

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000933.D
 Acq On : 16 Apr 2018 21:22
 Operator : JC/MD
 Sample : VX0416WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/18/2018 2:45:08 PM

Quant Time: Apr 17 06:59:04 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	233273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	320999	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	304327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	207415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	142279	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
35) Dibromofluoromethane	5.51	113	116992	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
50) Toluene-d8	8.72	98	434503	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
62) 4-Bromofluorobenzene	11.15	95	175781	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52576	19.97	ug/l	99
3) Chloromethane	1.32	50	49290	21.83	ug/l	99
4) Vinyl Chloride	1.40	62	54305	21.38	ug/l	97
5) Bromomethane	1.65	94	34874	32.70	ug/l	99
6) Chloroethane	1.73	64	32988	21.43	ug/l	97
7) Trichlorofluoromethane	1.93	101	83374	21.76	ug/l	97
8) Diethyl Ether	2.19	74	31782	22.21	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48515	21.47	ug/l	99
10) Methyl Iodide	2.51	142	19554	17.52	ug/l	98
11) Tert butyl alcohol	3.07	59	49278	94.36	ug/l	99
12) 1,1-Dichloroethene	2.38	96	45856	21.42	ug/l	94
13) Acrolein	2.30	56	21690	85.53	ug/l	99
14) Allyl chloride	2.73	41	81804	20.66	ug/l	100
15) Acrylonitrile	3.15	53	126043	113.21	ug/l	99
16) Acetone	2.45	43	106431	104.93	ug/l	98
17) Carbon Disulfide	2.57	76	106028	16.35	ug/l	99
18) Methyl Acetate	2.78	43	65234	24.85	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	161055	22.58	ug/l	98
20) Methylene Chloride	2.86	84	51110	21.66	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	49244	20.86	ug/l	97
22) Diisopropyl ether	3.88	45	168952	23.22	ug/l	99
23) Vinyl Acetate	3.83	43	696351	109.01	ug/l	98
24) 1,1-Dichloroethane	3.70	63	92514	22.66	ug/l	99
25) 2-Butanone	4.71	43	177856	106.18	ug/l	98
26) 2,2-Dichloropropane	4.59	77	72264	17.83	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	58084	21.68	ug/l	99
28) Bromochloromethane	5.03	49	31593	19.22	ug/l	96
29) Tetrahydrofuran	5.18	42	114106	107.29	ug/l	99
30) Chloroform	5.23	83	97593	22.58	ug/l	100
31) Cyclohexane	5.59	56	79576	20.52	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	85932	20.87	ug/l	99
36) 1,1-Dichloropropene	5.81	75	70872	20.05	ug/l	99
37) Ethyl Acetate	4.87	43	70777	20.51	ug/l	99
38) Carbon Tetrachloride	5.79	117	73859	18.67	ug/l	97

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 Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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Quant Time: Apr 17 06:59:04 2018
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 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	79771	18.79	ug/l	98
40) Benzene	6.15	78	209964	21.38	ug/l	100
41) Methacrylonitrile	5.07	41	42328	21.23	ug/l	99
42) 1,2-Dichloroethane	6.21	62	81334	22.17	ug/l	99
43) Isopropyl Acetate	6.48	43	120441	20.36	ug/l	100
44) Trichloroethene	7.22	130	62776	20.55	ug/l	99
45) 1,2-Dichloropropane	7.52	63	52554	21.01	ug/l	96
46) Dibromomethane	7.67	93	36759	21.08	ug/l	99
47) Bromodichloromethane	7.91	83	69159	19.65	ug/l	99
48) Methyl methacrylate	7.79	41	62799	20.48	ug/l	99
49) 1,4-Dioxane	7.76	88	21462	348.21	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	373126	107.35	ug/l	99
52) Toluene	8.79	92	137408	21.09	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	81756	19.37	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	76045	18.50	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	55486	21.45	ug/l	99
56) Ethyl methacrylate	9.19	69	82341	20.63	ug/l	100
57) 1,3-Dichloropropane	9.38	76	91957	22.36	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	197425	105.88	ug/l	98
59) 2-Hexanone	9.51	43	275127	102.54	ug/l	99
60) Dibromochloromethane	9.59	129	58053	18.75	ug/l	99
61) 1,2-Dibromoethane	9.68	107	58317	21.25	ug/l	99
64) Tetrachloroethene	9.34	164	65440	21.99	ug/l	98
65) Chlorobenzene	10.15	112	164484	21.49	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	57342	19.90	ug/l	100
67) Ethyl Benzene	10.26	91	267644	20.97	ug/l	99
68) m/p-Xylenes	10.37	106	211941	42.07	ug/l	99
69) o-Xylene	10.71	106	103483	21.31	ug/l	99
70) Styrene	10.72	104	173304	21.17	ug/l	100
71) Bromoform	10.87	173	45137	16.92	ug/l	100
73) Isopropylbenzene	11.02	105	279218	21.22	ug/l	100
74) N-amyl acetate	6.48	43	120441	20.33	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	81462	21.33	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	73564m	20.57	ug/l	
77) Bromobenzene	11.26	156	82078	21.28	ug/l	100
78) n-propylbenzene	11.37	91	316799	21.05	ug/l	99
79) 2-Chlorotoluene	11.43	91	188367	21.18	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	236179	20.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	19530	15.02	ug/l	86
82) 4-Chlorotoluene	11.52	91	226986	21.14	ug/l	100
83) tert-Butylbenzene	11.77	119	239764	20.71	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	243151	20.81	ug/l	99
85) sec-Butylbenzene	11.95	105	281358	20.60	ug/l	99
86) p-Isopropyltoluene	12.07	119	259378	20.37	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	151178	21.18	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	153170	20.94	ug/l	99
89) n-Butylbenzene	12.40	91	219870	19.56	ug/l	99
90) Hexachloroethane	12.60	117	35526	16.48	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	147032	21.34	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16536	17.28	ug/l	94

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0416WBSD01

Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	13.65	180	116943	19.89	ug/l	98
94) Hexachlorobutadiene	13.79	225	48059	16.62	ug/l	99
95) Naphthalene	13.84	128	311047	20.61	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	117364	20.55	ug/l	98

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

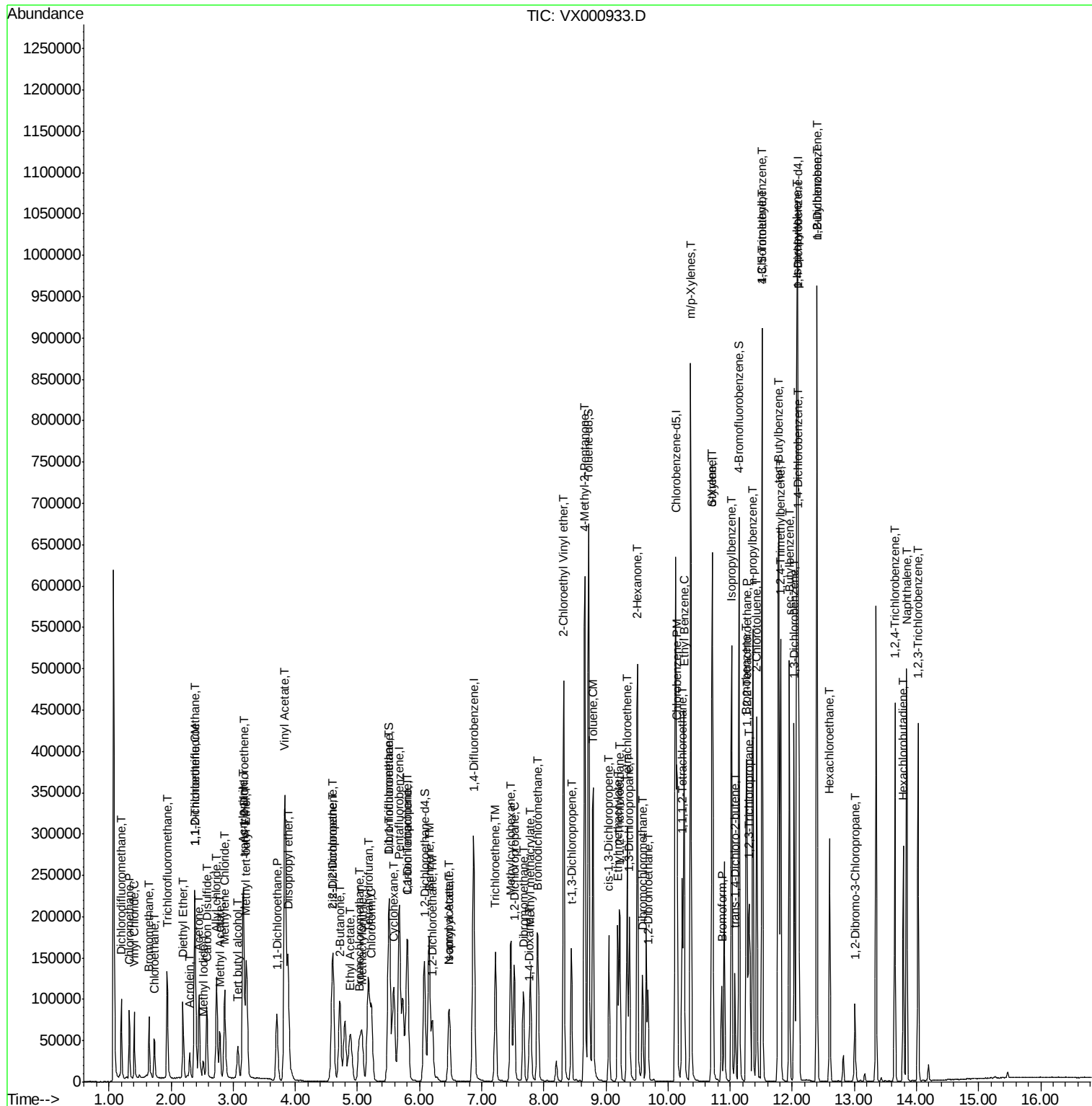
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
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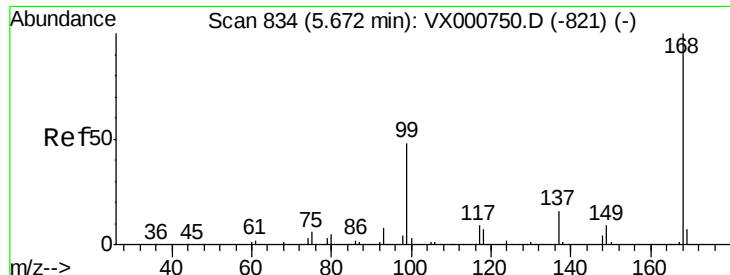
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416WBSD01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBSD01

Tot Ion:168 Resp: 233273

Ion Ratio Lower Upper

168 100

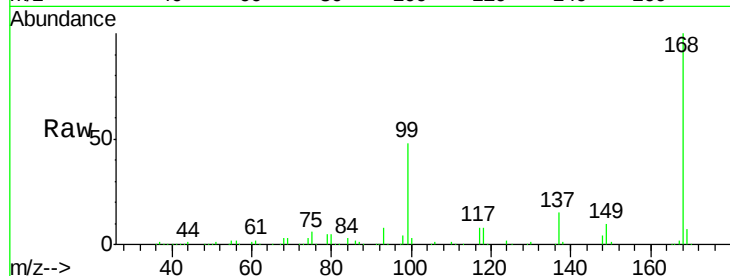
99 47.7 38.3 57.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

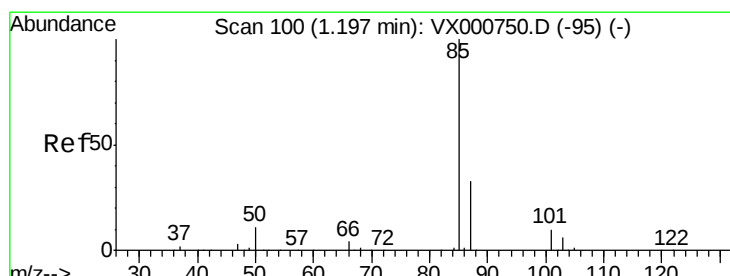
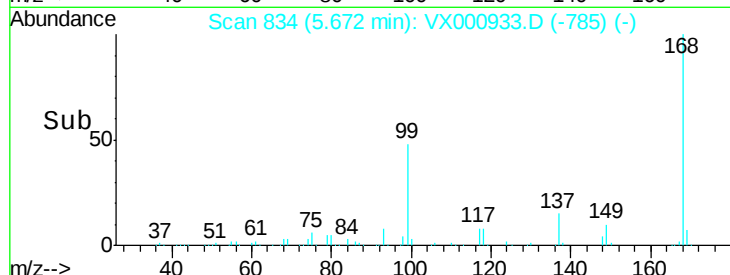
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.97 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000933.D

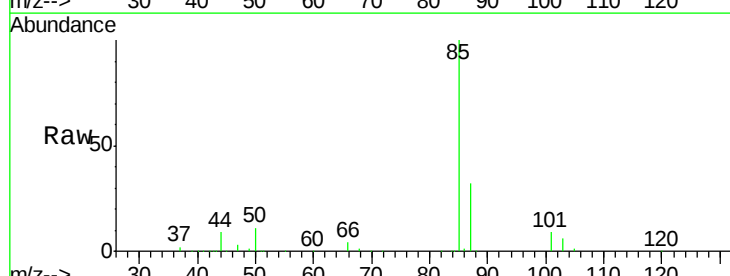
Acq: 16 Apr 2018 21:22

Tgt Ion: 85 Resp: 52576

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

50000

40000

30000

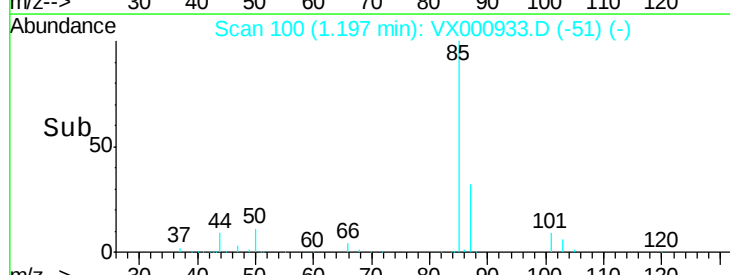
20000

10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 21.83 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBSD01

Tot Ion: 50 Resp: 49290

Ion Ratio Lower Upper

50 100

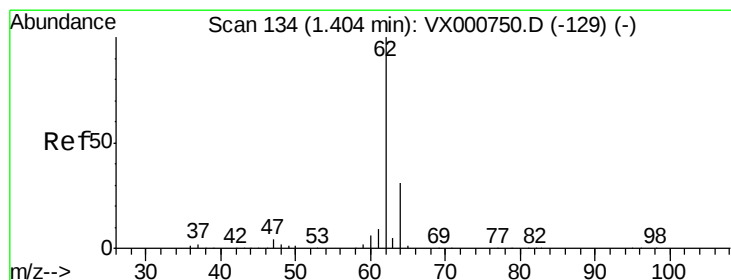
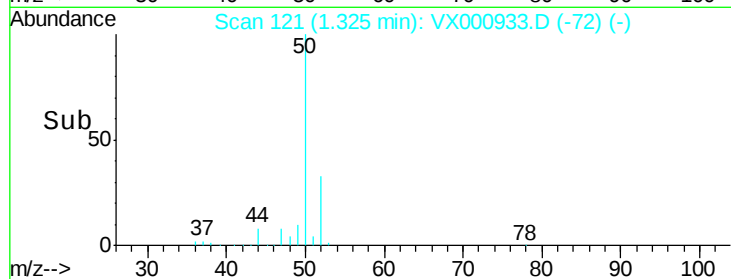
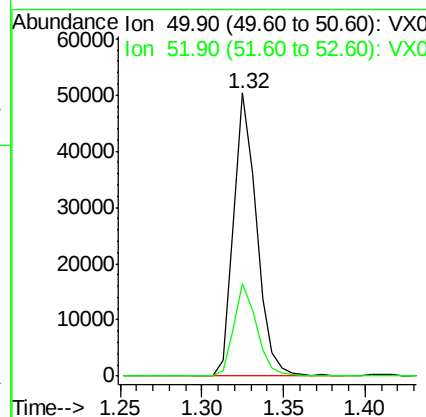
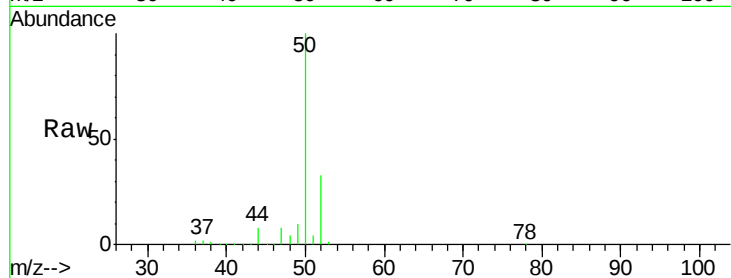
52 32.8 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.38 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000933.D

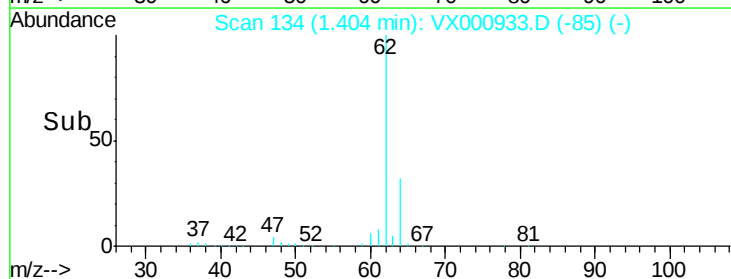
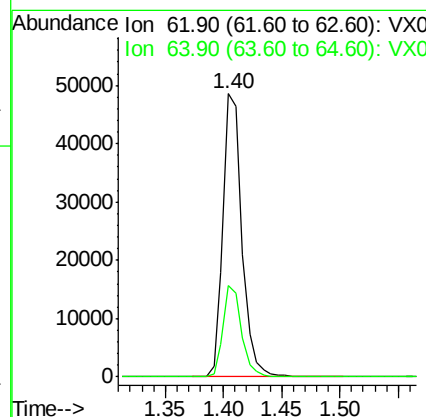
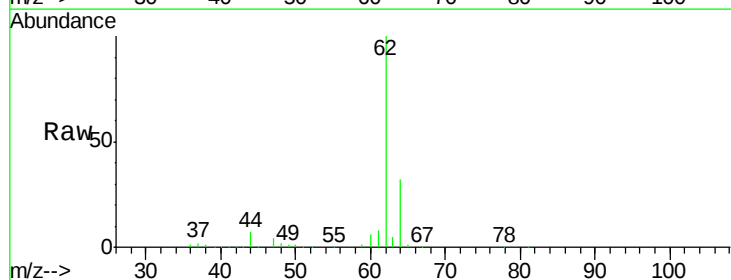
Acq: 16 Apr 2018 21:22

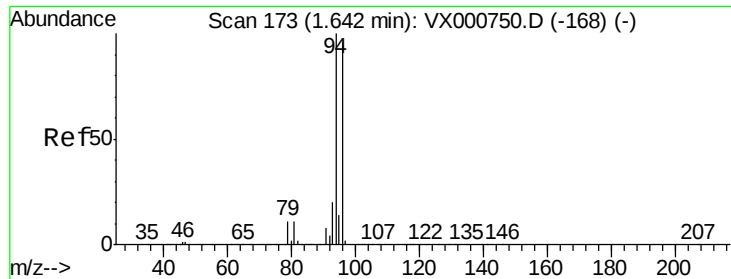
Tgt Ion: 62 Resp: 54305

Ion Ratio Lower Upper

62 100

64 32.3 24.6 36.8





#5

Bromomethane

Concen: 32.70 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBSD01

Tot Ion: 94 Resp: 34874

Ion Ratio Lower Upper

94 100

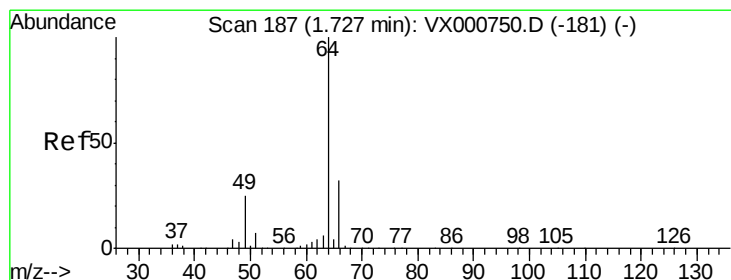
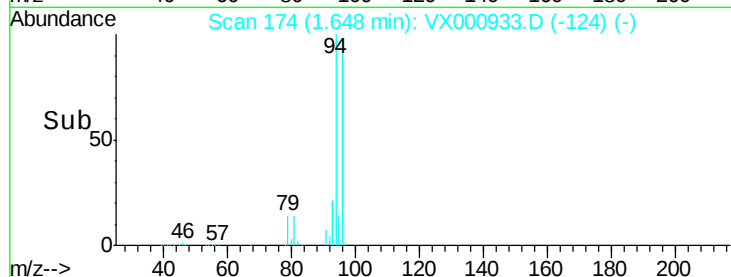
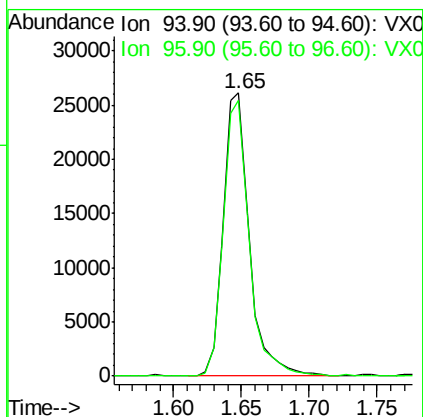
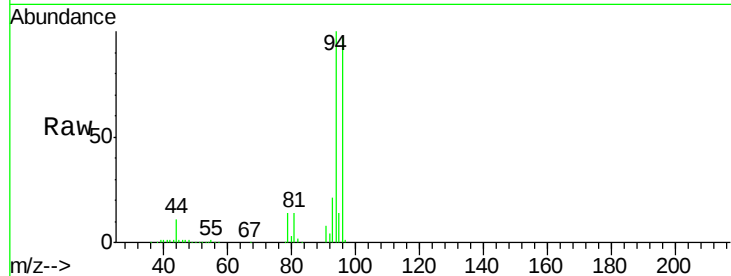
96 97.5 77.0 115.6

Manual Integrations

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#6

Chloroethane

Concen: 21.43 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX000933.D

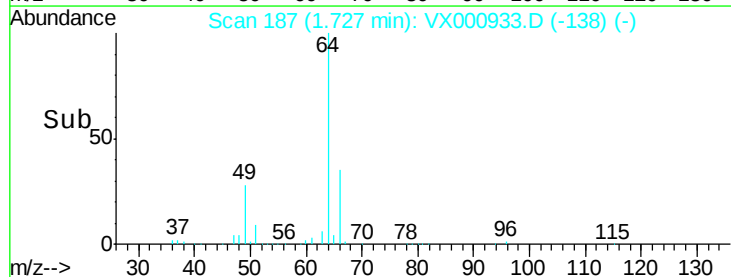
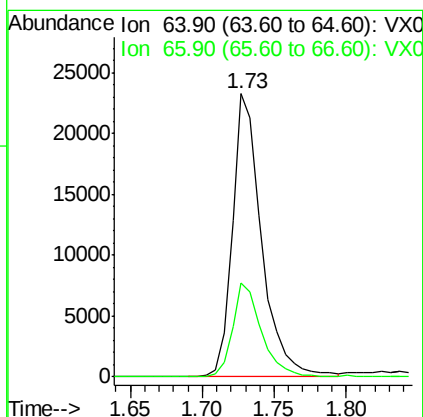
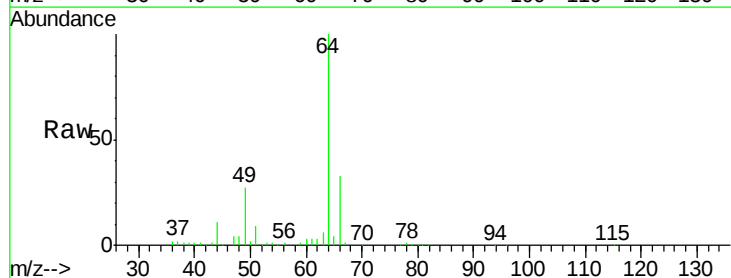
Acq: 16 Apr 2018 21:22

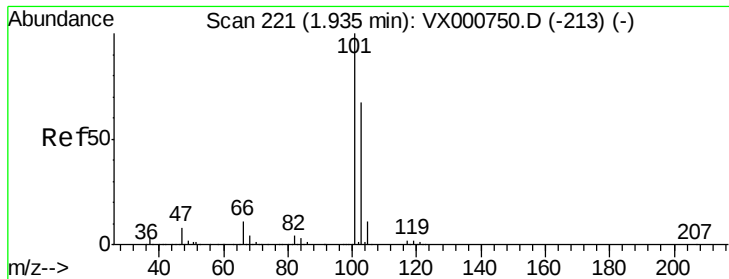
Tgt Ion: 64 Resp: 32988

Ion Ratio Lower Upper

64 100

66 33.2 25.3 37.9





#7

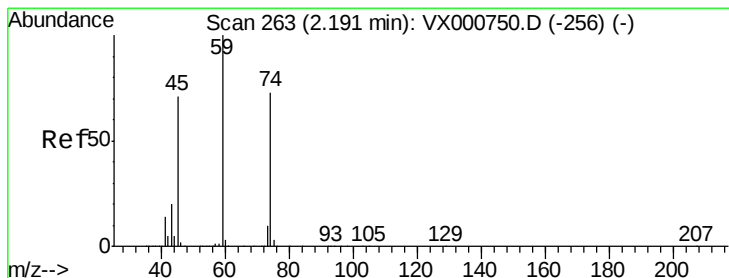
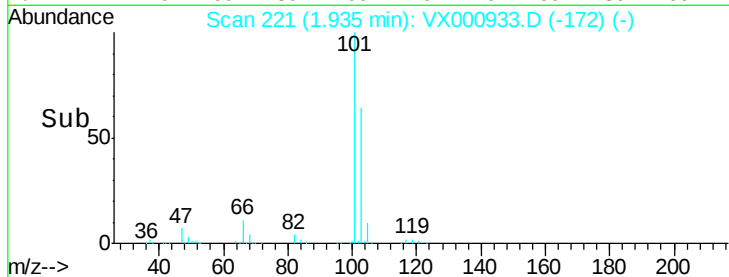
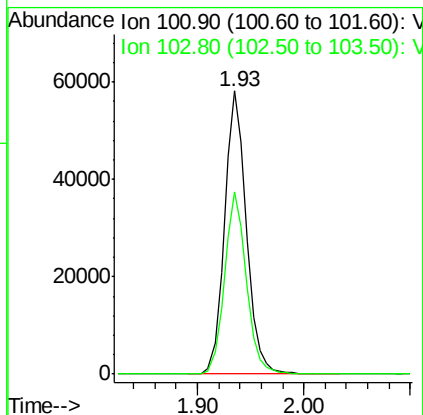
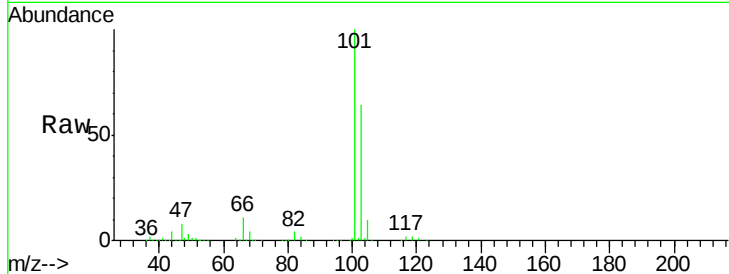
Trichlorofluoromethane
 Concen: 21.76 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Instrument :
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 ClientSampleId :
 VX0416WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		83374		
103	64.4	53.2	79.8		

Manual Integrations
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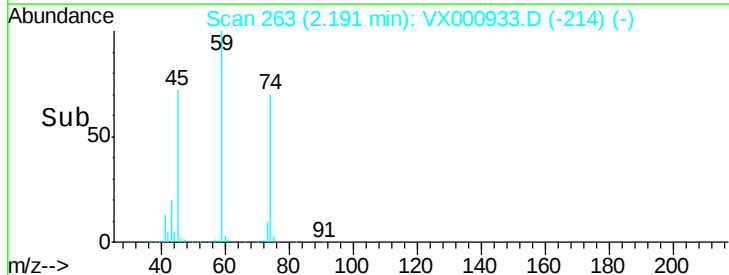
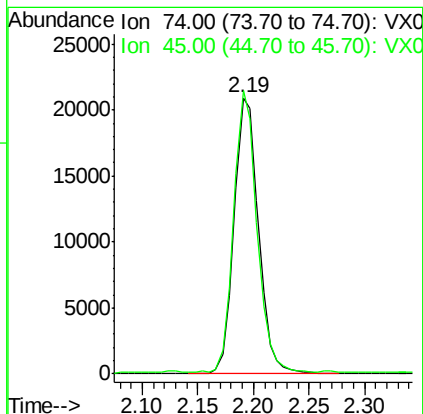
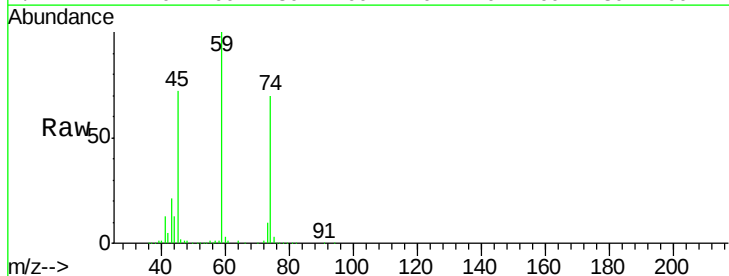
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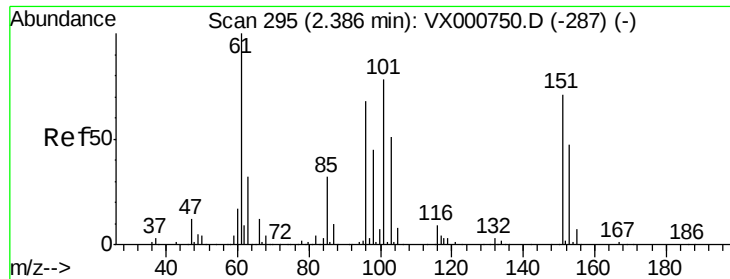


#8

Diethyl Ether
 Concen: 22.21 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		31782		
45	96.9	48.6	145.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.47 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

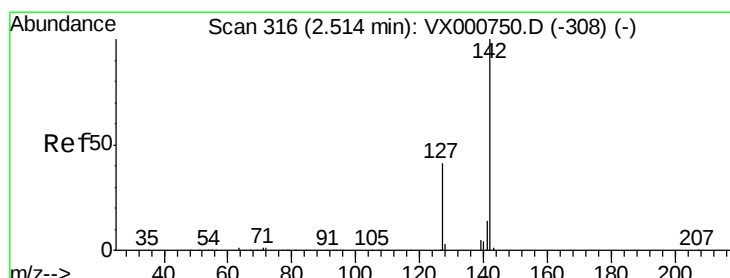
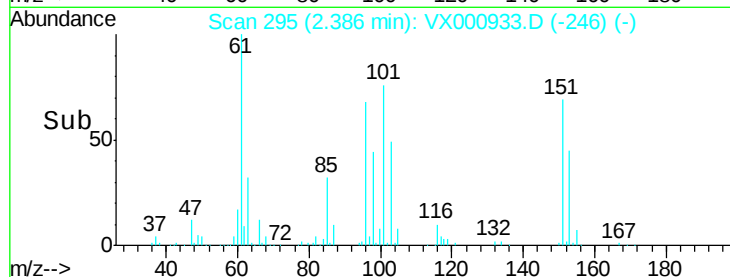
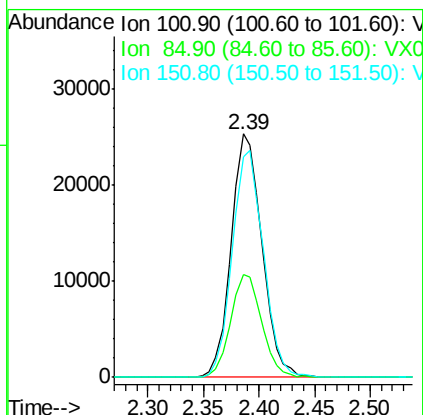
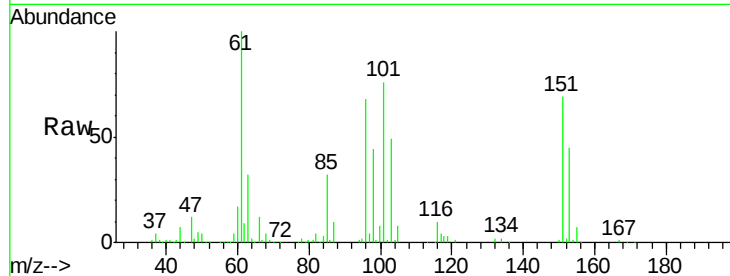
ClientSampleId :

VX0416WBSD01

Tot Ion:	101	Resp:	48515
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.0	51.0
151	94.0	75.8	113.8

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:45:08 PM



#10

Methyl Iodide

Concen: 17.52 ug/l

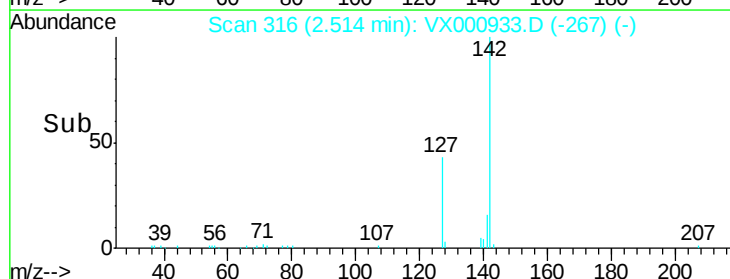
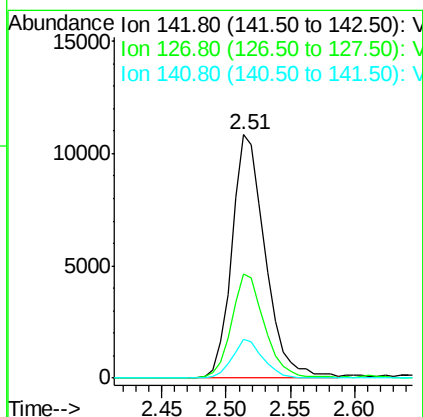
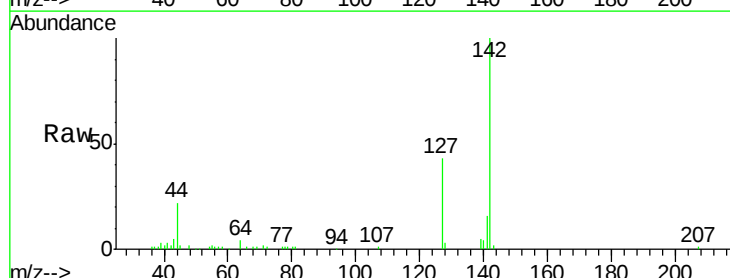
RT: 2.51 min Scan# 316

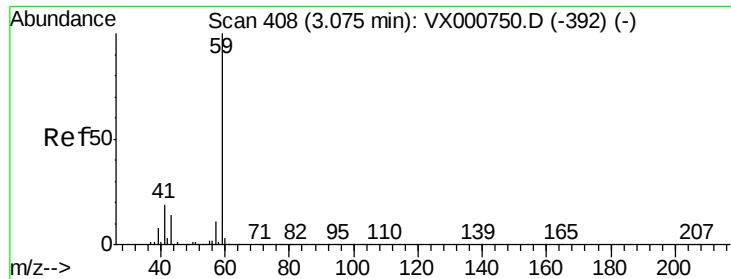
Delta R.T. 0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Tgt Ion:	142	Resp:	19554
Ion Ratio	Lower	Upper	
142	100		
127	42.6	32.6	49.0
141	14.6	11.5	17.3





#11

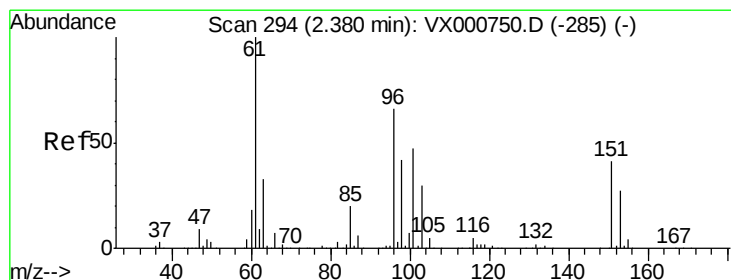
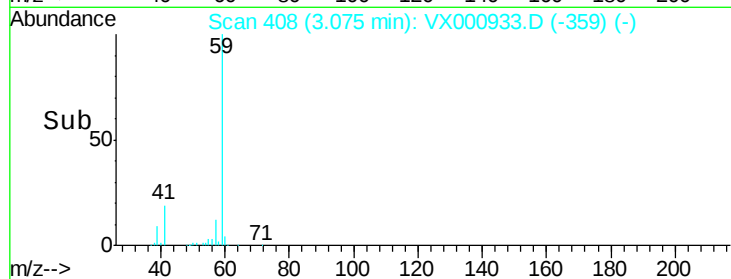
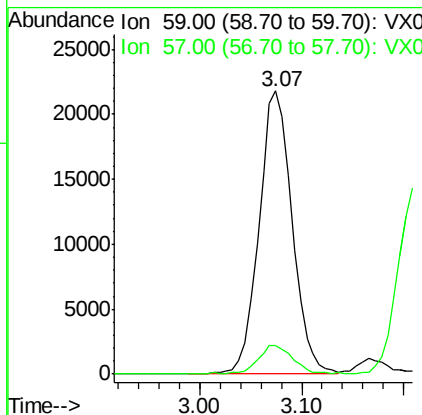
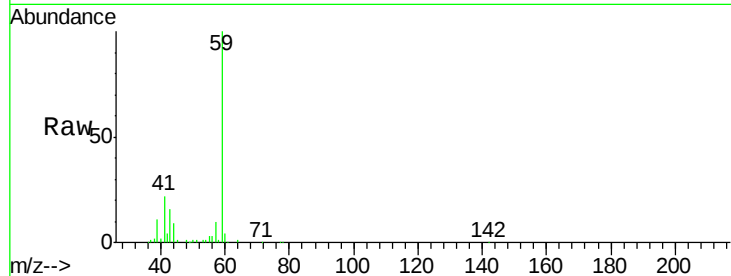
Tert butyl alcohol
 Concen: 94.36 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.00 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0416WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.4	12.6

Manual Integrations
 APPROVED

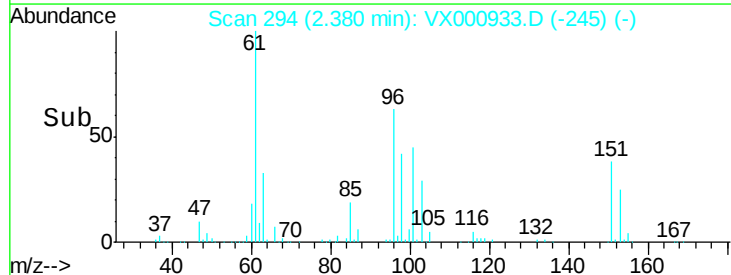
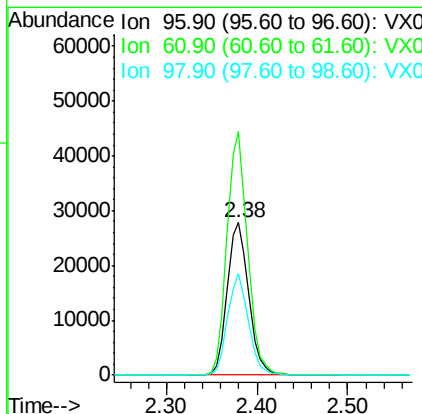
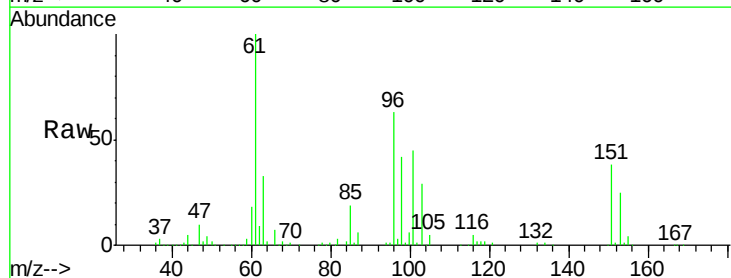
MMDadoda
 4/18/2018 2:45:08 PM

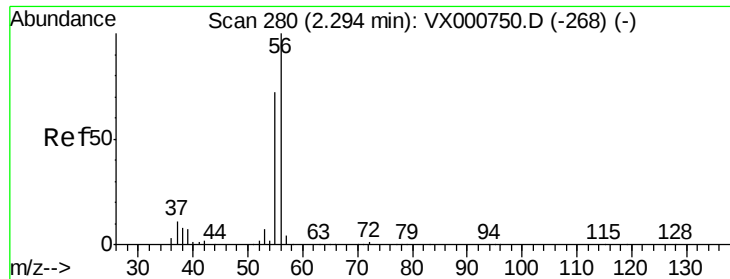


#12

1,1-Dichloroethene
 Concen: 21.42 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. -0.00 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.7	120.5	180.7
98	66.4	50.9	76.3





#13

Acrolein

Concen: 85.53 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBSD01

Tot Ion: 56 Resp: 21690

Ion Ratio Lower Upper

56 100

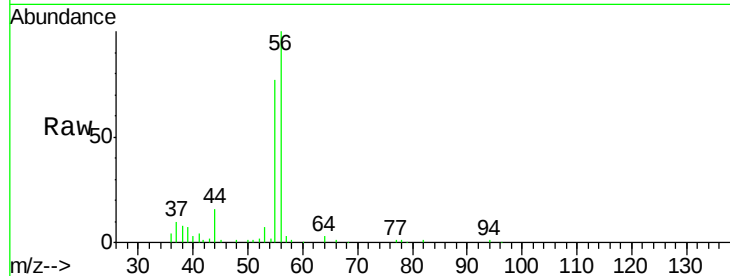
55 74.0 58.7 88.1

Manual Integrations

APPROVED

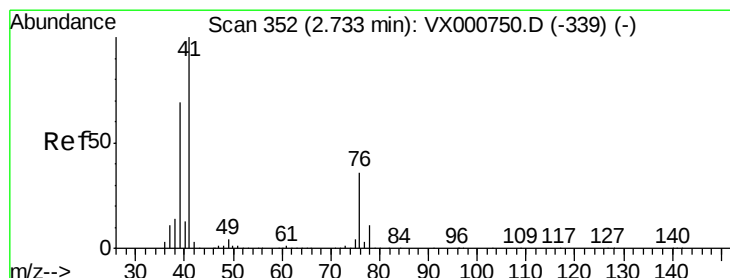
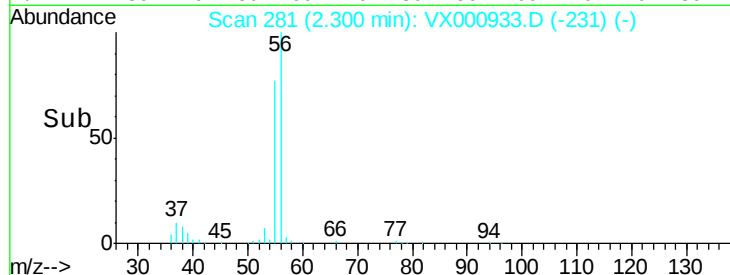
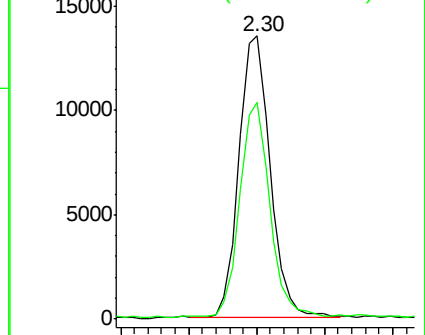
MMDadoda

4/18/2018 2:45:08 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.66 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

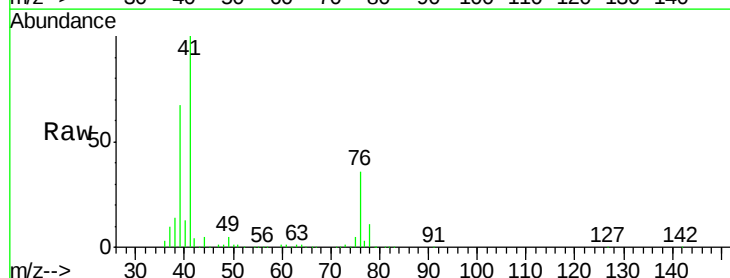
Tgt Ion: 41 Resp: 81804

Ion Ratio Lower Upper

41 100

39 64.4 51.5 77.3

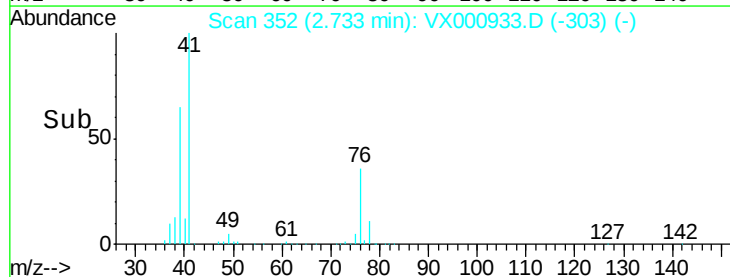
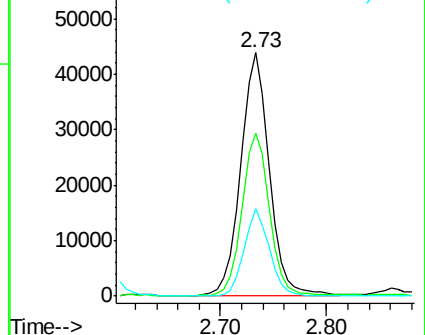
76 32.6 26.5 39.7



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





#15

Acrylonitrile

Concen: 113.21 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

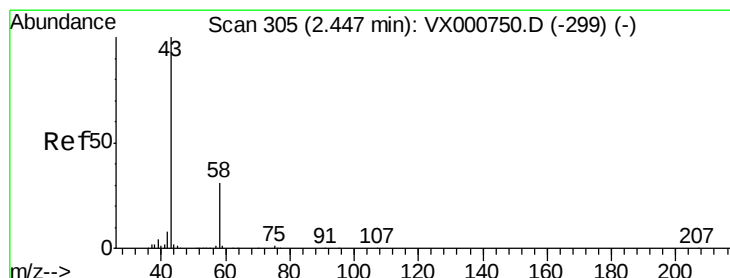
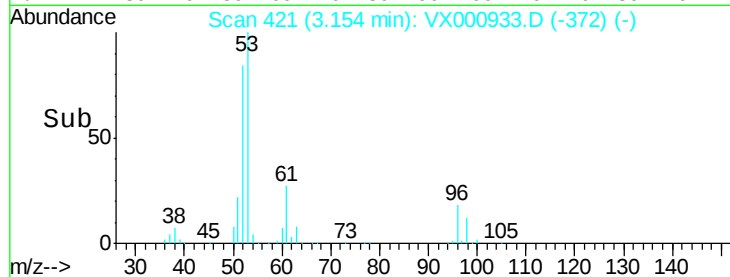
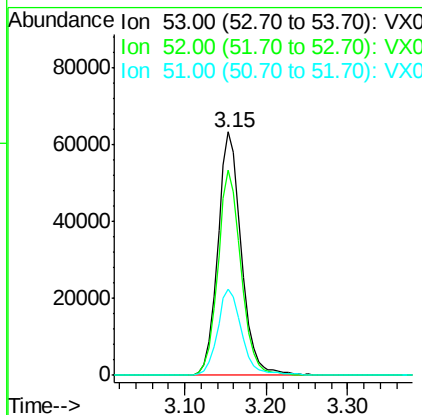
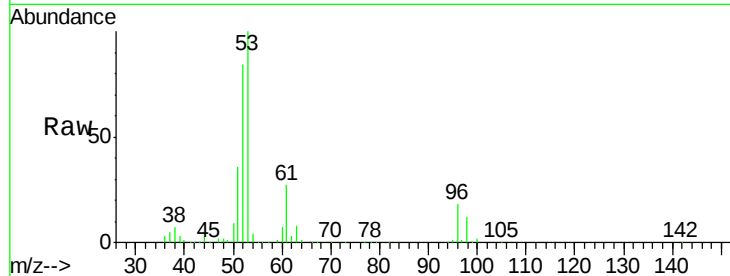
ClientSampleId :

VX0416WBSD01

Tot Ion:	53	Resp:	126043
Ion Ratio		Lower	Upper
53	100		
52	83.7	66.5	99.7
51	36.8	28.8	43.2

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:45:08 PM



#16

Acetone

Concen: 104.93 ug/l

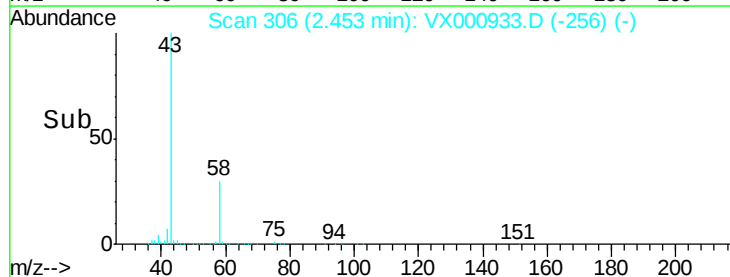
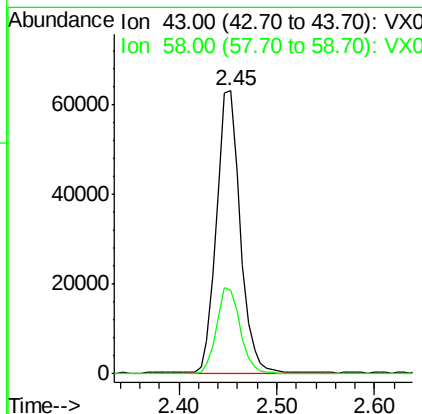
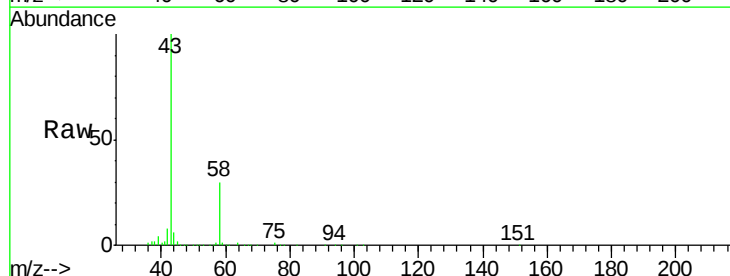
RT: 2.45 min Scan# 306

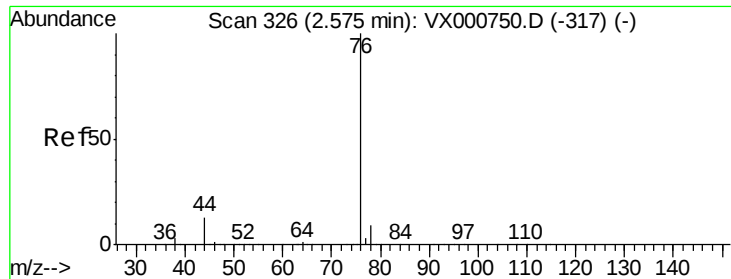
Delta R.T. 0.01 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Tgt Ion:	43	Resp:	106431
Ion Ratio		Lower	Upper
43	100		
58	29.8	24.6	37.0





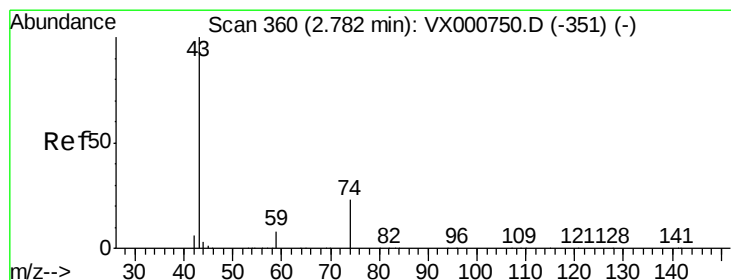
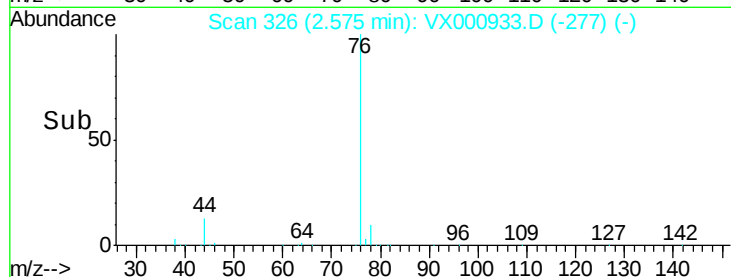
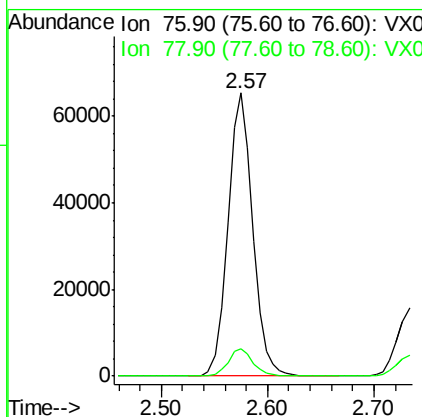
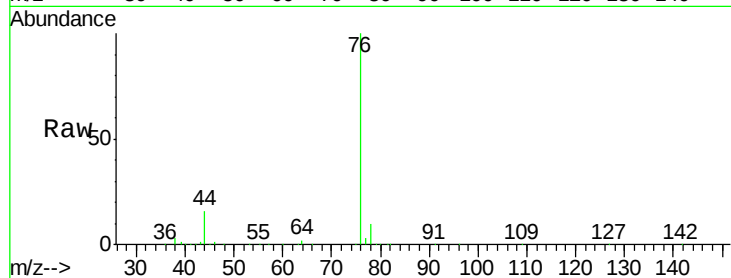
#17
Carbon Disulfide
Concen: 16.35 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Instrument :
MSVOA_X
ClientSampleId :
VX0416WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.2

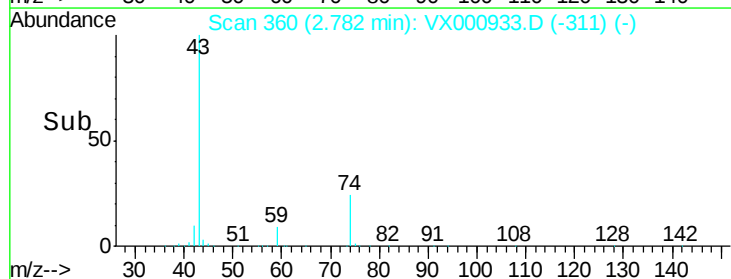
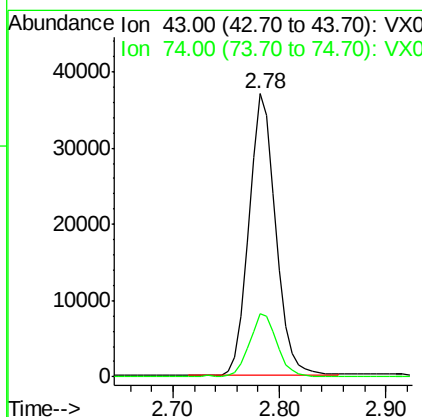
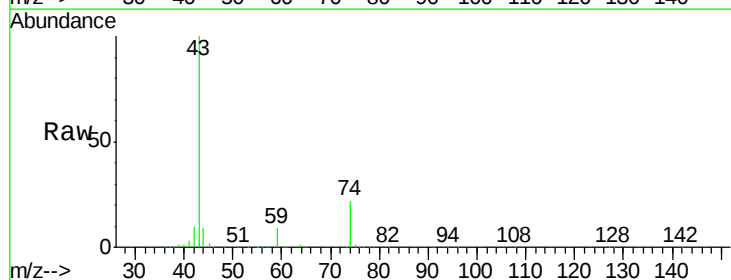
Manual Integrations
APPROVED

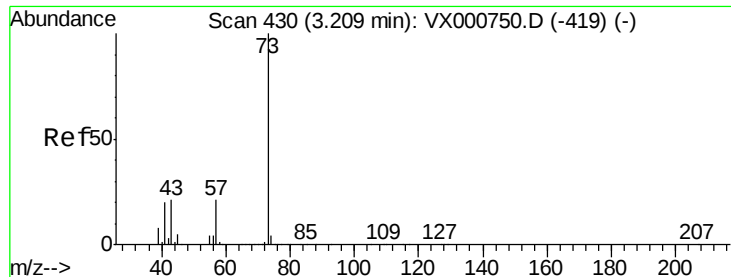
MMDadoda
4/18/2018 2:45:08 PM



#18
Methyl Acetate
Concen: 24.85 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.1	28.7





#19

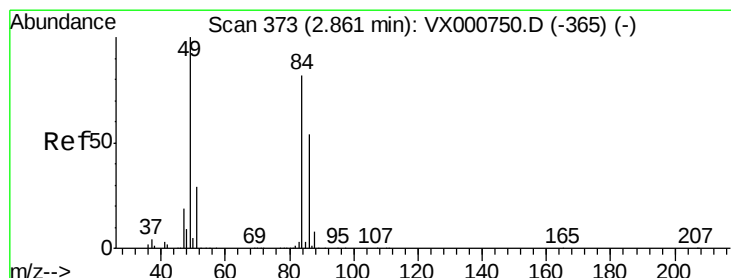
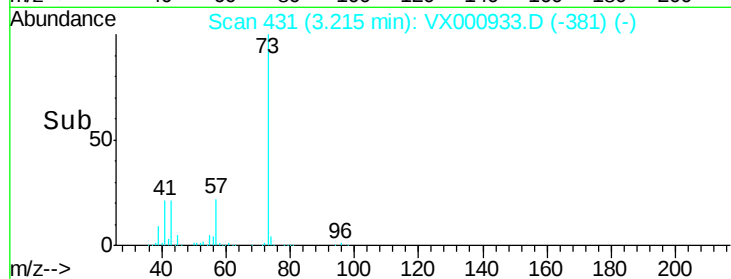
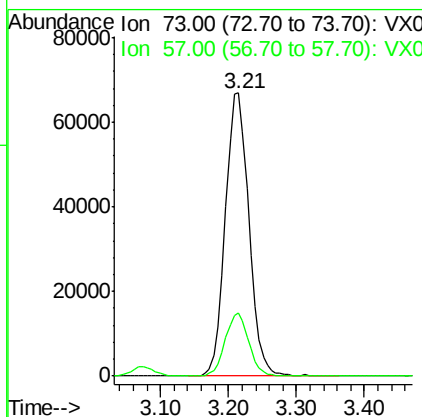
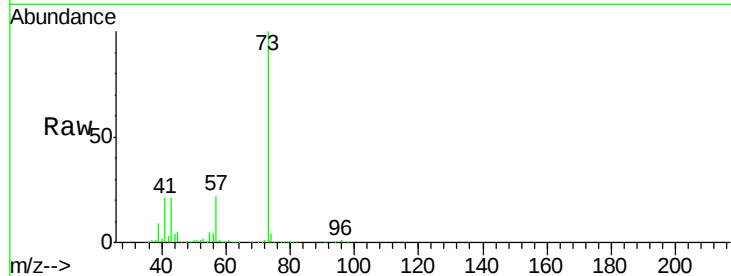
Methyl tert-butyl Ether
 Concen: 22.58 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. 0.01 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
73	73	100	161055		
57	57	22.1		16.9	25.3

Manual Integrations
 APPROVED

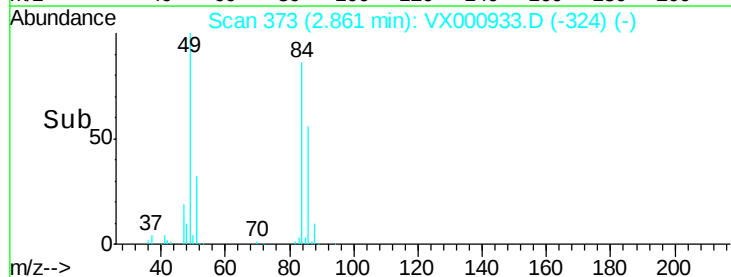
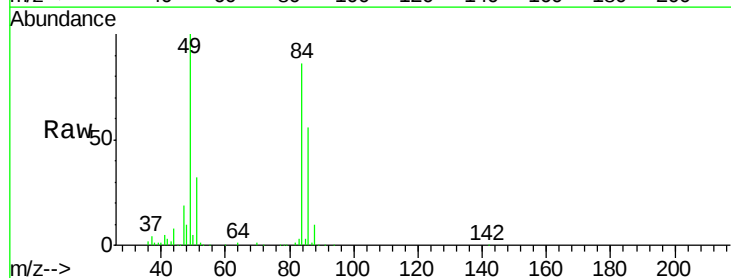
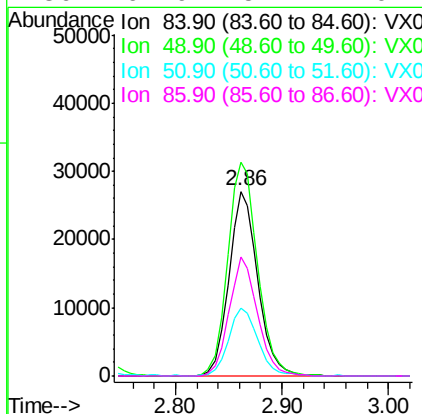
MMDadoda
 4/18/2018 2:45:08 PM

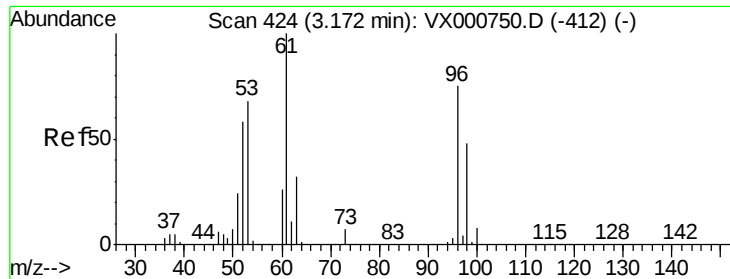


#20

Methylene Chloride
 Concen: 21.66 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
84	84	100	51110		
49	49	115.9		98.1	147.1
51	51	36.4		28.9	43.3
86	86	64.9		52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 20.86 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBSD01

Tot Ion: 96 Resp: 49244

Ion Ratio Lower Upper

96 100

61 136.4 106.2 159.2

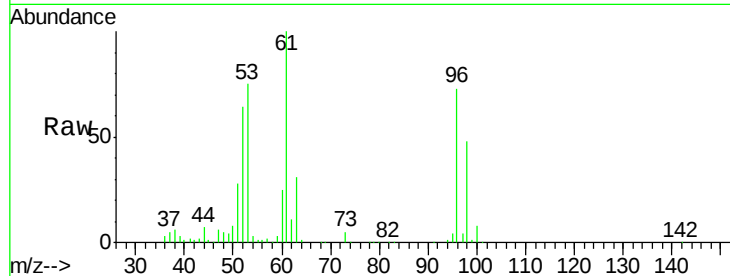
98 65.7 51.2 76.8

Manual Integrations

APPROVED

MMDadoda

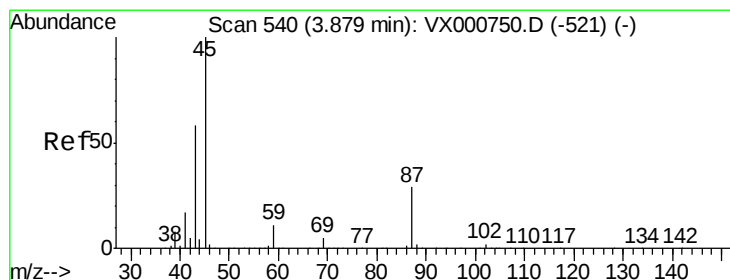
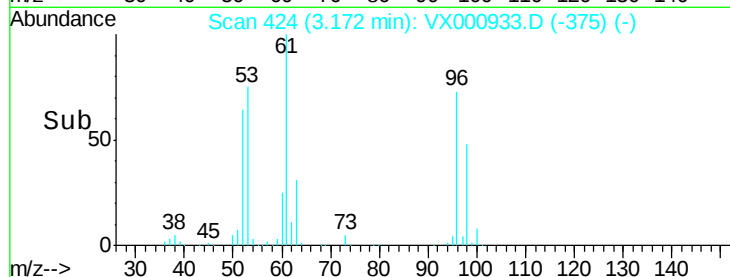
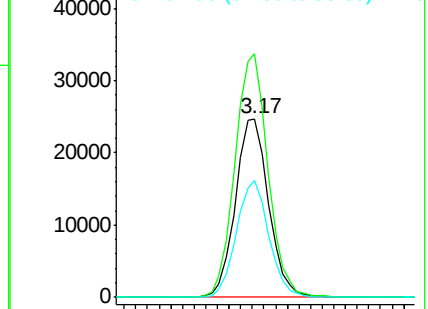
4/18/2018 2:45:08 PM



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: 23.22 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Tgt Ion: 45 Resp: 168952

Ion Ratio Lower Upper

45 100

43 59.4 46.6 69.8

87 27.7 22.9 34.3

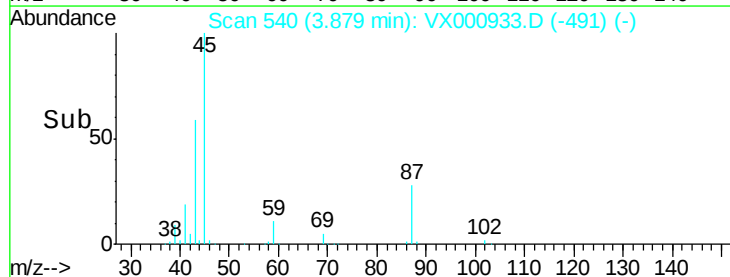
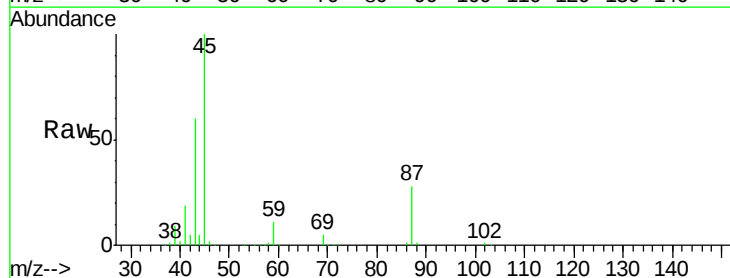
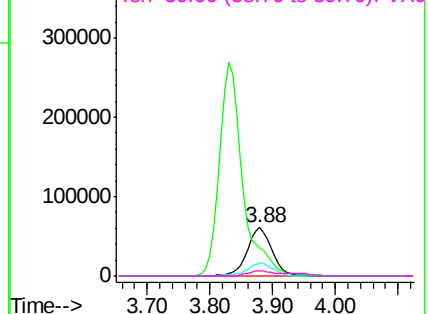
59 11.4 9.2 13.8

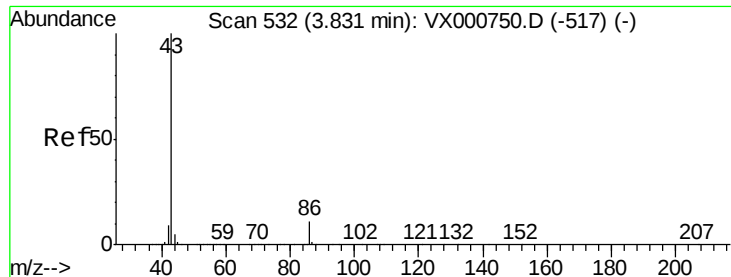
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 109.01 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBSD01

Tot Ion: 43 Resp: 696351

Ion Ratio Lower Upper

43 100

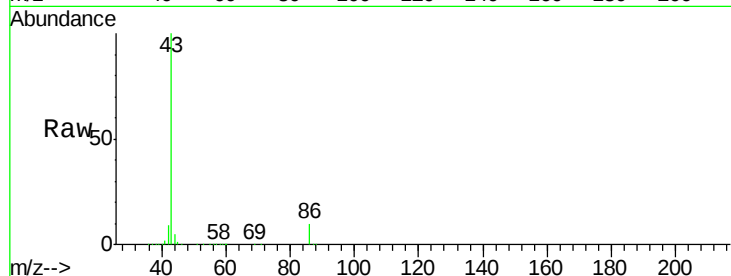
86 9.9 8.6 12.8

Manual Integrations

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MMDadoda

4/18/2018 2:45:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

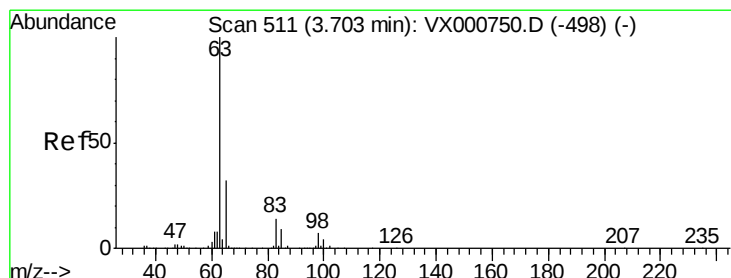
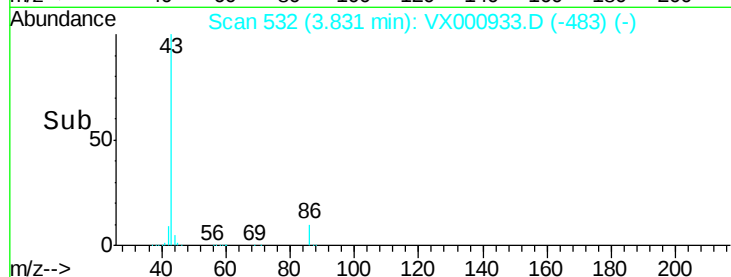
100000

50000

0

Time-->

3.70 3.80 3.90 4.00



#24

1,1-Dichloroethane

Concen: 22.66 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

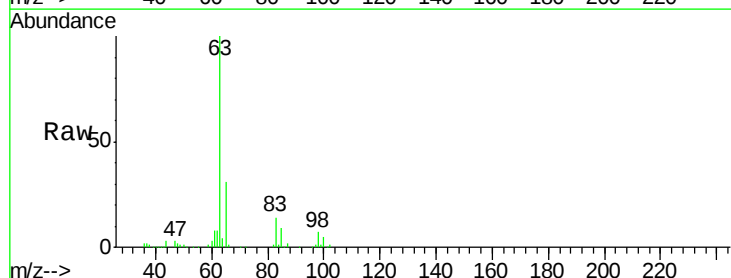
Tgt Ion: 63 Resp: 92514

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.7 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

30000

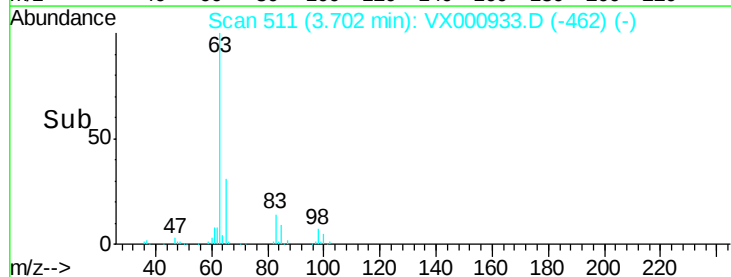
20000

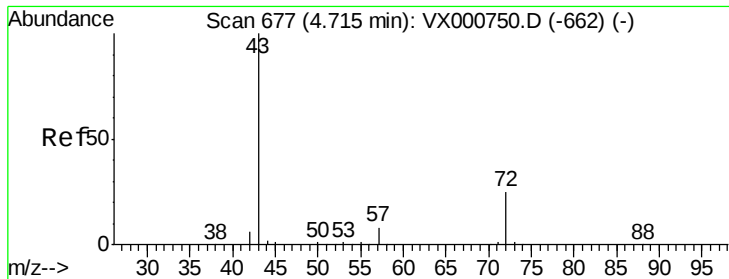
10000

0

Time-->

3.60 3.70 3.80





#25

2-Butanone

Concen: 106.18 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBSD01

Tot Ion: 43 Resp: 177856

Ion Ratio Lower Upper

43 100

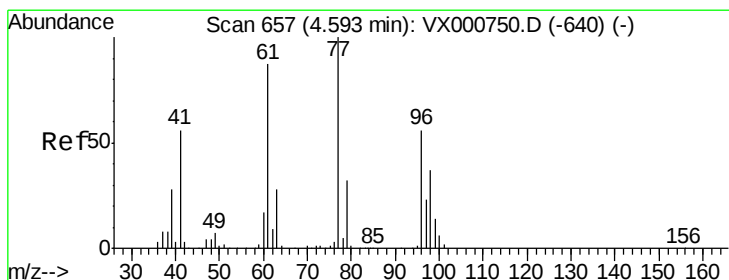
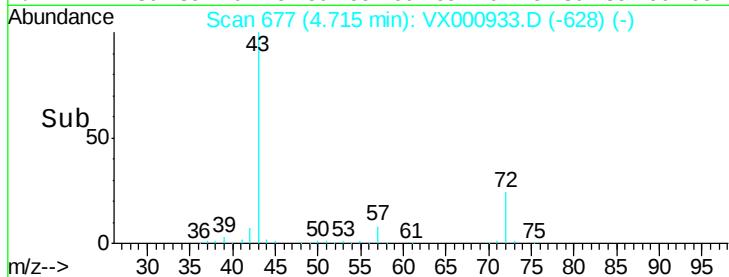
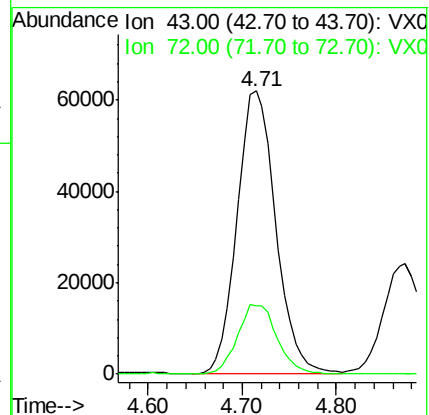
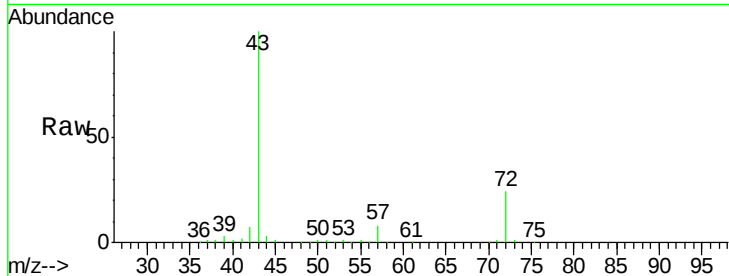
72 24.4 20.3 30.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.83 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000933.D

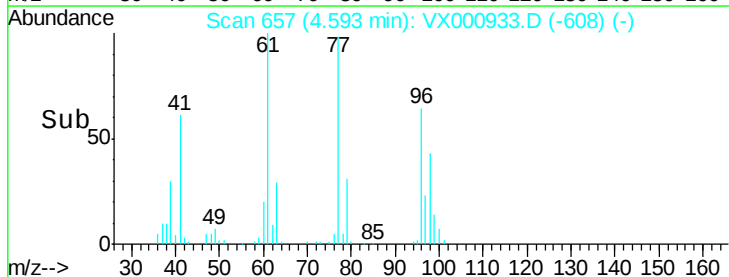
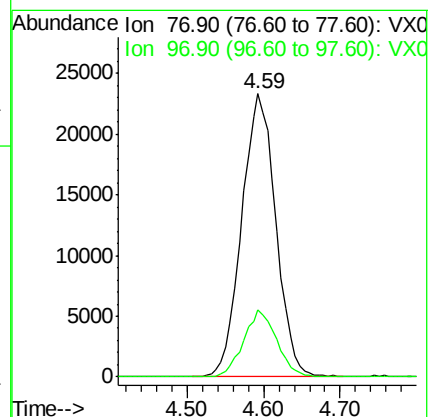
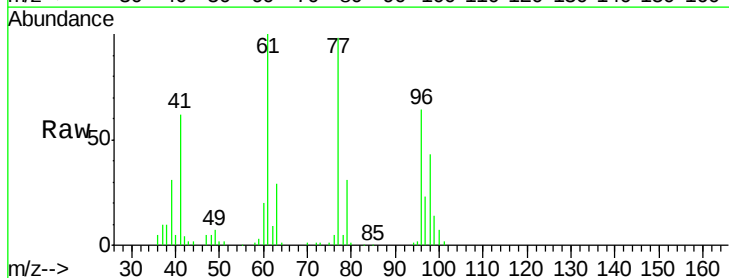
Acq: 16 Apr 2018 21:22

Tgt Ion: 77 Resp: 72264

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 21.68 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

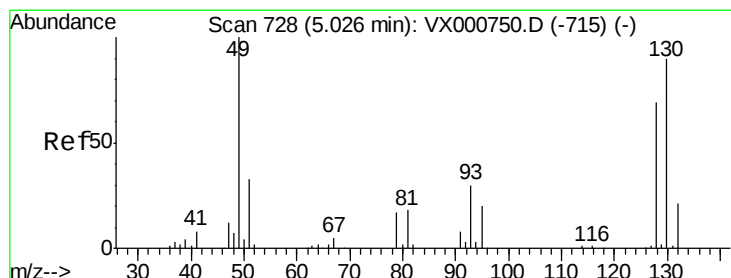
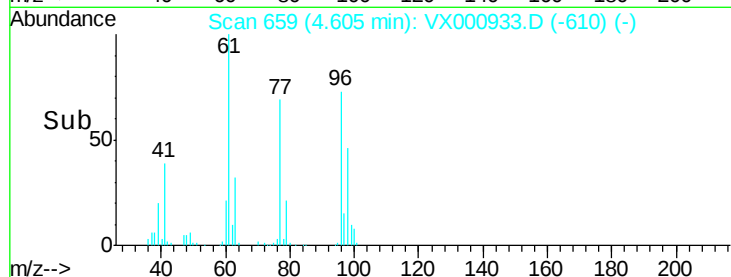
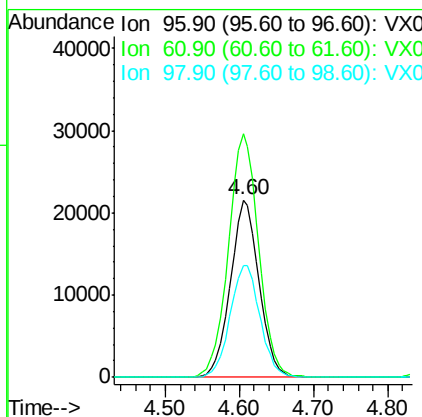
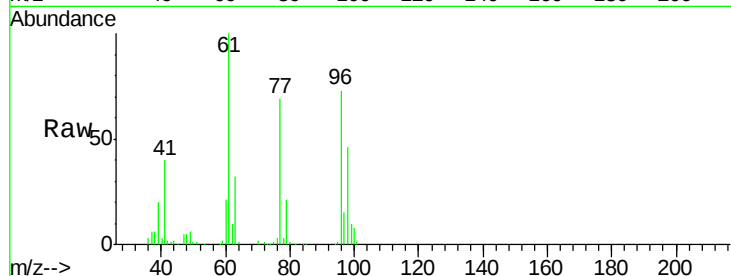
ClientSampleId :

VX0416WBSD01

Tot Ion:	96	Resp:	58084
Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	292.4
98	65.8	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 19.22 ug/l

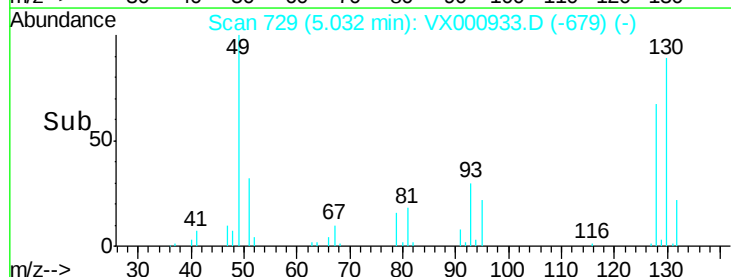
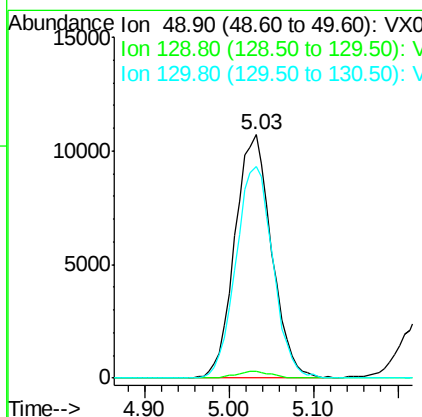
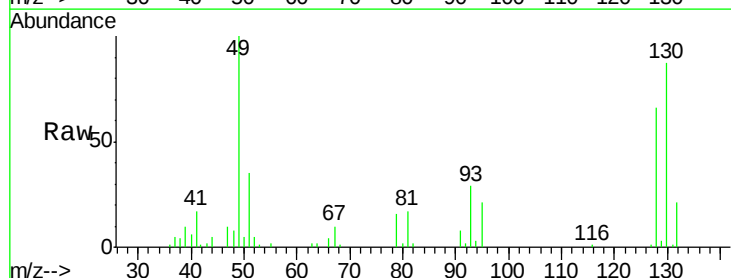
RT: 5.03 min Scan# 729

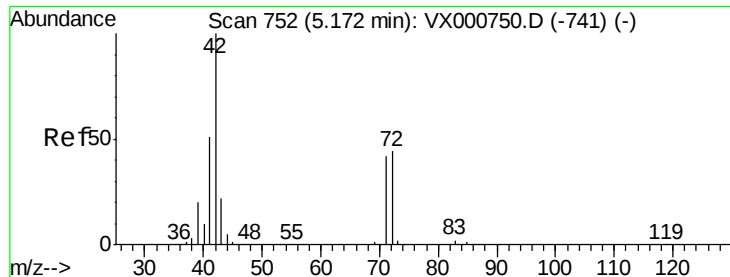
Delta R.T. 0.01 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Tgt Ion:	49	Resp:	31593
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.2
130	87.4	72.6	109.0





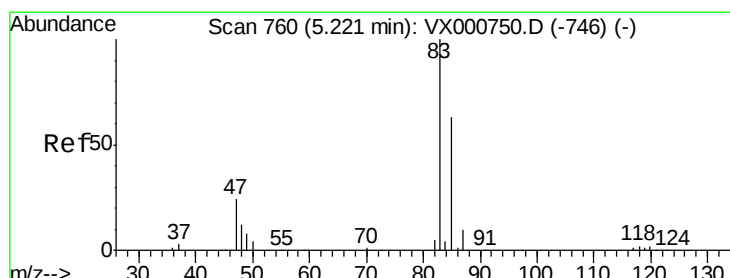
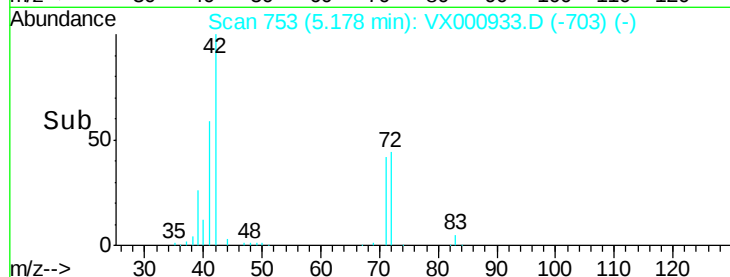
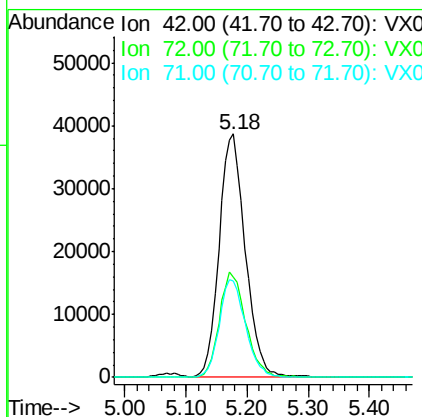
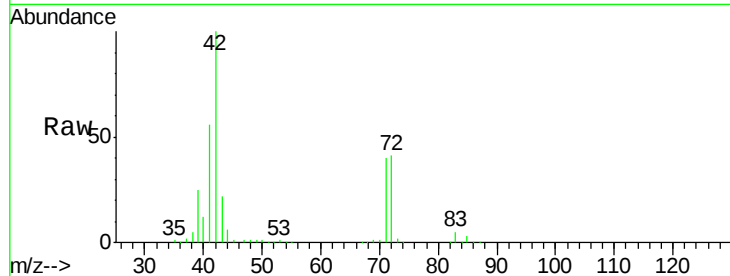
#29
Tetrahydrofuran
Concen: 107.29 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Instrument :
MSVOA_X
ClientSampleId :
VX0416WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.1	52.7
71	40.6	32.8	49.2

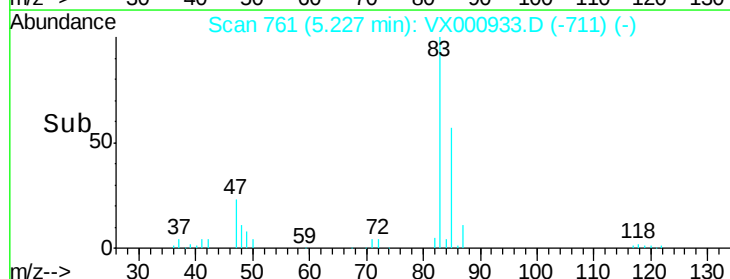
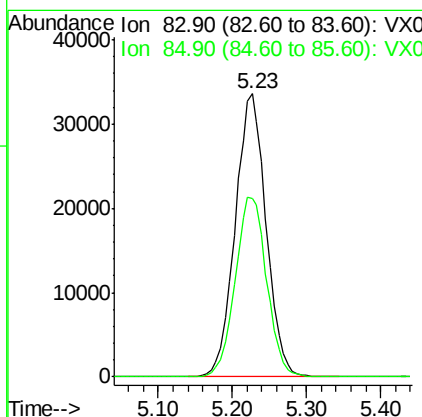
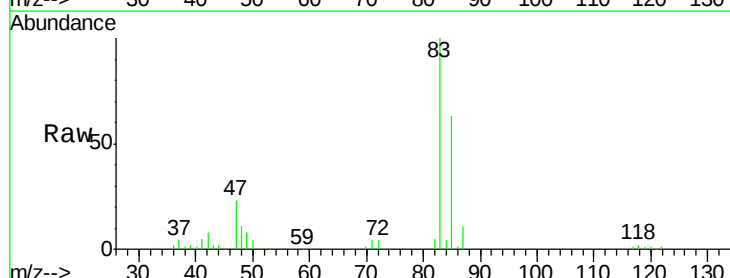
Manual Integrations
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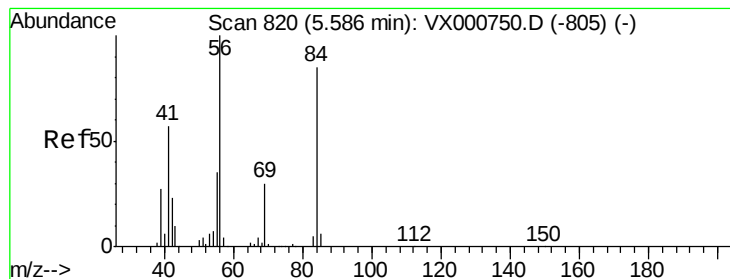
MMDadoda
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#30
Chloroform
Concen: 22.58 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.7	76.1





#31

Cyclohexane

Concen: 20.52 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

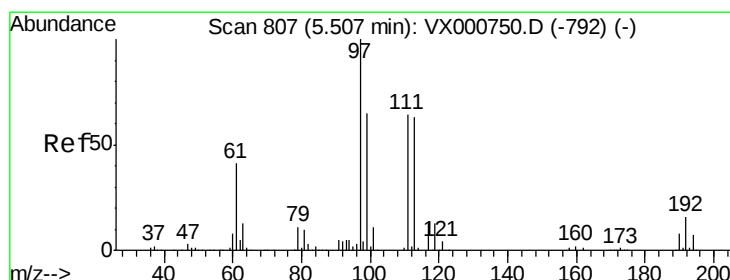
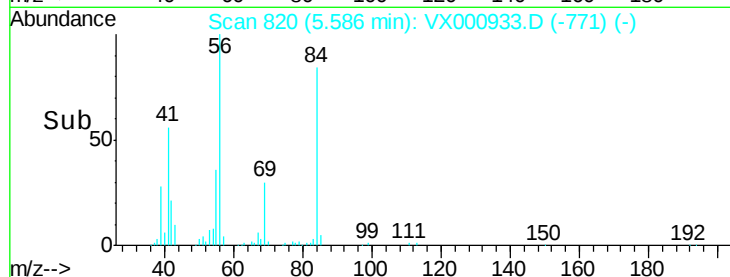
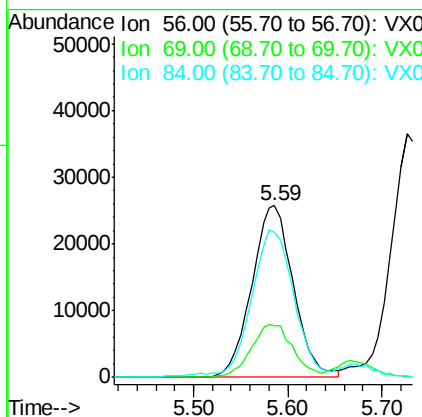
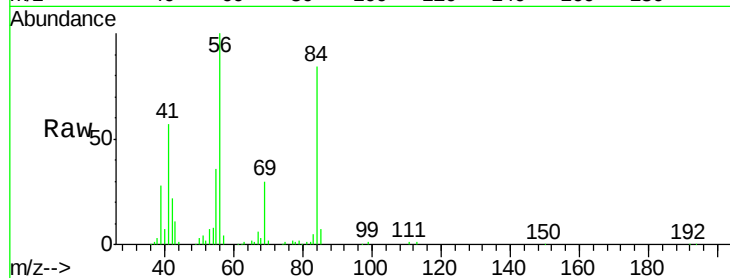
ClientSampleId :

VX0416WBSD01

Tot Ion:	56	Resp:	79576
Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.2	36.4
84	82.5	67.6	101.4

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#32

1,1,1-Trichloroethane

Concen: 20.87 ug/l

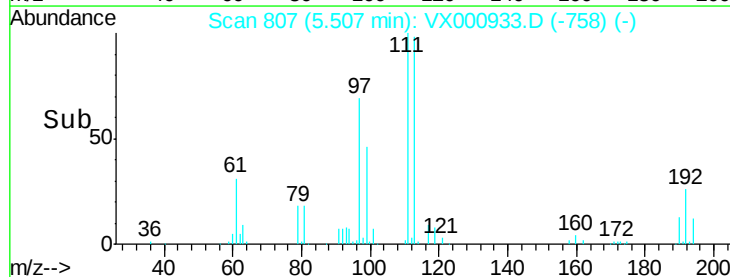
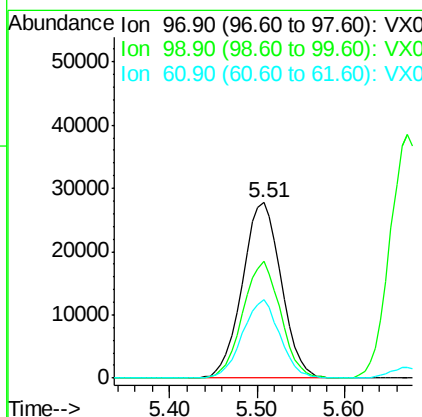
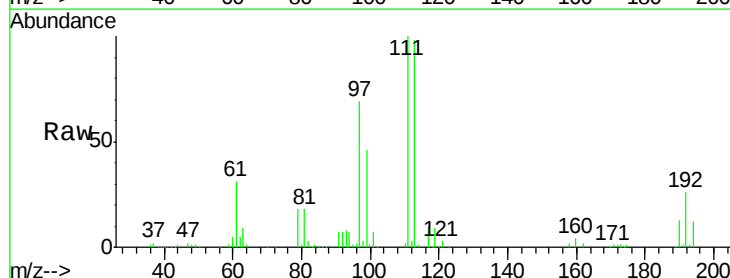
RT: 5.51 min Scan# 807

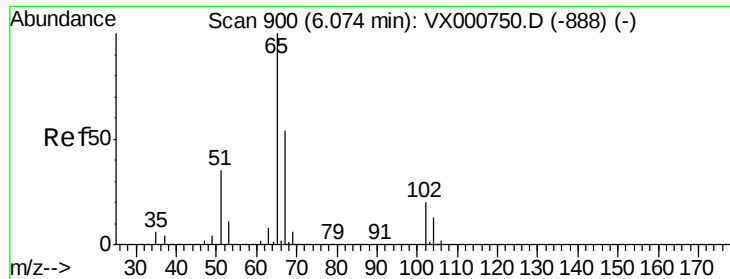
Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Tgt Ion:	97	Resp:	85932
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.0
61	42.9	33.7	50.5





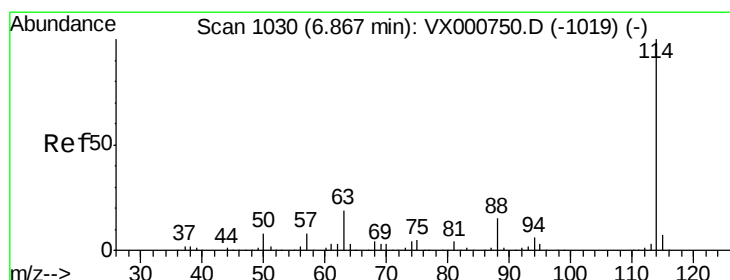
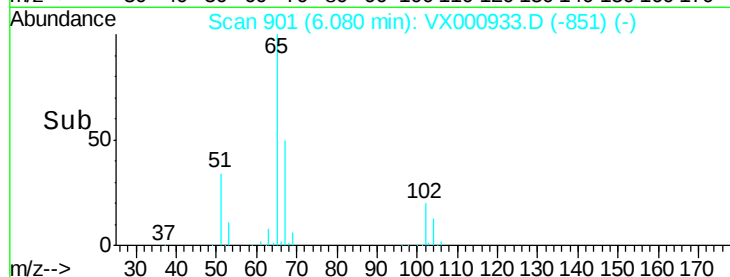
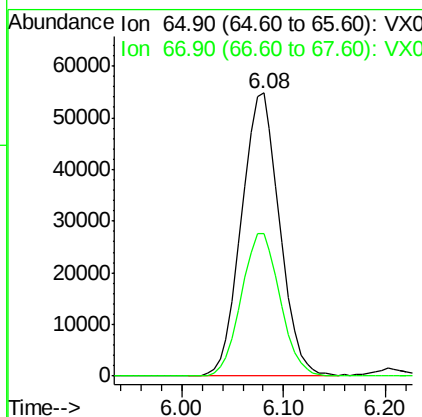
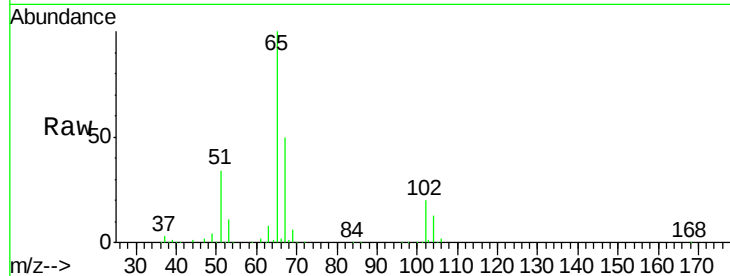
#33
 1,2-Dichloroethane-d4
 Concen: 48.37 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.8

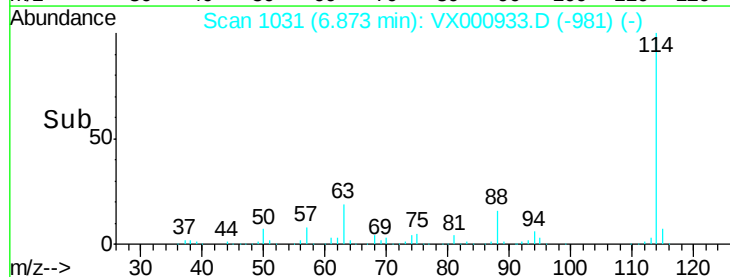
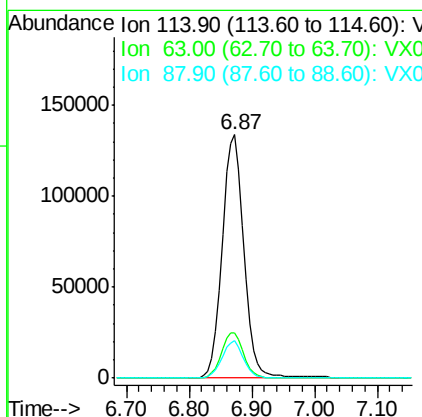
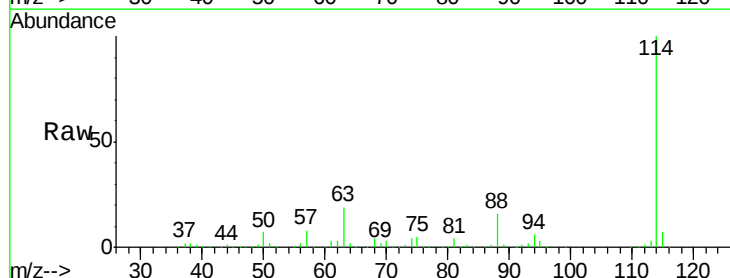
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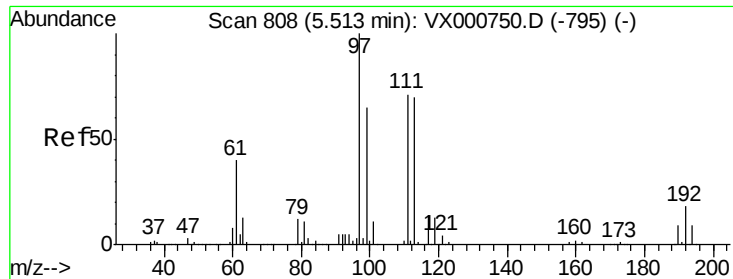
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	38.4
88	15.6	0.0	31.0





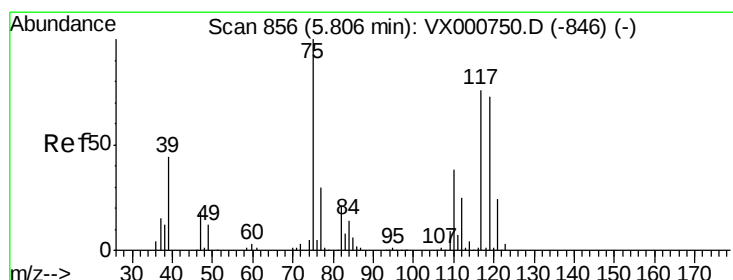
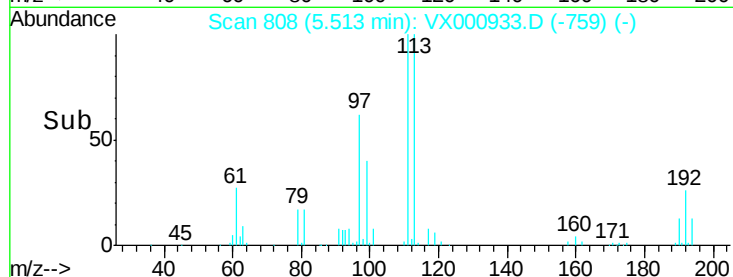
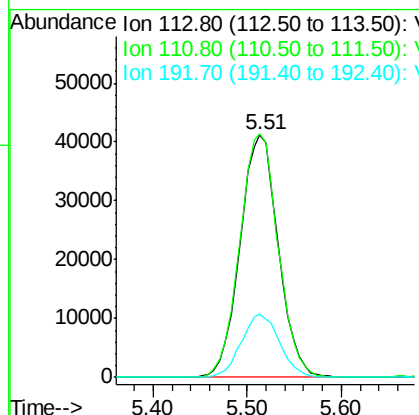
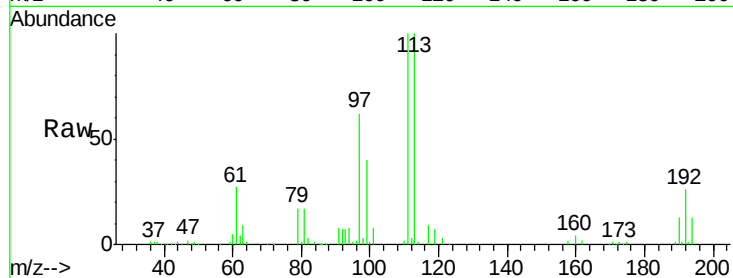
#35
 Dibromofluoromethane
 Concen: 47.31 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	116992		
111	101.2	81.5	122.3	
192	26.1	20.4	30.6	

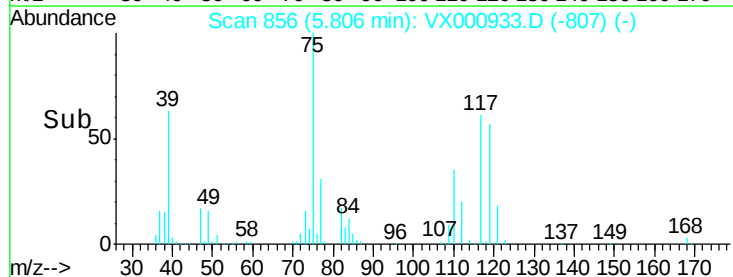
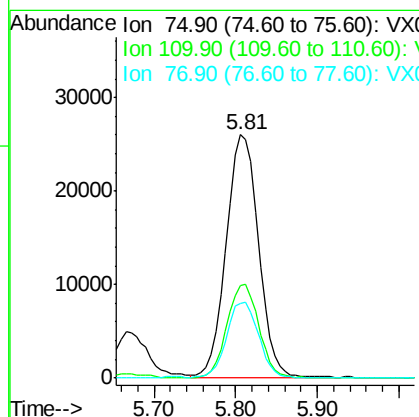
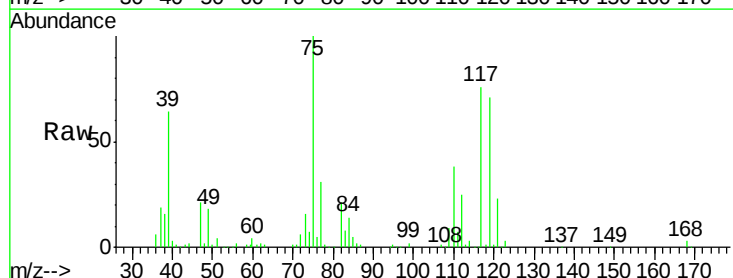
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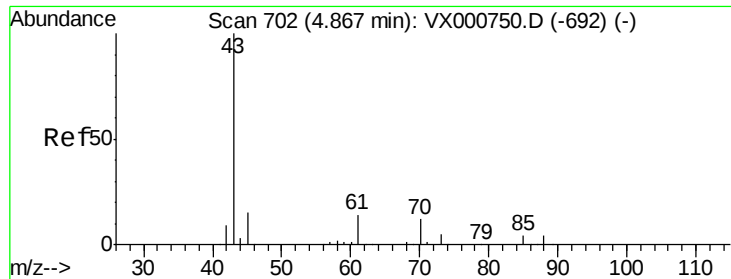
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#36
 1,1-Dichloropropene
 Concen: 20.05 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	70872		
110	38.4	19.2	57.6	
77	30.7	25.4	38.2	





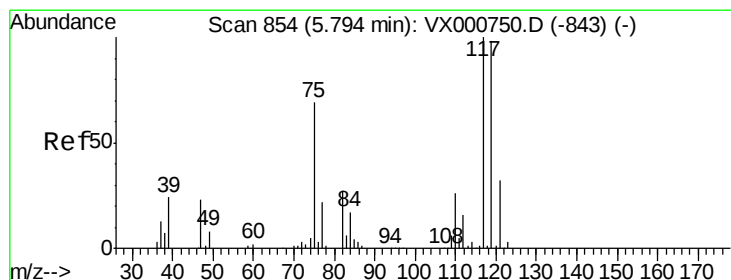
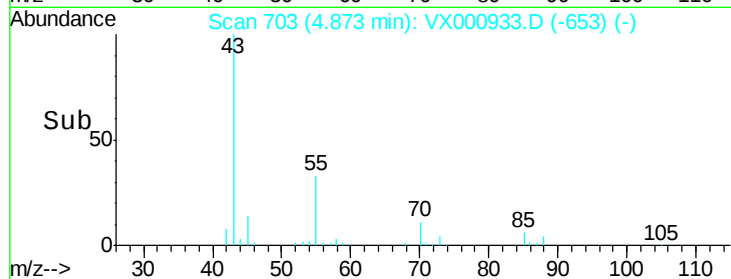
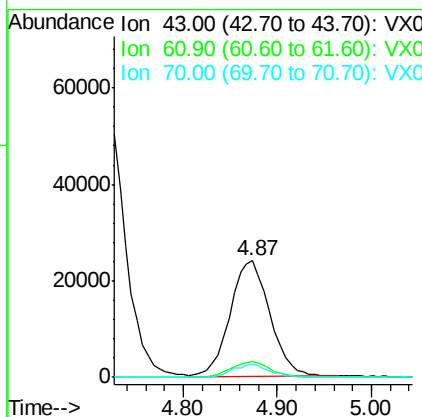
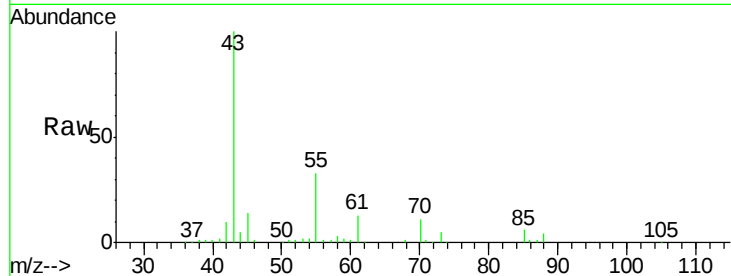
#37
Ethyl Acetate
Concen: 20.51 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Instrument :
MSVOA_X
ClientSampleId :
VX0416WBSD01

Tot Ion	43	Resp	70777
Ion Ratio	100	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	10.5	8.7	13.1

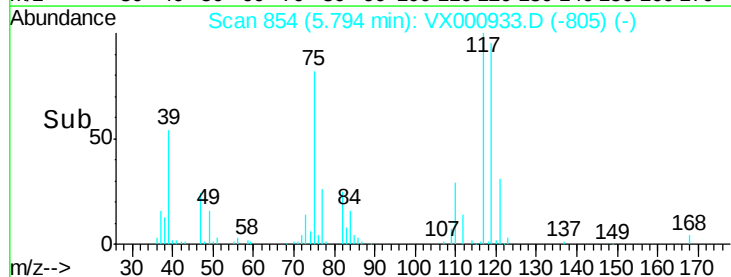
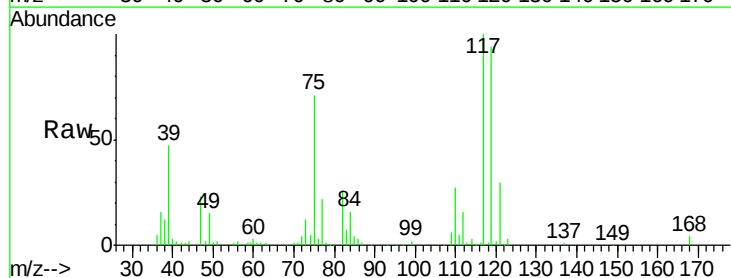
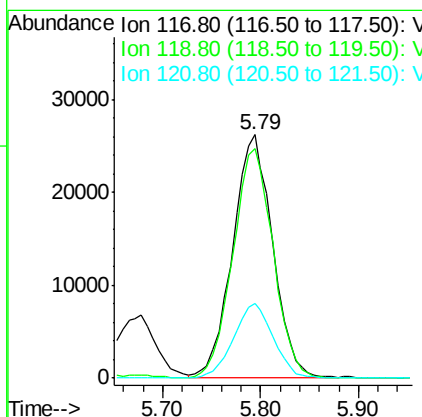
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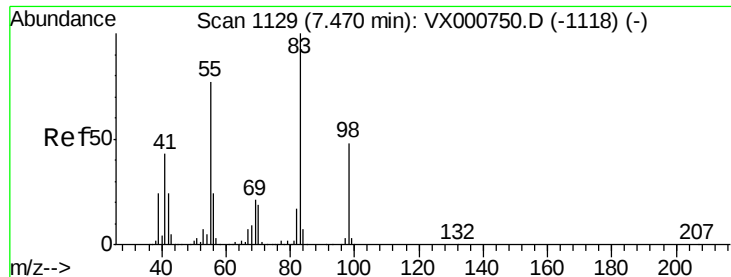
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.67 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Tgt Ion	117	Resp	73859
Ion Ratio	100	Lower	Upper
117	100		
119	94.5	78.4	117.6
121	30.6	25.4	38.0





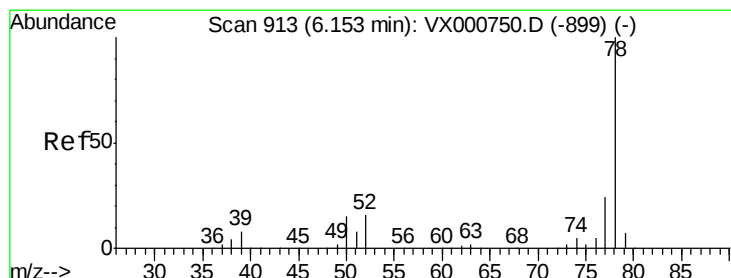
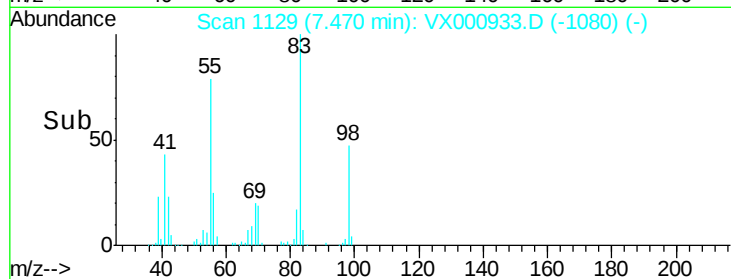
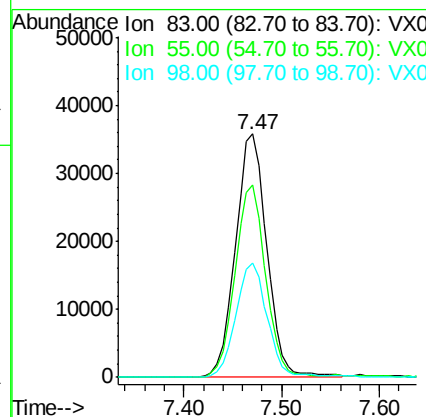
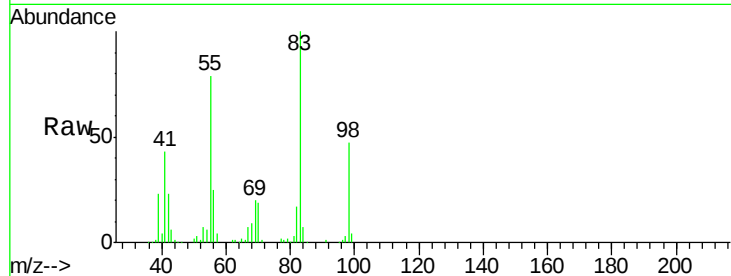
#39
Methvlcvclohexane
Concen: 18.79 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Instrument :
MSVOA_X
ClientSampleId :
VX0416WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	79771		
55	79.0		61.5	92.3
98	47.1		38.1	57.1

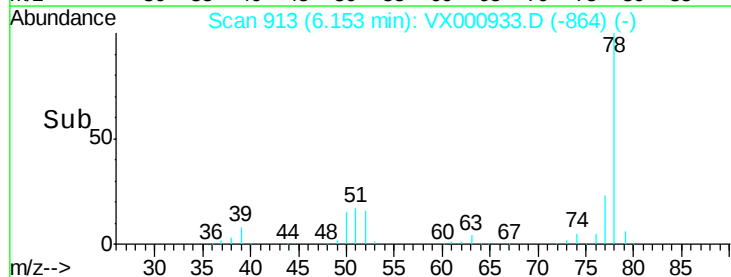
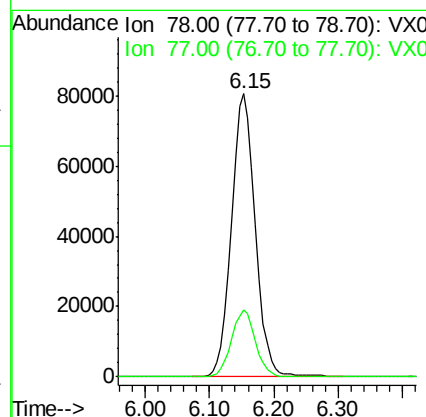
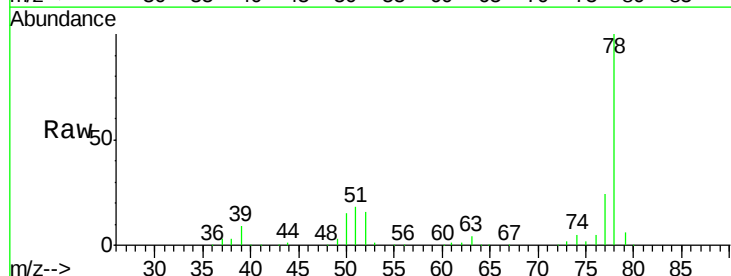
Manual Integrations
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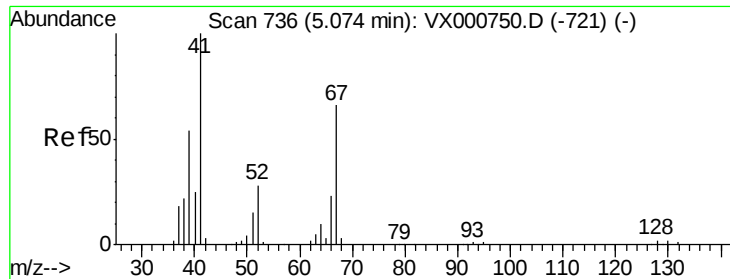
MMDadoda
4/18/2018 2:45:08 PM



#40
Benzene
Concen: 21.38 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	209964		
77	23.6		19.0	28.6





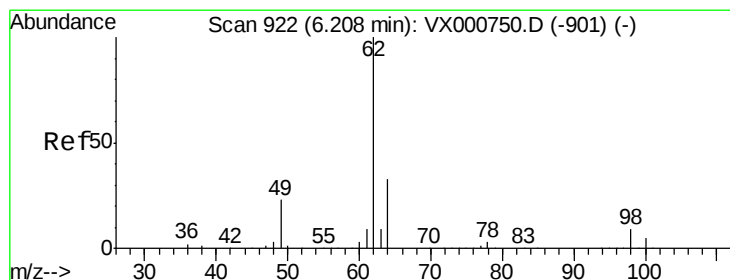
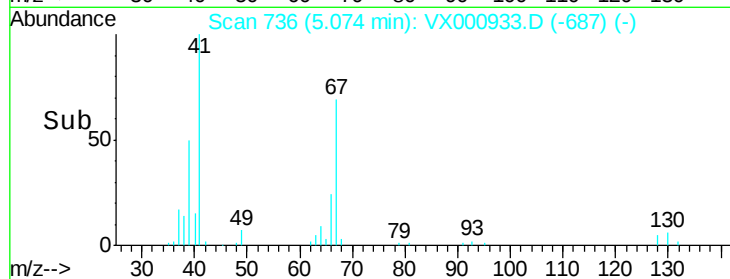
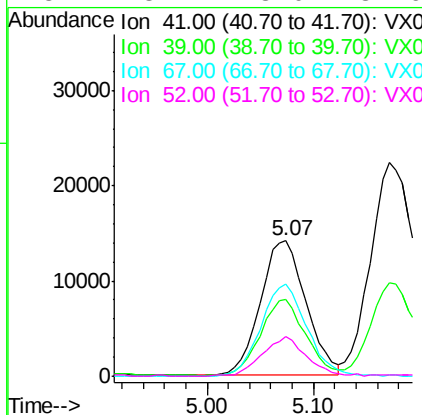
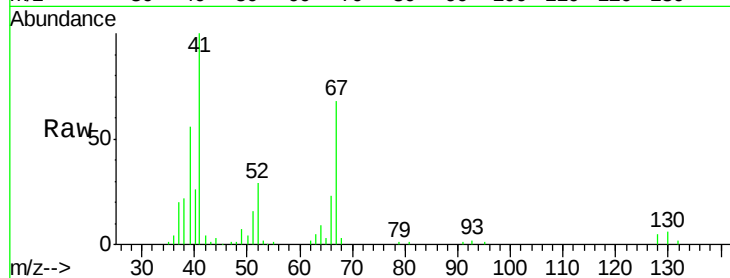
#41
Methacrylonitrile
Concen: 21.23 ug/l
RT: 5.07 min Scan# 736
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Instrument :
MSVOA_X
ClientSampleId :
VX0416WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.5	44.9	67.3	
67	68.6	54.7	82.1	
52	28.2	23.0	34.6	

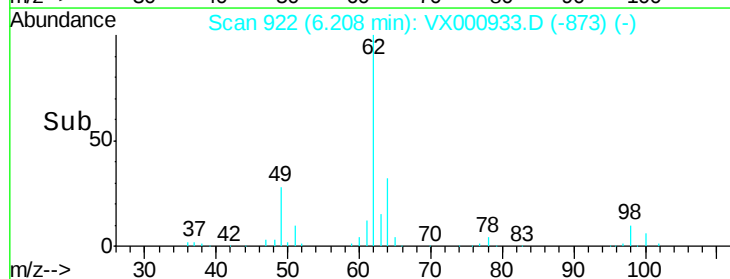
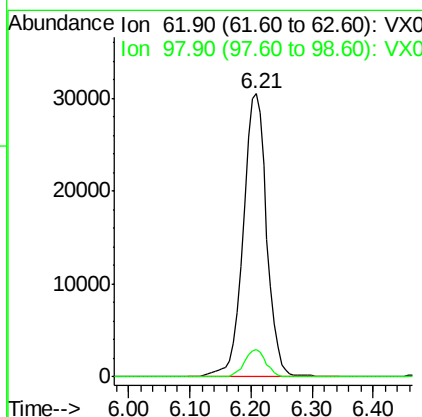
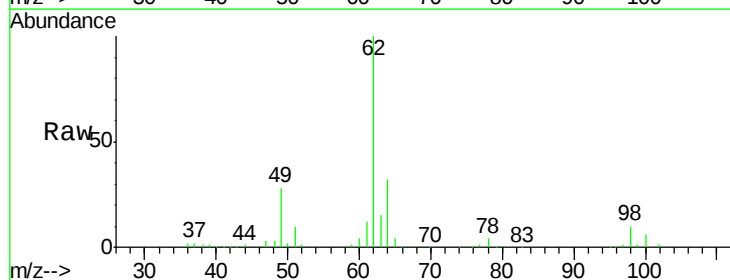
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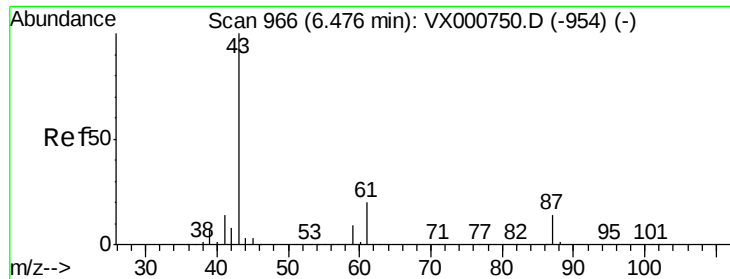
MMDadoda
4/18/2018 2:45:08 PM



#42
1,2-Dichloroethane
Concen: 22.17 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.6	





#43

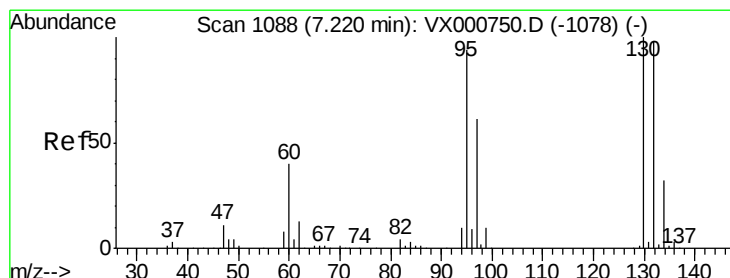
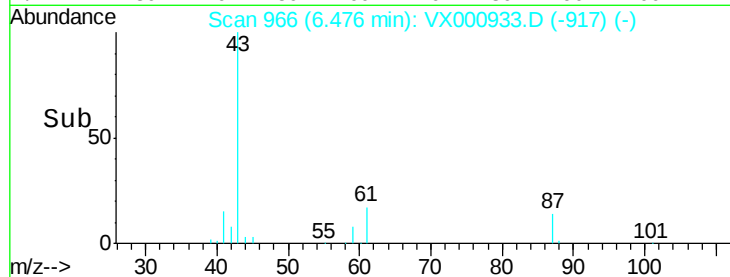
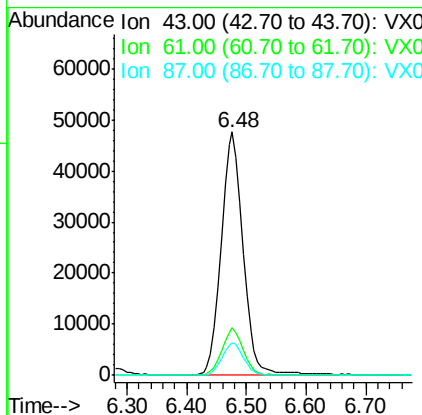
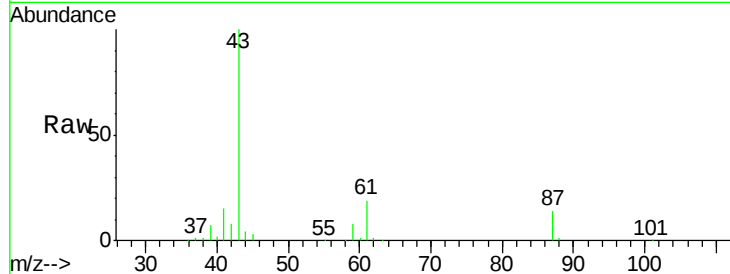
Isopropyl Acetate
 Concen: 20.36 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.6	23.4
87	13.3	10.7	16.1

Manual Integrations
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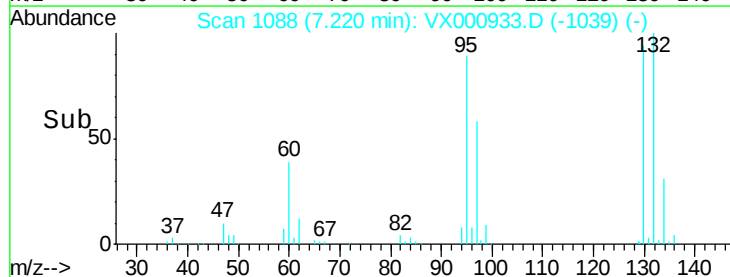
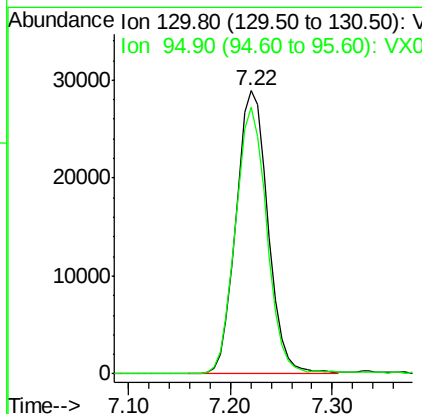
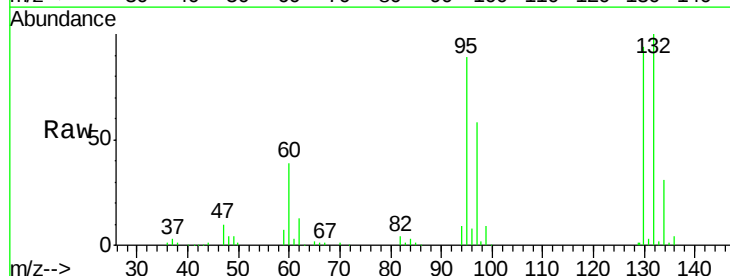
MMDadoda
 4/18/2018 2:45:08 PM

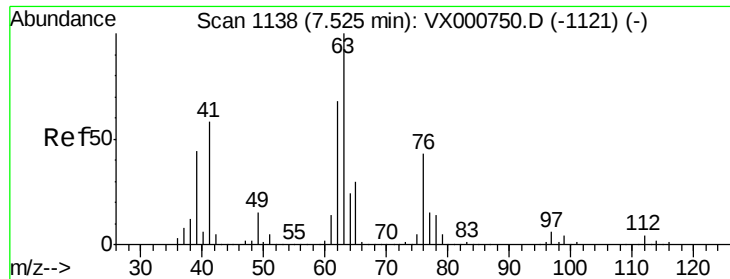


#44

Trichloroethene
 Concen: 20.55 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	187.0





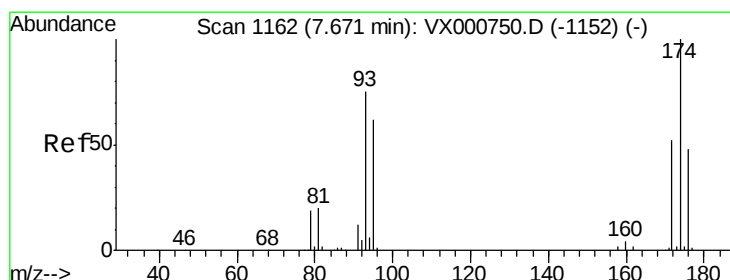
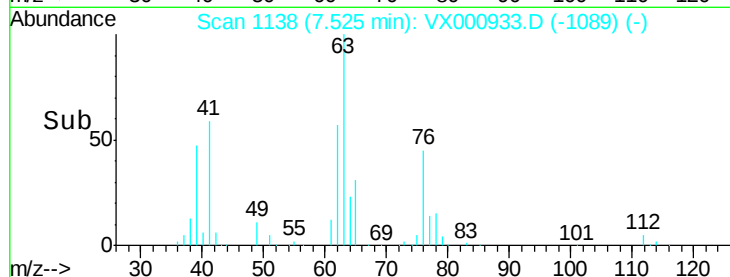
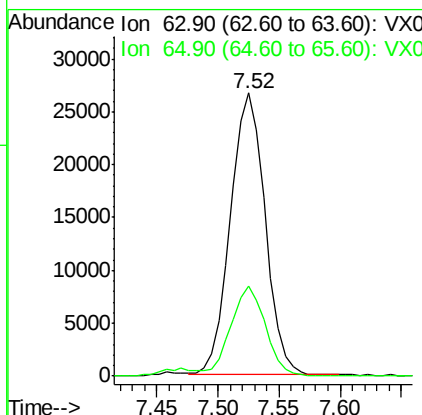
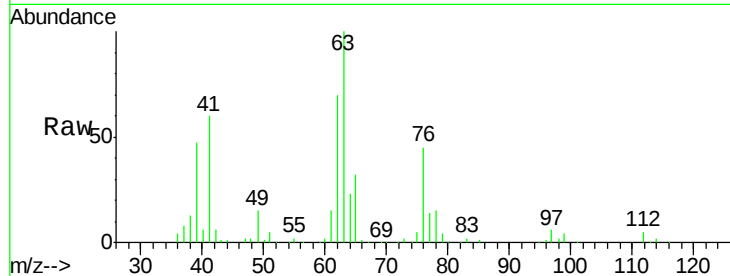
#45
 1,2-Dichloropropane
 Concen: 21.01 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416WBSD01

Tot Ion: 63 Resp: 52554
 Ion Ratio Lower Upper
 63 100
 65 31.8 23.7 35.5

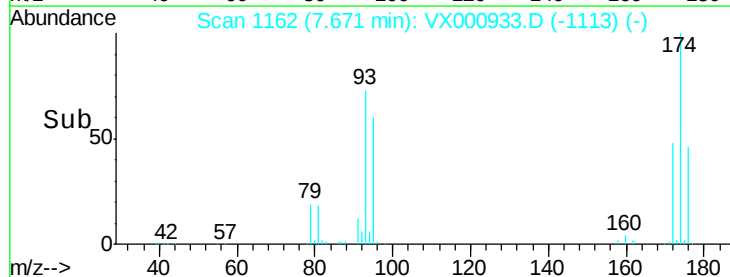
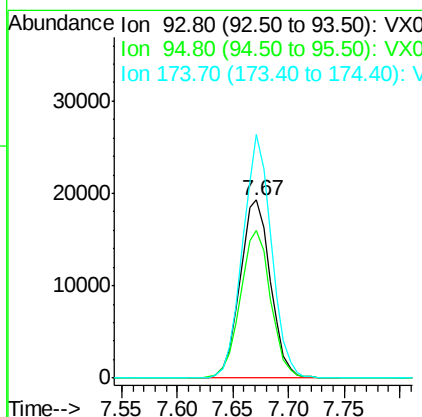
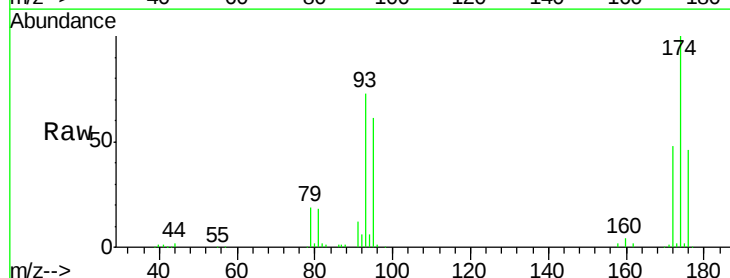
Manual Integrations
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#46
 Dibromomethane
 Concen: 21.08 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Tgt Ion: 93 Resp: 36759
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.6 100.0
 174 129.1 104.5 156.7





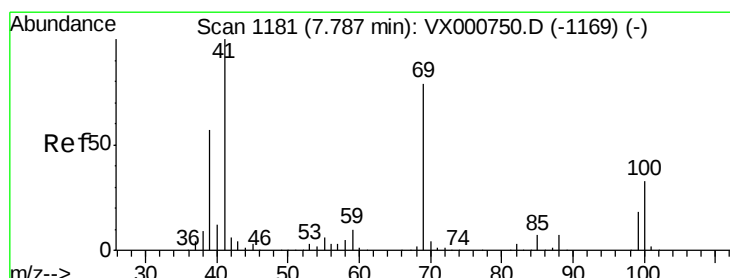
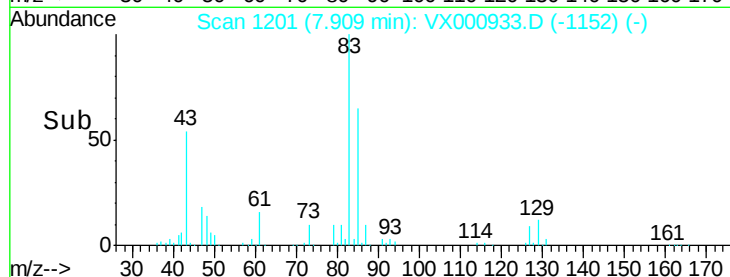
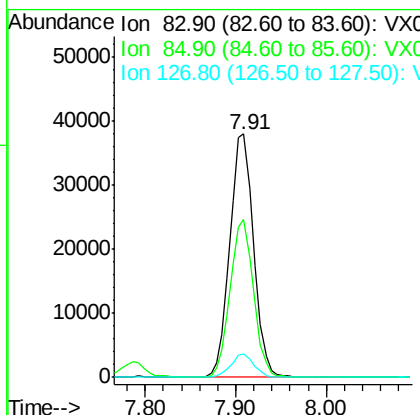
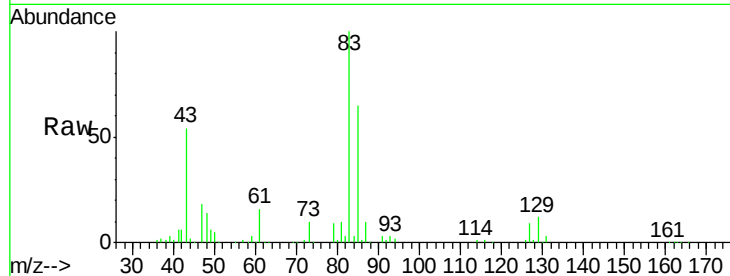
#47
 Bromodichloromethane
 Concen: 19.65 ug/l
 RT: 7.91 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416WBSD01

Tot Ion	83	Resp	69159
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	52.2	78.4
127	9.5	7.8	11.8

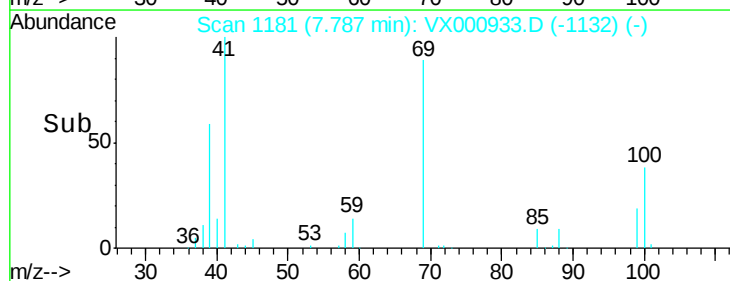
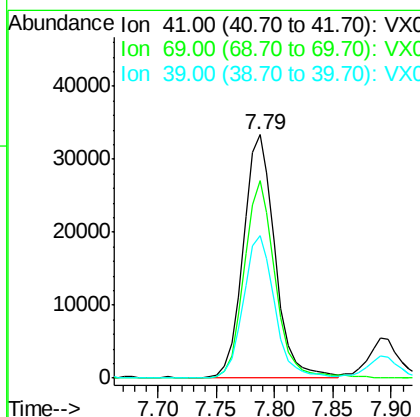
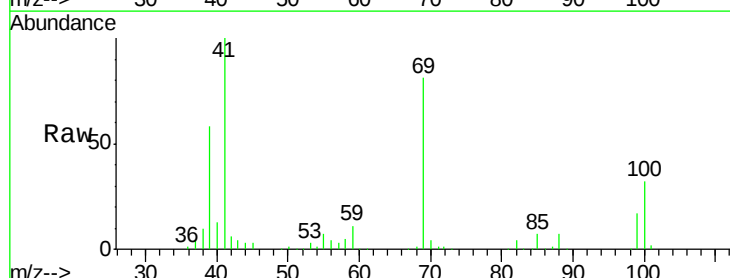
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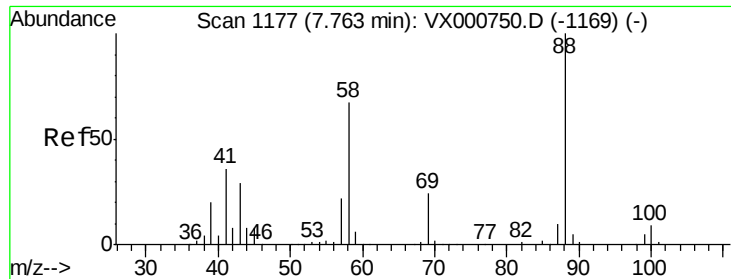
MMDadoda
 4/18/2018 2:45:08 PM



#48
 Methyl methacrylate
 Concen: 20.48 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Tgt Ion	41	Resp	62799
Ion Ratio	100	Lower	Upper
41	100		
69	80.7	63.9	95.9
39	57.4	45.9	68.9





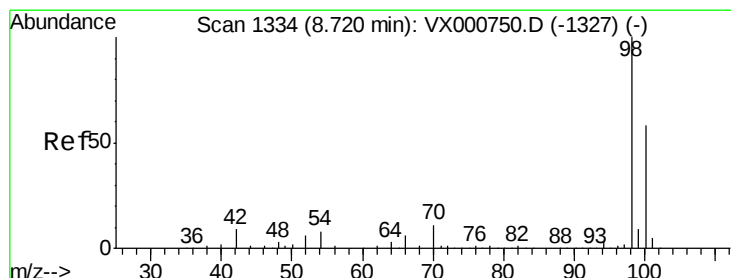
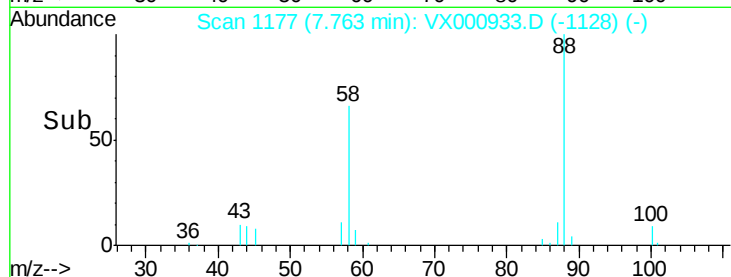
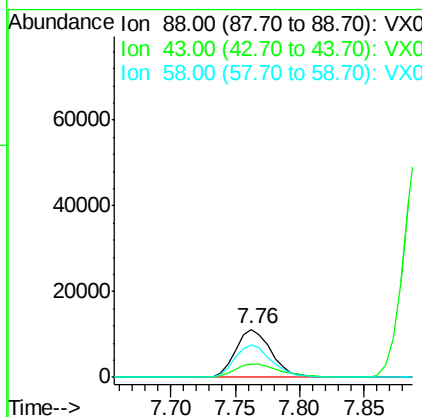
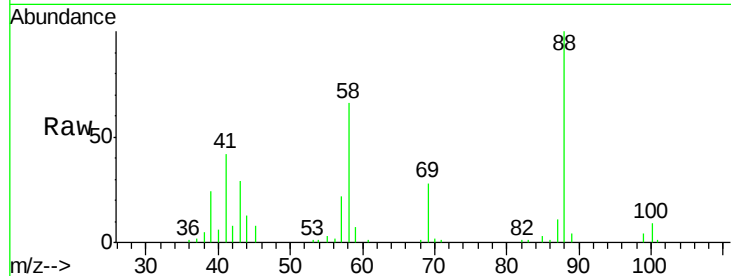
#49
1,4-Dioxane
Concen: 348.21 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Instrument :
MSVOA_X
ClientSampleId :
VX0416WBSD01

Tot Ion	88	Resp	21462
Ion	Ratio	Lower	Upper
88	100		
43	34.5	25.8	38.8
58	70.3	54.4	81.6

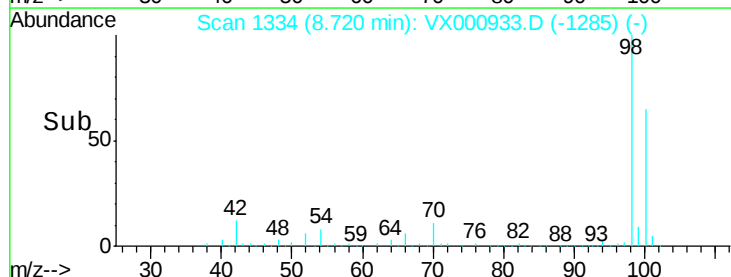
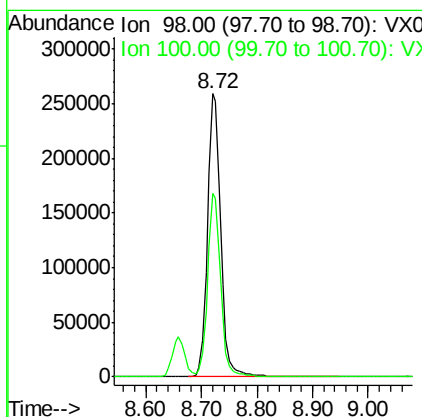
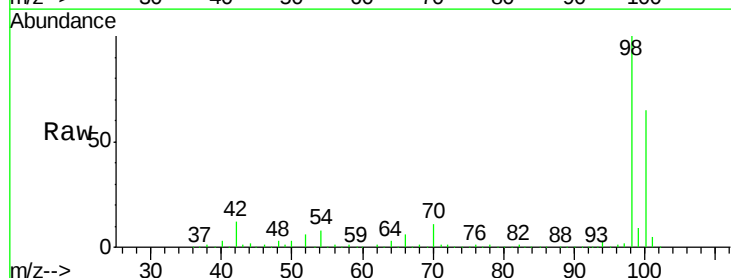
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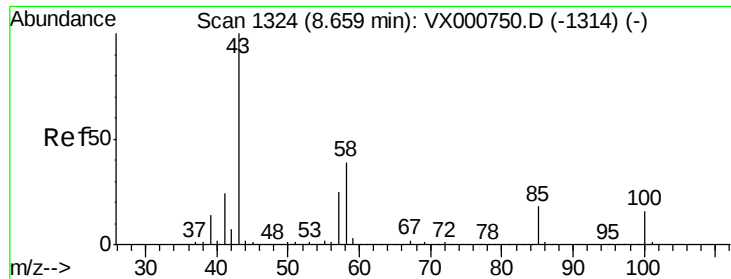
MMDadoda
4/18/2018 2:45:08 PM



#50
Toluene-d8
Concen: 47.19 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Tgt Ion	98	Resp	434503
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 107.35 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBSD01

Tot Ion: 43 Resp: 373126

Ion Ratio Lower Upper

43 100

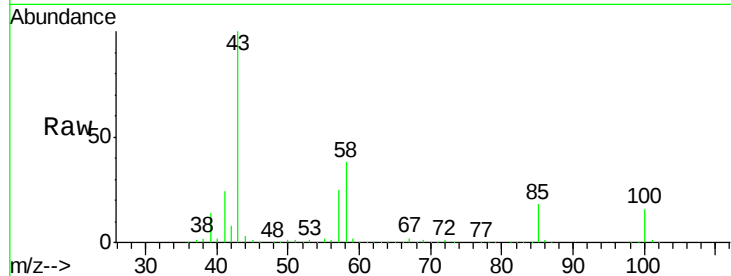
58 37.0 30.3 45.5

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

250000

200000

150000

100000

50000

0

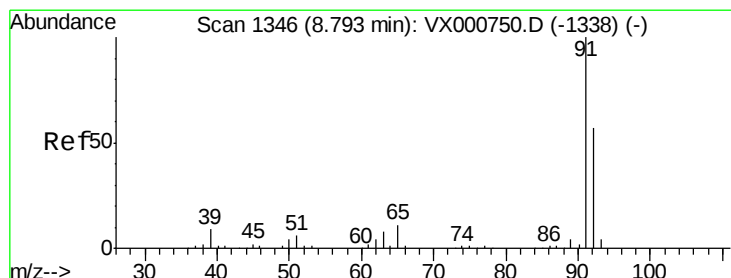
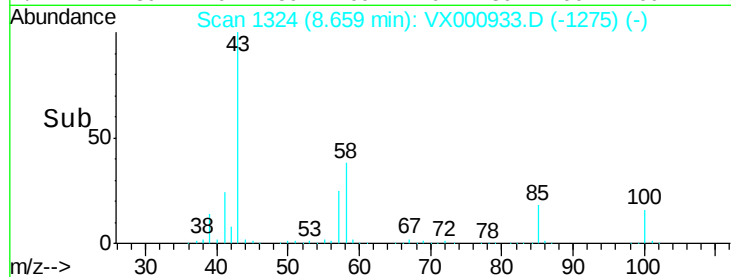
8.60

8.66

8.70

8.80

Time-->



#52

Toluene

Concen: 21.09 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000933.D

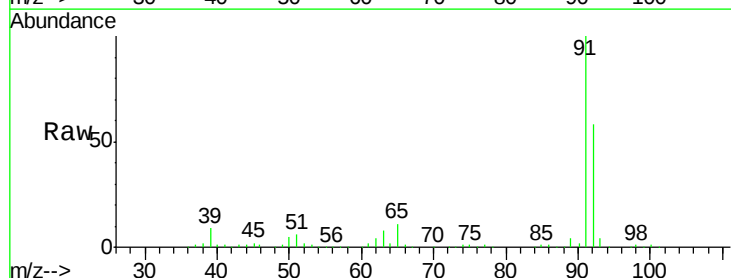
Acq: 16 Apr 2018 21:22

Tgt Ion: 92 Resp: 137408

Ion Ratio Lower Upper

92 100

91 173.7 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

150000

100000

50000

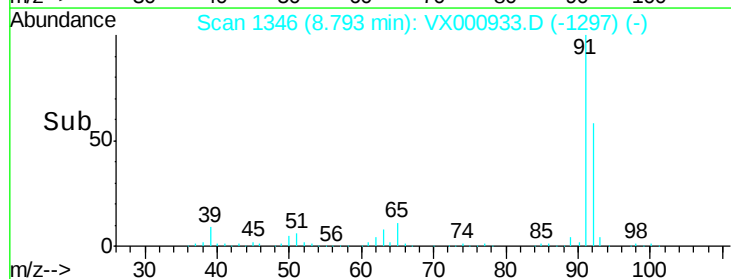
0

8.70

8.79

8.90

Time-->





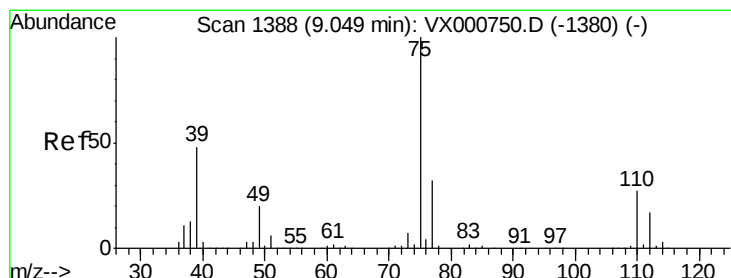
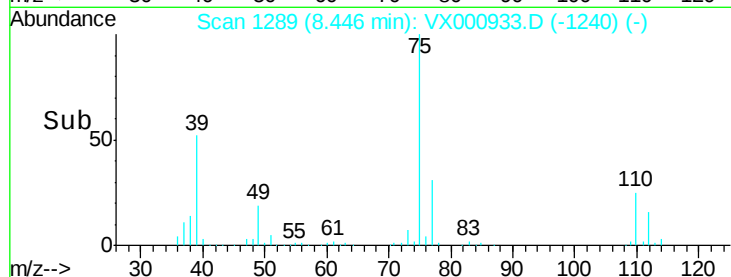
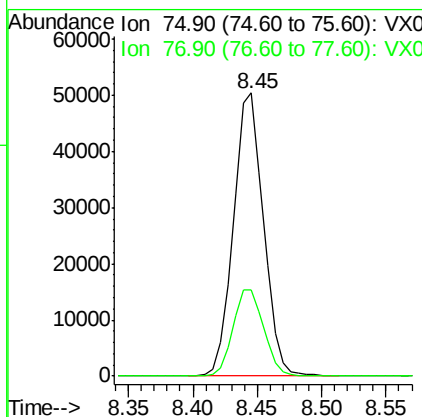
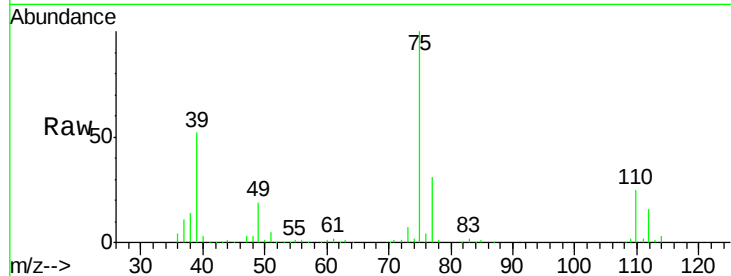
#53
t-1,3-Dichloropropene
Concen: 19.37 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Instrument :
MSVOA_X
ClientSampleId :
VX0416WBSD01

Tot Ion: 75 Resp: 81756
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.2

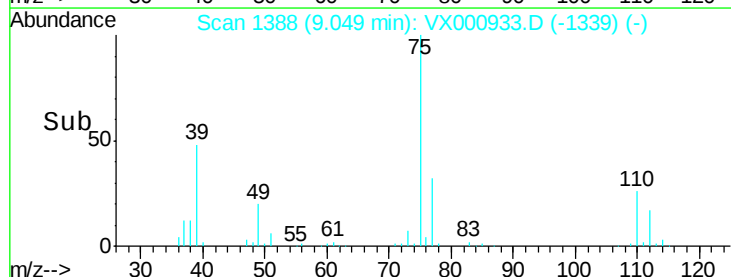
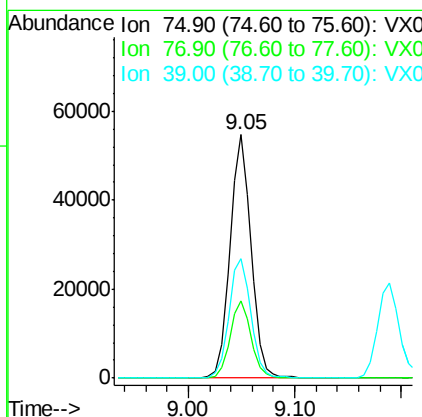
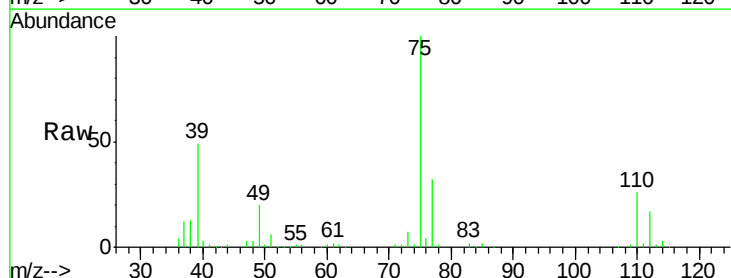
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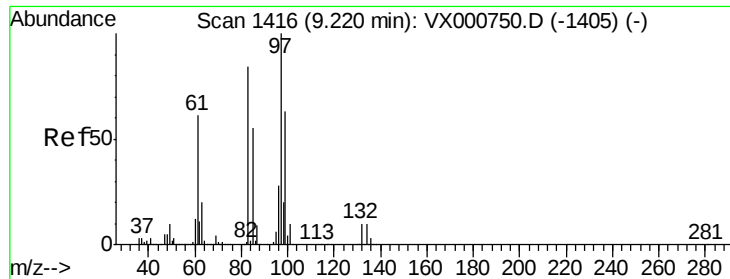
MMDadoda
4/18/2018 2:45:08 PM



#54
cis-1,3-Dichloropropene
Concen: 18.50 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Tgt Ion: 75 Resp: 76045
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2
39 48.8 38.6 58.0





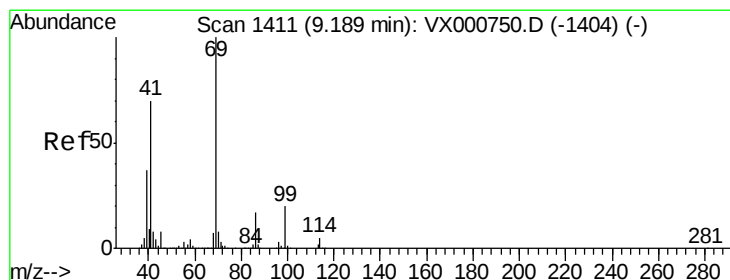
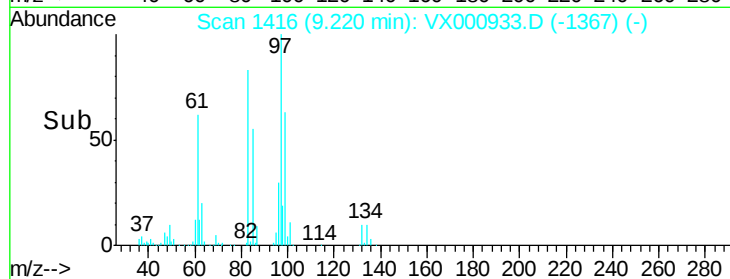
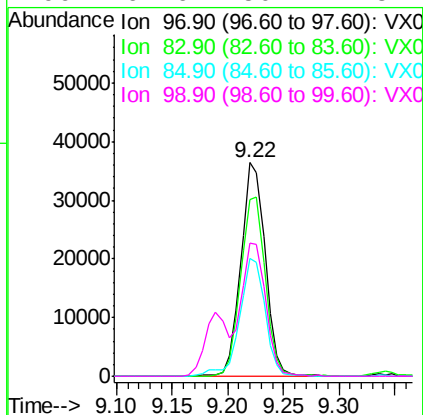
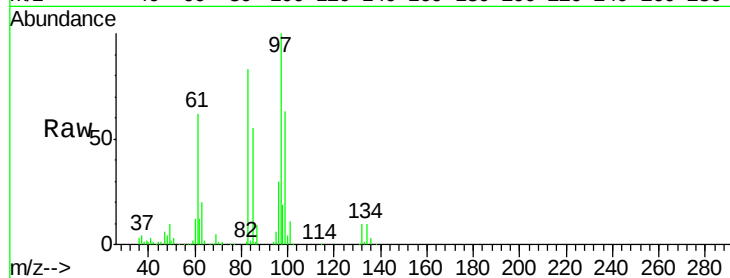
#55
 1,1,2-Trichloroethane
 Concen: 21.45 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416WBSD01

Tot Ion:	97	Resp:	55486
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.6	101.4
85	55.4	43.8	65.6
99	62.6	50.2	75.4

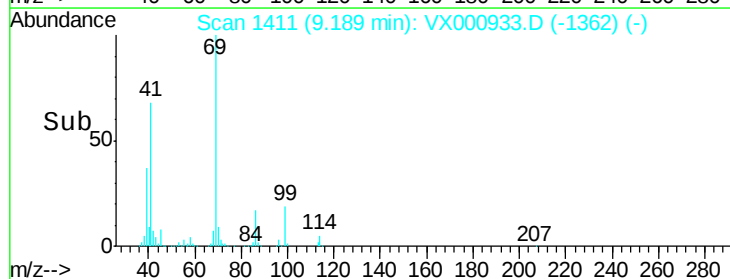
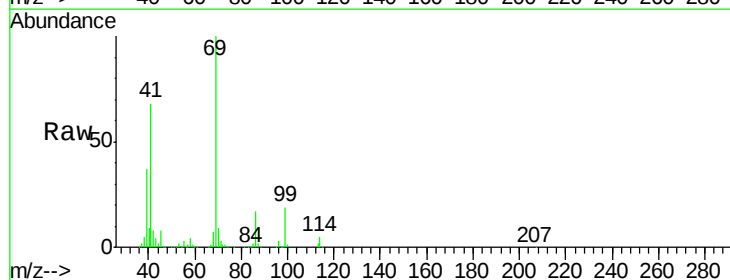
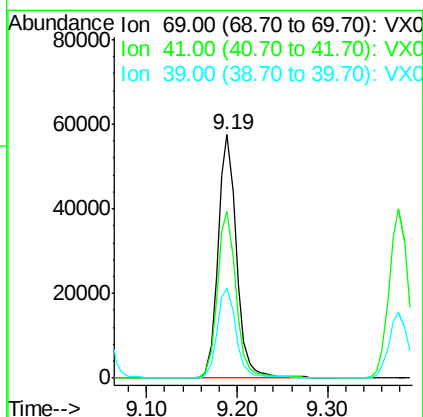
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#56
 Ethyl methacrylate
 Concen: 20.63 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Tgt Ion:	69	Resp:	82341
Ion	Ratio	Lower	Upper
69	100		
41	69.3	55.6	83.4
39	38.0	30.3	45.5





#57

1,3-Dichloropropane

Concen: 22.36 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBSD01

Tot Ion: 76 Resp: 91957

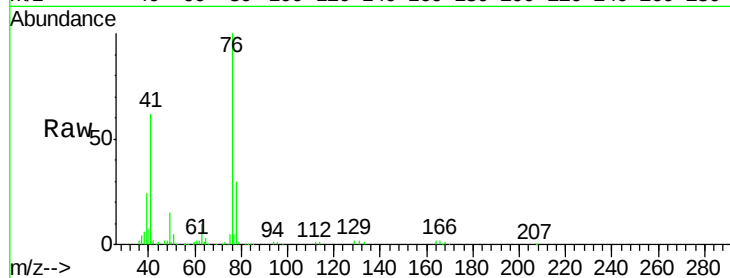
Ion Ratio Lower Upper

76 100

78 31.7 25.8 38.6

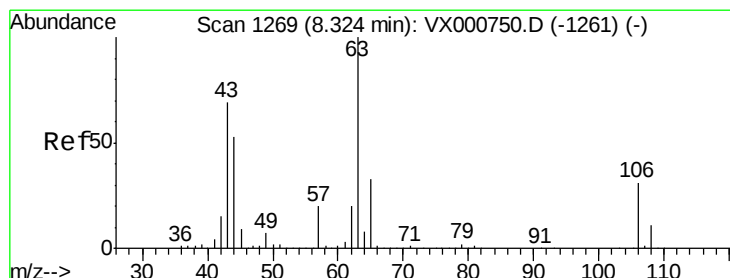
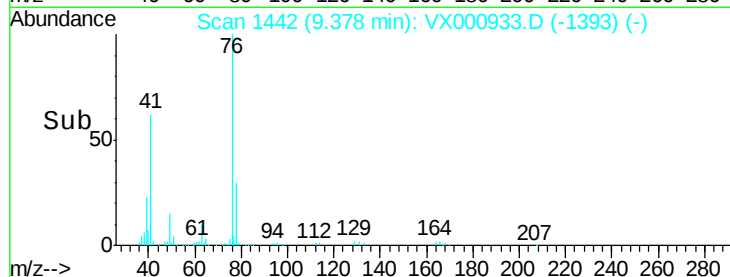
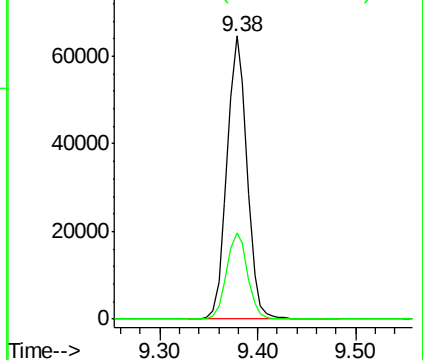
Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 105.88 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX000933.D

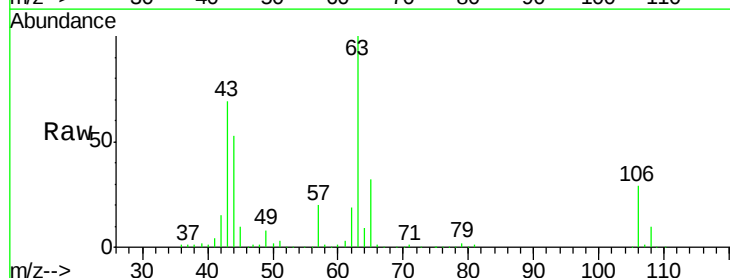
Acq: 16 Apr 2018 21:22

Tgt Ion: 63 Resp: 197425

Ion Ratio Lower Upper

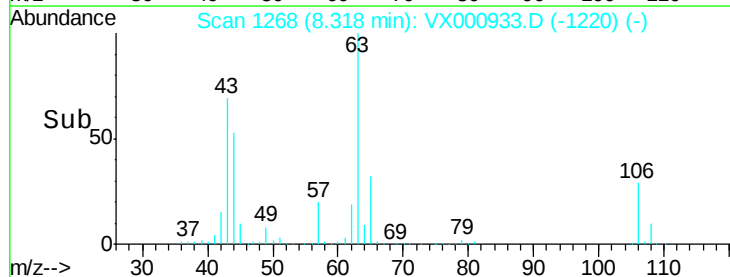
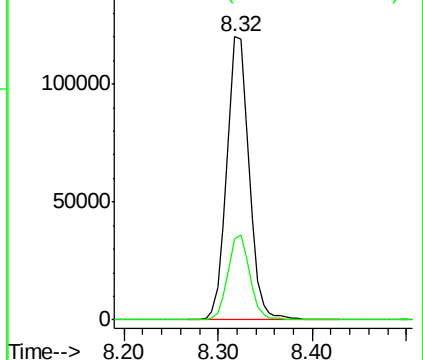
63 100

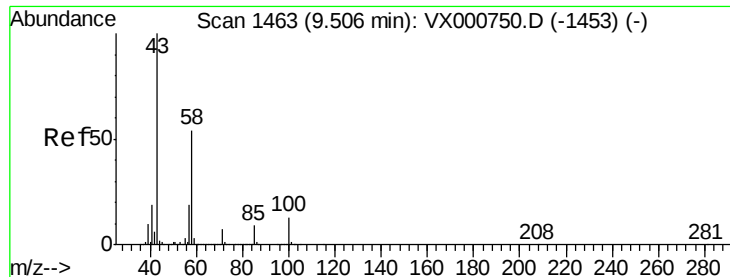
106 29.5 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





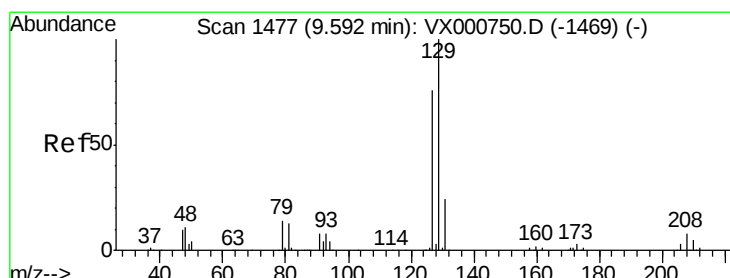
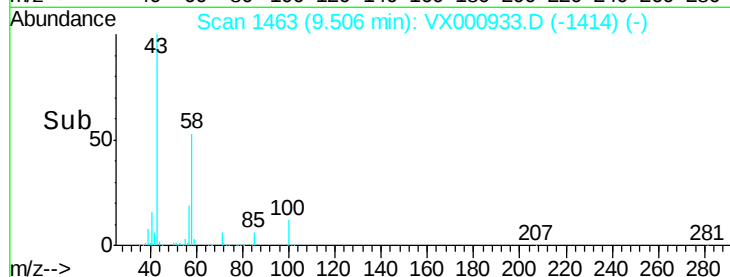
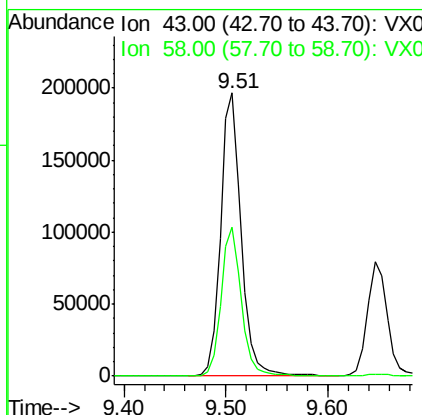
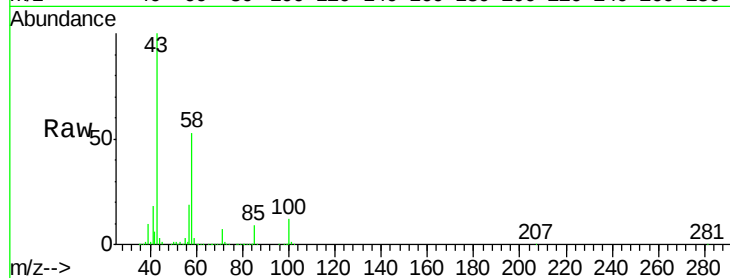
#59
2-Hexanone
Concen: 102.54 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Instrument :
MSVOA_X
ClientSampleId :
VX0416WBSD01

Tot Ion: 43 Resp: 275127
Ion Ratio Lower Upper
43 100
58 52.1 26.5 79.5

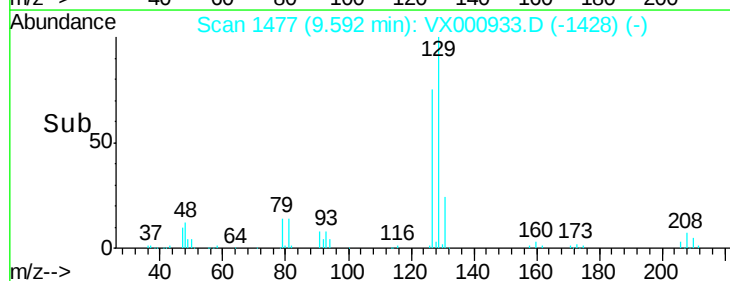
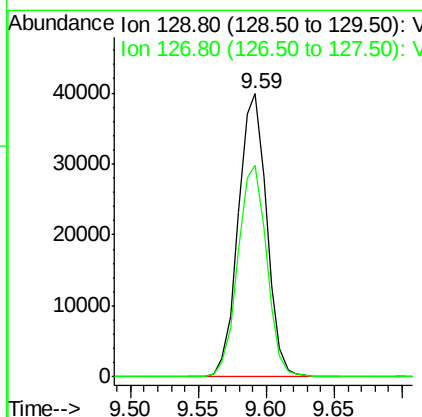
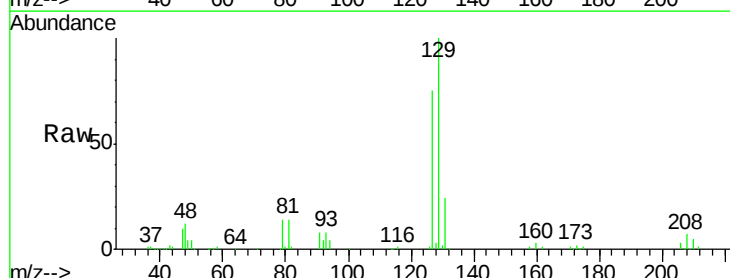
Manual Integrations
APPROVED

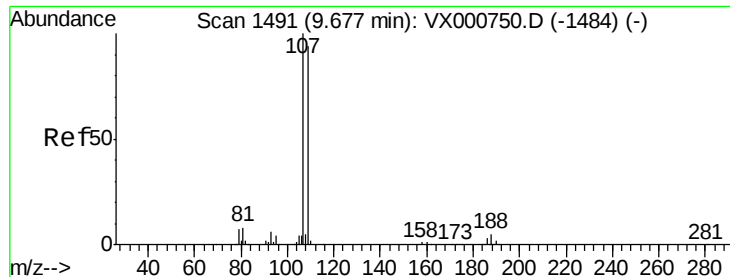
MMDadoda
4/18/2018 2:45:08 PM



#60
Dibromochloromethane
Concen: 18.75 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Tgt Ion: 129 Resp: 58053
Ion Ratio Lower Upper
129 100
127 75.8 38.4 115.1





#61

1,2-Dibromoethane

Concen: 21.25 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBSD01

Tot Ion: 107 Resp: 58317

Ion Ratio Lower Upper

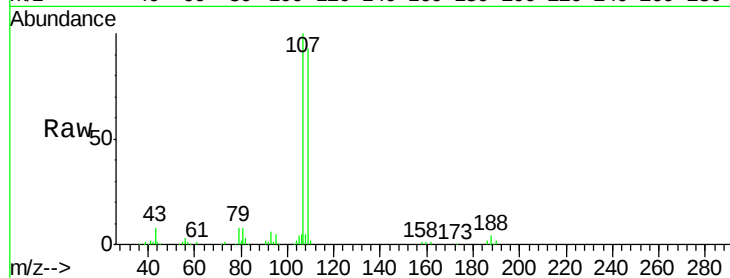
107 100

109 94.4 76.2 114.4

Manual Integrations
APPROVED

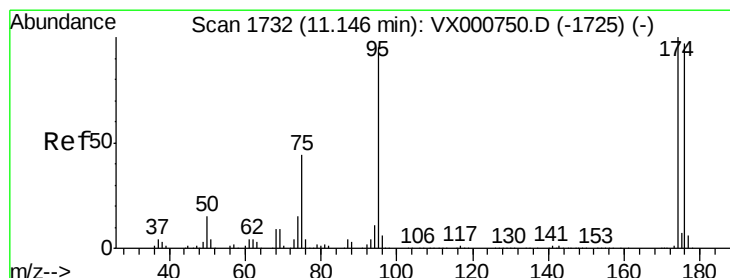
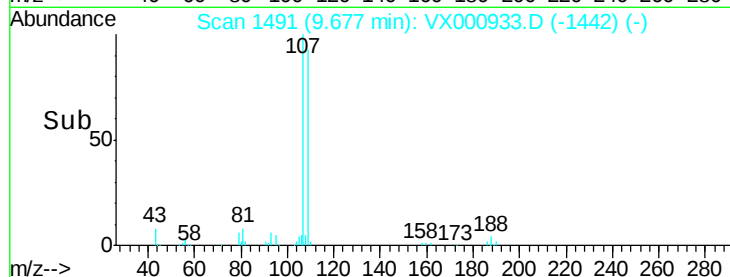
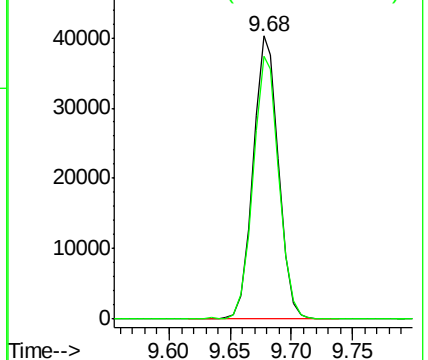
MMDadoda

4/18/2018 2:45:08 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.14 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

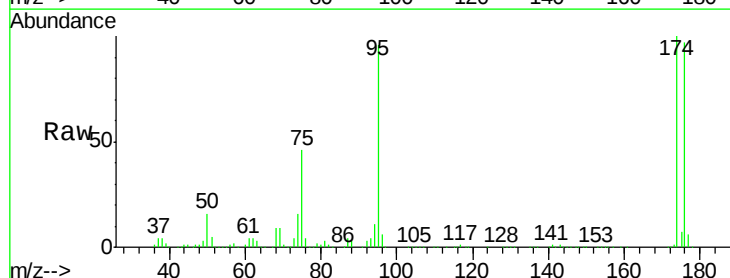
Tgt Ion: 95 Resp: 175781

Ion Ratio Lower Upper

95 100

174 98.0 0.0 198.4

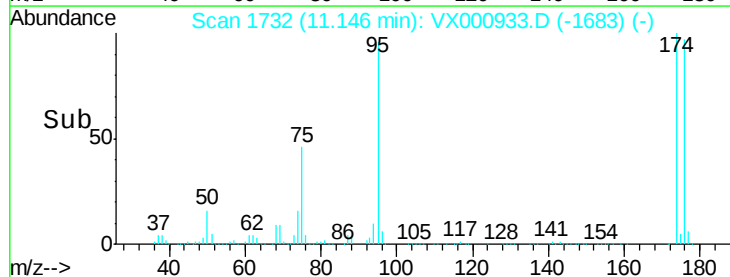
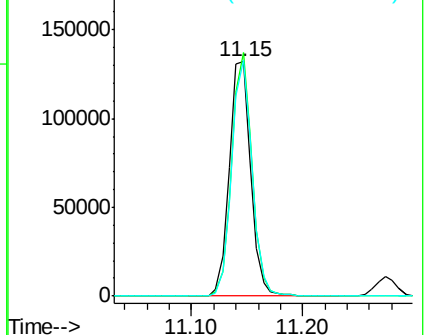
176 95.9 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





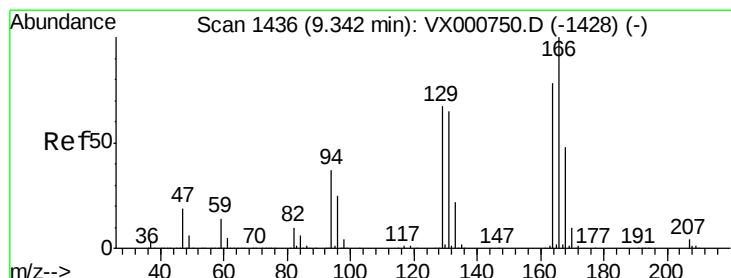
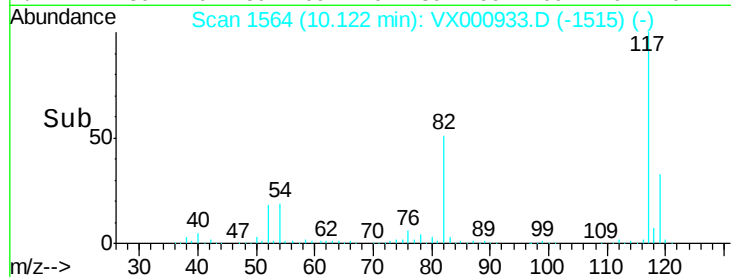
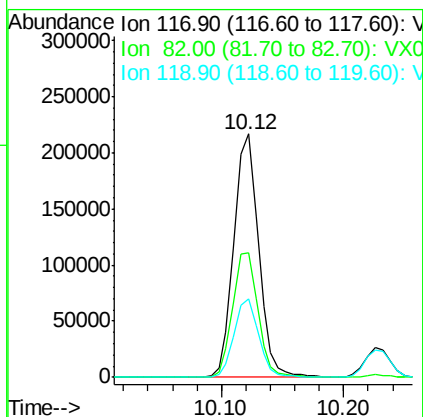
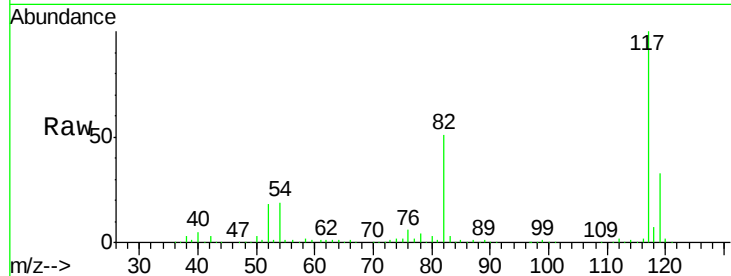
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Instrument :
MSVOA_X
ClientSampleId :
VX0416WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.9	62.9
119	32.5	26.0	39.0

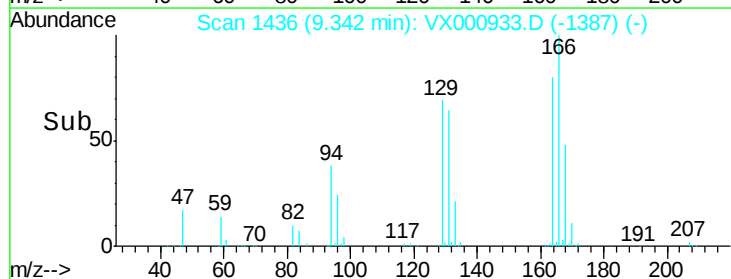
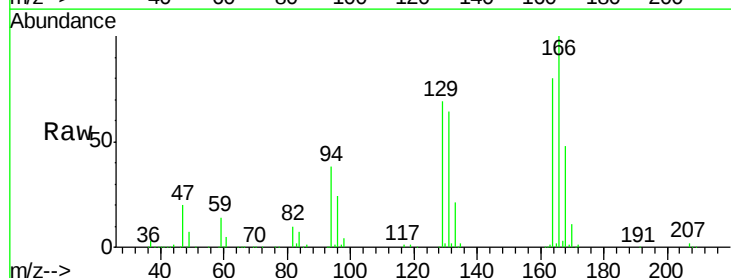
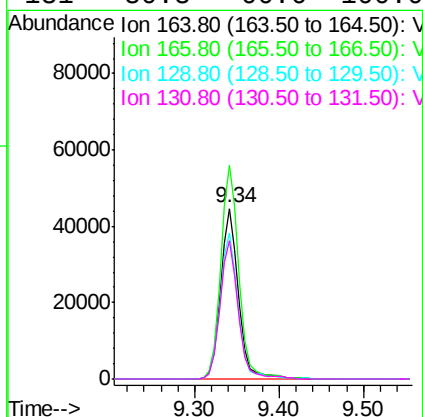
Manual Integrations
APPROVED

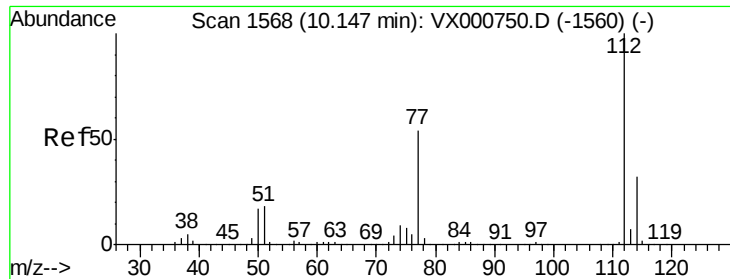
MMDadoda
4/18/2018 2:45:08 PM



#64
Tetrachloroethene
Concen: 21.99 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	102.8	154.2
129	85.8	68.5	102.7
131	80.8	66.6	100.0





#65

Chlorobenzene

Concen: 21.49 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

ClientSampled :

VX0416WBSD01

Tot Ion:112 Resp: 164484

Ion Ratio Lower Upper

112 100

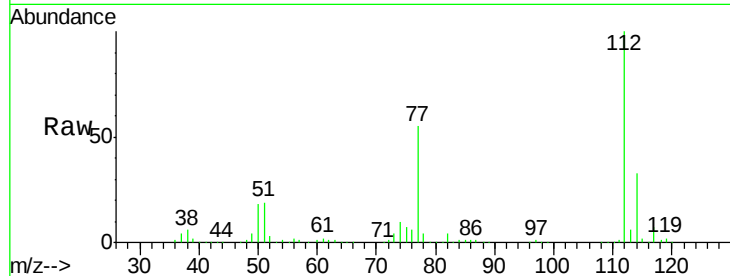
114 32.5 25.8 38.8

Manual Integrations

APPROVED

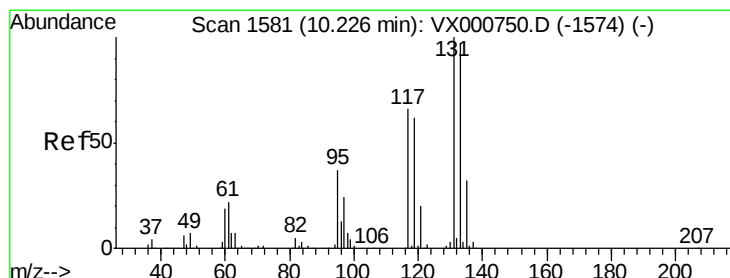
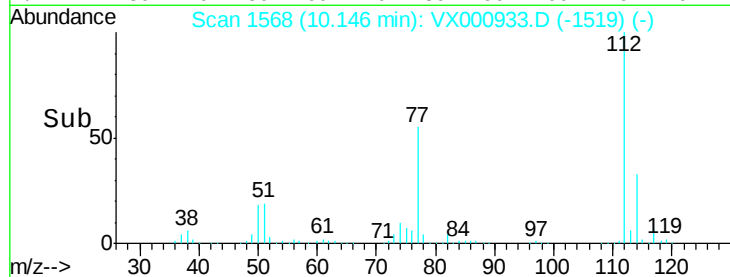
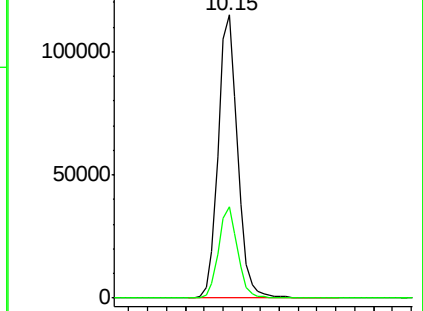
MMDadoda

4/18/2018 2:45:08 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.90 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

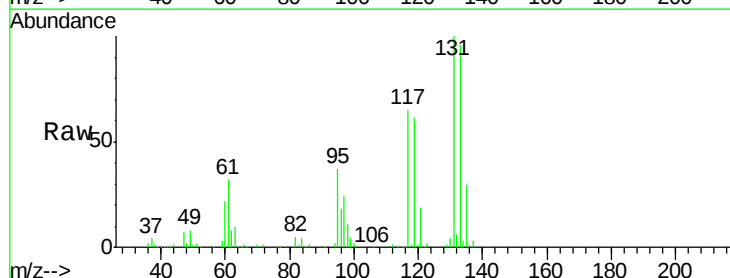
Tgt Ion:131 Resp: 57342

Ion Ratio Lower Upper

131 100

133 96.3 48.3 144.9

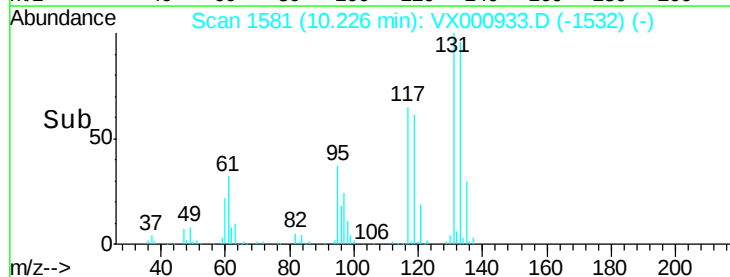
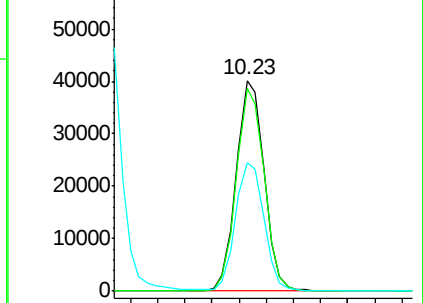
119 62.9 31.4 94.0

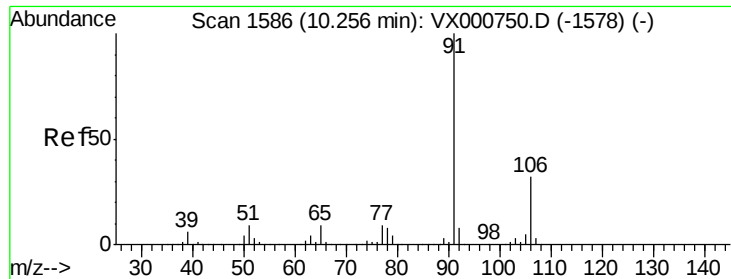


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





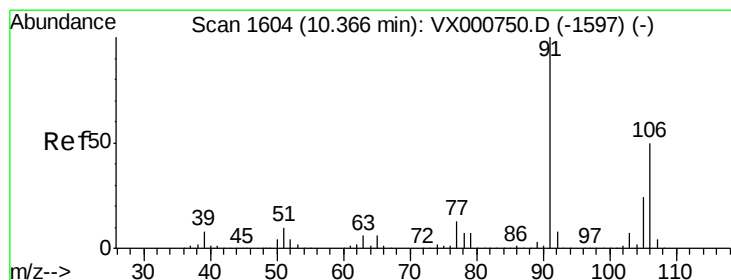
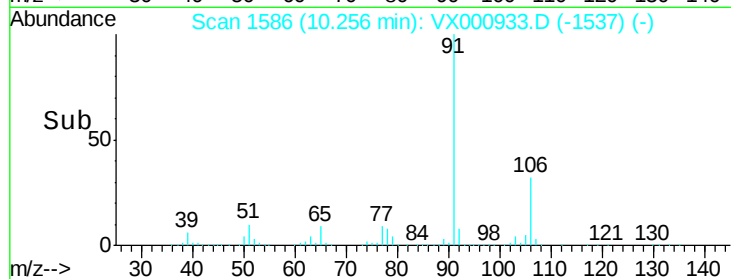
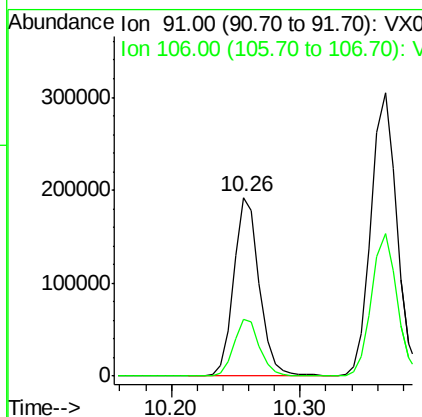
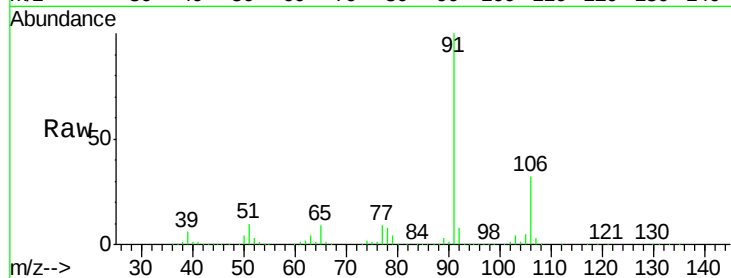
#67
Ethyl Benzene
Concen: 20.97 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Instrument :
MSVOA_X
ClientSampled :
VX0416WBSD01

Tot Ion: 91 Resp: 267644
Ion Ratio Lower Upper
91 100
106 32.1 25.4 38.0

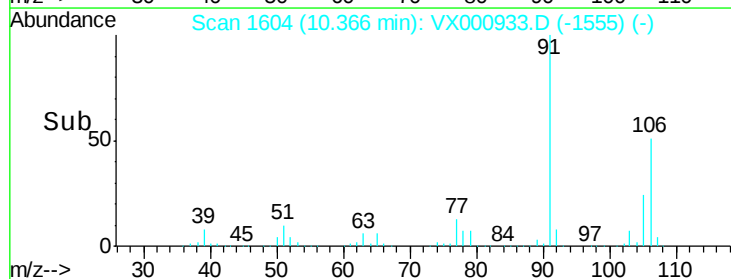
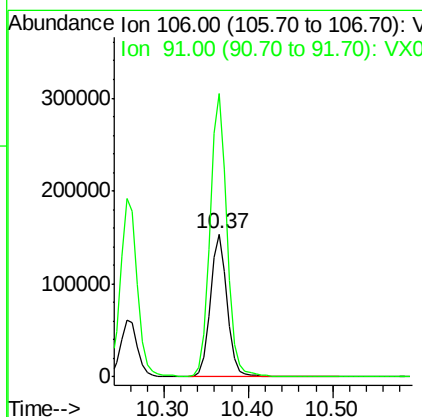
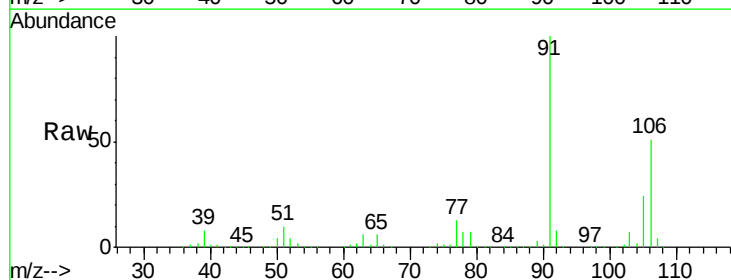
Manual Integrations
APPROVED

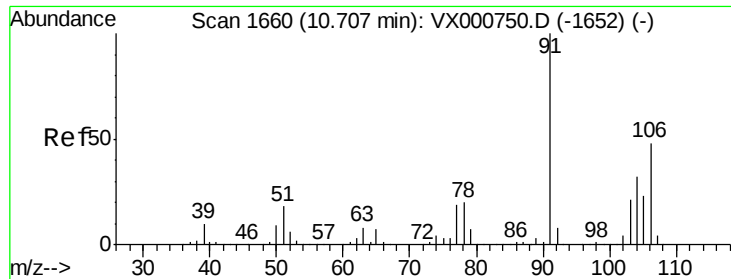
MMDadoda
4/18/2018 2:45:08 PM



#68
m/p-Xylenes
Concen: 42.07 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Tgt Ion: 106 Resp: 211941
Ion Ratio Lower Upper
106 100
91 200.0 159.3 238.9





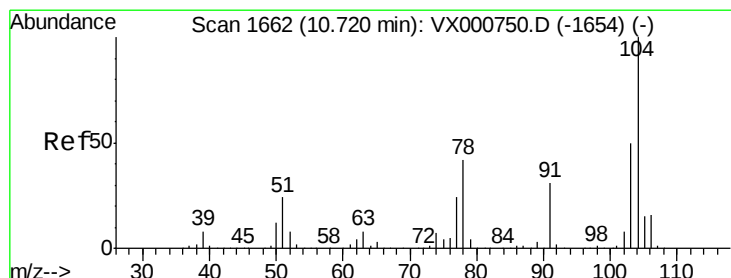
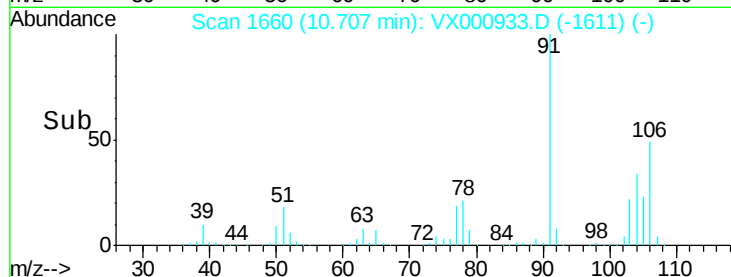
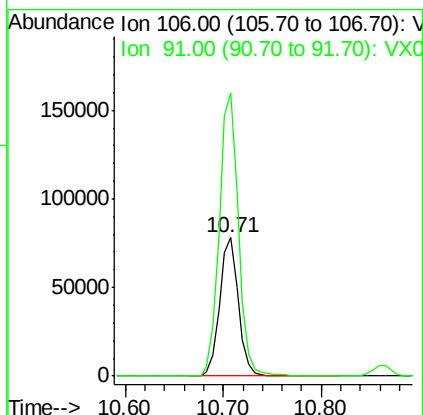
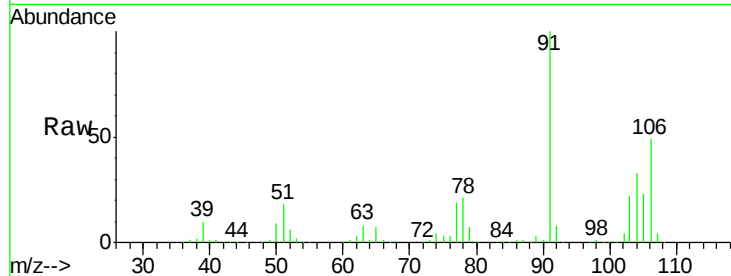
#69
o-Xylene
Concen: 21.31 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Instrument :
MSVOA_X
ClientSampled :
VX0416WBSD01

Tot Ion:106 Resp: 103483
Ion Ratio Lower Upper
106 100
91 209.2 105.0 315.0

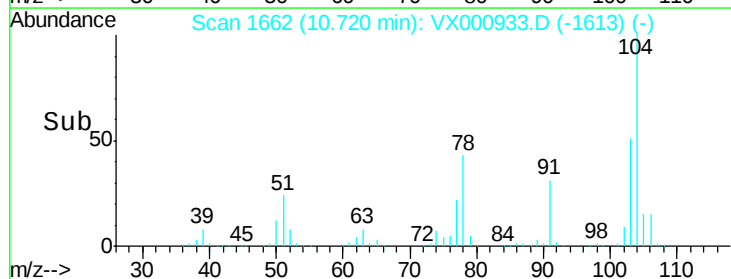
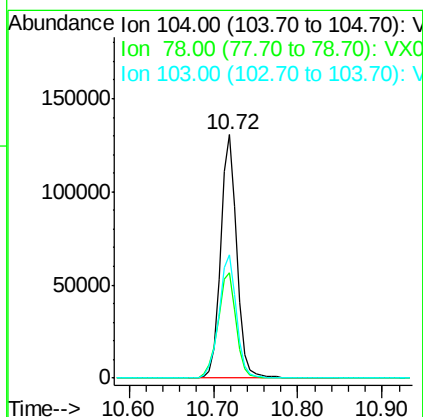
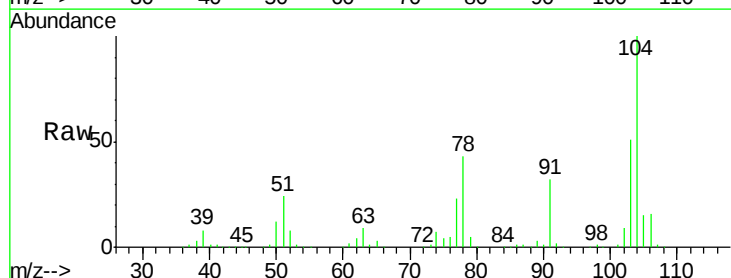
Manual Integrations
APPROVED

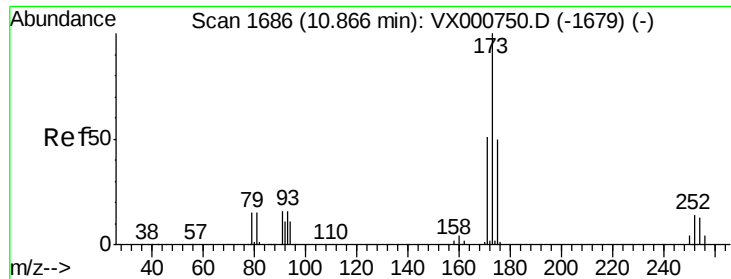
MMDadoda
4/18/2018 2:45:08 PM



#70
Styrene
Concen: 21.17 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Tgt Ion:104 Resp: 173304
Ion Ratio Lower Upper
104 100
78 48.7 39.0 58.6
103 54.9 44.1 66.1





#71

Bromoform

Concen: 16.92 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

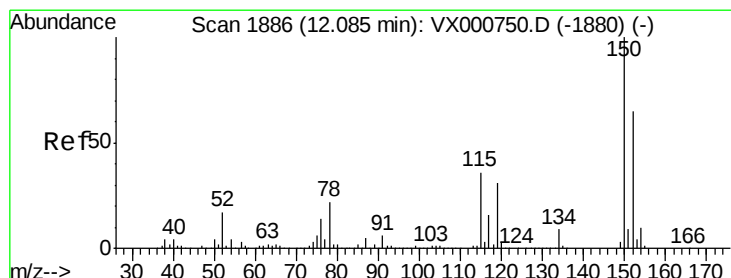
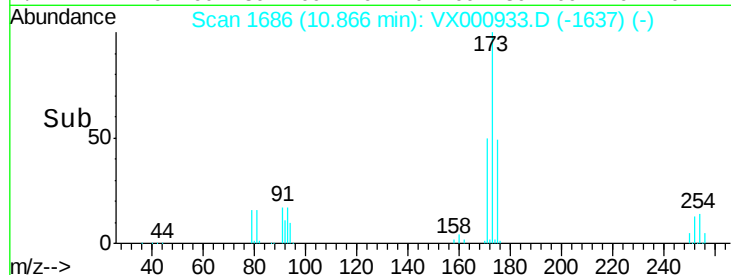
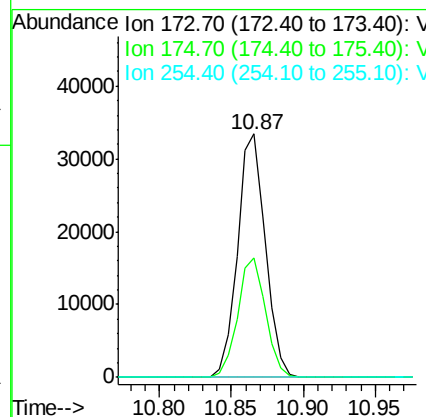
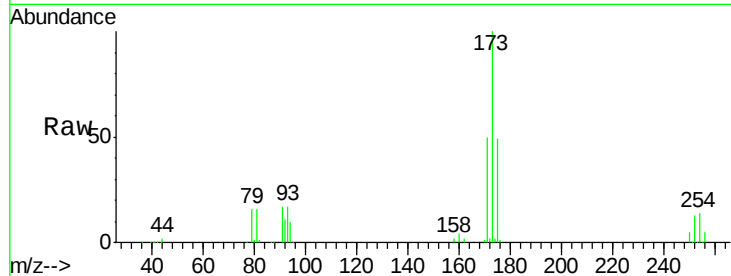
ClientSampleId :

VX0416WBSD01

Tot Ion:	173	Resp:	45137
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.5	73.5
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:45:08 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

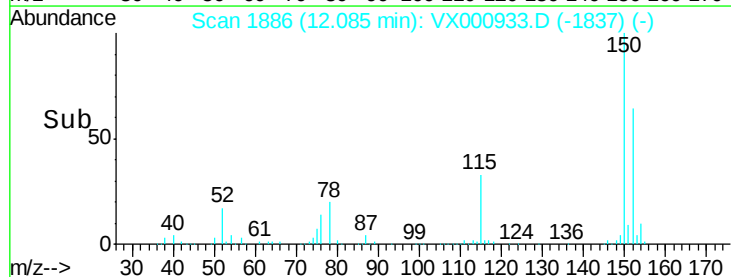
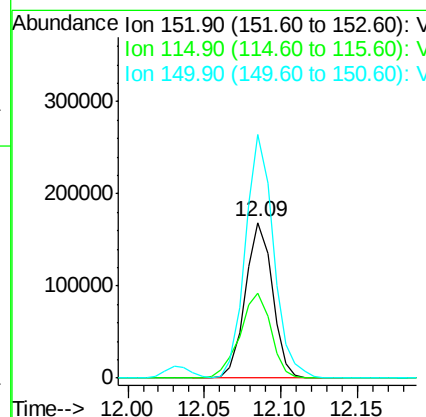
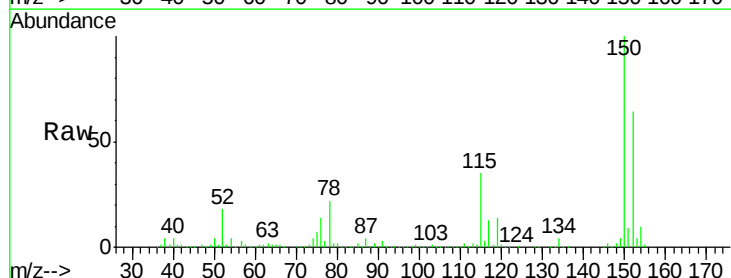
RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Tgt Ion:	152	Resp:	207415
Ion Ratio	Lower	Upper	
152	100		
115	62.3	37.9	113.7
150	163.4	0.0	348.0





#73

Isopropylbenzene

Concen: 21.22 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBSD01

Tot Ion:105 Resp: 279218

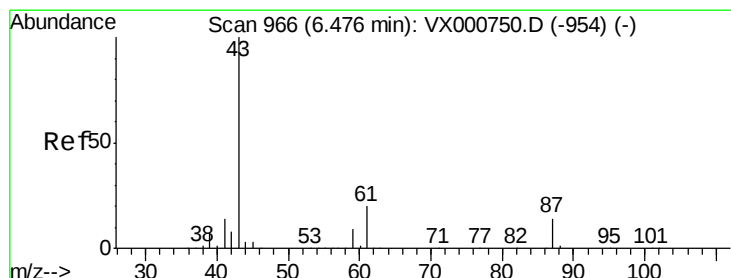
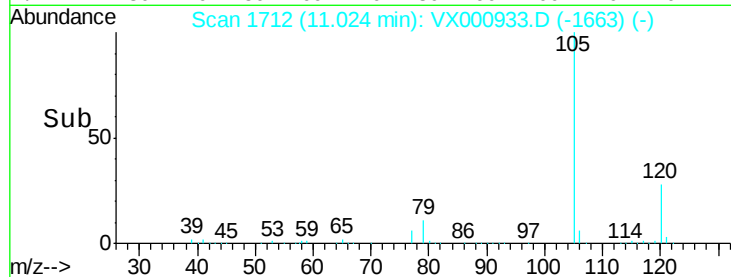
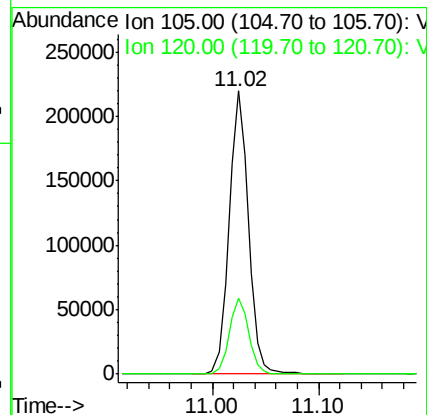
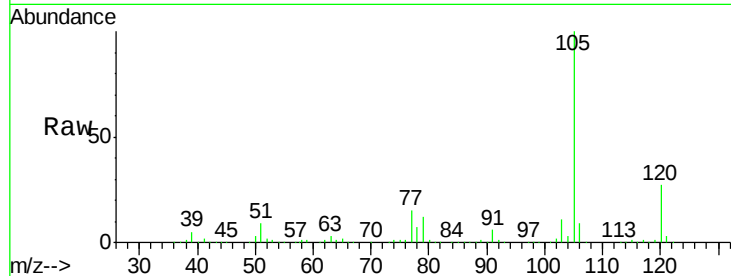
Ion Ratio Lower Upper

105 100

120 27.2 13.7 41.0

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:45:08 PM



#74

N-ethyl acetate

Concen: 20.33 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Tgt Ion: 43 Resp: 120441

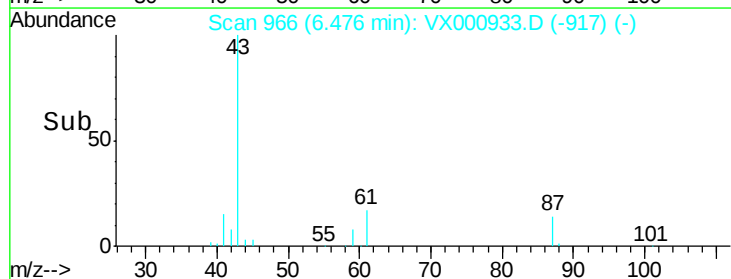
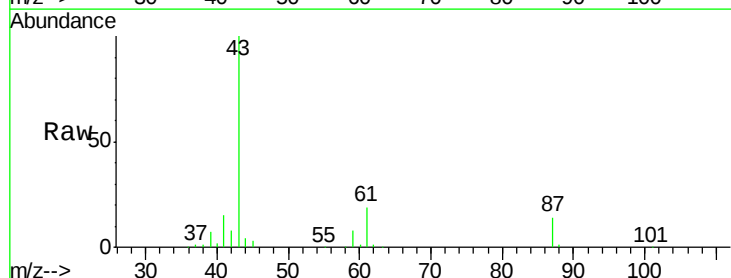
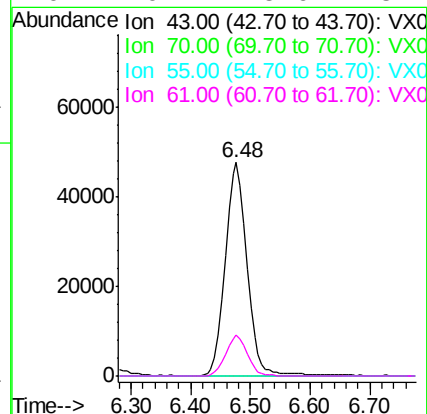
Ion Ratio Lower Upper

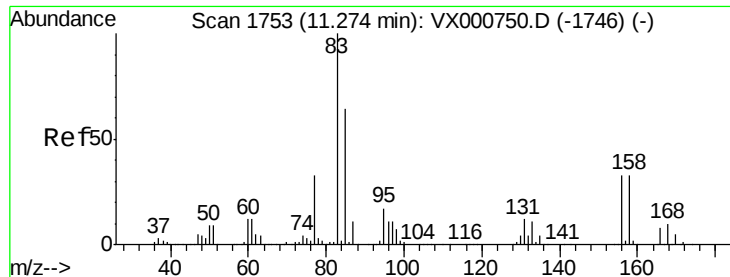
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 19.2 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.33 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

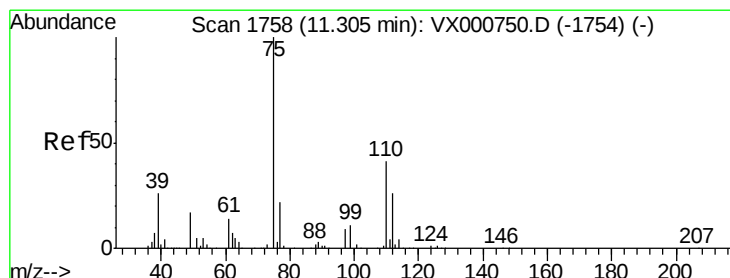
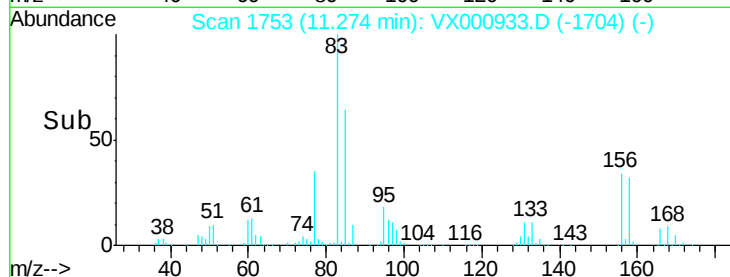
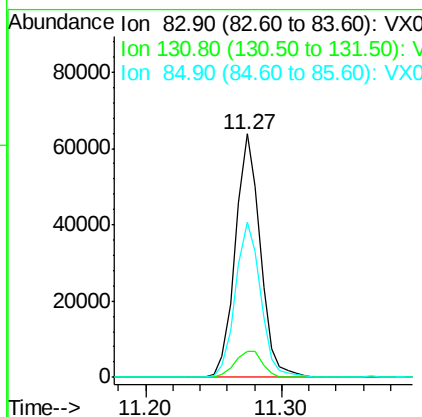
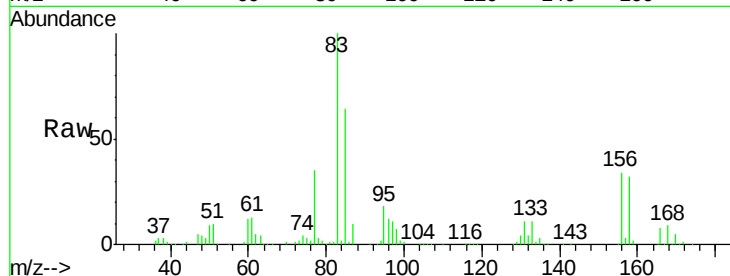
ClientSampleId :

VX0416WBSD01

Tot Ion:	83	Resp:	81462
Ion Ratio	Lower	Upper	
83	100		
131	11.9	6.0	18.0
85	64.6	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 20.57 ug/l m

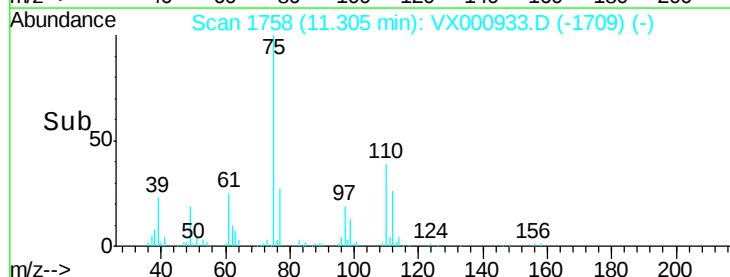
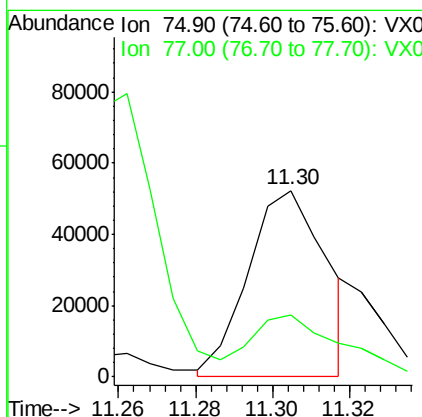
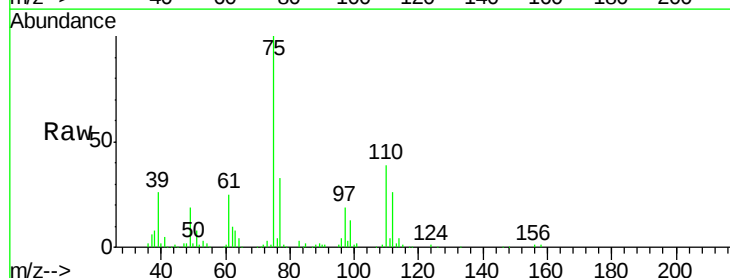
RT: 11.30 min Scan# 1758

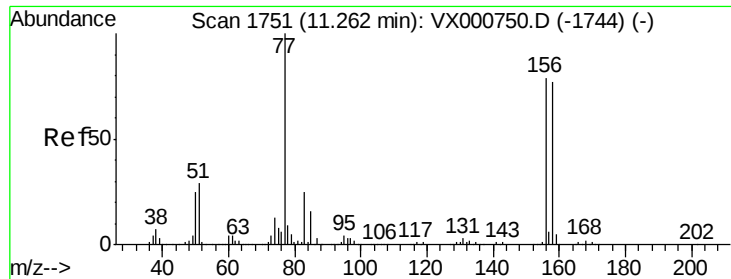
Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Tgt Ion:	75	Resp:	73564
Ion Ratio	Lower	Upper	
75	100		
77	39.0	20.5	61.5





#77

Bromobenzene

Concen: 21.28 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

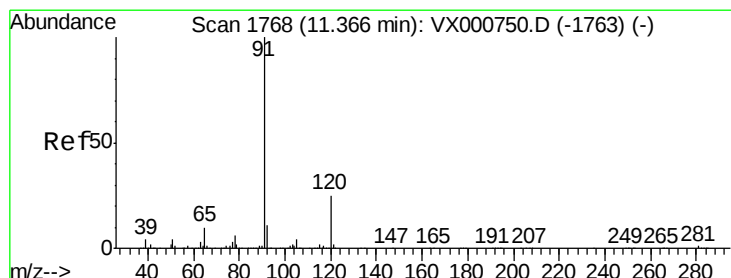
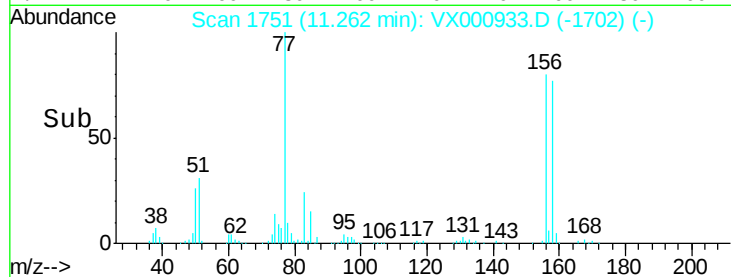
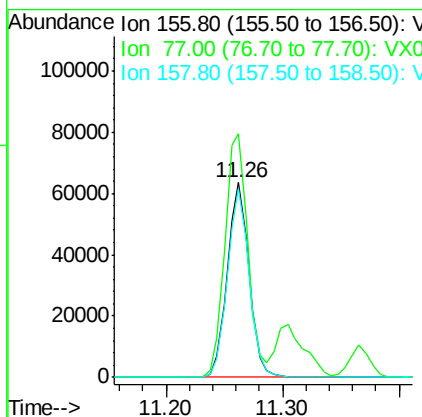
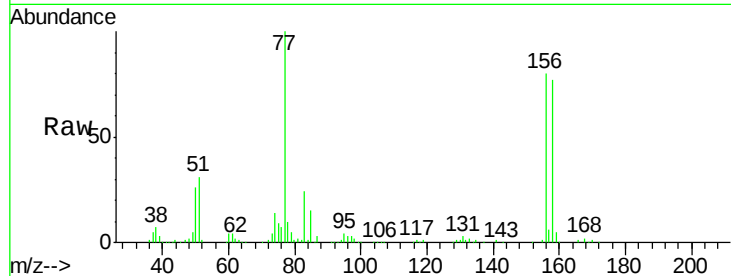
ClientSampleId :

VX0416WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	132.4	66.0	198.2
158	96.9	48.8	146.4

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#78

n-propylbenzene

Concen: 21.05 ug/l

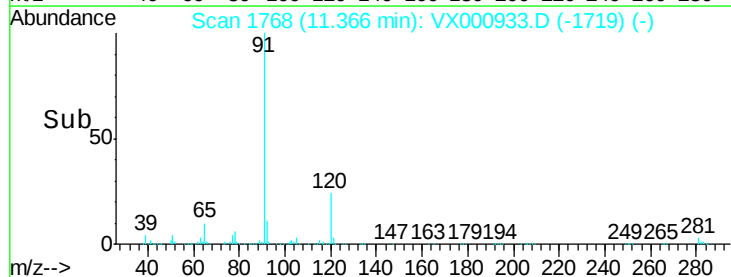
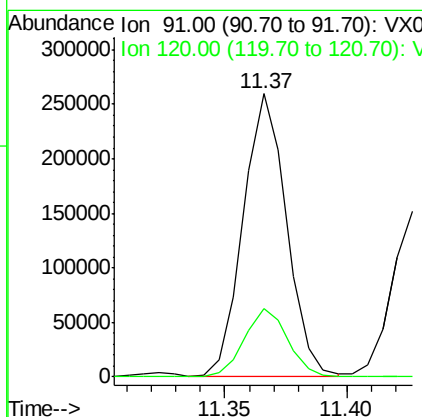
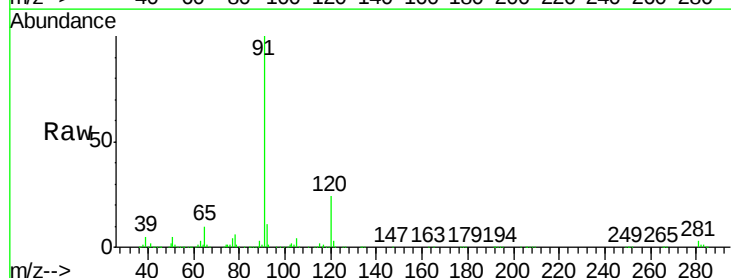
RT: 11.37 min Scan# 1768

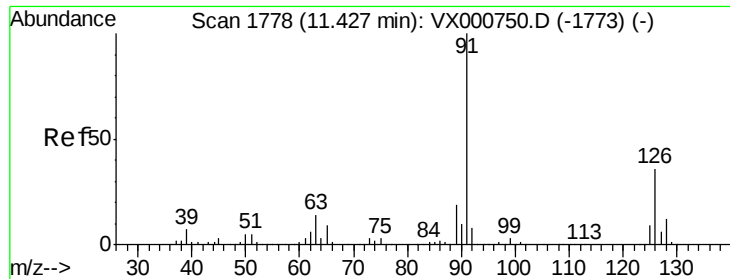
Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.6	37.6





#79

2-Chlorotoluene

Concen: 21.18 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBSD01

Tot Ion: 91 Resp: 188367

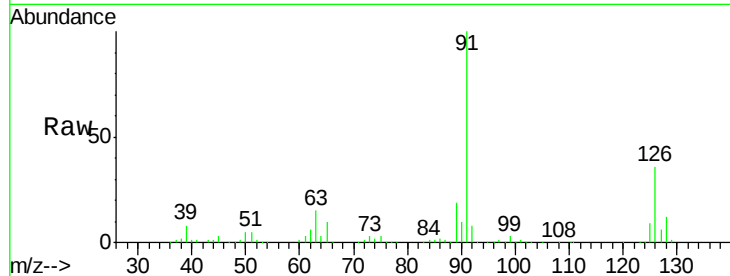
Ion Ratio Lower Upper

91 100

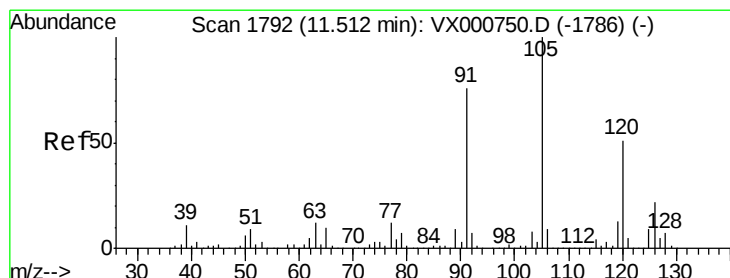
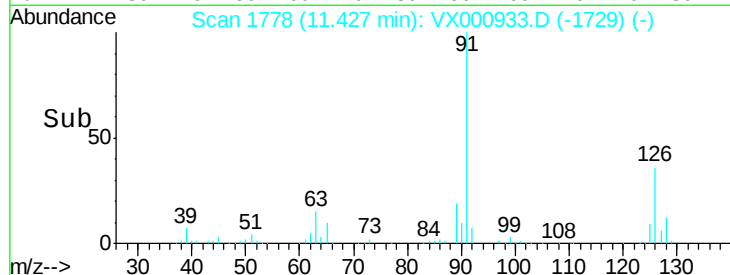
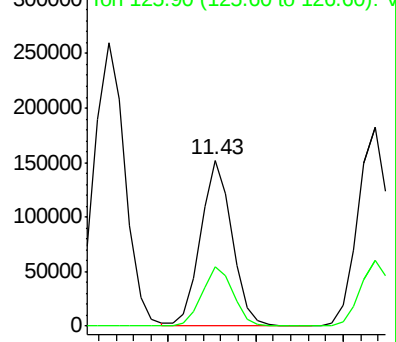
126 36.3 18.3 54.9

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Abundance Ion 91.00 (90.70 to 91.70): VX000933.D (-1729) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.87 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000933.D

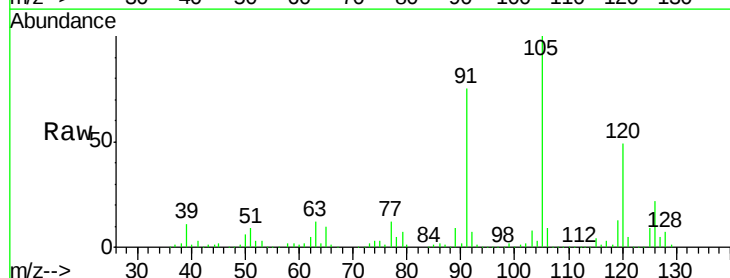
Acq: 16 Apr 2018 21:22

Tgt Ion: 105 Resp: 236179

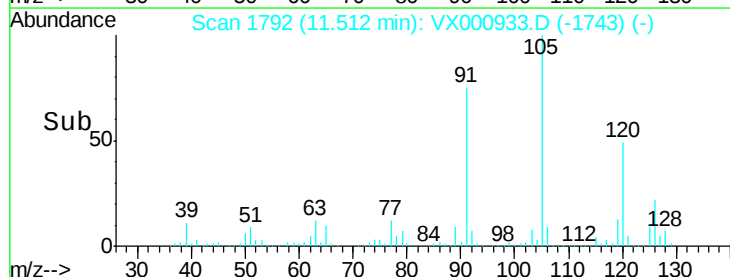
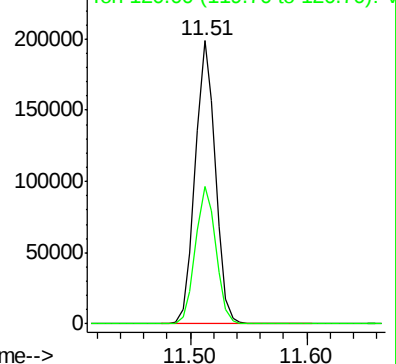
Ion Ratio Lower Upper

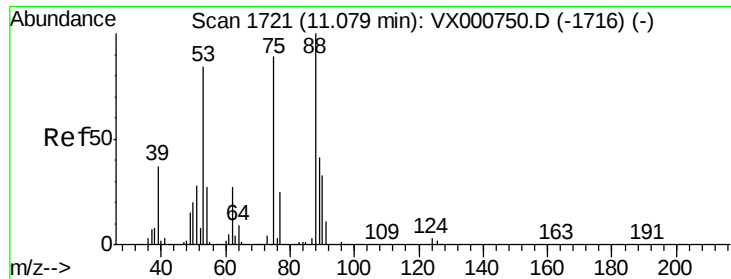
105 100

120 49.5 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VX000933.D (-1743) (-)





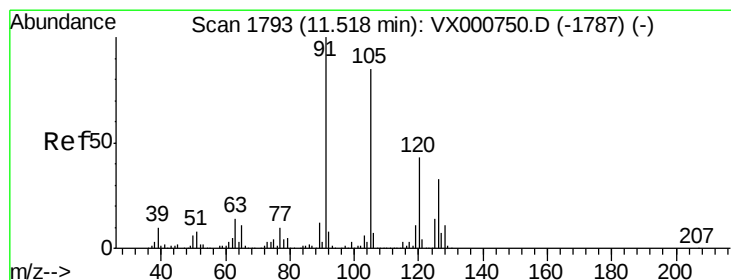
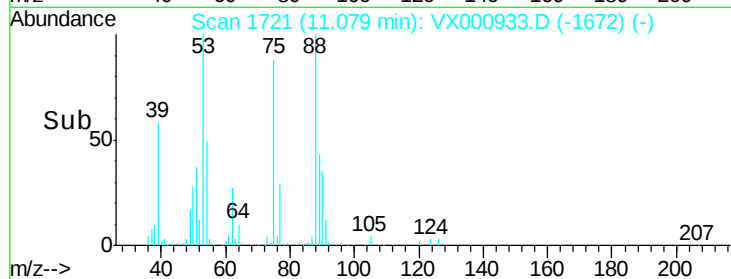
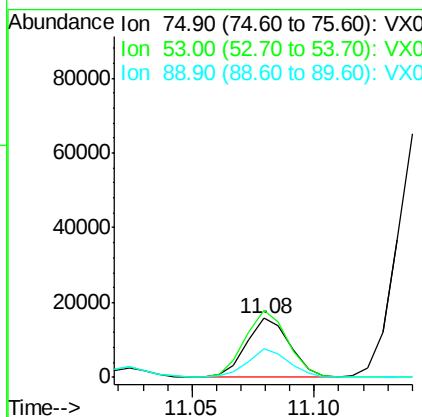
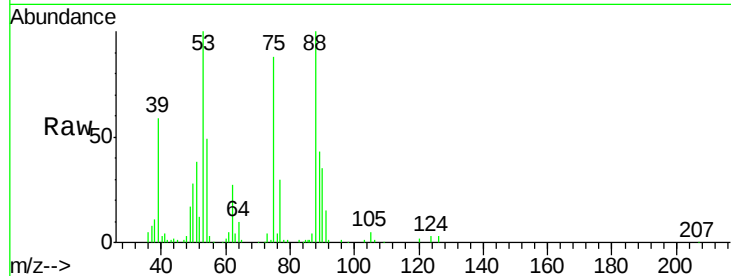
#81
trans-1,4-Dichloro-2-butene
Concen: 15.02 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Instrument :
MSVOA_X
ClientSampleId :
VX0416WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.9	75.4	113.0
89	46.8	40.9	61.3

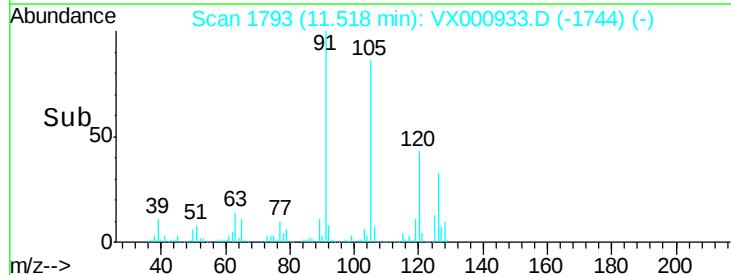
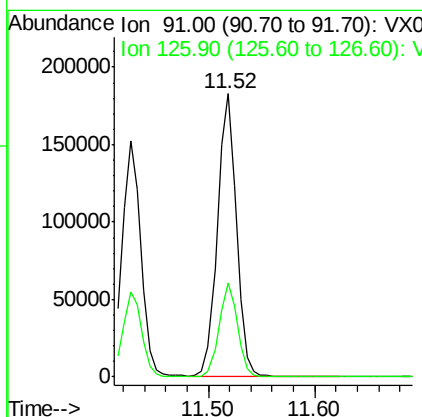
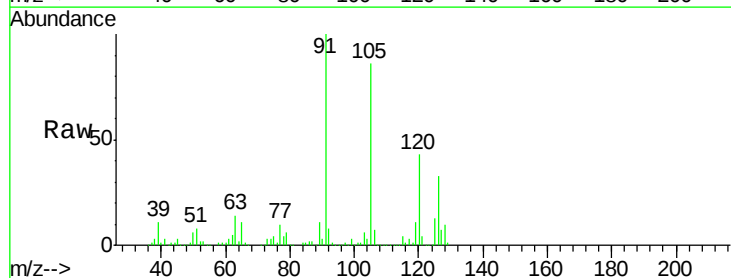
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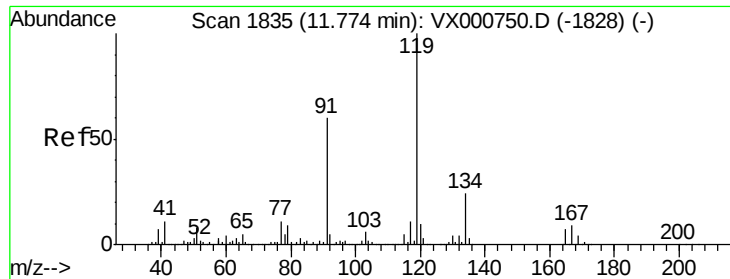
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#82
4-Chlorotoluene
Concen: 21.14 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.2	48.6





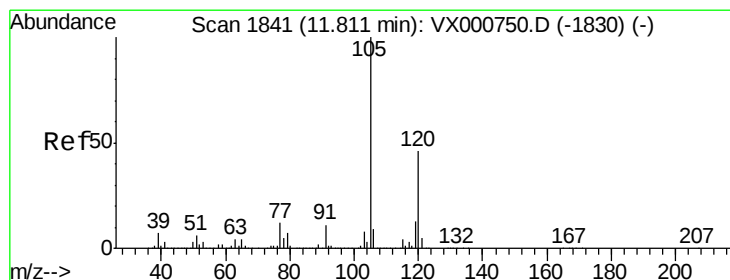
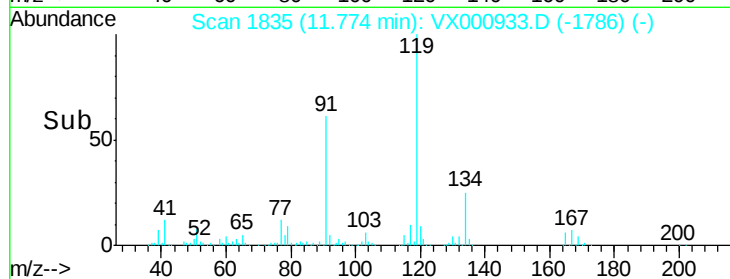
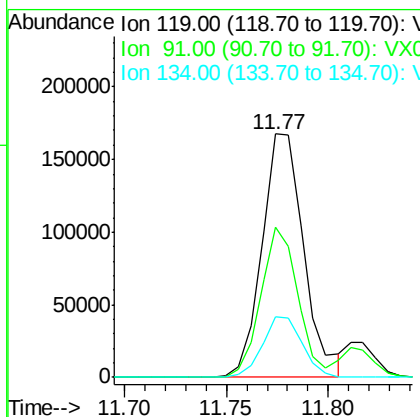
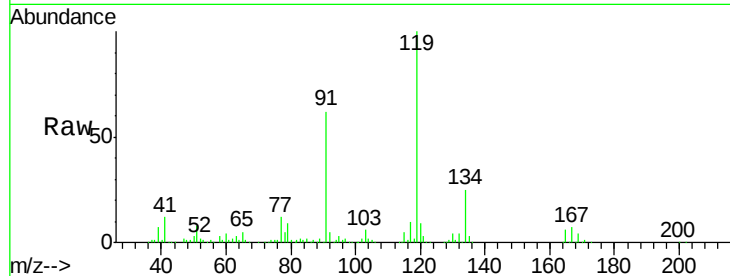
#83
tert-Butylbenzene
Concen: 20.71 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Instrument :
MSVOA_X
ClientSampleId :
VX0416WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	239764		
91	54.7	26.8	80.3	
134	23.7	11.5	34.4	

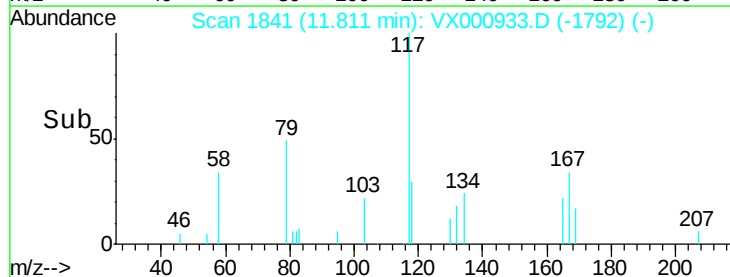
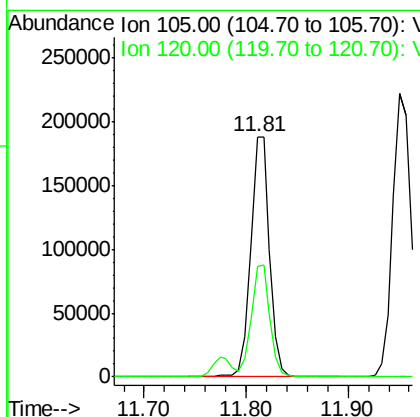
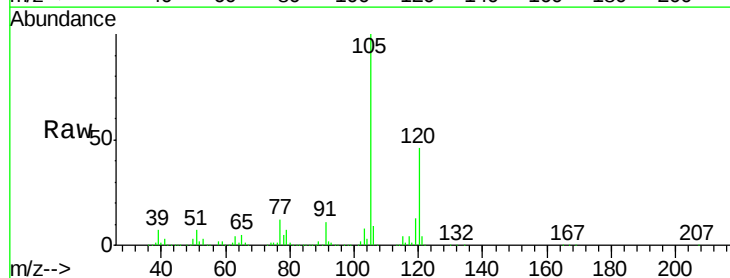
Manual Integrations
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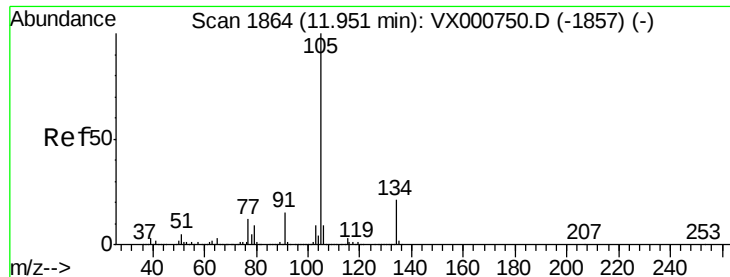
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.81 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	243151		
120	45.7	23.1	69.3	





#85

sec-Butylbenzene

Concen: 20.60 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBSD01

Tot Ion:105 Resp: 281358

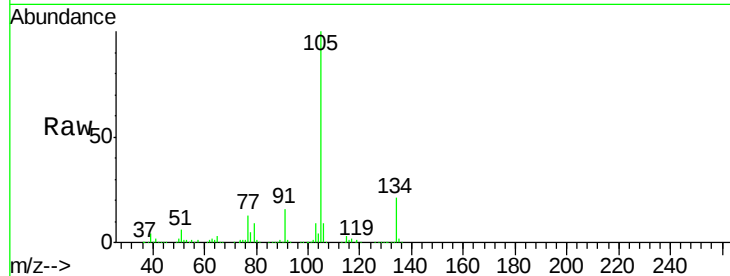
Ion Ratio Lower Upper

105 100

134 21.0 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

250000

200000

150000

100000

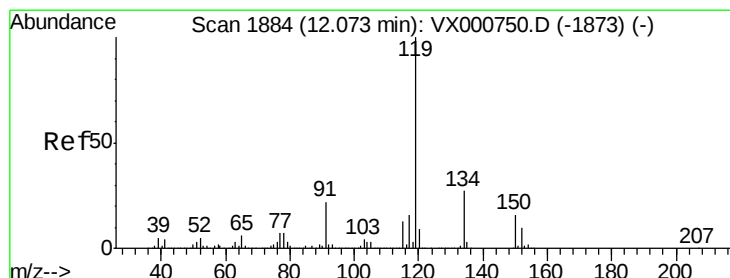
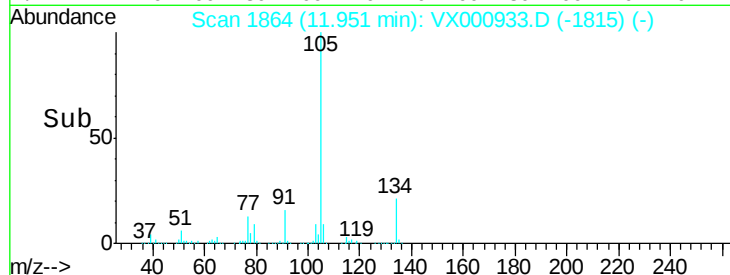
50000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 20.37 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

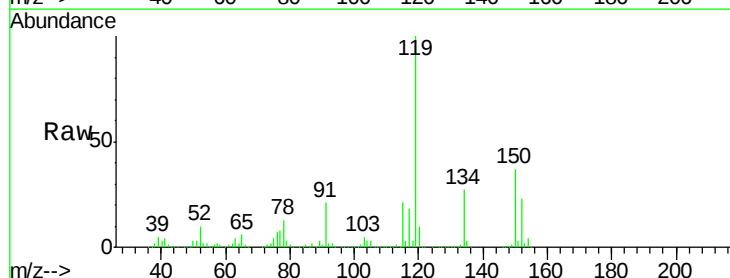
Tgt Ion:119 Resp: 259378

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.7

91 22.3 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): VX0

250000

200000

150000

100000

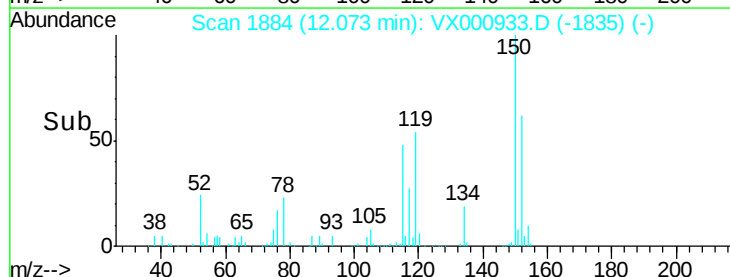
50000

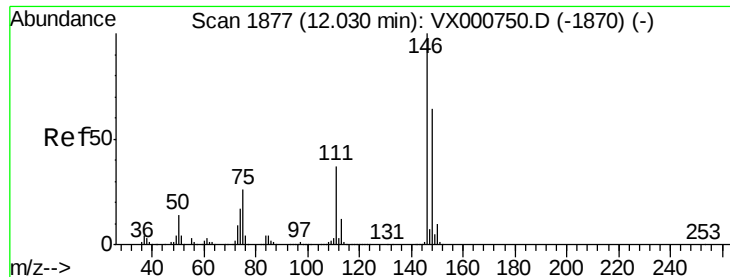
0

12.00

12.10

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.18 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

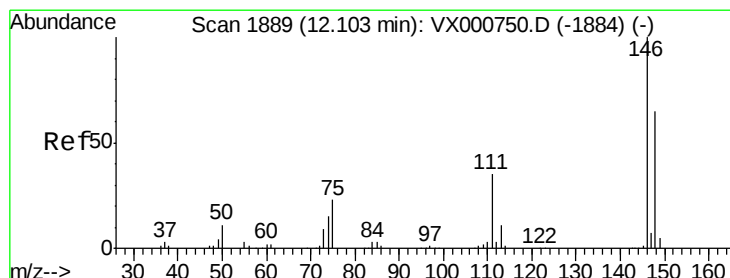
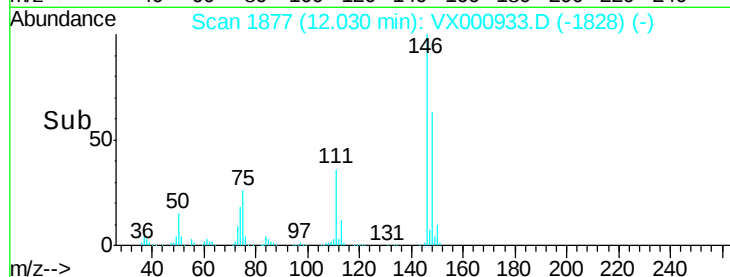
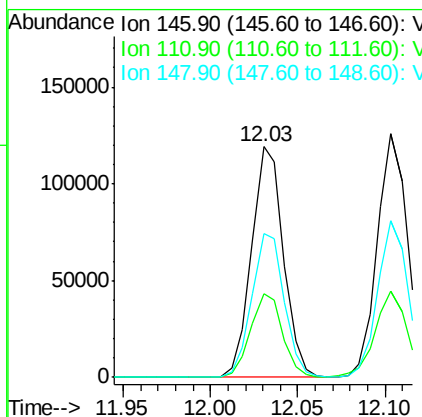
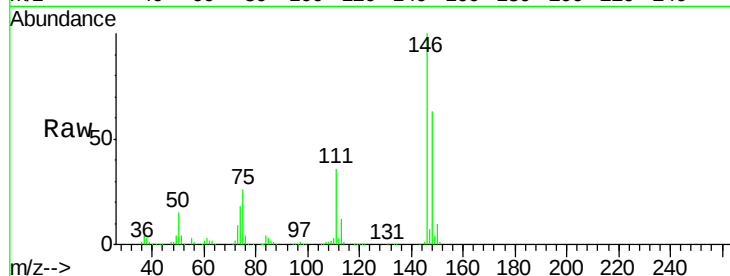
ClientSampleId :

VX0416WBSD01

Tot Ion:	146	Resp:	151178
Ion Ratio	Lower	Upper	
146	100		
111	36.5	18.3	54.8
148	63.7	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.94 ug/l

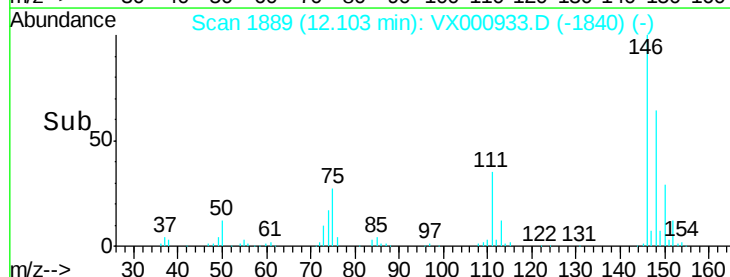
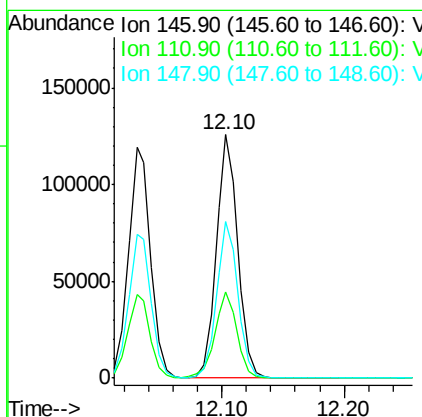
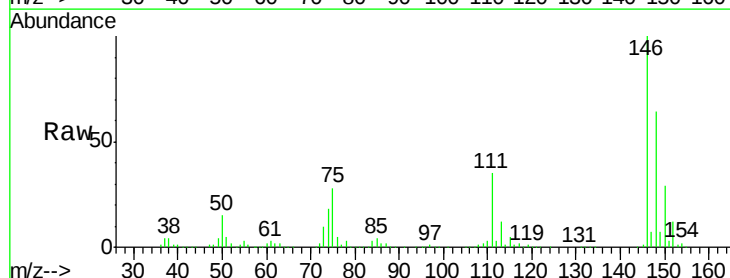
RT: 12.10 min Scan# 1889

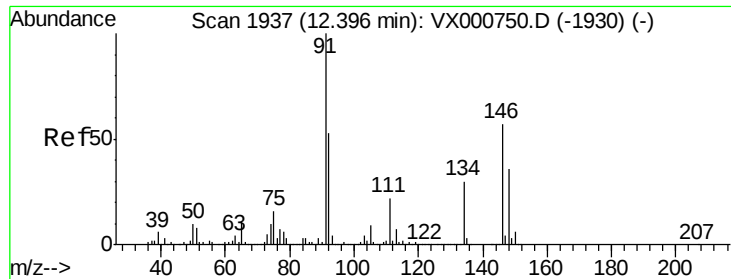
Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Tgt Ion:	146	Resp:	153170
Ion Ratio	Lower	Upper	
146	100		
111	36.6	17.9	53.8
148	64.2	32.6	97.7





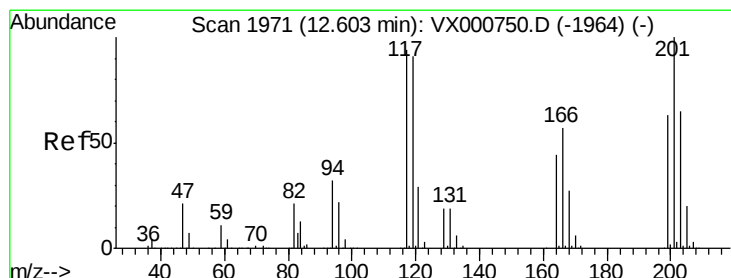
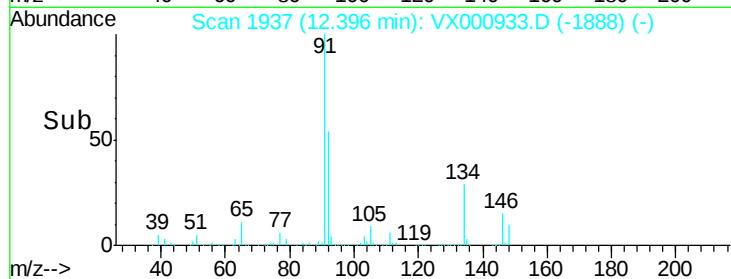
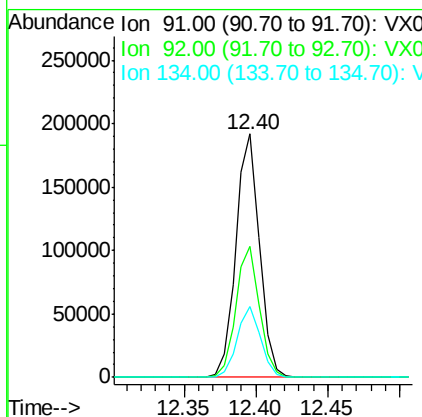
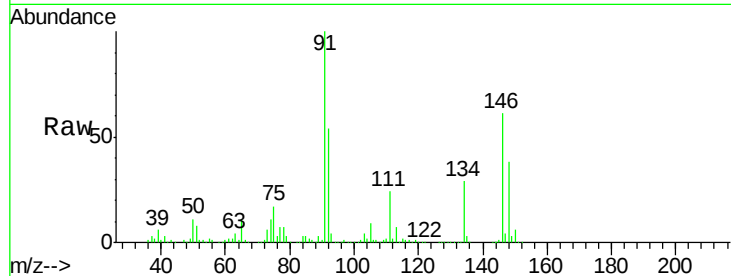
#89
n-Butylbenzene
Concen: 19.56 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Instrument :
MSVOA_X
ClientSampleId :
VX0416WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.5	79.5
134	28.8	14.5	43.5

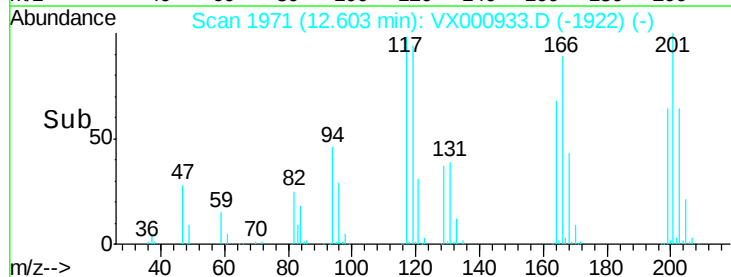
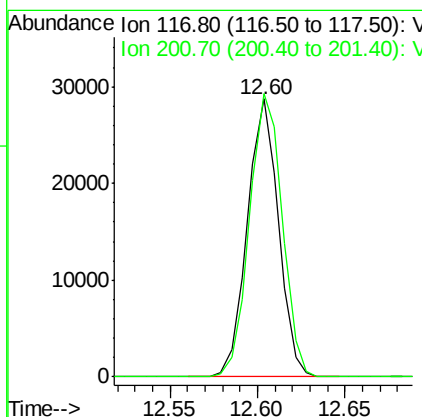
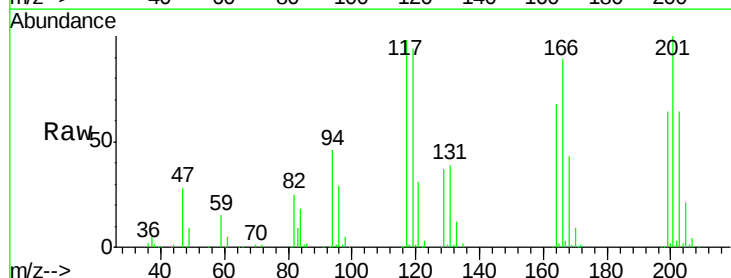
Manual Integrations
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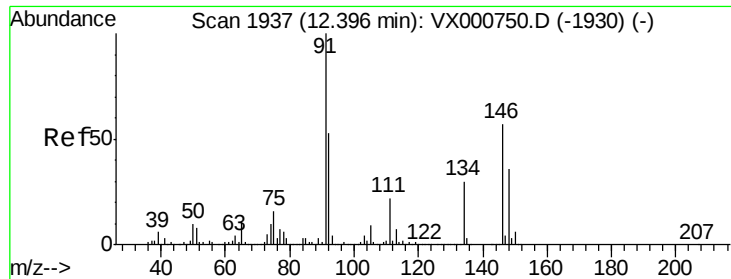
MMDadoda
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#90
Hexachloroethane
Concen: 16.48 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000933.D
Acq: 16 Apr 2018 21:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	107.1	52.9	158.7





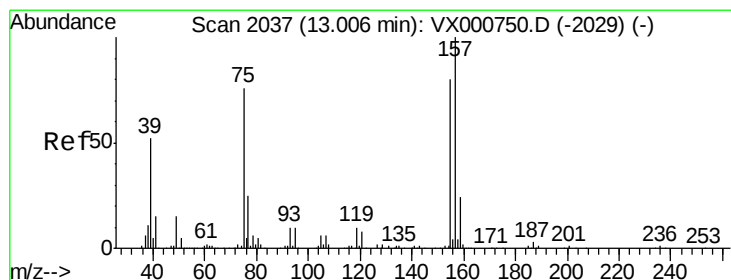
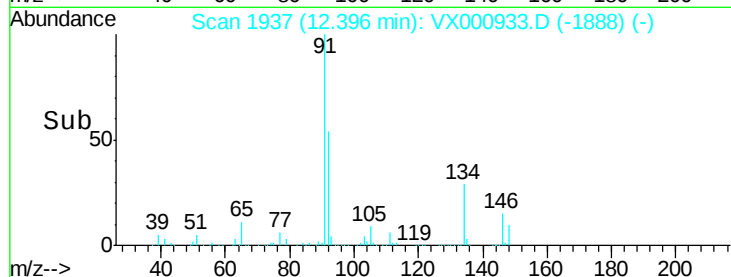
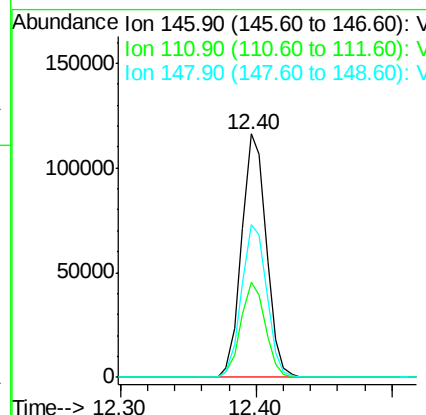
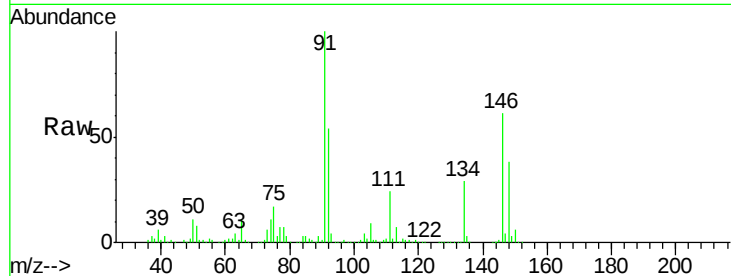
#91
 1,2-Dichlorobenzene
 Concen: 21.34 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.9	56.7
148	63.9	32.0	96.2

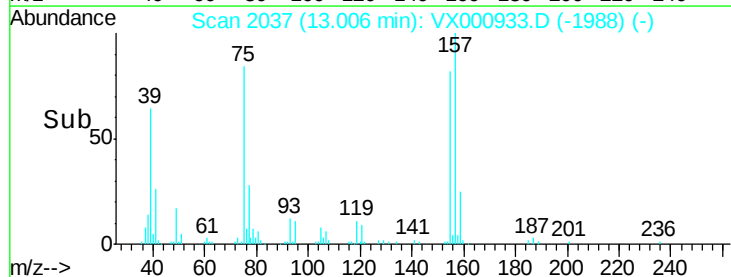
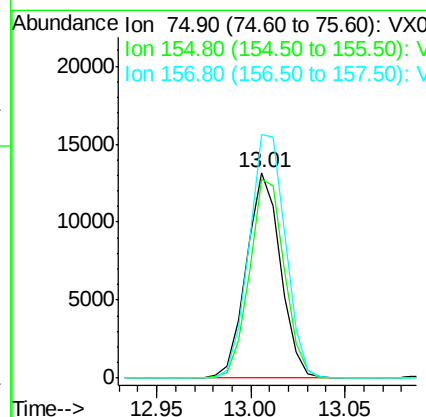
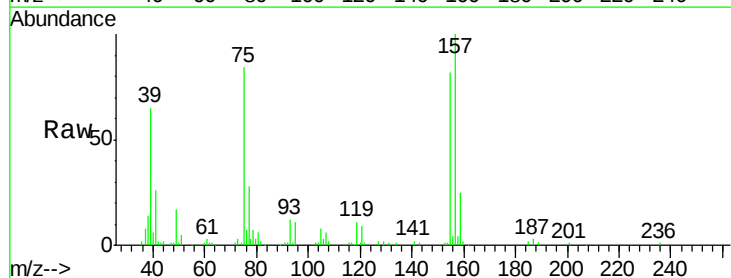
Manual Integrations
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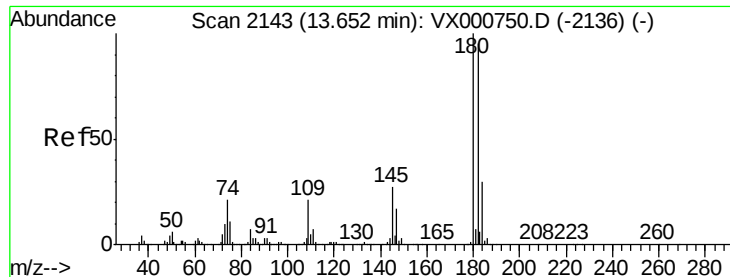
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.28 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.5	51.9	155.8
157	126.4	66.6	199.8





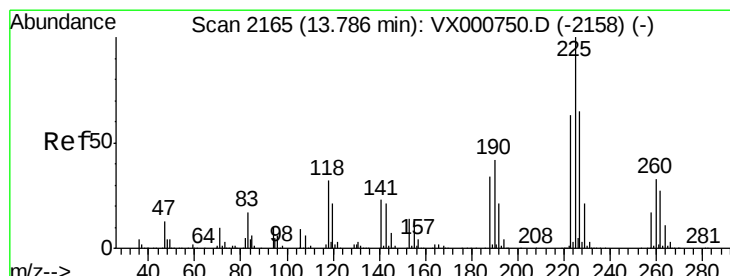
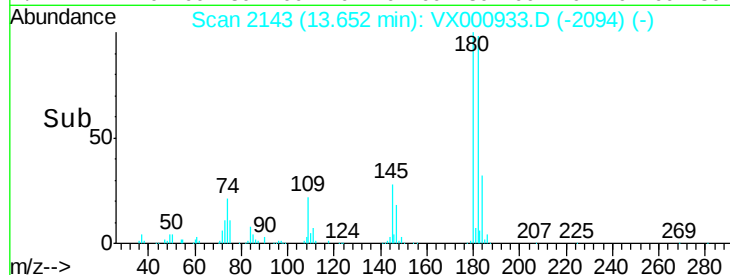
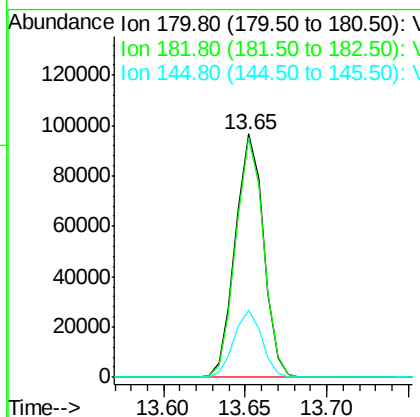
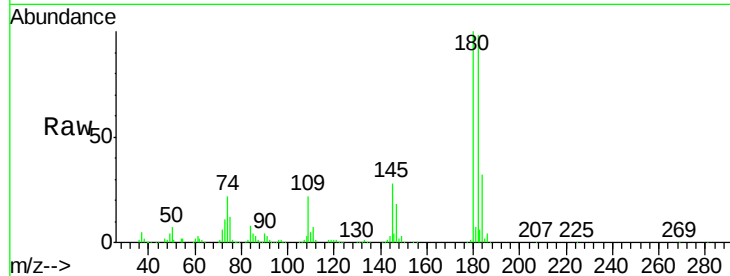
#93
 1,2,4-Trichlorobenzene
 Concen: 19.89 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116943		
182	97.3	47.5	142.5	
145	27.3	13.8	41.4	

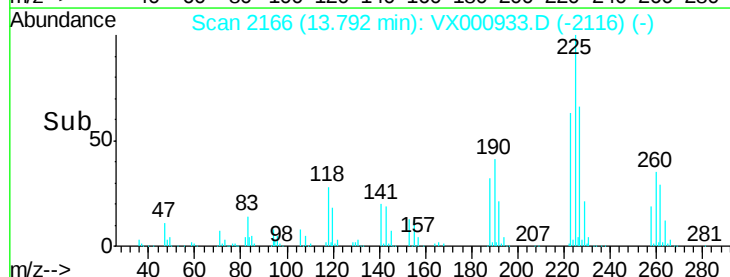
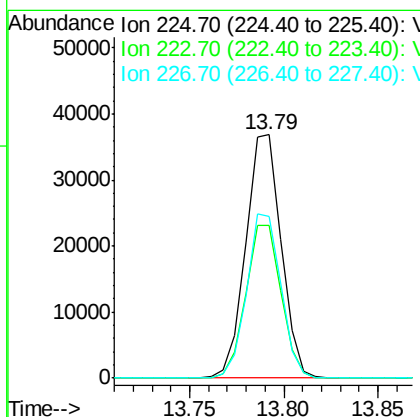
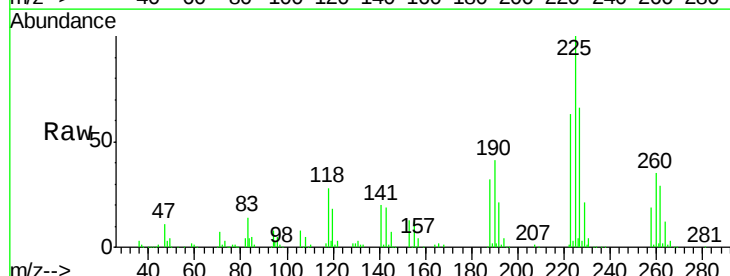
Manual Integrations
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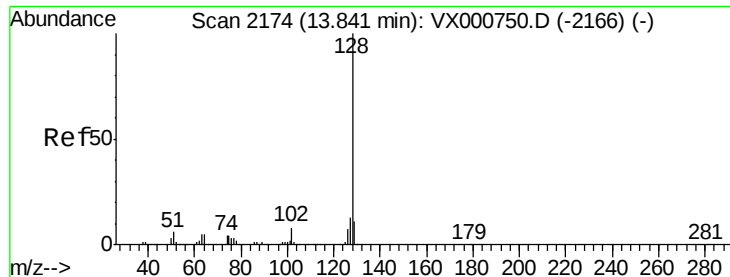
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#94
 Hexachlorobutadiene
 Concen: 16.62 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VX000933.D
 Acq: 16 Apr 2018 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48059		
223	62.8	31.2	93.6	
227	65.1	32.3	96.9	





#95

Naphthalene

Concen: 20.61 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Instrument :

MSVOA_X

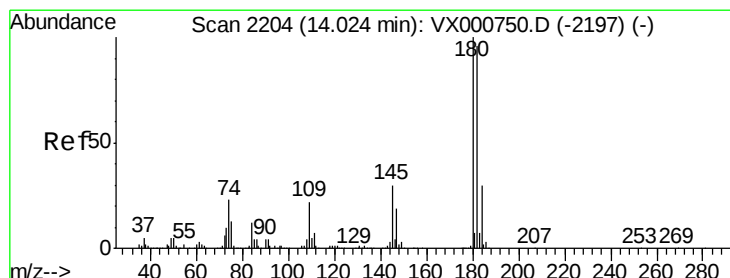
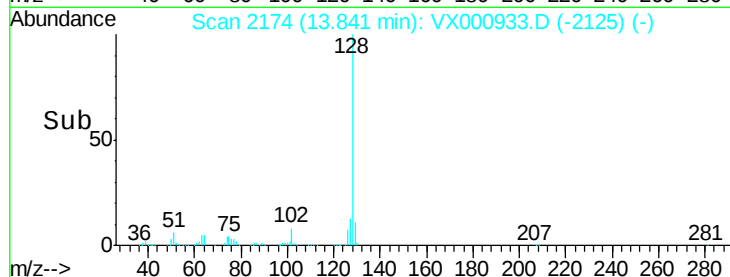
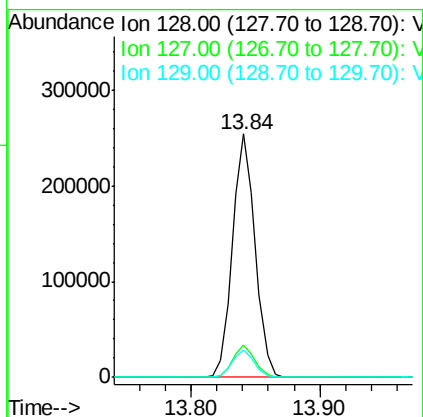
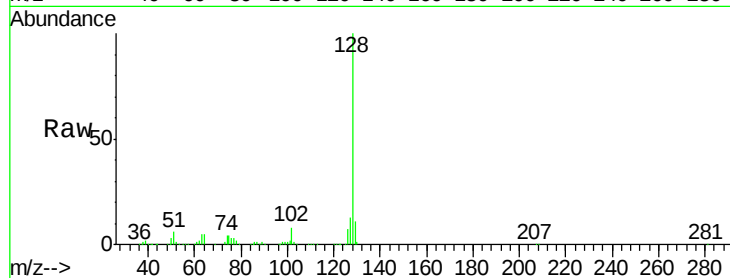
ClientSampleId :

VX0416WBSD01

Tot Ion:	128	Resp:	311047
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.55 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX000933.D

Acq: 16 Apr 2018 21:22

Tgt Ion:	180	Resp:	117364
Ion Ratio		Lower	Upper
180	100		
182	94.5	48.4	145.2
145	28.7	14.6	43.8

