

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050418\
 Data File : VX001404.D
 Acq On : 04 May 2018 18:32
 Operator : JC/MD
 Sample : VX0504WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2018 7:28:03 PM

Quant Time: May 05 06:39:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	295747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	390603	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	362068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	227499	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	186604	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
35) Dibromofluoromethane	5.51	113	160001	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
50) Toluene-d8	8.72	98	589800	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	11.15	95	207896	43.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	32701	9.995	ug/l	99
3) Chloromethane	1.32	50	31961	9.951	ug/l	100
4) Vinyl Chloride	1.40	62	34789	10.290	ug/l	99
5) Bromomethane	1.64	94	28589	10.065	ug/l	99
6) Chloroethane	1.72	64	24519	11.472	ug/l	99
7) Trichlorofluoromethane	1.93	101	62140	10.890	ug/l	99
8) Diethyl Ether	2.19	74	22761	11.617	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34893	10.605	ug/l	98
10) Methyl Iodide	2.51	142	47279	16.373	ug/l	100
11) Tert butyl alcohol	3.09	59	52489	74.522	ug/l	98
12) 1,1-Dichloroethene	2.37	96	31272	10.541	ug/l	97
13) Acrolein	2.29	56	12776	31.503	ug/l	95
14) Allyl chloride	2.73	41	58920	11.352	ug/l	100
15) Acrylonitrile	3.15	53	108921	66.722	ug/l	99
16) Acetone	2.45	43	106984	61.221	ug/l	100
17) Carbon Disulfide	2.57	76	65069	8.419	ug/l	99
18) Methyl Acetate	2.78	43	62392	15.117	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	118449	11.722	ug/l	99
20) Methylene Chloride	2.86	84	37573	10.663	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	33354	10.329	ug/l	100
22) Diisopropyl ether	3.89	45	117740	11.778	ug/l	98
23) Vinyl Acetate	3.83	43	515362	60.839	ug/l	99
24) 1,1-Dichloroethane	3.70	63	66769	11.991	ug/l	99
25) 2-Butanone	4.73	43	147388	62.378	ug/l	99
26) 2,2-Dichloropropane	4.59	77	42204	9.314	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	36479	10.279	ug/l	95
28) Bromochloromethane	5.03	49	30937	12.359	ug/l	99
29) Tetrahydrofuran	5.18	42	91998	63.308	ug/l	98
30) Chloroform	5.22	83	63447	10.780	ug/l	98
31) Cyclohexane	5.58	56	44913	8.931	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	52571	10.219	ug/l	99
36) 1,1-Dichloropropene	5.81	75	42504	9.428	ug/l	99
37) Ethyl Acetate	4.89	43	53066	11.658	ug/l	98
38) Carbon Tetrachloride	5.79	117	47586	10.075	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	47492	8.907	ug/l	98
40) Benzene	6.15	78	133325	10.281	ug/l	99
41) Methacrylonitrile	5.08	41	29564	11.151	ug/l	97
42) 1,2-Dichloroethane	6.21	62	51311	10.219	ug/l	99
43) Isopropyl Acetate	6.48	43	81624	11.075	ug/l	99
44) Trichloroethene	7.22	130	42205	10.632	ug/l	96
45) 1,2-Dichloropropane	7.52	63	35806	10.751	ug/l	100
46) Dibromomethane	7.67	93	24668	10.567	ug/l	98
47) Bromodichloromethane	7.91	83	43041	10.312	ug/l	98
48) Methyl methacrylate	7.79	41	43457	11.093	ug/l	99
49) 1,4-Dioxane	7.77	88	19985	270.318	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	296619	62.430	ug/l	99
52) Toluene	8.79	92	88019	10.383	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	47873	9.644	ug/l	93
54) cis-1,3-Dichloropropene	9.05	75	44056	9.647	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	37897	11.067	ug/l	97
56) Ethyl methacrylate	9.19	69	52695	11.106	ug/l	96
57) 1,3-Dichloropropane	9.38	76	59438	10.791	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	131068	57.256	ug/l	99
59) 2-Hexanone	9.51	43	229655	61.844	ug/l	99
60) Dibromochloromethane	9.59	129	37240	10.425	ug/l	97
61) 1,2-Dibromoethane	9.68	107	39631	10.920	ug/l	100
64) Tetrachloroethene	9.34	164	52735	12.294	ug/l	97
65) Chlorobenzene	10.15	112	103598	10.521	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	37678	11.023	ug/l	97
67) Ethyl Benzene	10.26	91	164986	10.168	ug/l	99
68) m/p-Xylenes	10.37	106	129450	20.274	ug/l	98
69) o-Xylene	10.71	106	64568	10.427	ug/l	98
70) Styrene	10.72	104	104436	10.312	ug/l	99
71) Bromoform	10.87	173	29609	12.188	ug/l #	99
73) Isopropylbenzene	11.02	105	171191	11.248	ug/l	100
74) N-amyl acetate	6.48	43	81624	12.502	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	54324	11.914	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	53183m	12.642	ug/l	
77) Bromobenzene	11.26	156	51718	11.782	ug/l	97
78) n-propylbenzene	11.37	91	188871	11.167	ug/l	100
79) 2-Chlorotoluene	11.43	91	116373	11.403	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	144674	11.319	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	12074	12.823	ug/l	92
82) 4-Chlorotoluene	11.52	91	136140	11.090	ug/l	100
83) tert-Butylbenzene	11.78	119	143369	11.249	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	151026	11.531	ug/l	99
85) sec-Butylbenzene	11.95	105	173588	11.384	ug/l	100
86) p-Isopropyltoluene	12.07	119	159629	11.412	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	89868	10.964	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	91146	10.787	ug/l	98
89) n-Butylbenzene	12.40	91	127060	10.407	ug/l	100
90) Hexachloroethane	12.60	117	22023	10.872	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	94184	11.547	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	12111	13.142	ug/l	94

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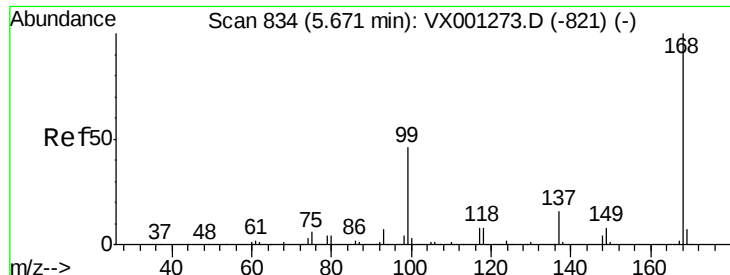
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	67867	10.342	ug/l	99
94) Hexachlorobutadiene	13.79	225	37151	10.821	ug/l	99
95) Naphthalene	13.84	128	202024	12.135	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	72221	11.211	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion:168 Resp: 295747

Ion Ratio Lower Upper

168 100

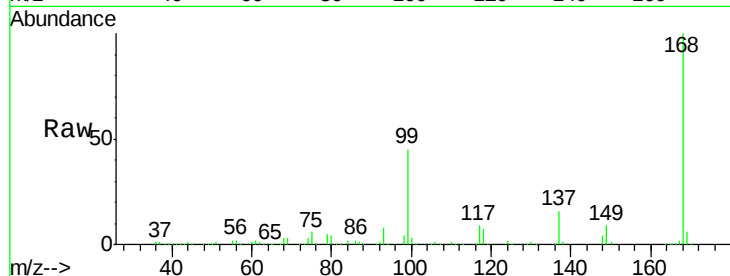
99 45.3 36.5 54.7

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

120000

100000

80000

60000

40000

20000

0

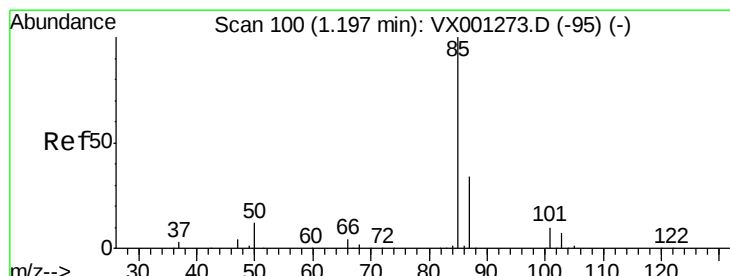
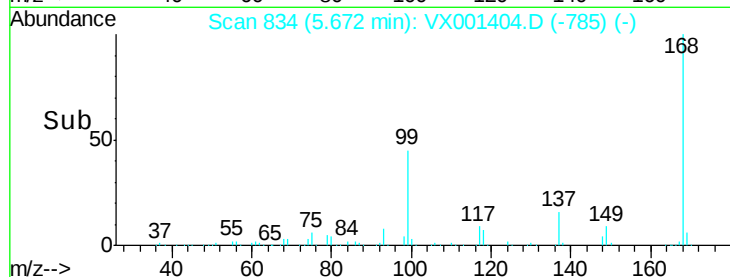
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 9.995 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001404.D

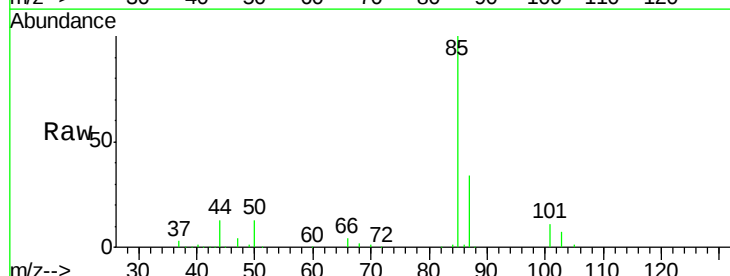
Acq: 04 May 2018 18:32

Tgt Ion: 85 Resp: 32701

Ion Ratio Lower Upper

85 100

87 34.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

30000

20000

10000

0

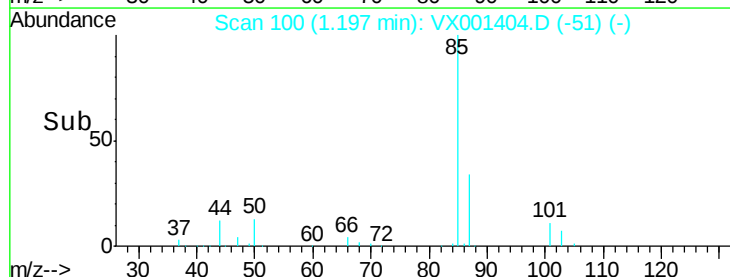
1.15

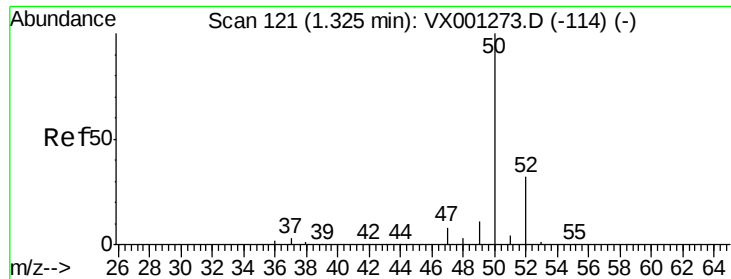
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 9.951 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion: 50 Resp: 31961

Ion Ratio Lower Upper

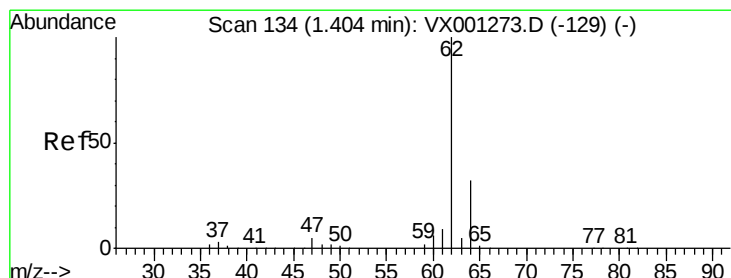
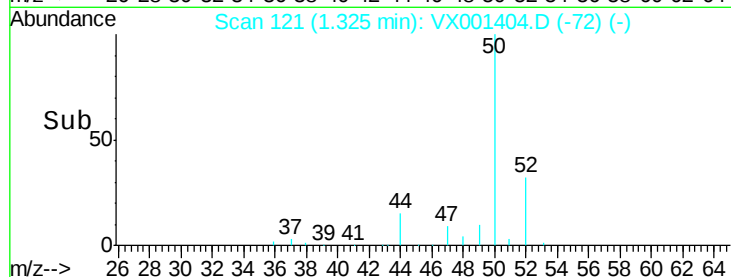
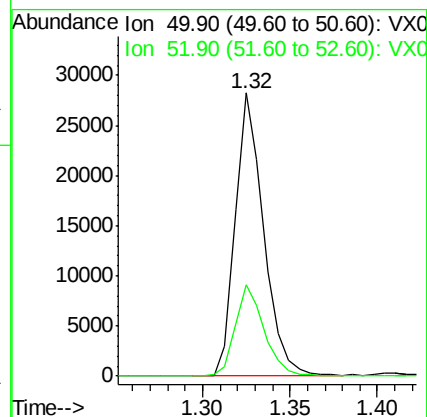
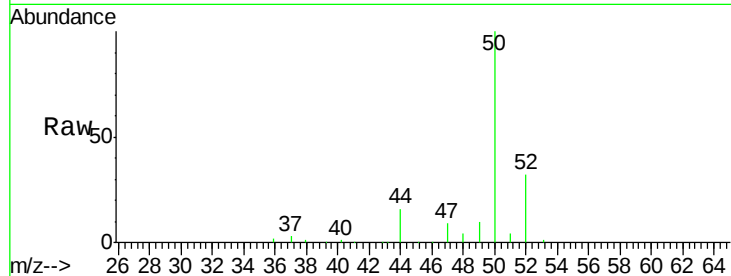
50 100

52 32.3 25.7 38.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 10.290 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001404.D

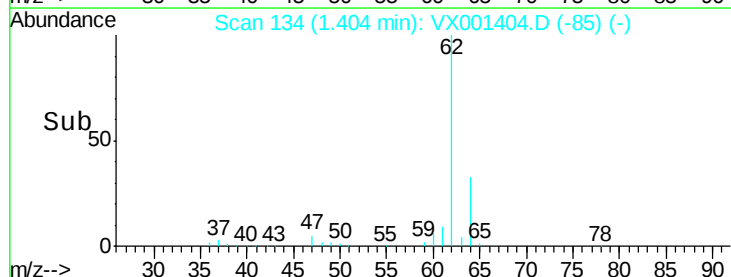
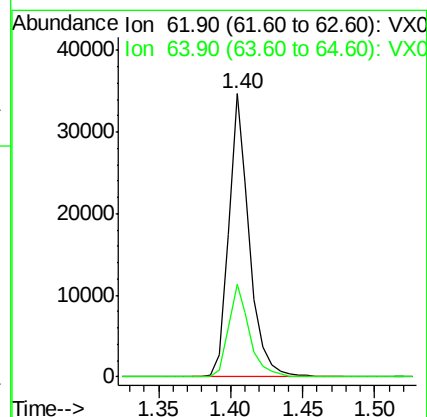
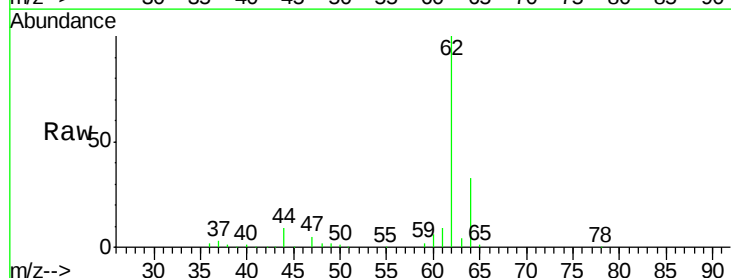
Acq: 04 May 2018 18:32

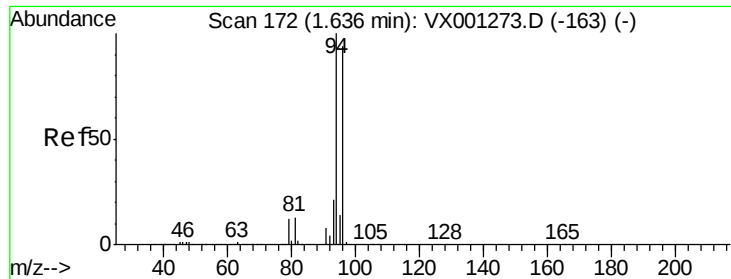
Tgt Ion: 62 Resp: 34789

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2





#5

Bromomethane

Concen: 10.065 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion: 94 Resp: 28589

Ion Ratio Lower Upper

94 100

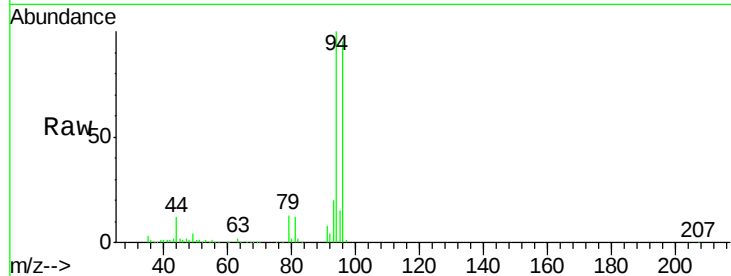
96 95.0 75.6 113.4

Manual Integrations

APPROVED

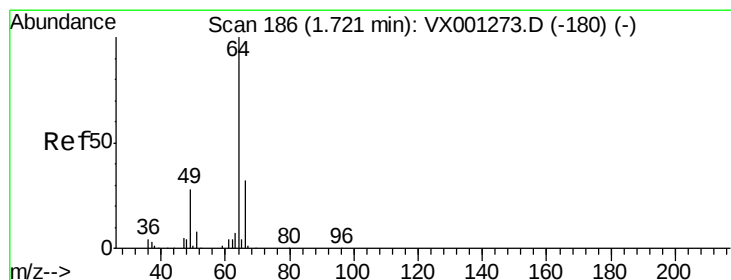
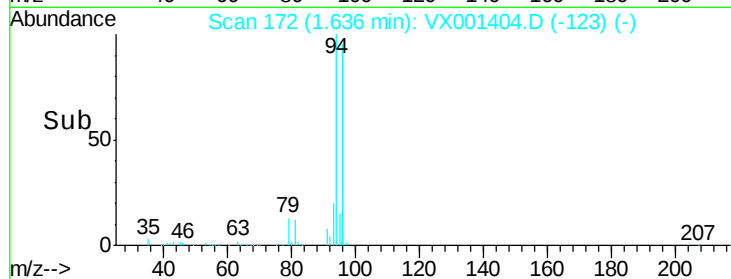
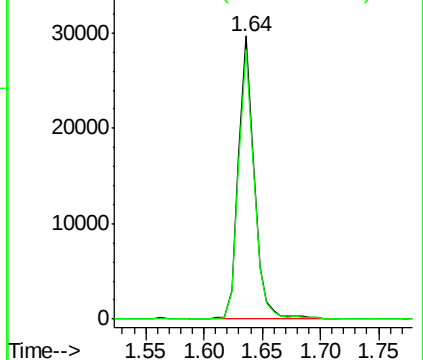
MMDadoda

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 11.472 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001404.D

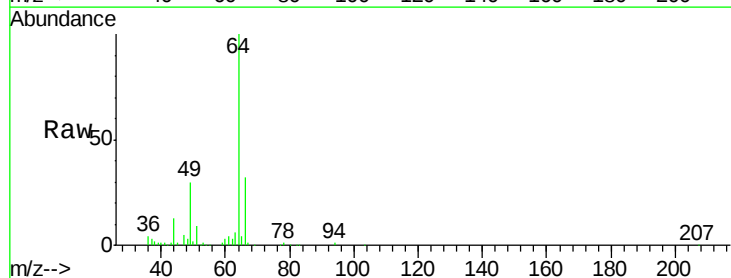
Acq: 04 May 2018 18:32

Tgt Ion: 64 Resp: 24519

Ion Ratio Lower Upper

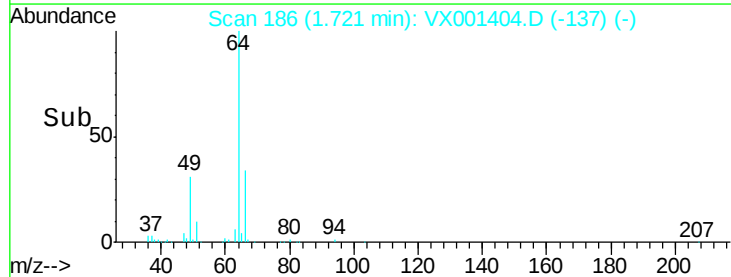
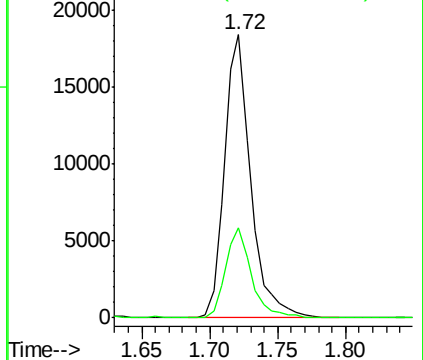
64 100

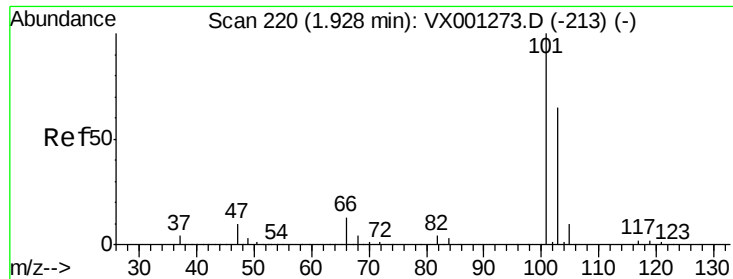
66 31.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

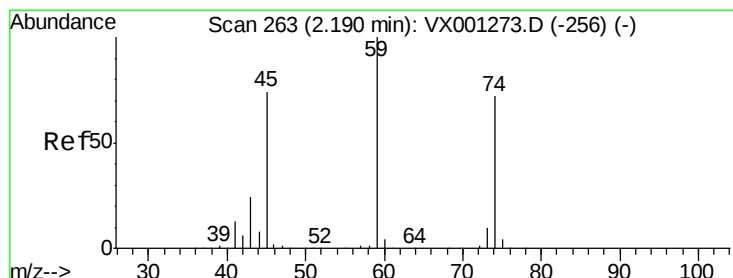
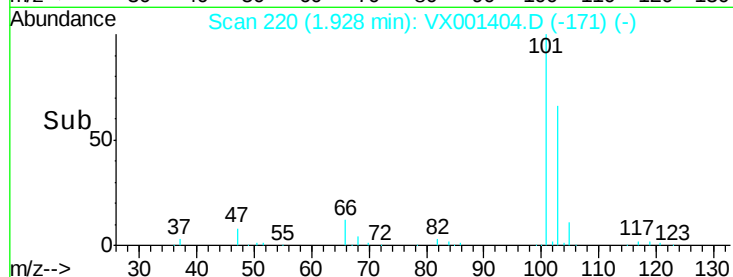
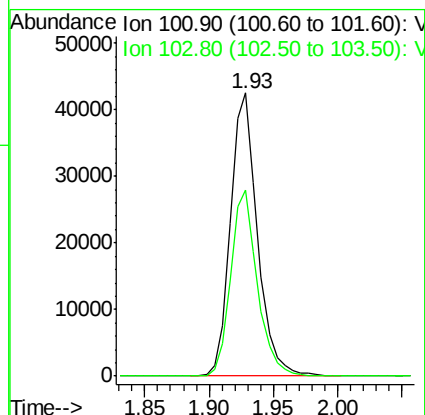
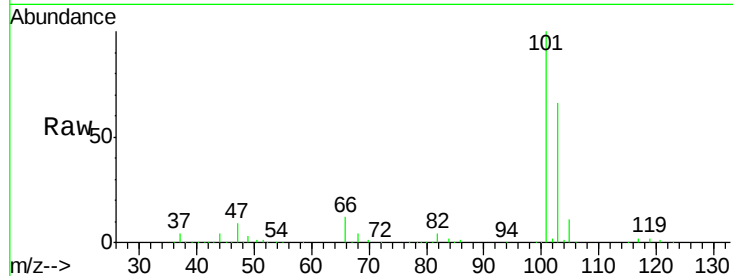
Trichlorofluoromethane
 Concen: 10.890 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

Tot Ion:101 Resp: 62140
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.8 77.8

Manual Integrations
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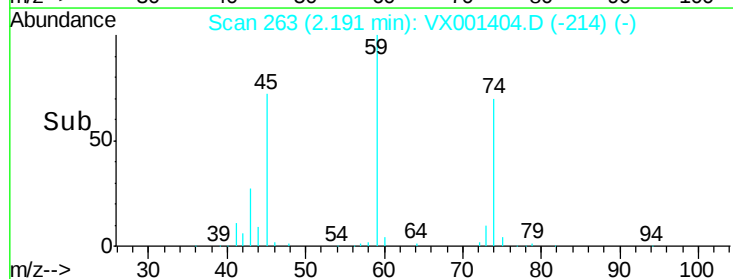
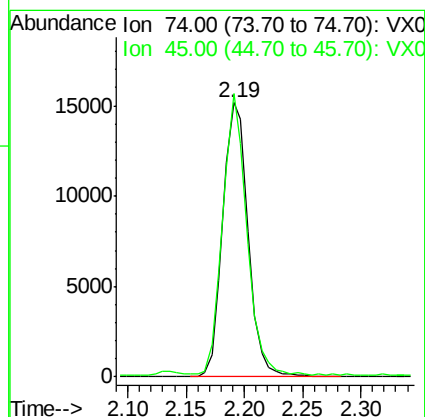
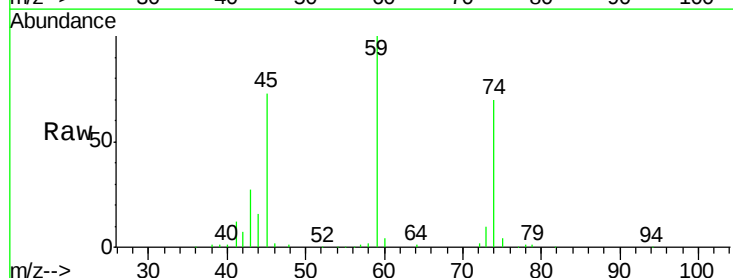
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 5/7/2018 7:28:03 PM

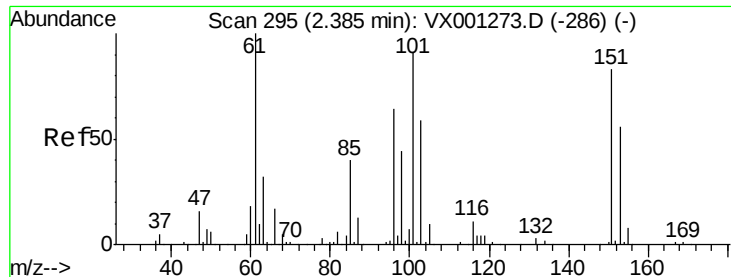


#8

Diethyl Ether
 Concen: 11.617 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Tgt Ion: 74 Resp: 22761
 Ion Ratio Lower Upper
 74 100
 45 98.0 49.3 147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.605 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

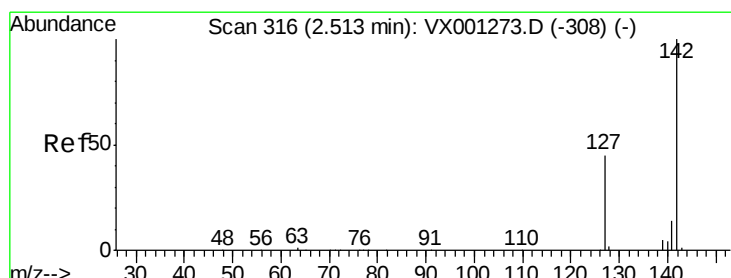
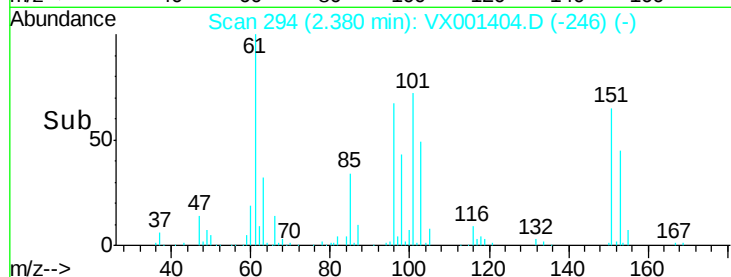
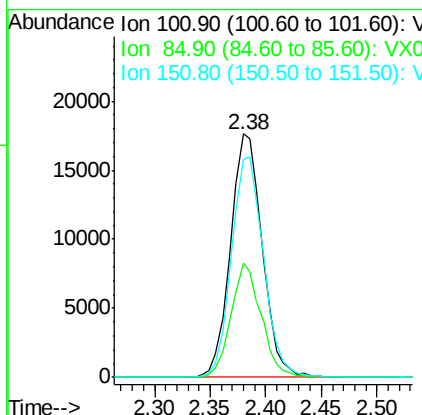
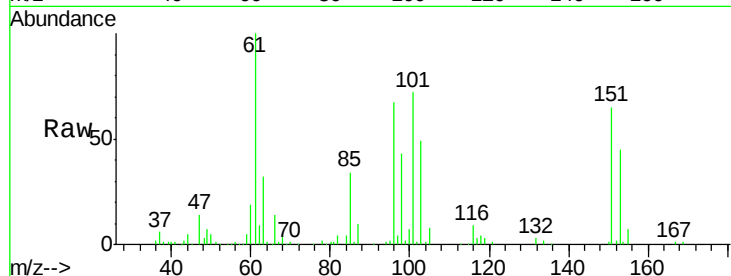
ClientSampleId :

VX0504WBSD01

Tot Ion:	101	Resp:	34893
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.6	53.4
151	91.4	74.8	112.2

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#10

Methyl Iodide

Concen: 16.373 ug/l

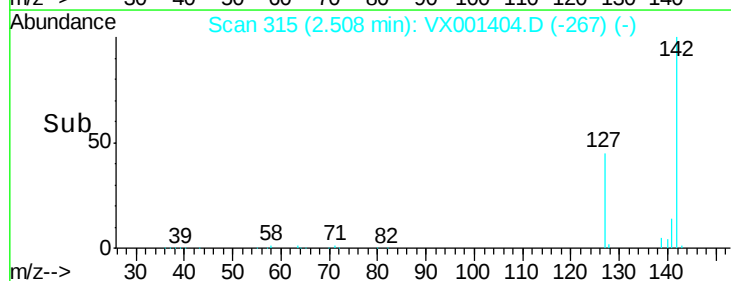
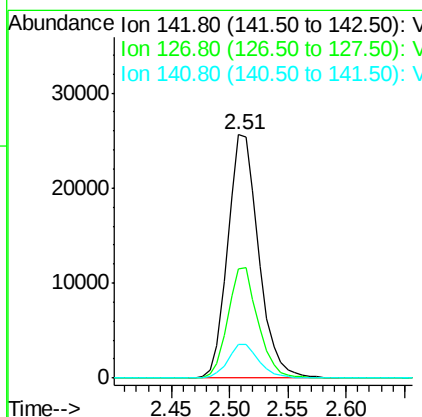
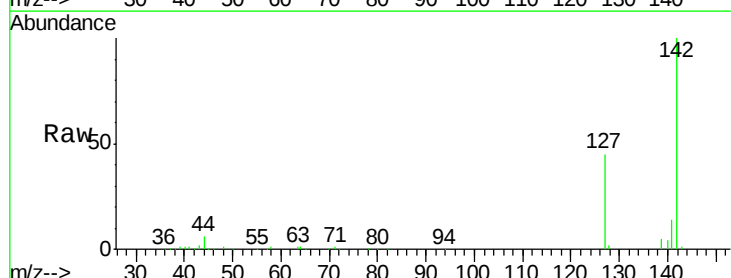
RT: 2.51 min Scan# 315

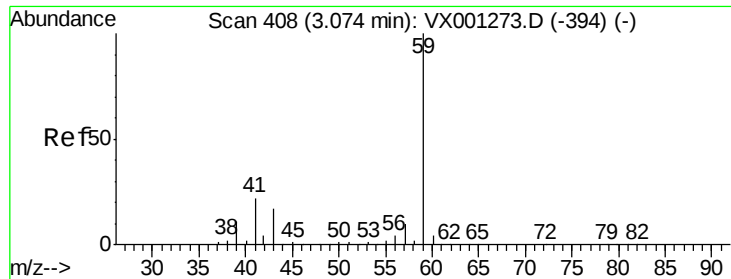
Delta R.T. -0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Tgt Ion:	142	Resp:	47279
Ion Ratio	Lower	Upper	
142	100		
127	44.6	35.7	53.5
141	13.9	11.4	17.0





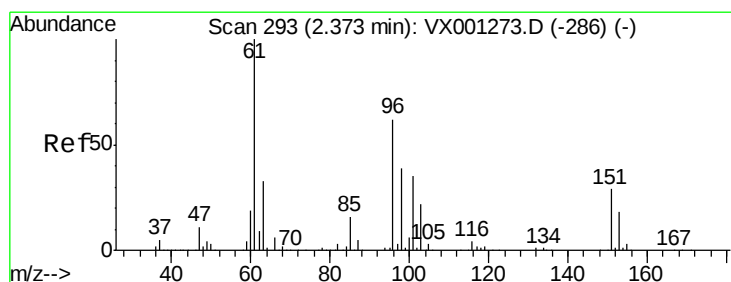
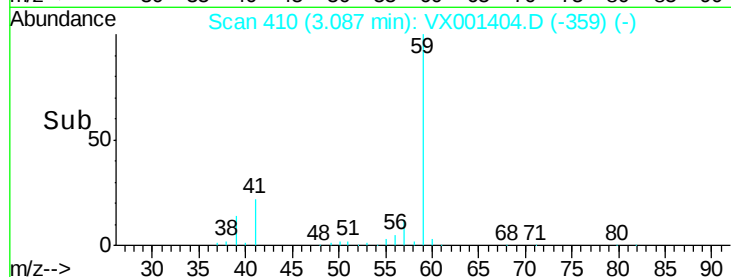
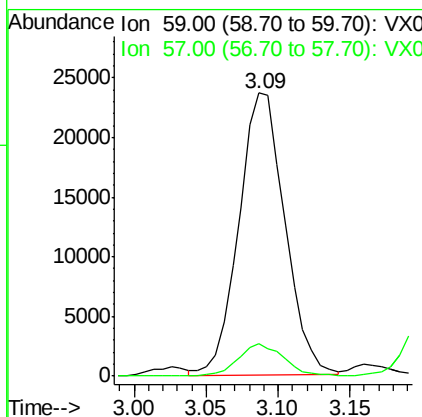
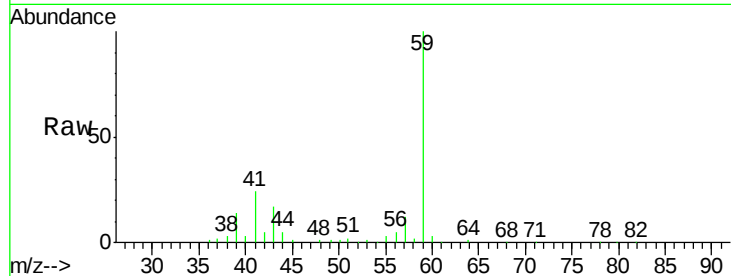
#11
Tert butyl alcohol
Concen: 74.522 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion: 59 Resp: 52489
Ion Ratio Lower Upper
59 100
57 11.5 8.6 12.8

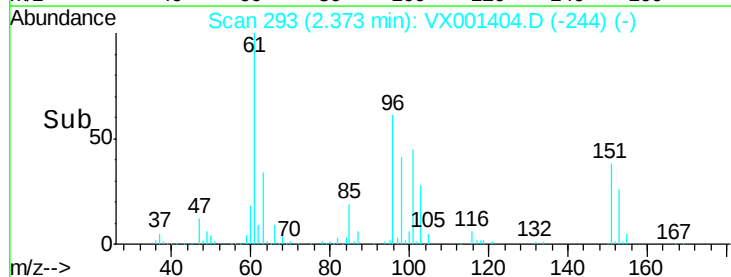
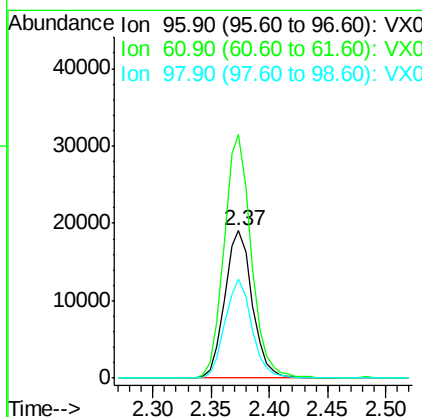
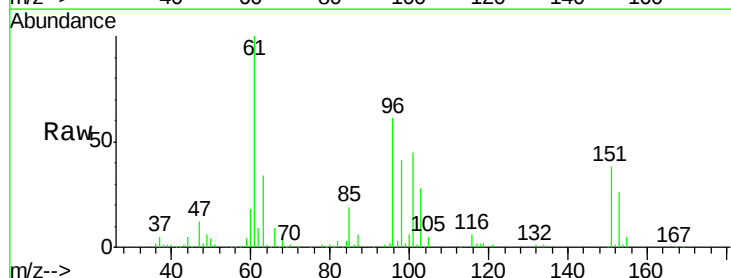
Manual Integrations
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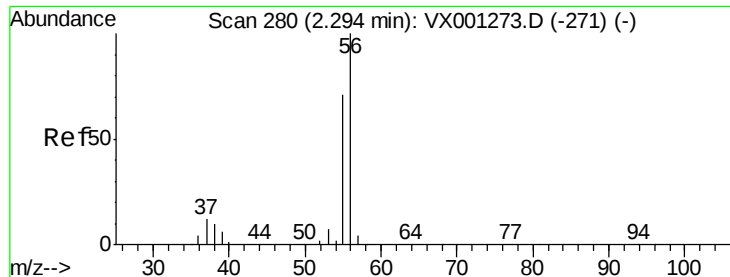
MMDadoda
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#12
1,1-Dichloroethene
Concen: 10.541 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion: 96 Resp: 31272
Ion Ratio Lower Upper
96 100
61 165.2 130.1 195.1
98 67.2 50.3 75.5





#13

Acrolein

Concen: 31.503 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion: 56 Resp: 12776

Ion Ratio Lower Upper

56 100

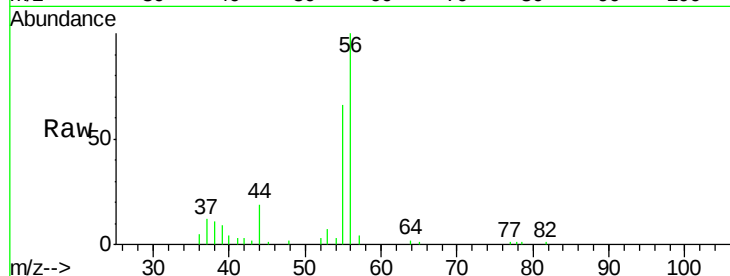
55 67.4 57.2 85.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

8000

6000

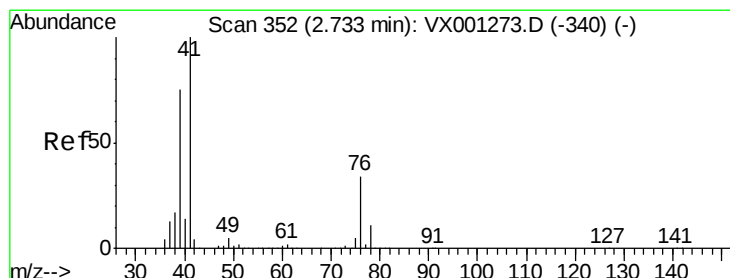
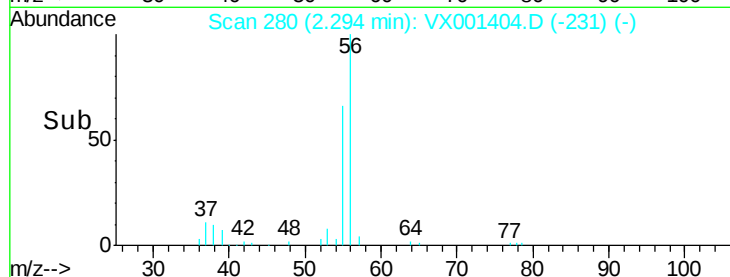
4000

2000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 11.352 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

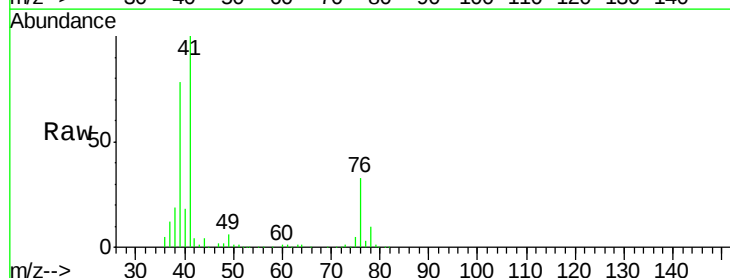
Tgt Ion: 41 Resp: 58920

Ion Ratio Lower Upper

41 100

39 72.3 58.1 87.1

76 31.0 25.1 37.7



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

40000

30000

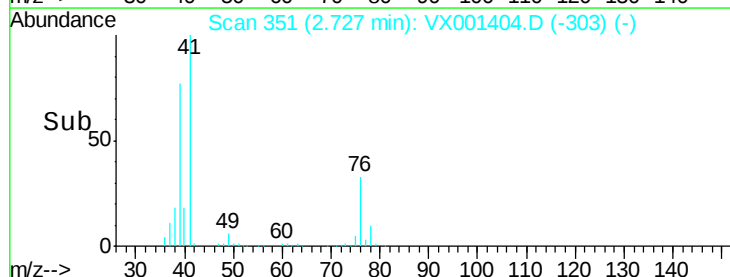
20000

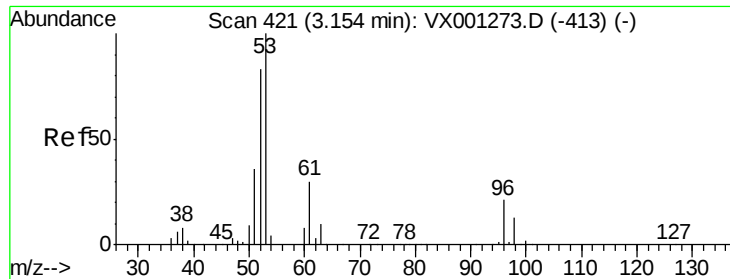
10000

0

Time-->

2.70 2.80





#15

Acrylonitrile

Concen: 66.722 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

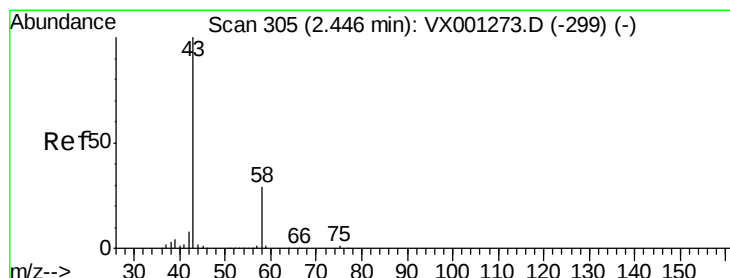
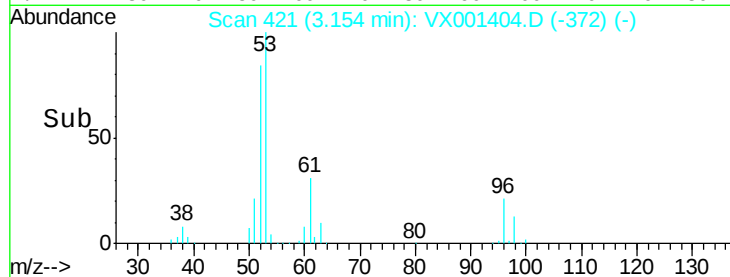
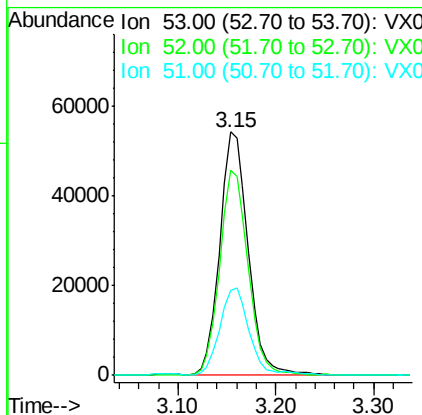
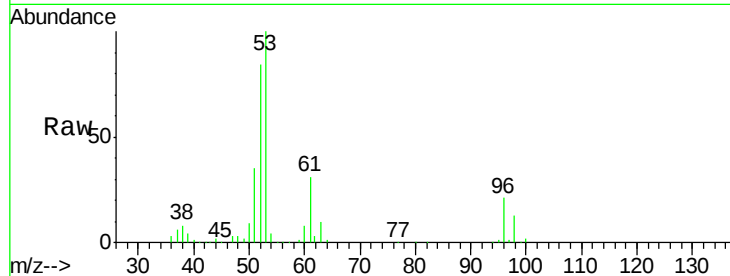
ClientSampled :

VX0504WBSD01

Tot Ion:	53	Resp:	108921
Ion Ratio	Lower	Upper	
53	100		
52	85.0	67.0	100.4
51	37.5	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 61.221 ug/l

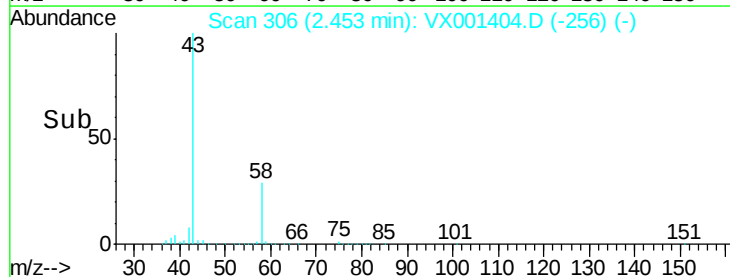
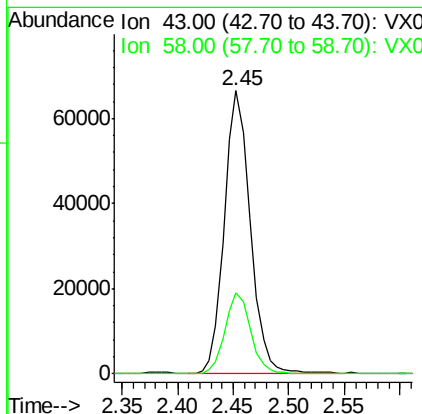
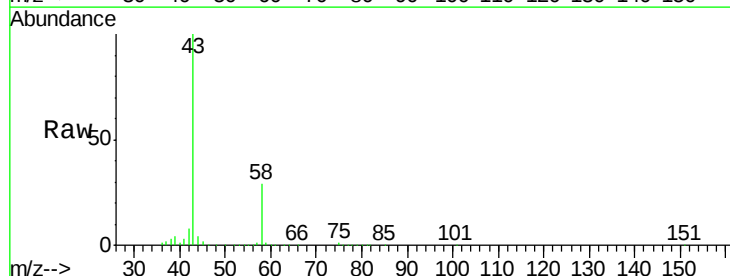
RT: 2.45 min Scan# 306

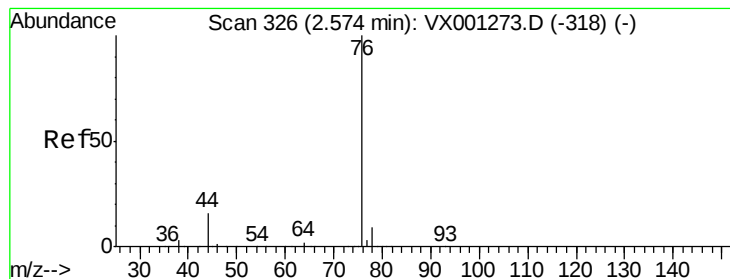
Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Tgt Ion:	43	Resp:	106984
Ion Ratio	Lower	Upper	
43	100		
58	28.7	22.8	34.2





#17

Carbon Disulfide

Concen: 8.419 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion: 76 Resp: 65069

Ion Ratio Lower Upper

76 100

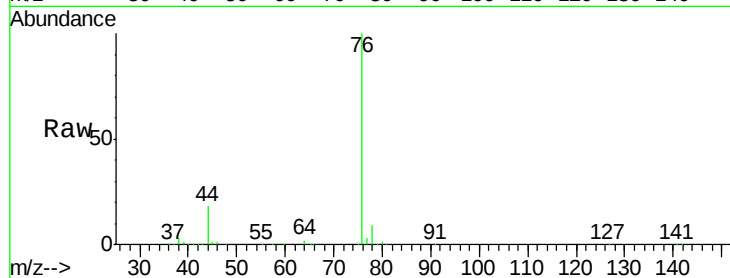
78 8.9 7.0 10.4

Manual Integrations

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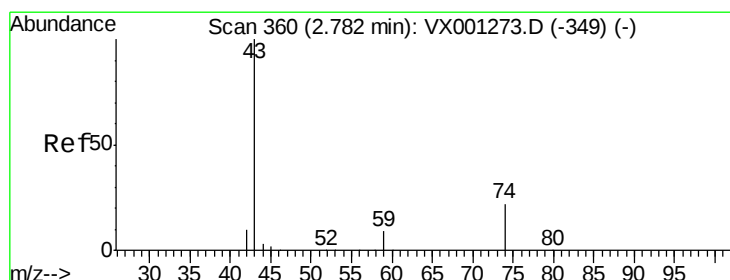
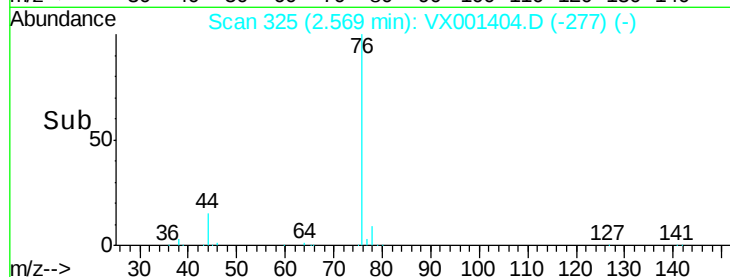
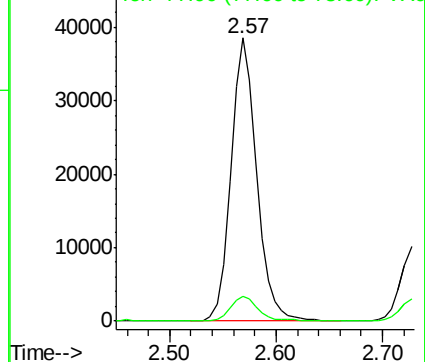
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 15.117 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001404.D

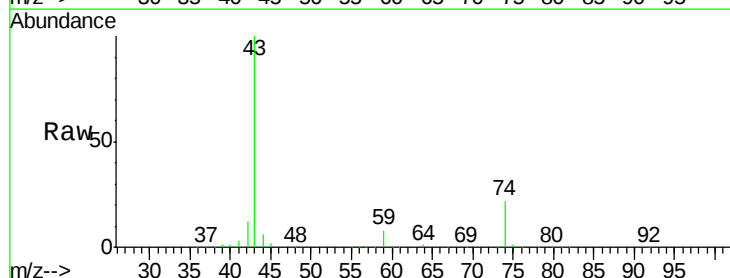
Acq: 04 May 2018 18:32

Tgt Ion: 43 Resp: 62392

Ion Ratio Lower Upper

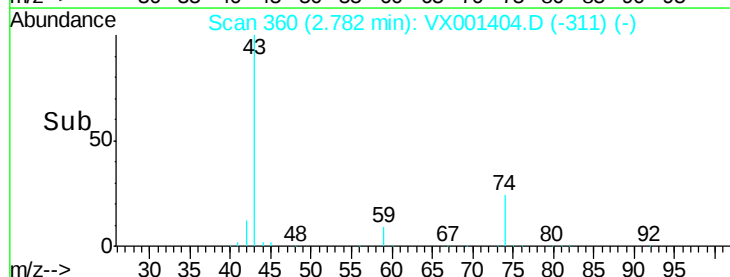
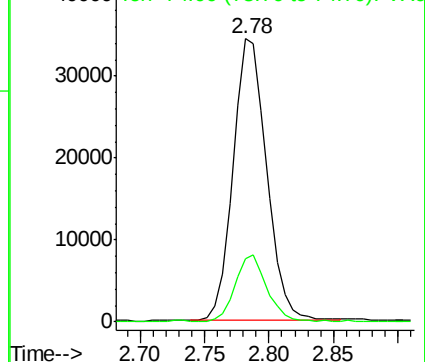
43 100

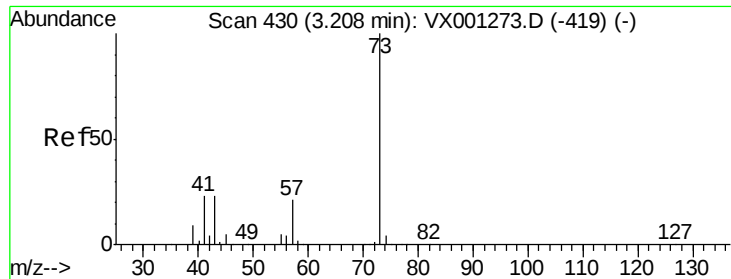
74 22.1 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





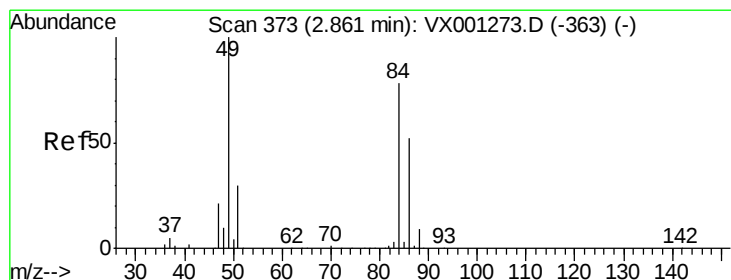
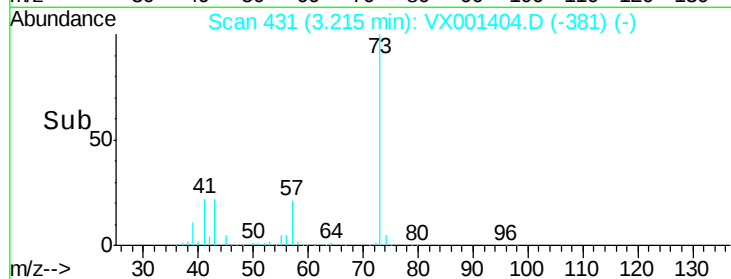
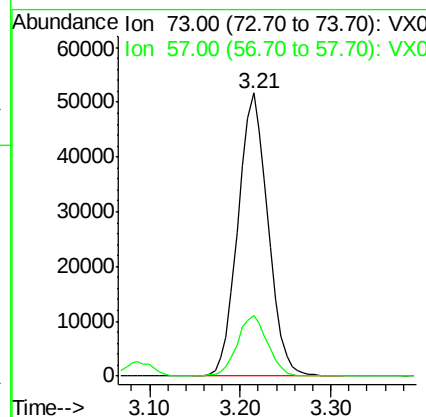
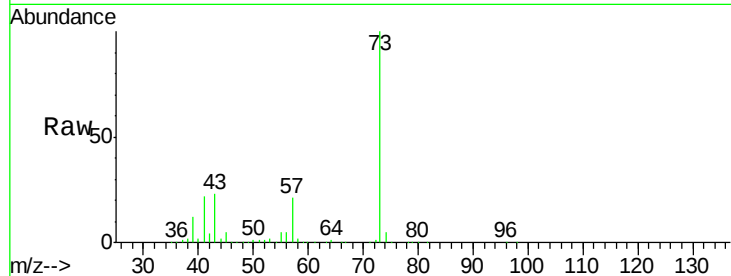
#19
Methvl tert-butvl Ether
Concen: 11.722 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion: 73 Resp: 118449
Ion Ratio Lower Upper
73 100
57 21.4 16.8 25.2

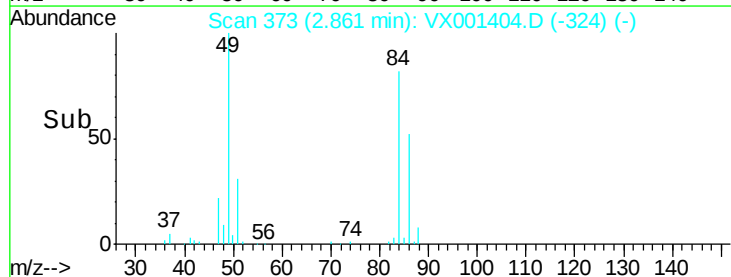
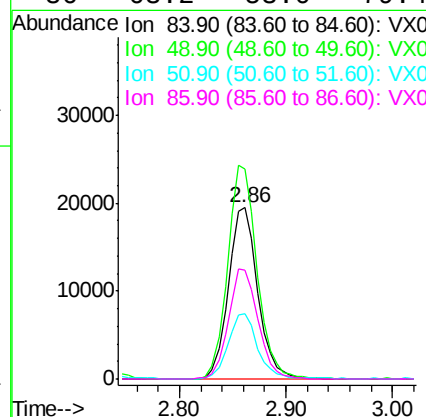
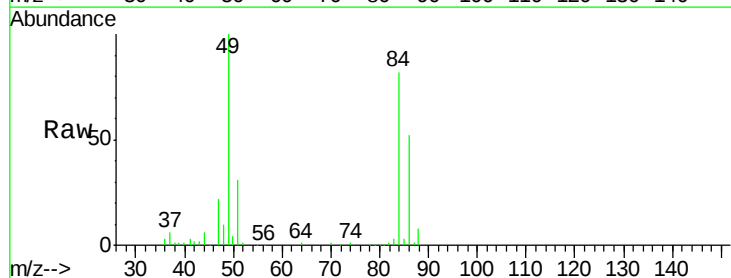
Manual Integrations
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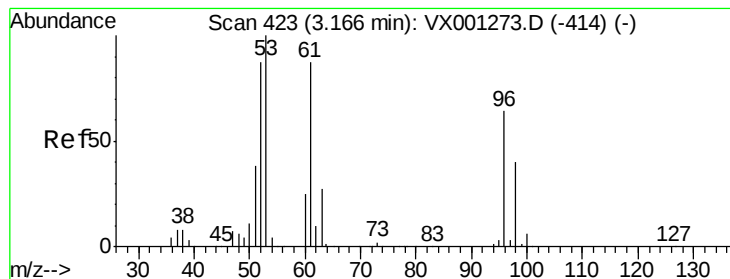
MMDadoda
5/7/2018 7:28:03 PM



#20
Methylene Chloride
Concen: 10.663 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion: 84 Resp: 37573
Ion Ratio Lower Upper
84 100
49 122.2 102.8 154.2
51 37.7 30.9 46.3
86 63.2 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 10.329 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion: 96 Resp: 33354

Ion Ratio Lower Upper

96 100

61 135.8 108.6 162.8

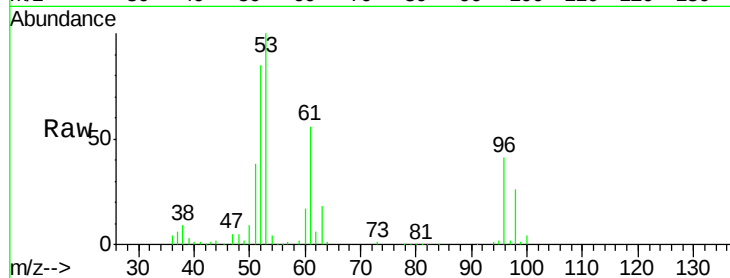
98 62.5 49.7 74.5

Manual Integrations

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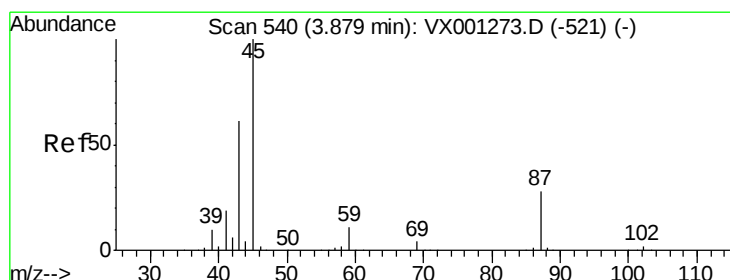
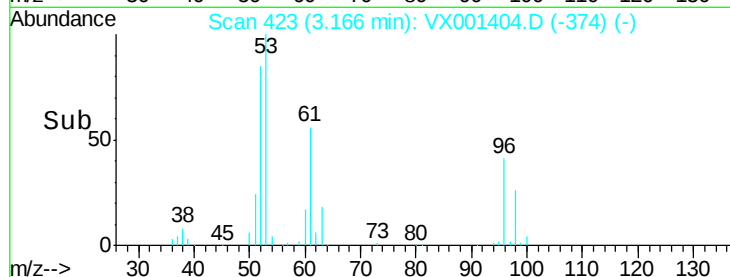
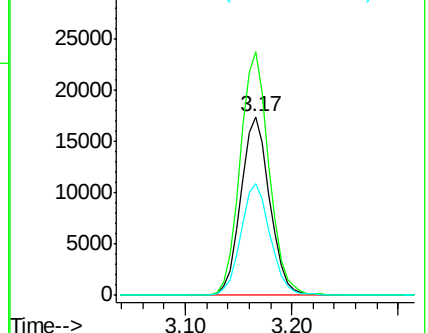
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 11.778 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Tgt Ion: 45 Resp: 117740

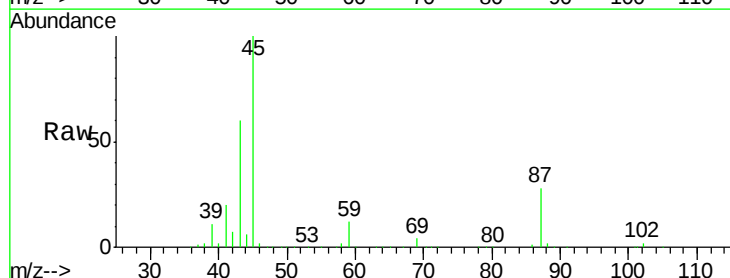
Ion Ratio Lower Upper

45 100

43 59.5 48.7 73.1

87 28.3 22.2 33.4

59 12.1 9.1 13.7

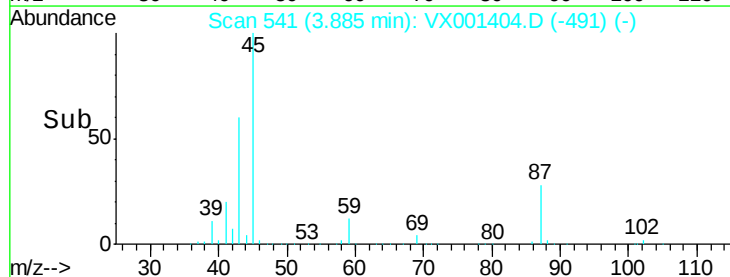
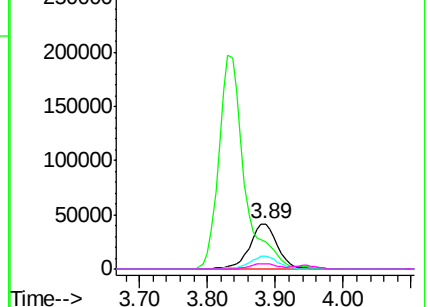


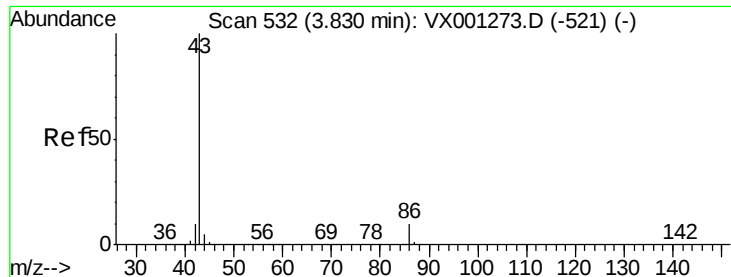
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 60.839 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion: 43 Resp: 515362

Ion Ratio Lower Upper

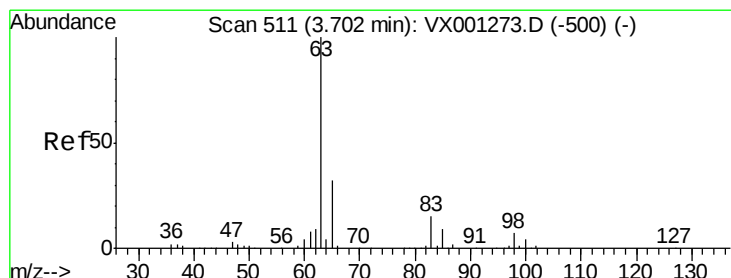
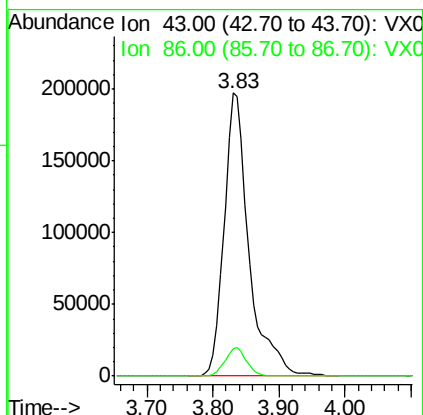
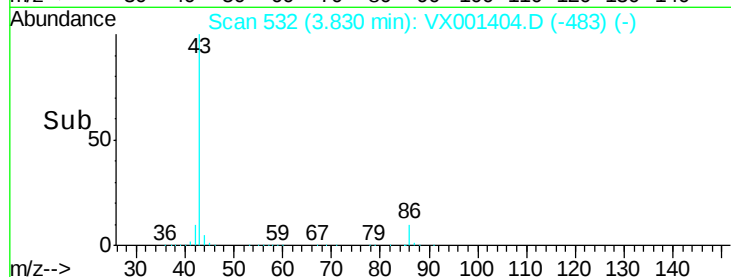
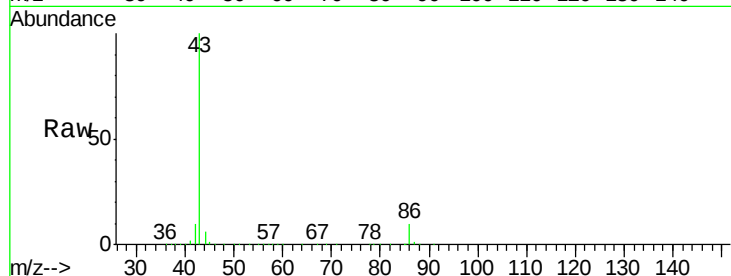
43 100

86 9.8 8.2 12.4

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 11.991 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

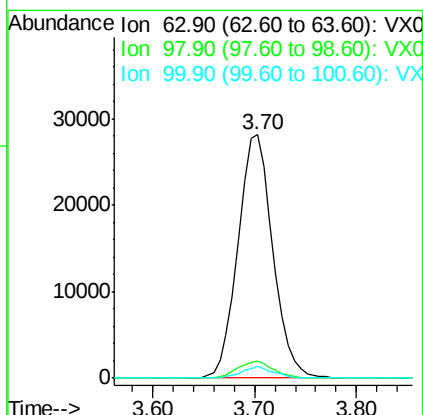
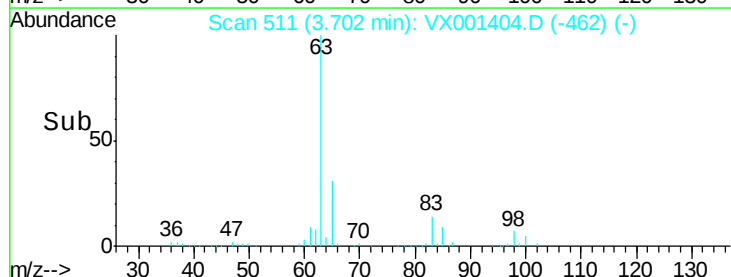
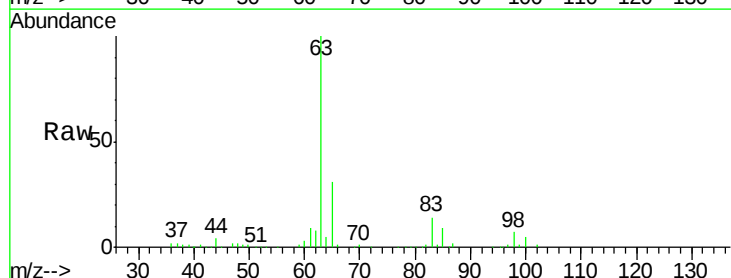
Tgt Ion: 63 Resp: 66769

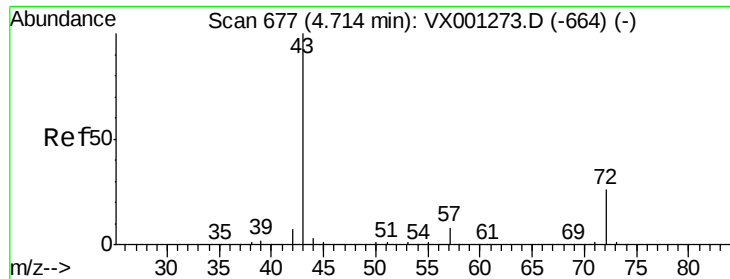
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.9 2.3 6.8





#25

2-Butanone

Concen: 62.378 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion: 43 Resp: 147388

Ion Ratio Lower Upper

43 100

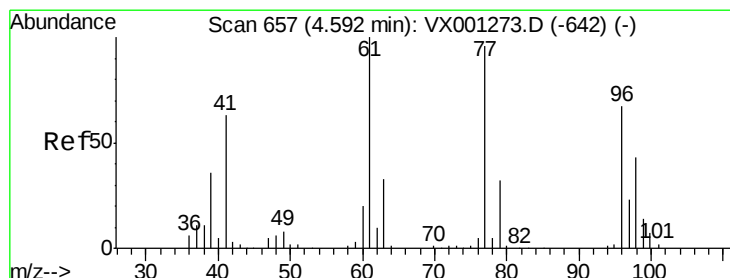
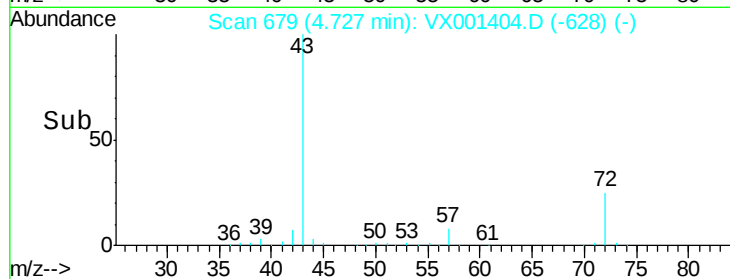
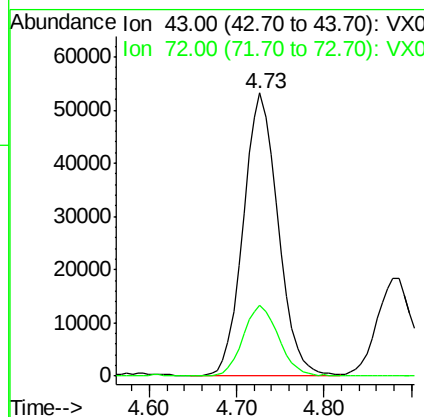
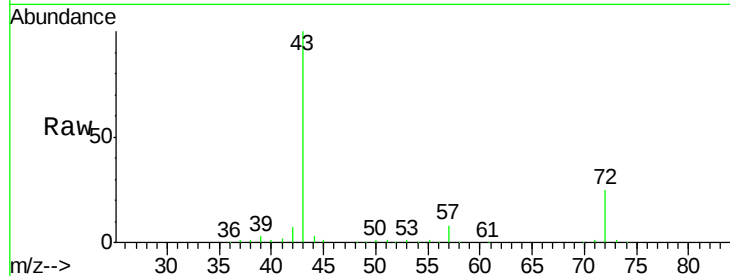
72 25.2 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 9.314 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX001404.D

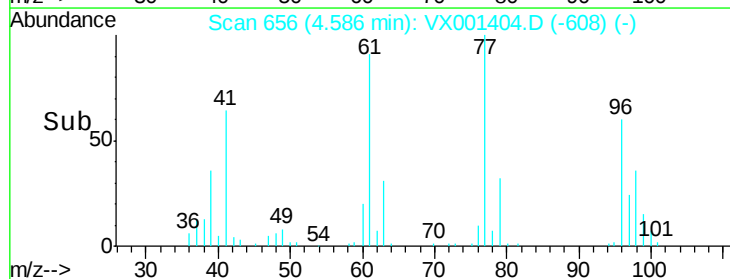
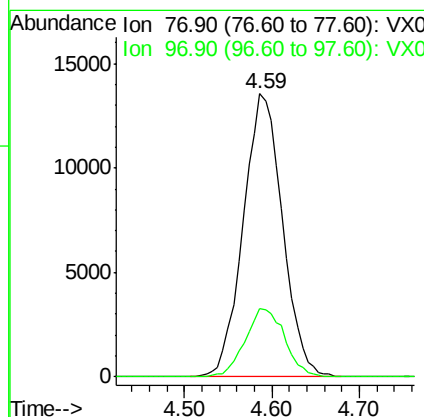
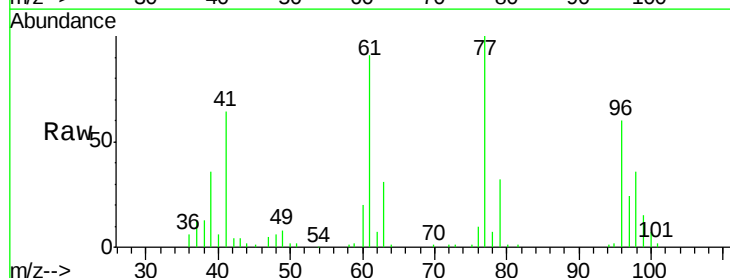
Acq: 04 May 2018 18:32

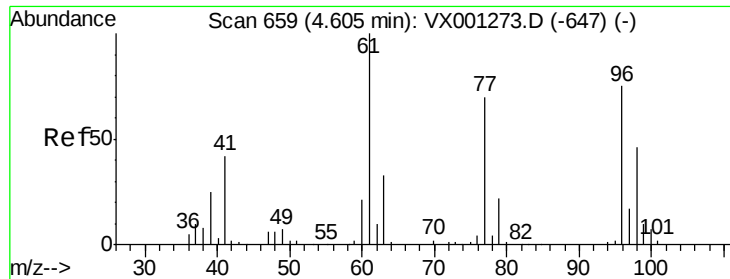
Tgt Ion: 77 Resp: 42204

Ion Ratio Lower Upper

77 100

97 24.3 11.8 35.3





#27

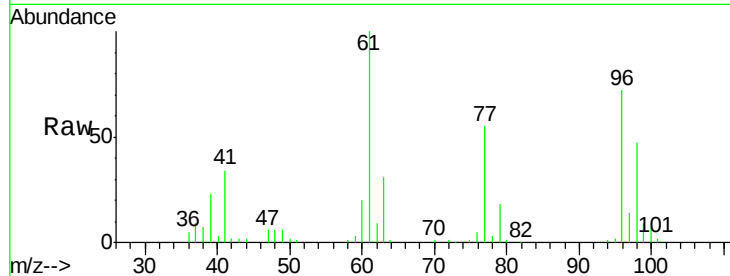
cis-1,2-Dichloroethene
Concen: 10.279 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.7	0.0	288.0
98	64.1	0.0	130.2

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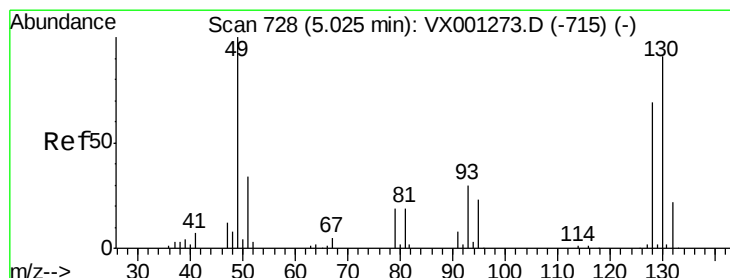
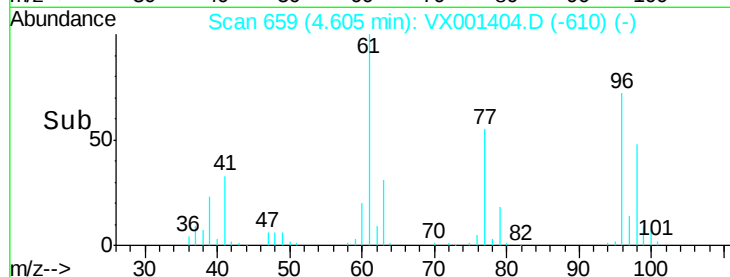
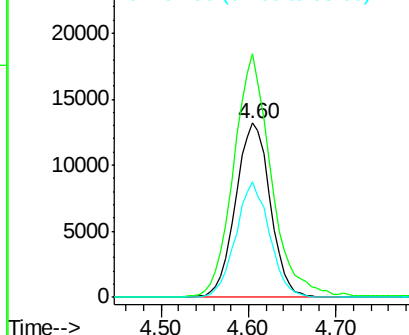


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

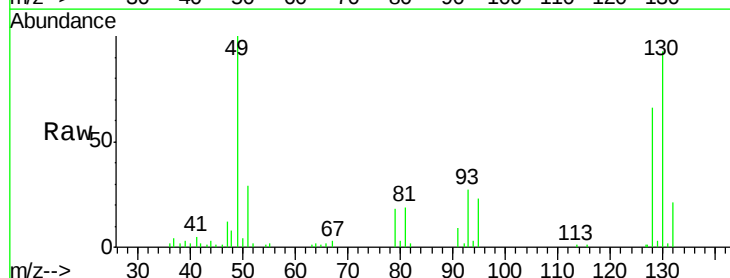
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 12.359 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.8
130	89.0	70.4	105.6

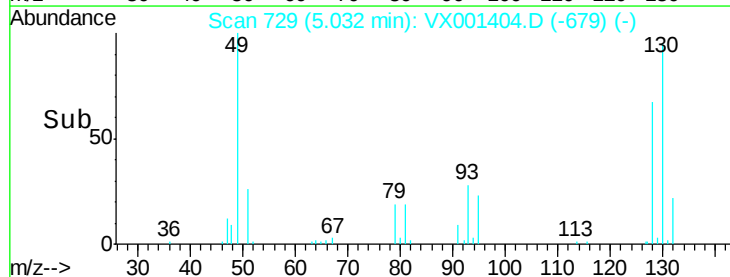
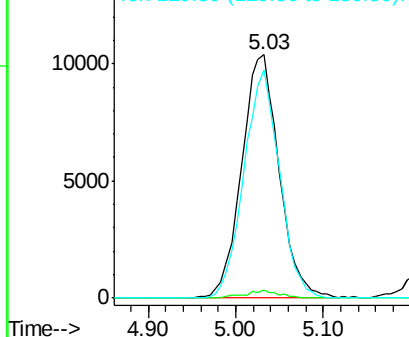


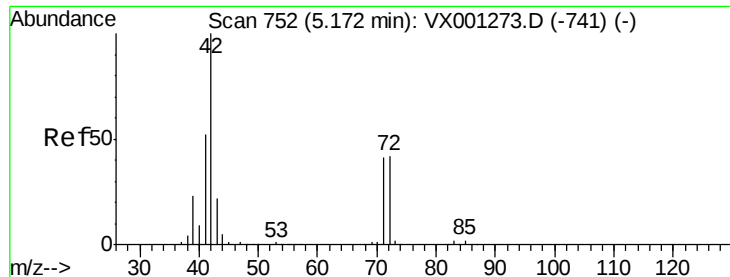
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





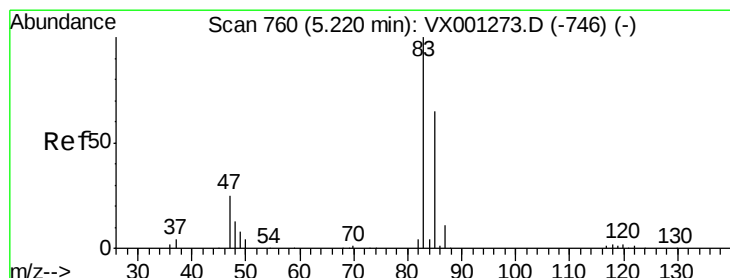
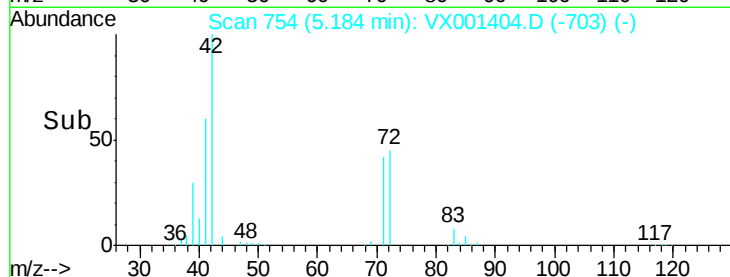
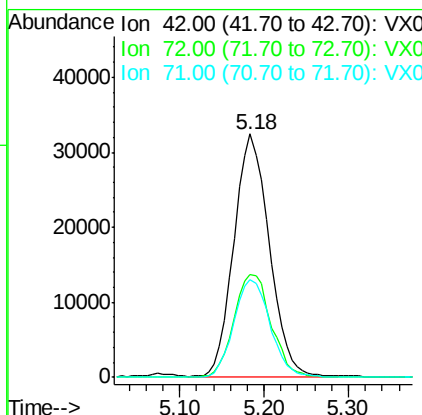
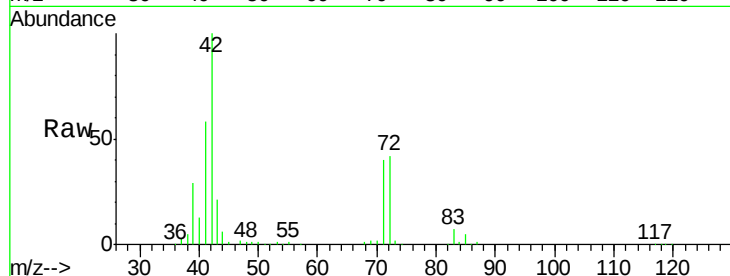
#29
Tetrahydrofuran
Concen: 63.308 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	34.6	52.0
71	41.6	32.7	49.1

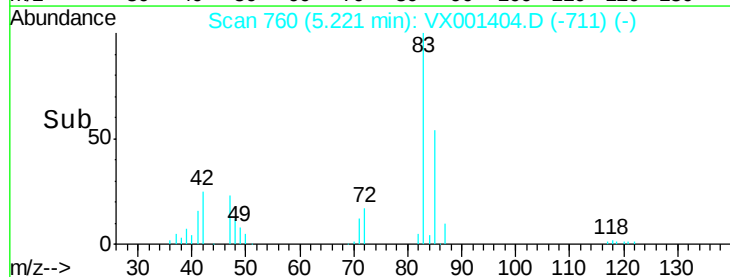
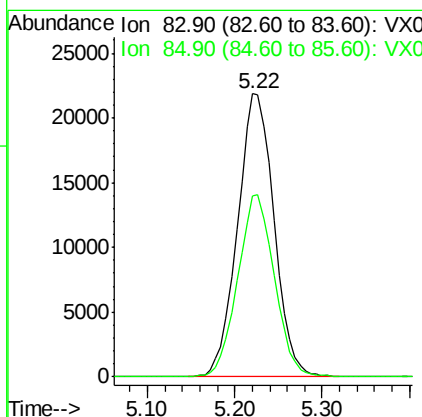
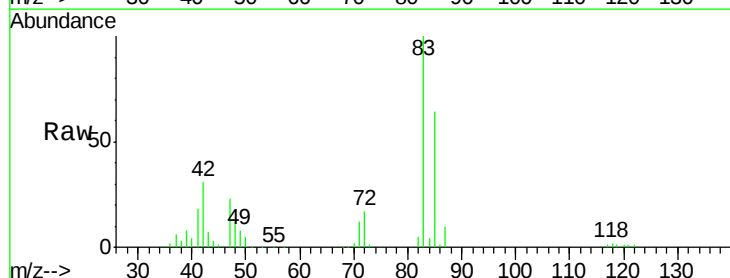
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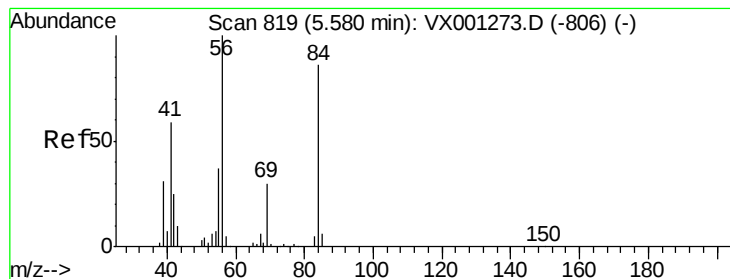
MMDadoda
5/7/2018 7:28:03 PM



#30
Chloroform
Concen: 10.780 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.2	78.2





#31

Cyclohexane

Concen: 8.931 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

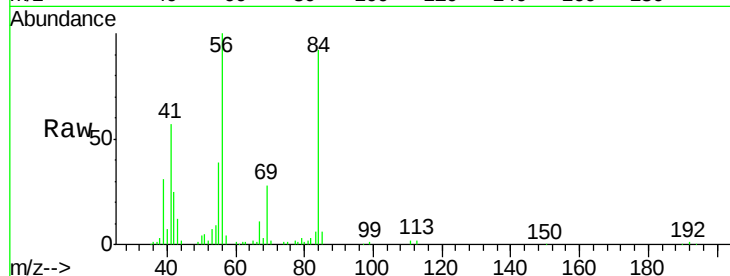
ClientSampleId :

VX0504WBSD01

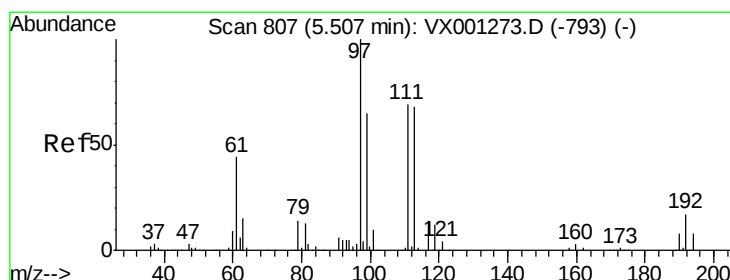
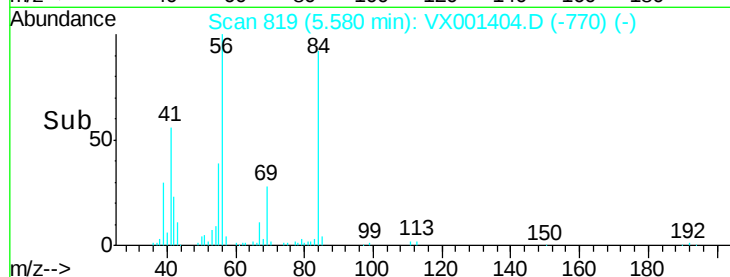
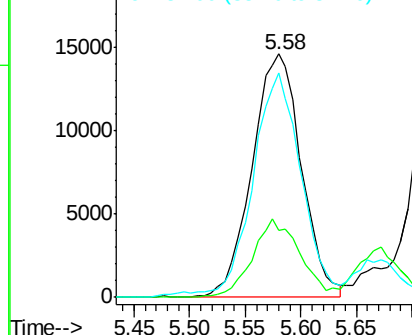
Tot Ion:	56	Resp:	44913
Ion	Ratio	Lower	Upper
56	100		
69	27.5	24.0	36.0
84	90.4	69.0	103.4

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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 10.219 ug/l

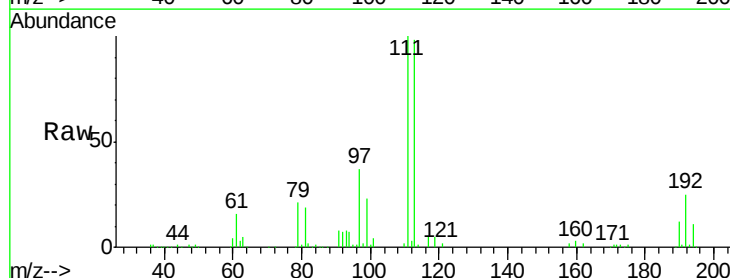
RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

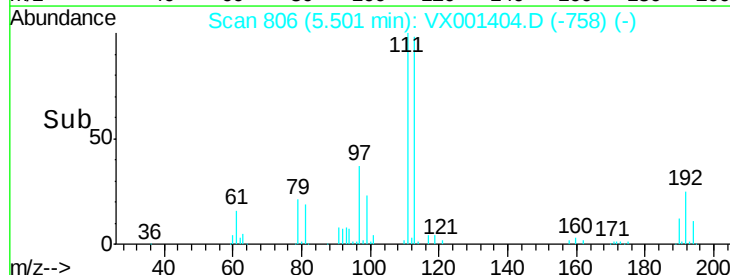
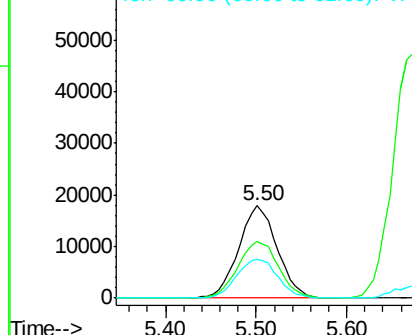
Lab File: VX001404.D

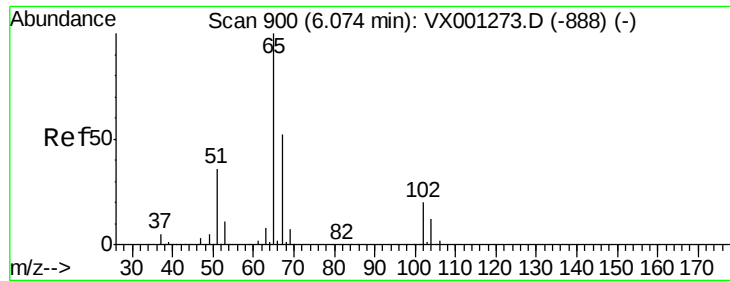
Acq: 04 May 2018 18:32

Tgt Ion:	97	Resp:	52571
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.6
61	45.0	35.4	53.2



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.581 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion: 65 Resp: 186604

Ion Ratio Lower Upper

65 100

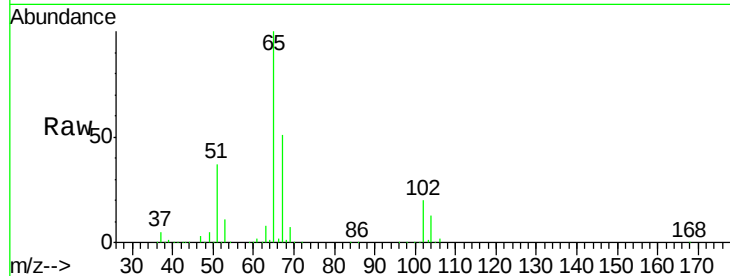
67 51.7 0.0 102.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.08

80000

60000

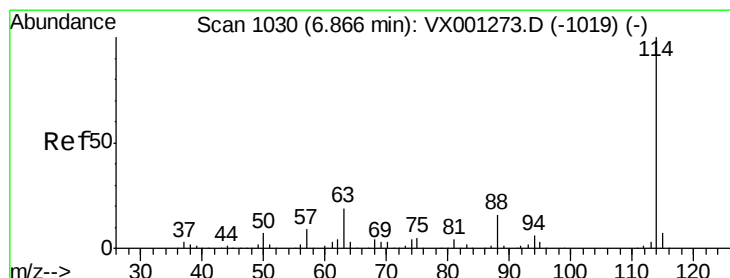
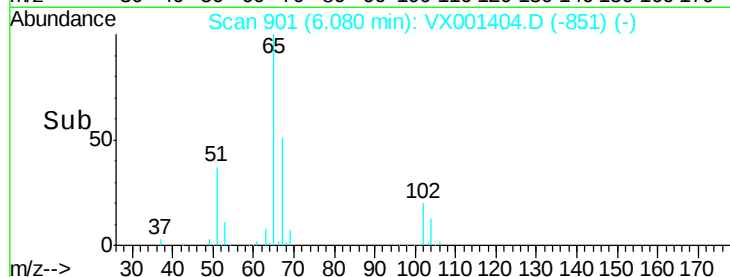
40000

20000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

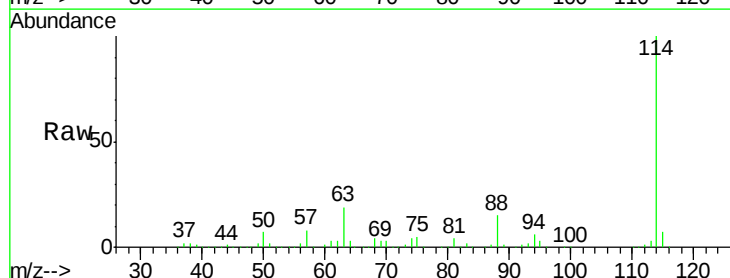
Tgt Ion: 114 Resp: 390603

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.8

88 14.8 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.87

200000

150000

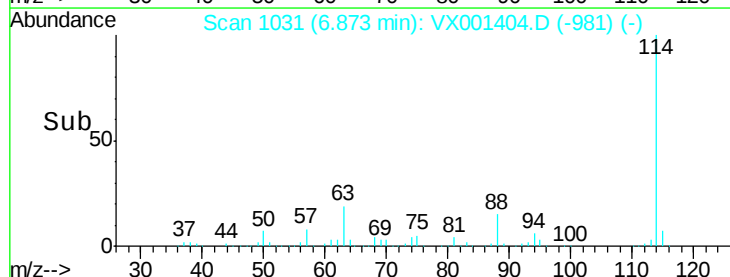
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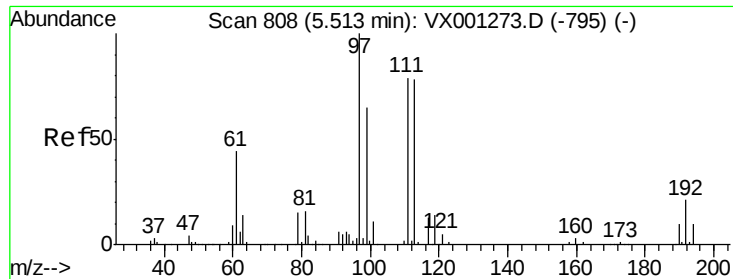
50000

0

Time-->

6.80 7.00





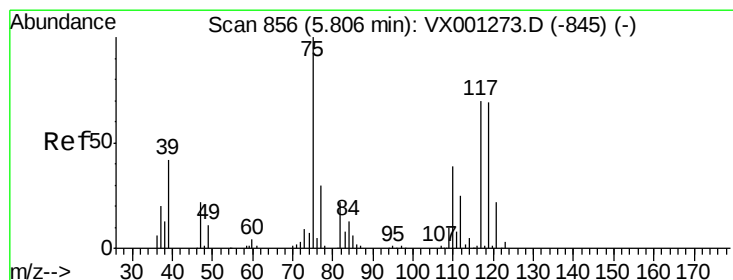
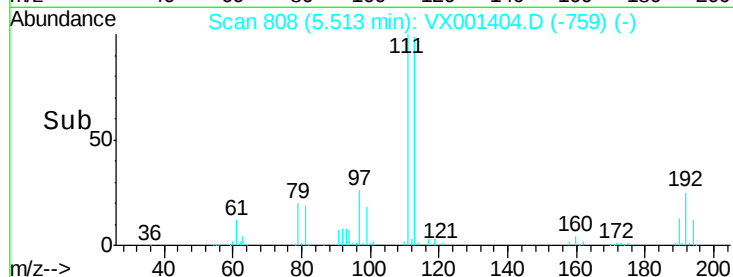
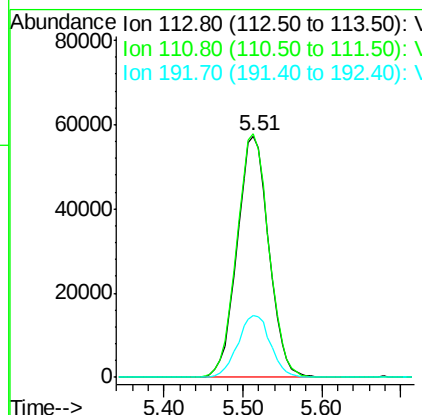
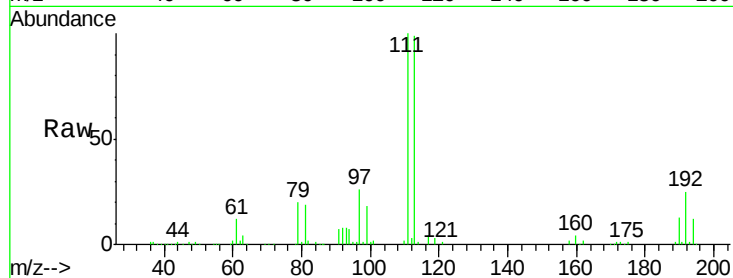
#35
 Dibromofluoromethane
 Concen: 47.547 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	160001		
111	101.8	81.2	121.8	
192	26.4	20.7	31.1	

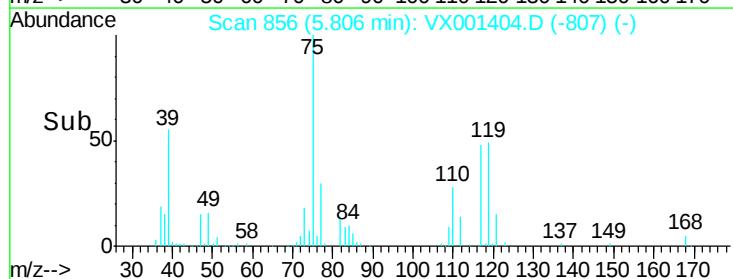
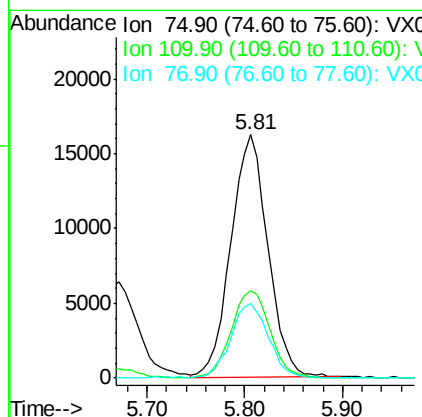
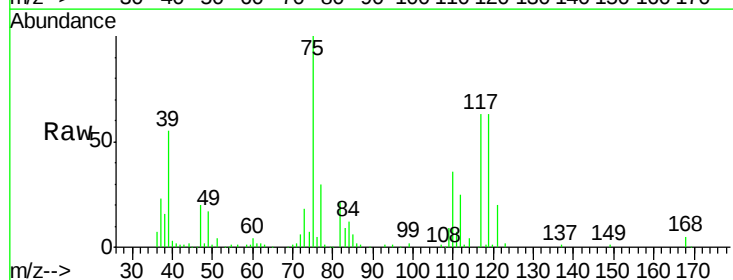
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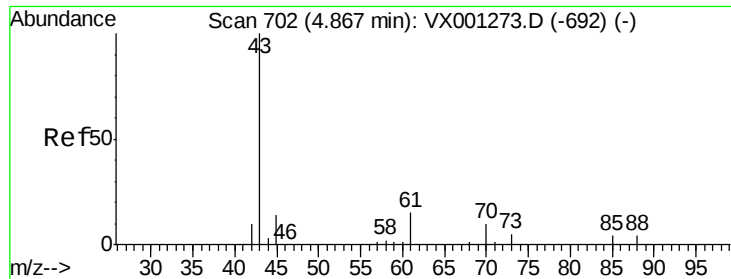
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#36
 1,1-Dichloropropene
 Concen: 9.428 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	42504		
110	37.9	18.9	56.9	
77	31.6	24.2	36.2	





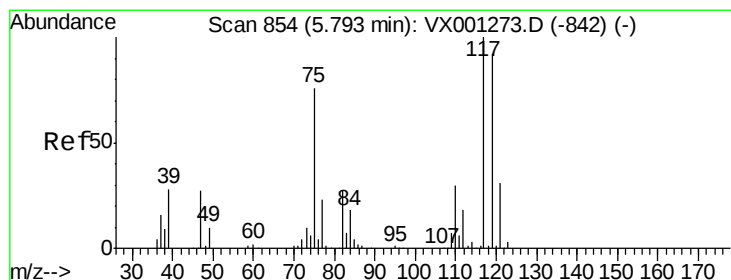
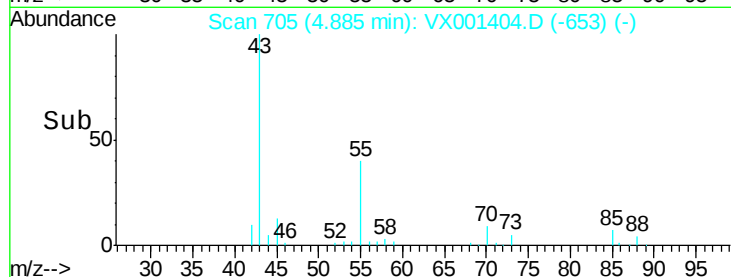
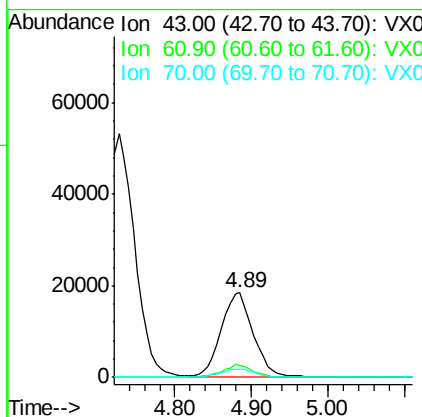
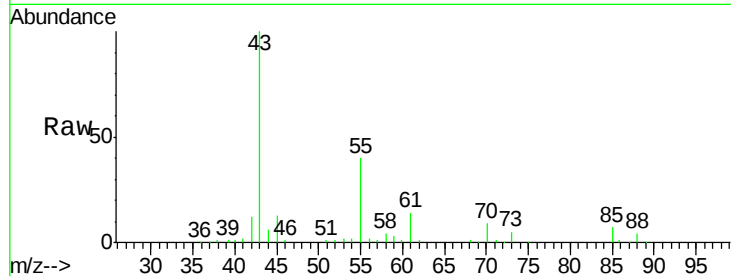
#37
Ethyl Acetate
Concen: 11.658 ug/l
RT: 4.89 min Scan# 705
Delta R.T. 0.02 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Instrument :
MSVOA_X
ClientSampled :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.7	16.1
70	10.7	8.0	12.0

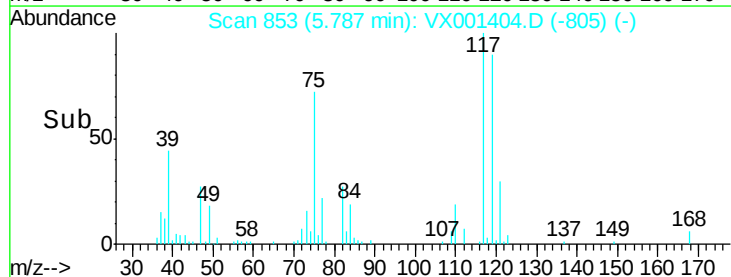
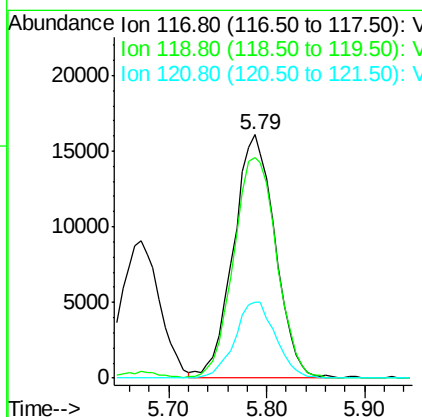
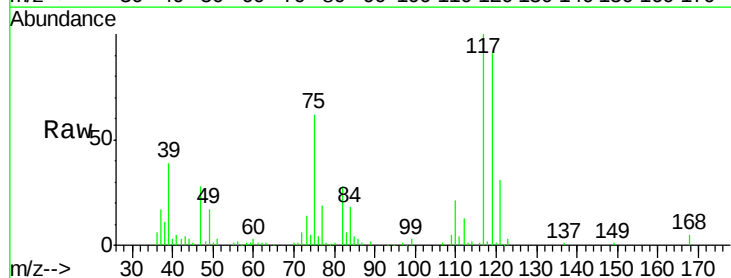
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5/7/2018 7:28:03 PM



#38
Carbon Tetrachloride
Concen: 10.075 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.8	73.4	110.2
121	31.2	25.0	37.4





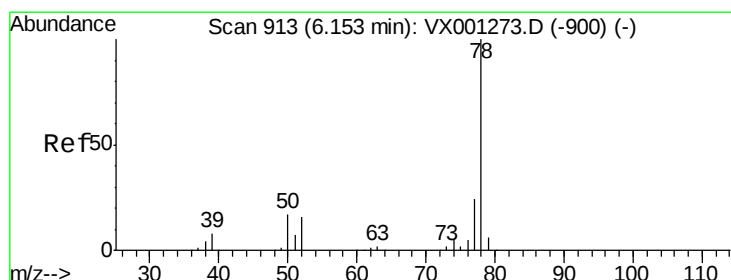
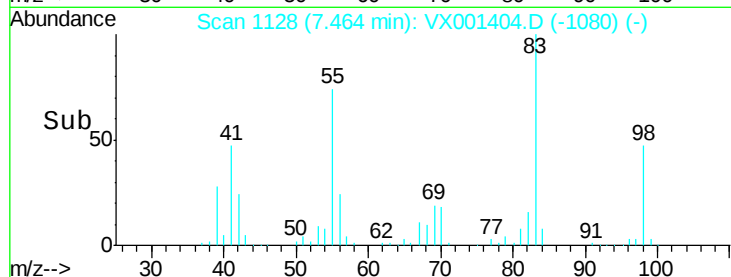
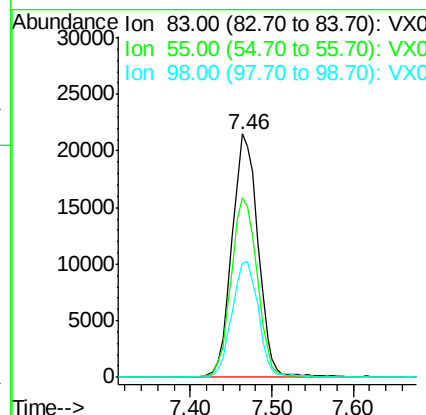
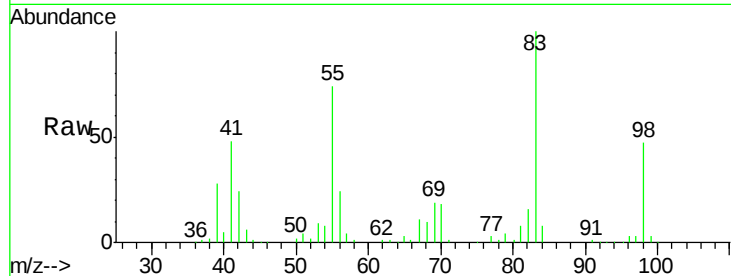
#39
Methvlcvclohexane
Concen: 8.907 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	83	Resp	47492
Ion Ratio	100	Lower	Upper
83	100		
55	73.5	60.4	90.6
98	47.0	37.0	55.6

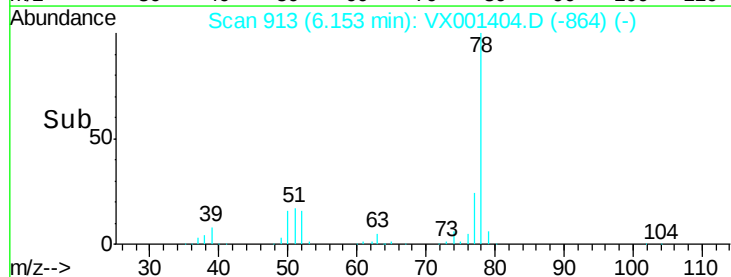
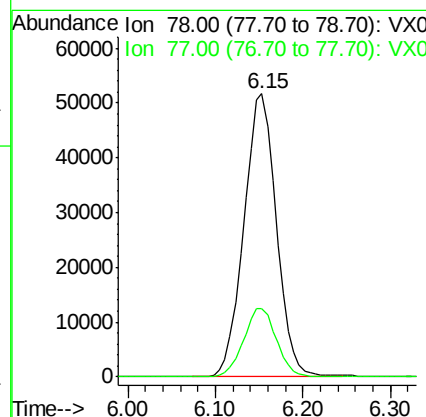
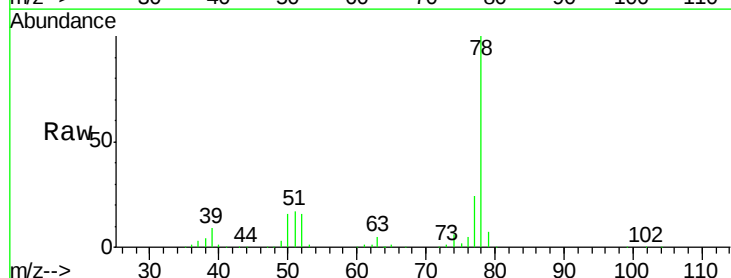
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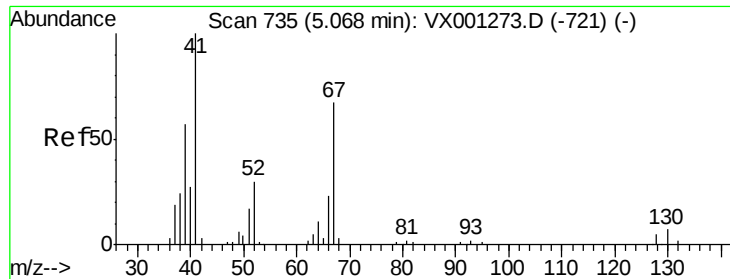
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#40
Benzene
Concen: 10.281 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion	78	Resp	133325
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	19.0	28.4





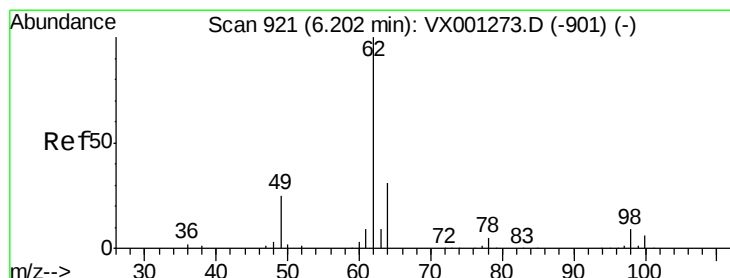
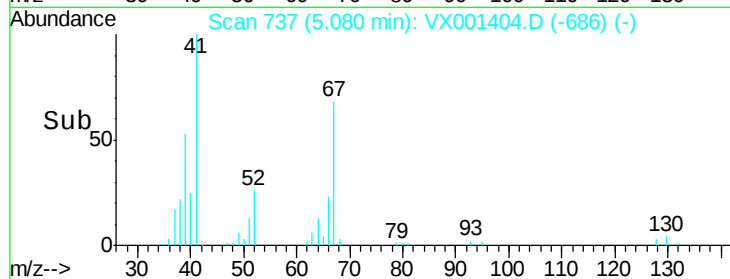
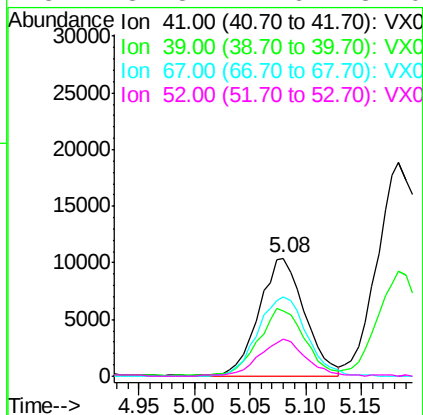
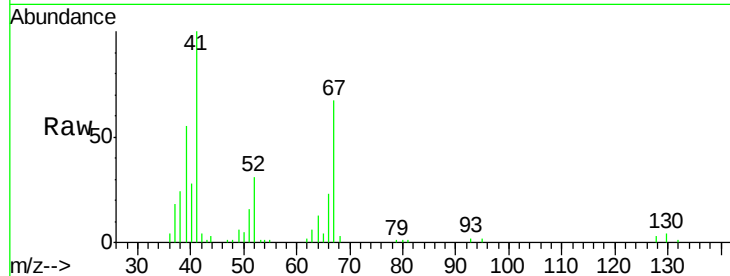
#41
Methacrylonitrile
Concen: 11.151 ug/l
RT: 5.08 min Scan# 737
Delta R.T. 0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.6	45.8	68.8
67	72.5	54.8	82.2
52	32.8	24.6	37.0

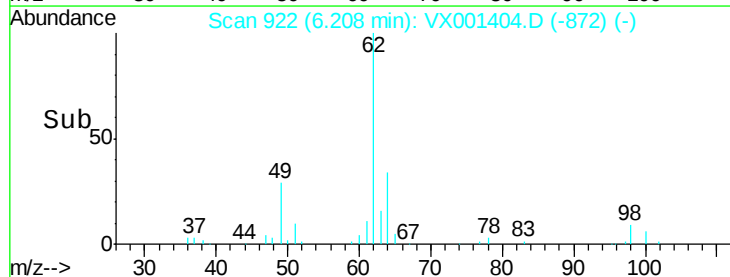
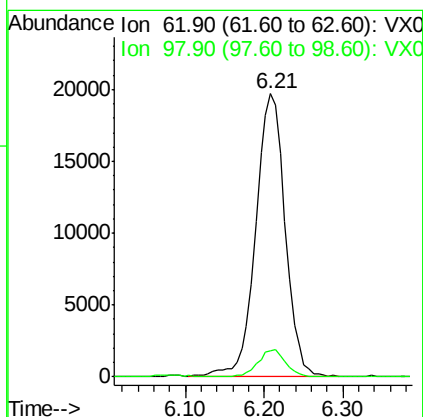
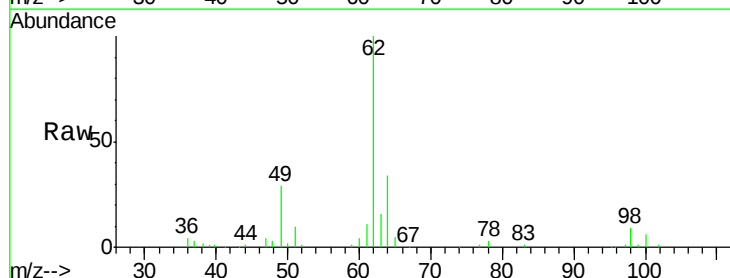
Manual Integrations
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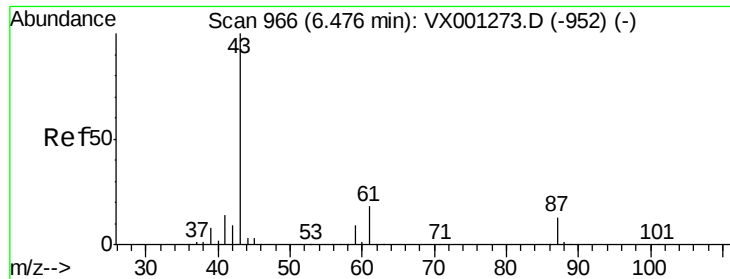
MMDadoda
5/7/2018 7:28:03 PM



#42
1,2-Dichloroethane
Concen: 10.219 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.2





#43

Isopropyl Acetate

Concen: 11.075 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

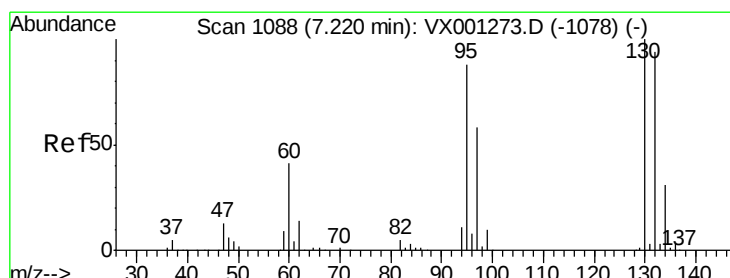
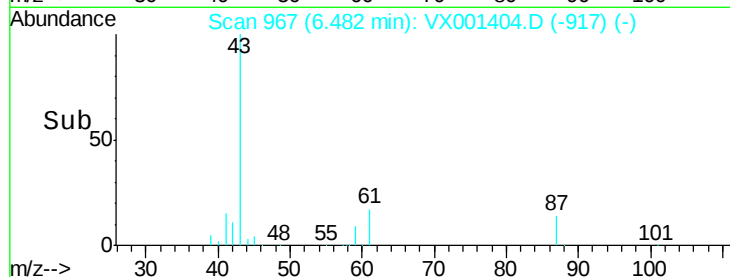
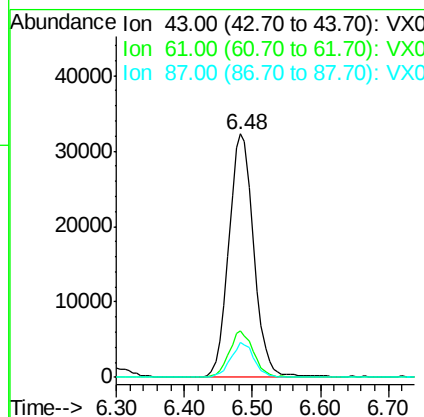
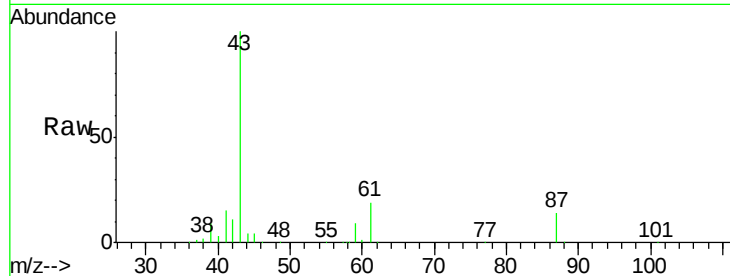
ClientSampleId :

VX0504WBSD01

Tot Ion:	43	Resp:	81624
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.0	22.4
87	13.4	10.2	15.4

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#44

Trichloroethene

Concen: 10.632 ug/l

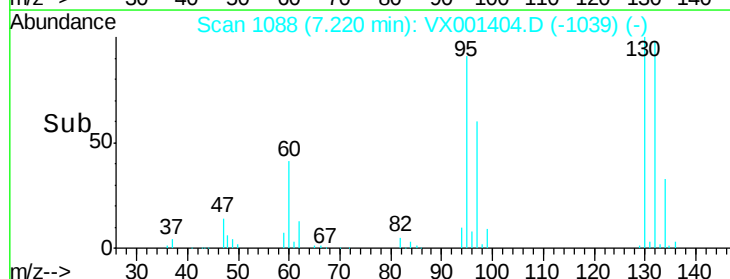
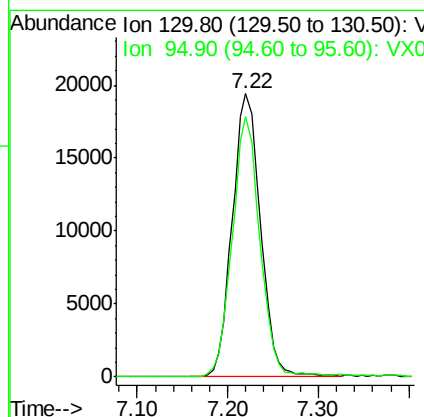
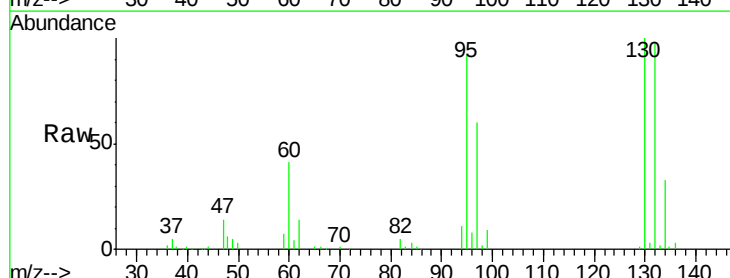
RT: 7.22 min Scan# 1088

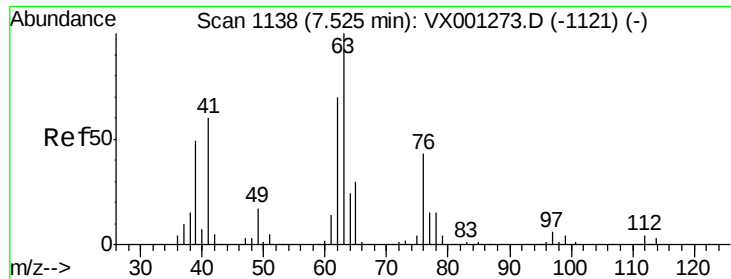
Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Tgt Ion:	130	Resp:	42205
Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	176.0





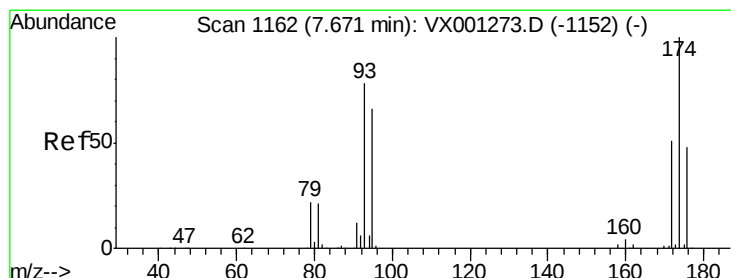
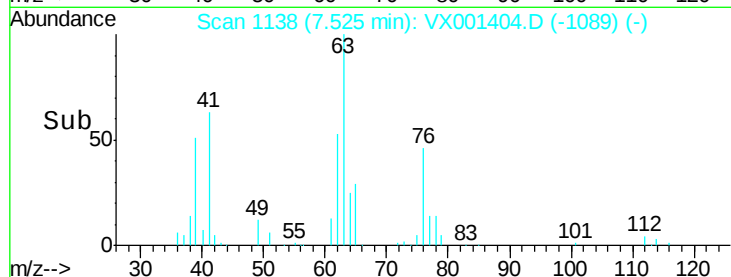
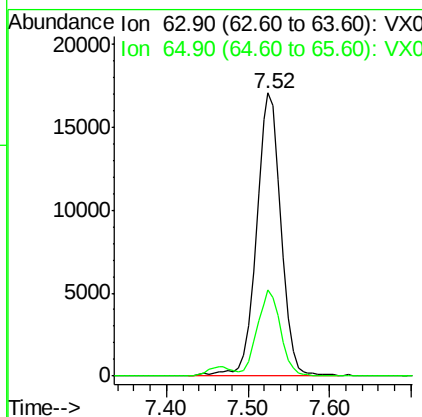
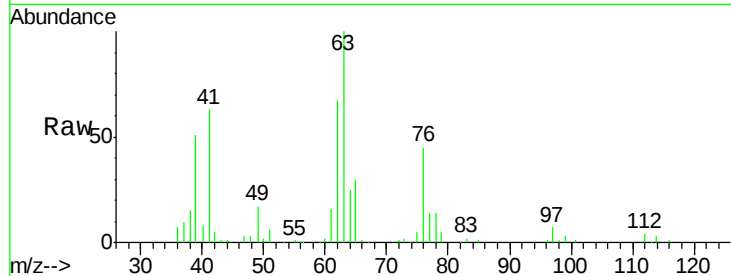
#45
 1,2-Dichloropropane
 Concen: 10.751 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

Tot Ion: 63 Resp: 35806
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.2 36.4

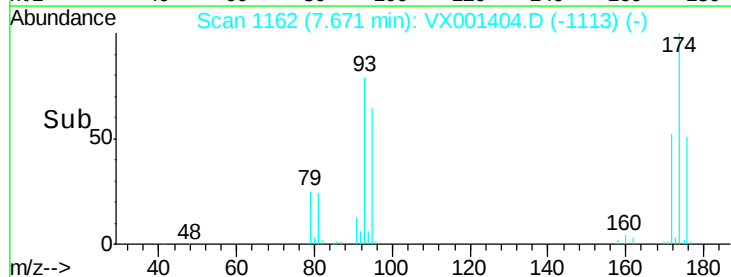
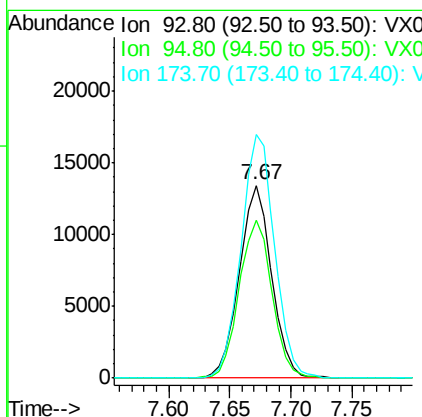
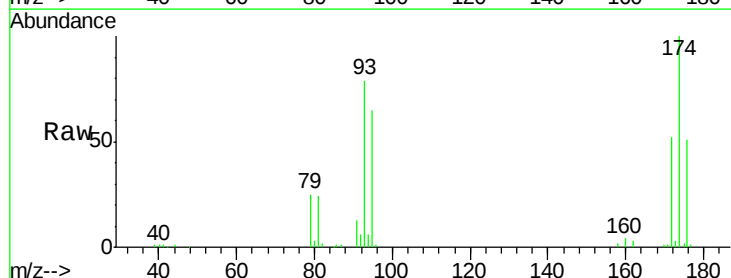
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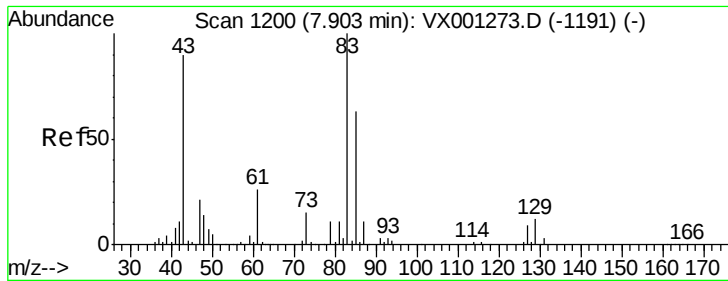
MMDadoda
 5/7/2018 7:28:03 PM



#46
 Dibromomethane
 Concen: 10.567 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Tgt Ion: 93 Resp: 24668
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.0 100.6
 174 131.2 102.3 153.5





#47

Bromodichloromethane

Concen: 10.312 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001404.D

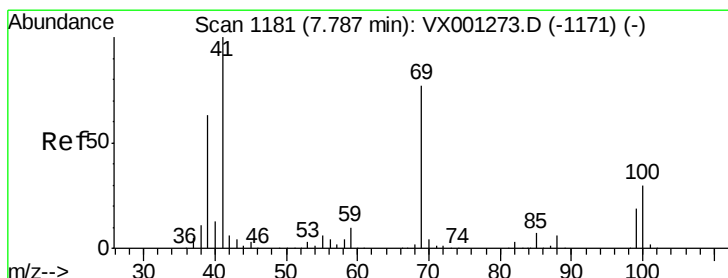
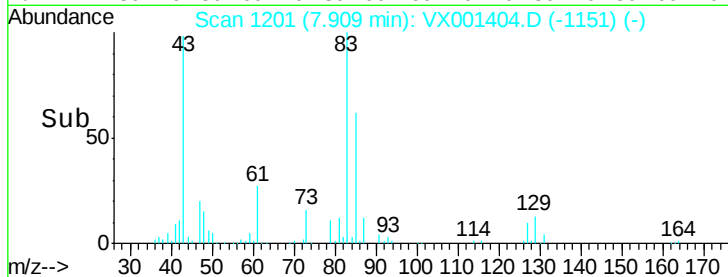
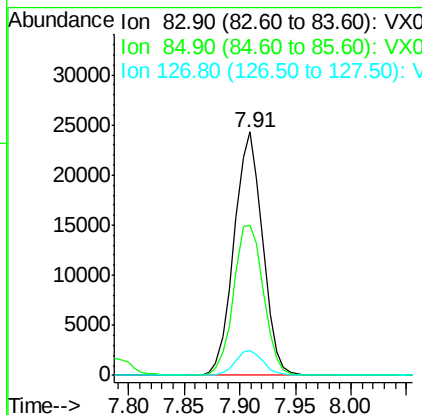
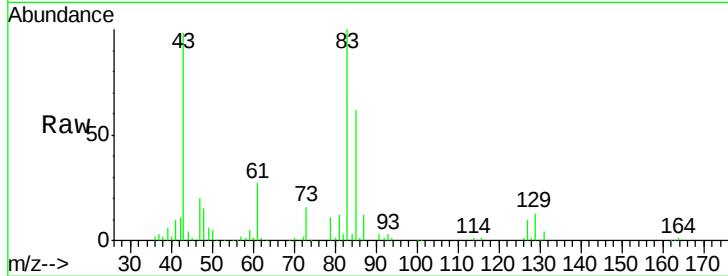
Acq: 04 May 2018 18:32

Tot Ion:	83	Resp:	43041
Ion Ratio	Lower	Upper	
83	100		
85	61.5	50.3	75.5
127	10.2	7.4	11.2

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

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#48

Methyl methacrylate

Concen: 11.093 ug/l

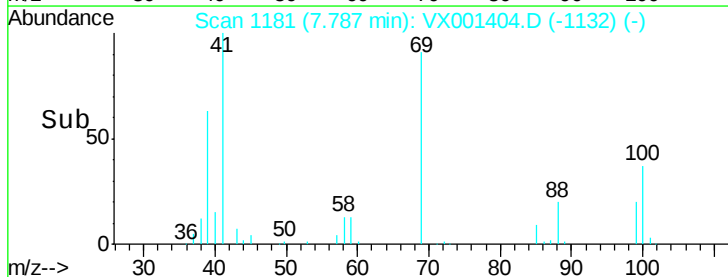
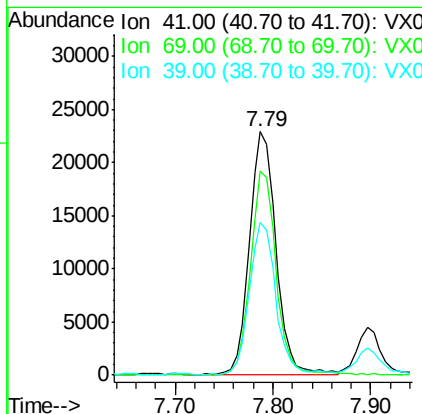
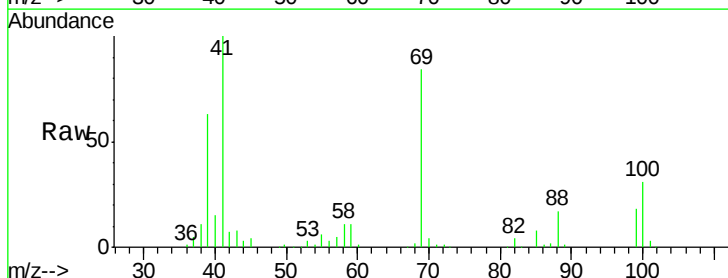
RT: 7.79 min Scan# 1181

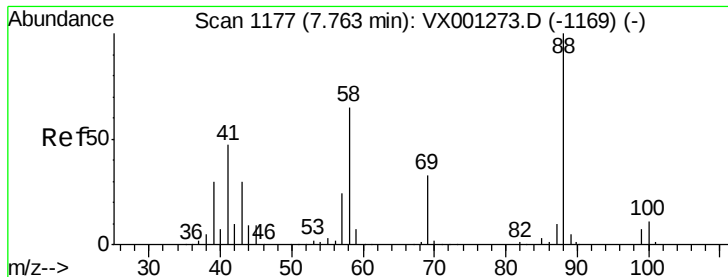
Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Tgt Ion:	41	Resp:	43457
Ion Ratio	Lower	Upper	
41	100		
69	80.7	63.0	94.6
39	63.0	50.2	75.4





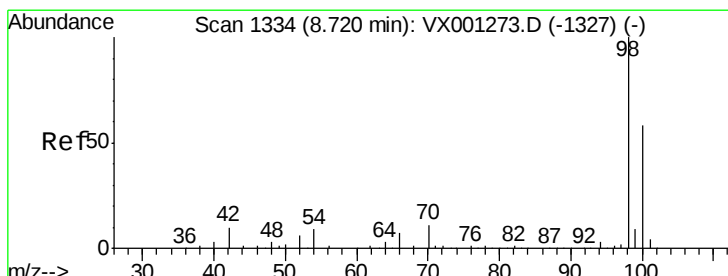
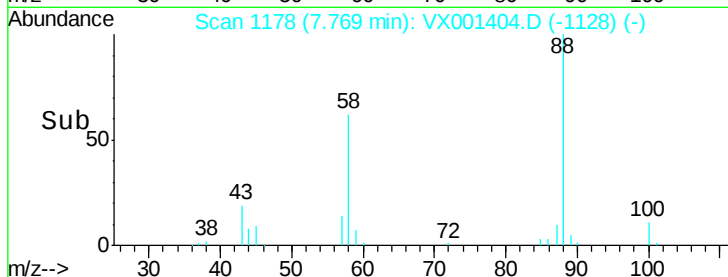
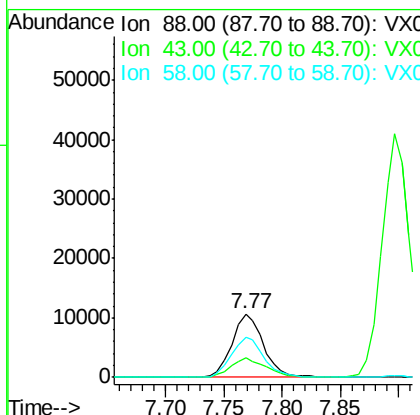
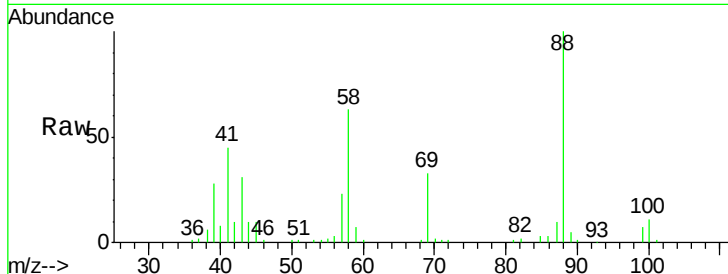
#49
1,4-Dioxane
Concen: 270.318 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	27.9	41.9
58	66.2	54.2	81.2

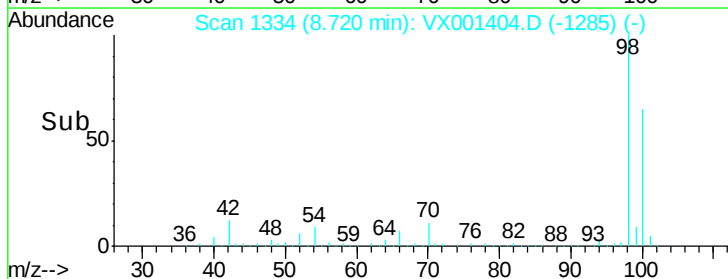
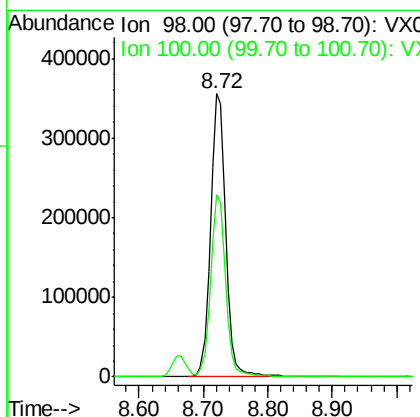
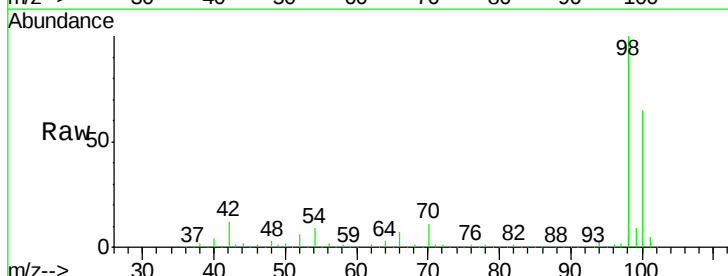
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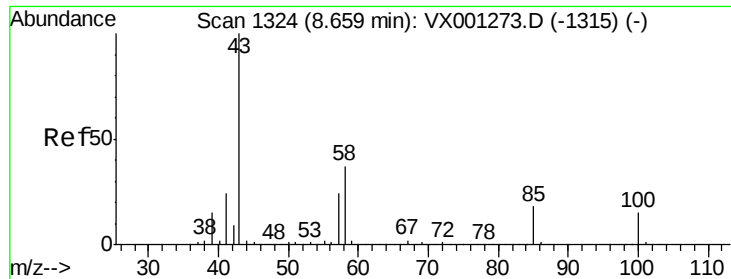
MMDadoda
5/7/2018 7:28:03 PM



#50
Toluene-d8
Concen: 49.059 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 62.430 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion: 43 Resp: 296619

Ion Ratio Lower Upper

43 100

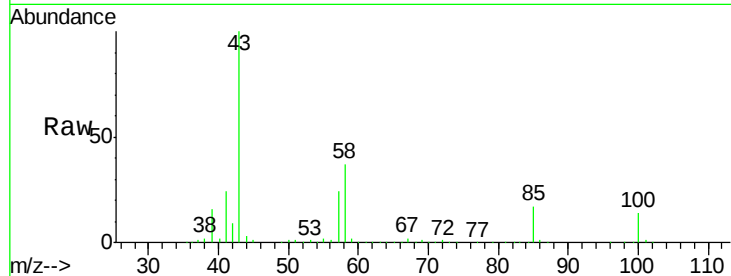
58 36.0 29.0 43.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

200000

150000

100000

50000

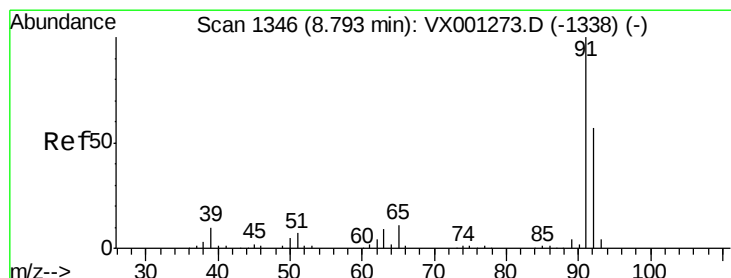
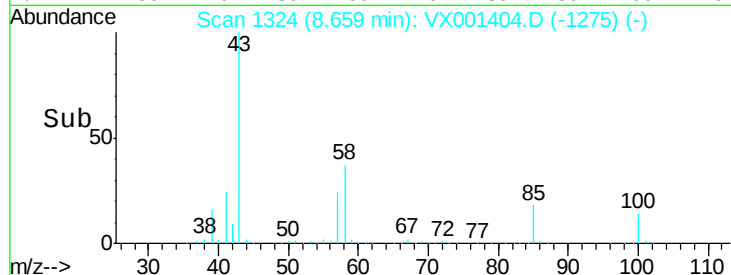
0

8.60

8.70

8.80

Time-->



#52

Toluene

Concen: 10.383 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001404.D

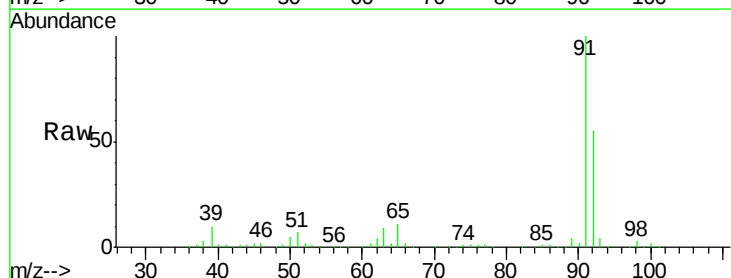
Acq: 04 May 2018 18:32

Tgt Ion: 92 Resp: 88019

Ion Ratio Lower Upper

92 100

91 173.7 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

100000

80000

60000

40000

20000

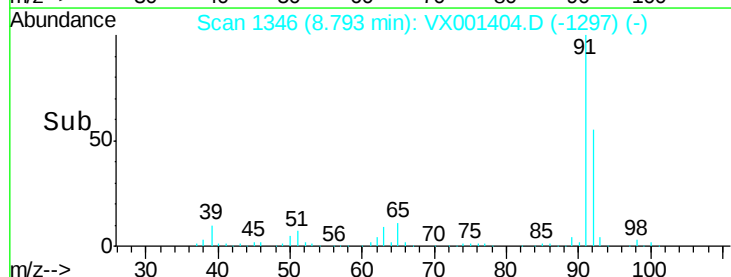
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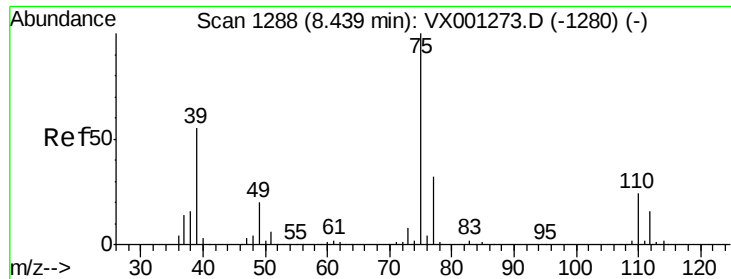
8.70

8.80

8.90

Time-->





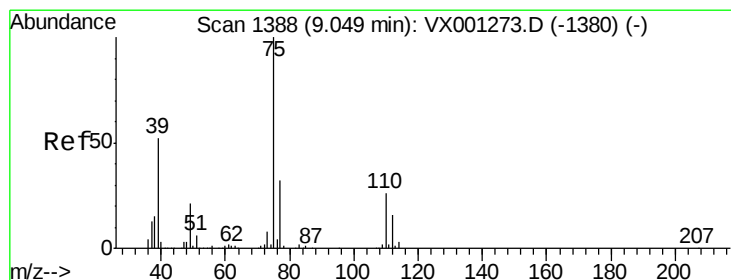
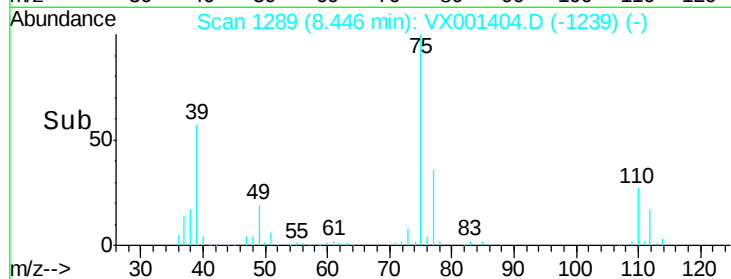
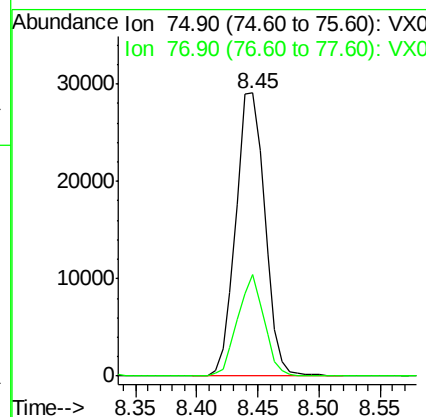
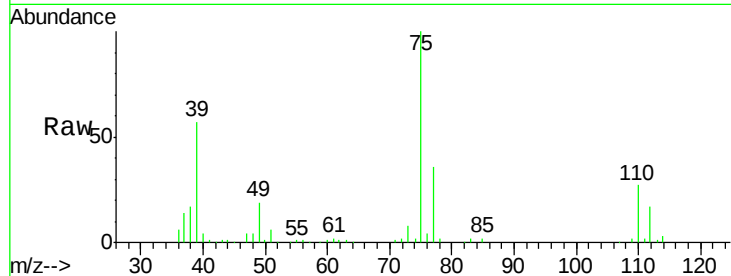
#53
t-1,3-Dichloropropene
Concen: 9.644 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion: 75 Resp: 47873
Ion Ratio Lower Upper
75 100
77 35.9 25.6 38.4

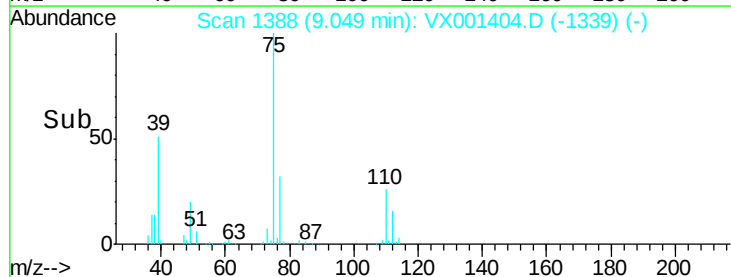
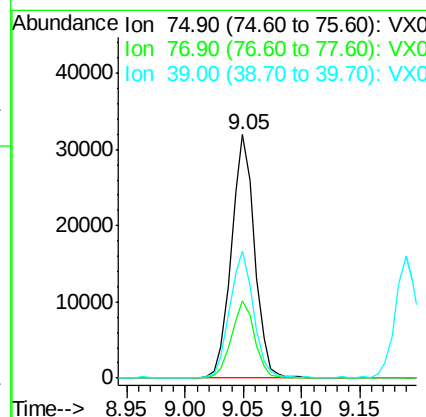
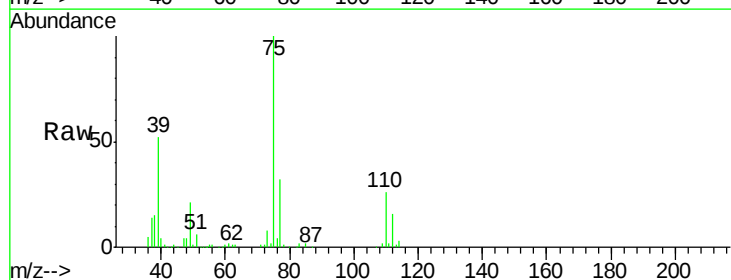
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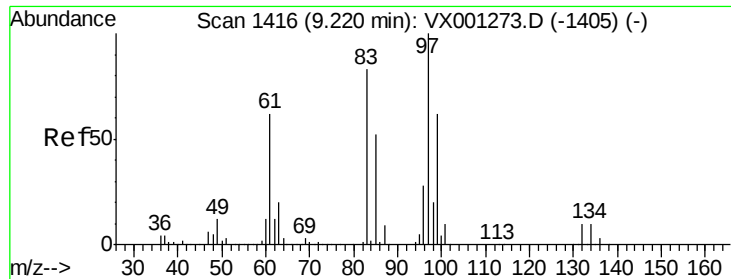
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 9.647 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion: 75 Resp: 44056
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3
39 52.1 41.9 62.9





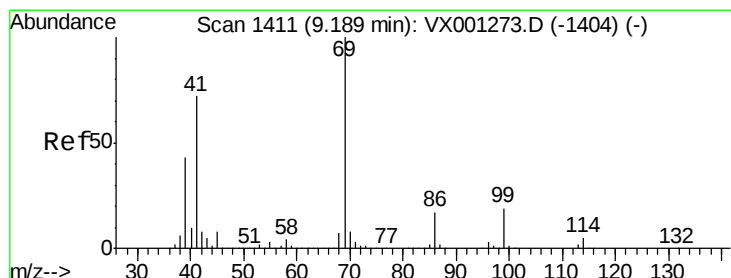
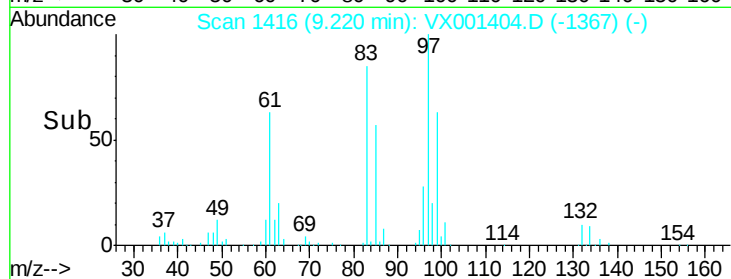
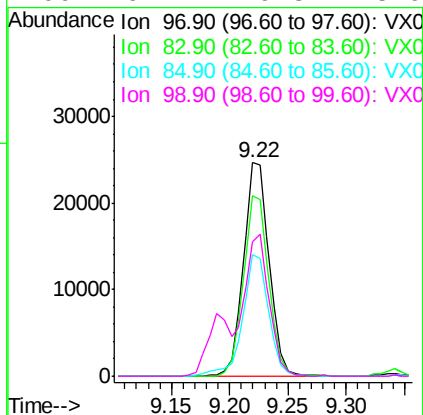
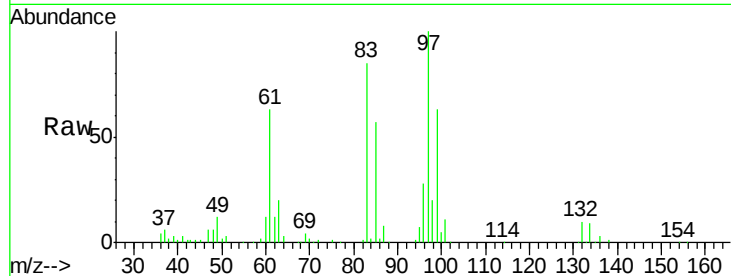
#55
 1,1,2-Trichloroethane
 Concen: 11.067 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

Tot Ion:	97	Resp:	37897
Ion	Ratio	Lower	Upper
97	100		
83	84.5	66.4	99.6
85	57.2	41.6	62.4
99	62.4	49.3	73.9

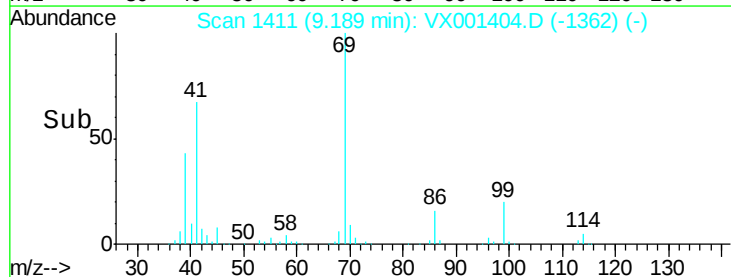
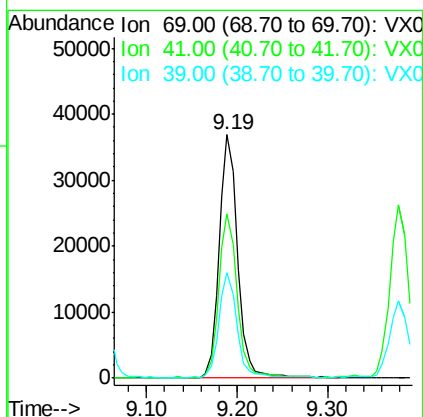
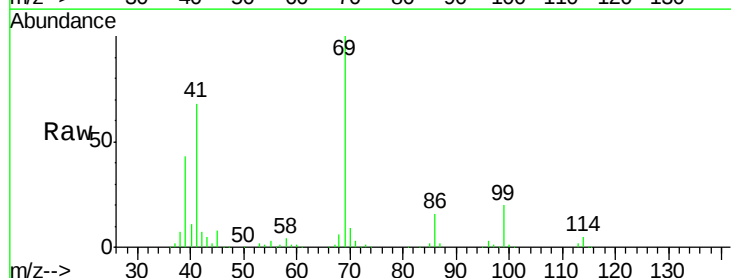
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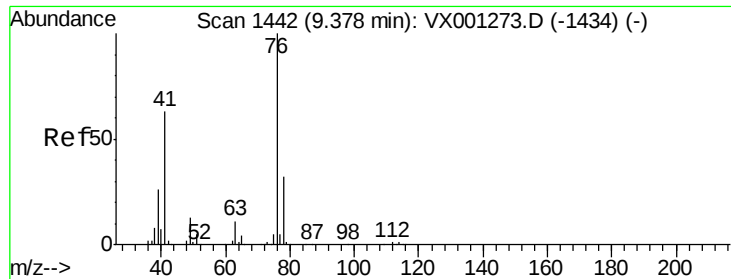
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#56
 Ethyl methacrylate
 Concen: 11.106 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Tgt Ion:	69	Resp:	52695
Ion	Ratio	Lower	Upper
69	100		
41	66.5	57.2	85.8
39	41.6	34.3	51.5





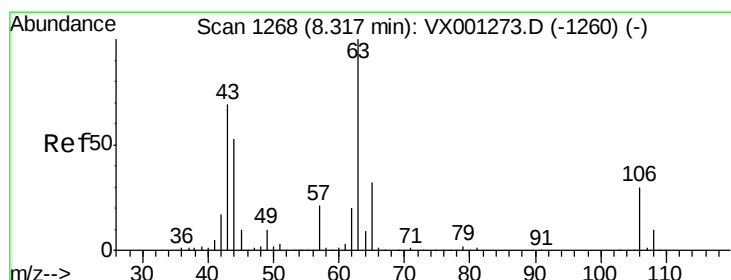
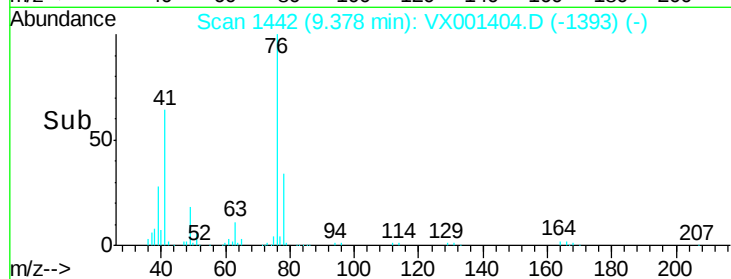
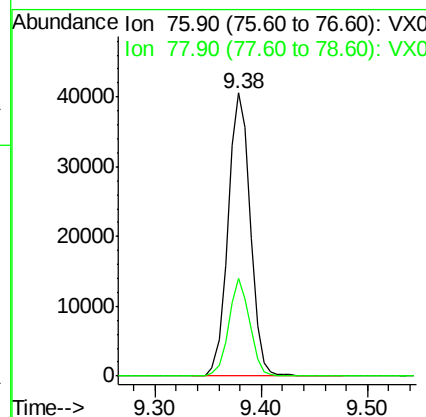
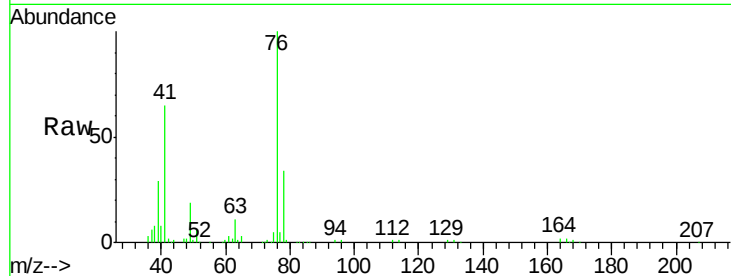
#57
 1,3-Dichloropropane
 Concen: 10.791 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.6	38.4

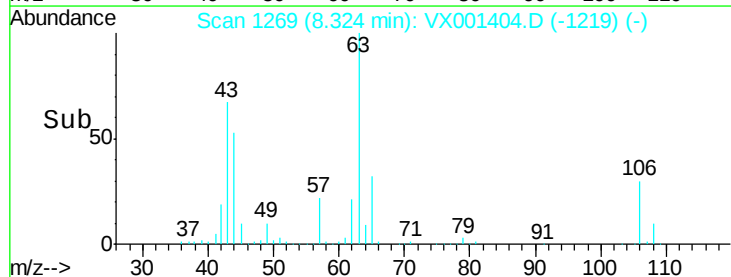
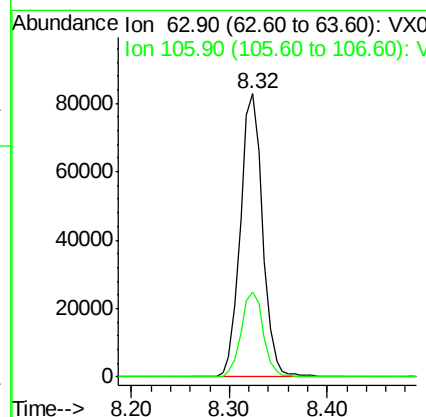
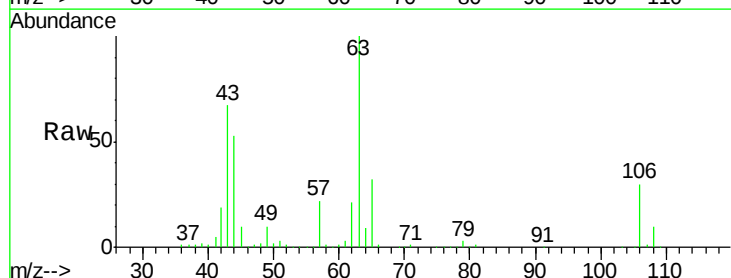
Manual Integrations
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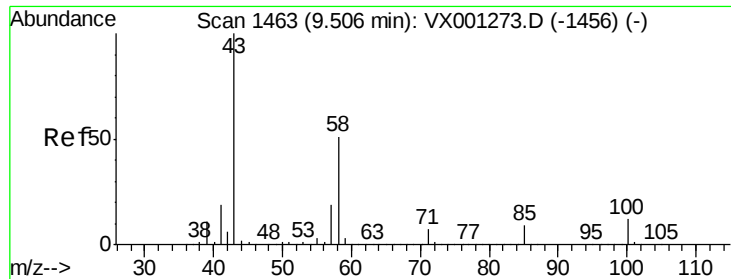
MMDadoda
 5/7/2018 7:28:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 57.256 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.1	23.8	35.6





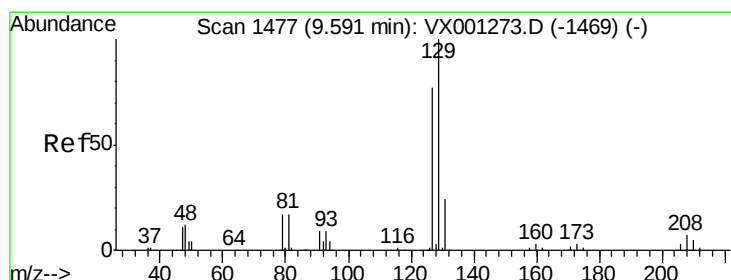
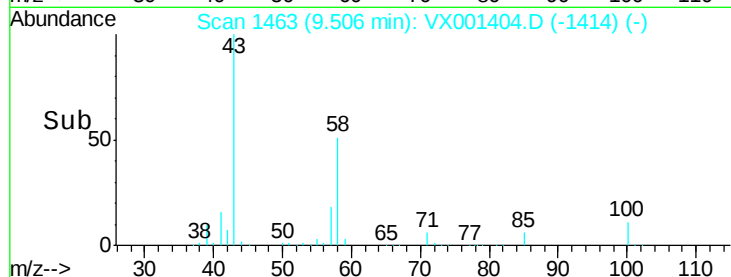
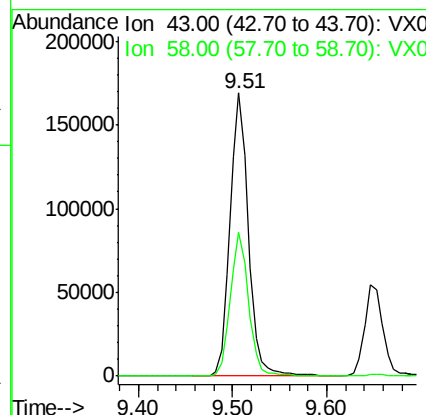
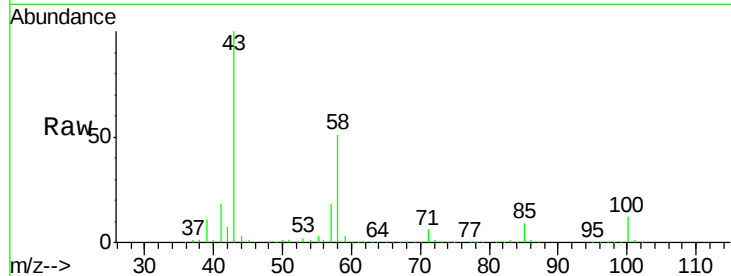
#59
2-Hexanone
Concen: 61.844 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion: 43 Resp: 229655
Ion Ratio Lower Upper
43 100
58 50.9 25.7 77.0

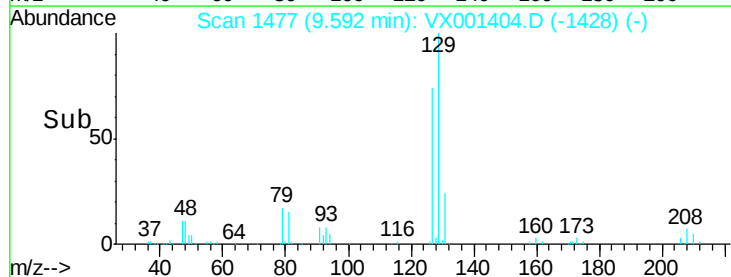
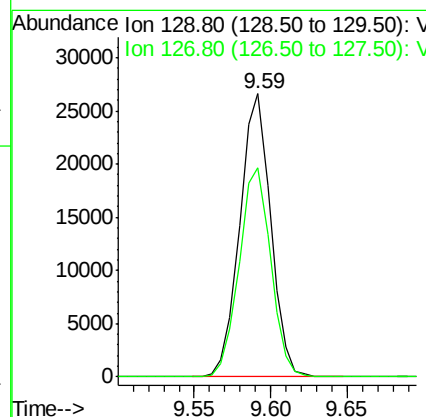
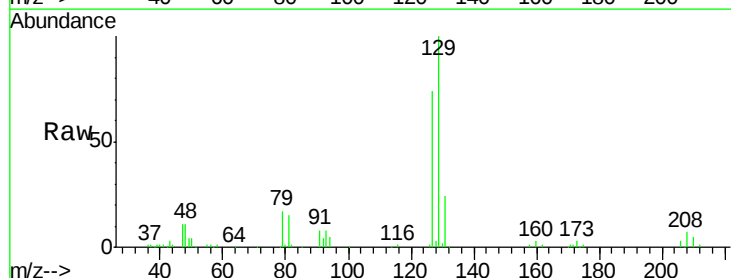
Manual Integrations
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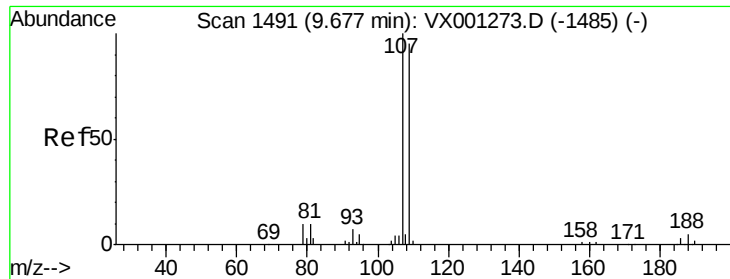
MMDadoda
5/7/2018 7:28:03 PM



#60
Dibromochloromethane
Concen: 10.425 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion: 129 Resp: 37240
Ion Ratio Lower Upper
129 100
127 75.3 39.1 117.3





#61

1,2-Dibromoethane

Concen: 10.920 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion:107 Resp: 39631

Ion Ratio Lower Upper

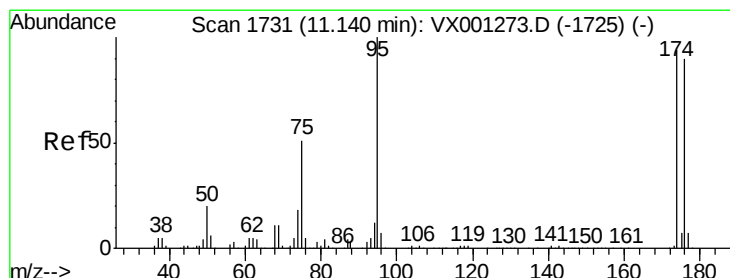
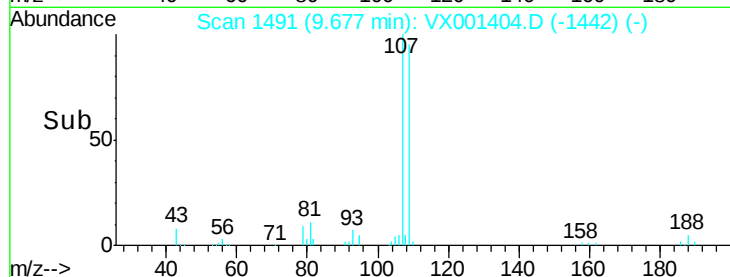
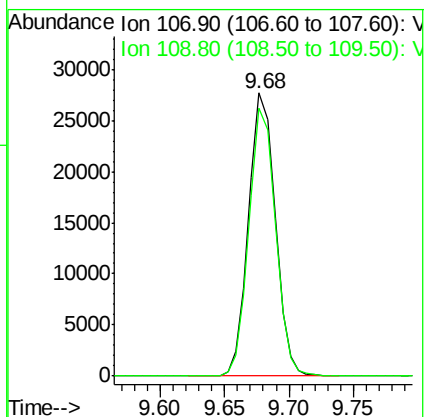
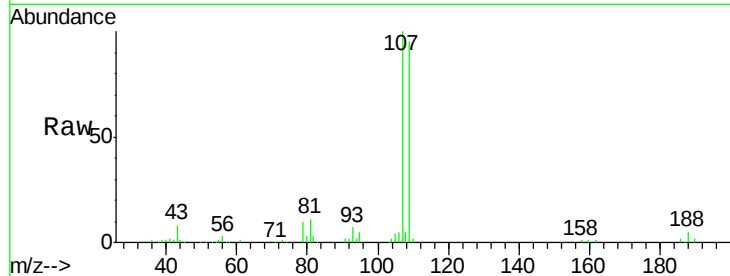
107 100

109 94.2 75.4 113.2

Manual Integrations
APPROVED

MMDadoda

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#62

4-Bromofluorobenzene

Concen: 43.239 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

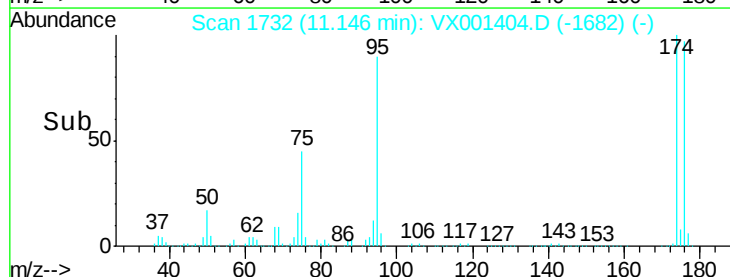
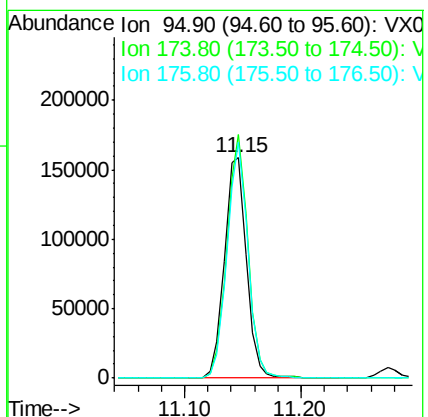
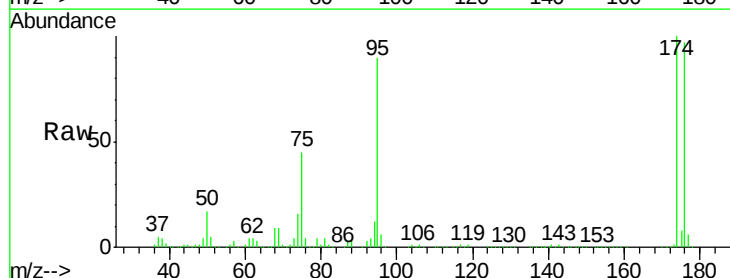
Tgt Ion: 95 Resp: 207896

Ion Ratio Lower Upper

95 100

174 105.7 0.0 201.8

176 101.8 0.0 197.2





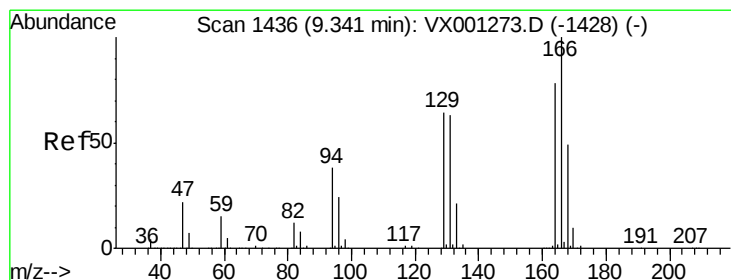
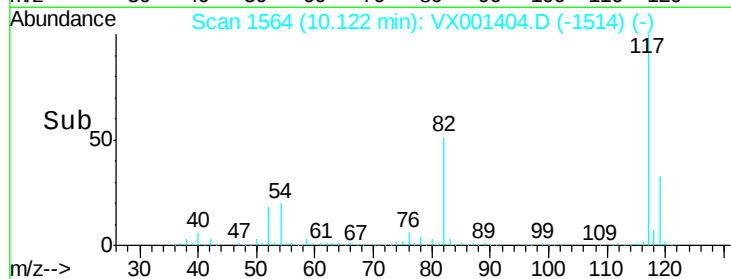
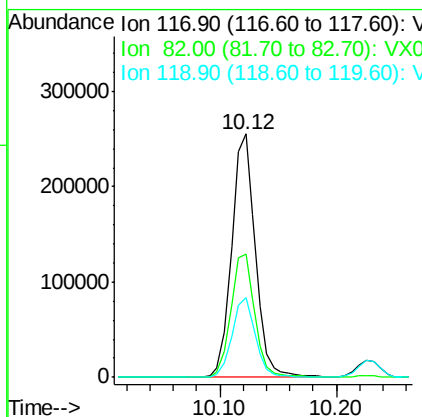
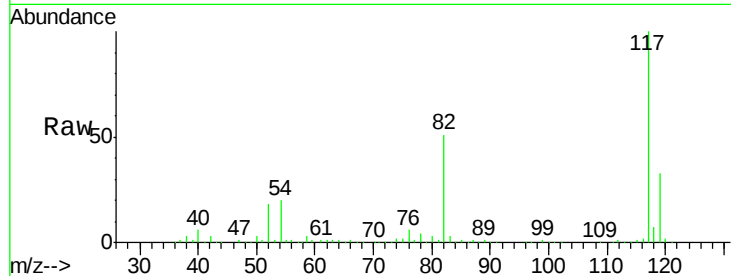
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	41.4	62.0
119	32.8	25.5	38.3

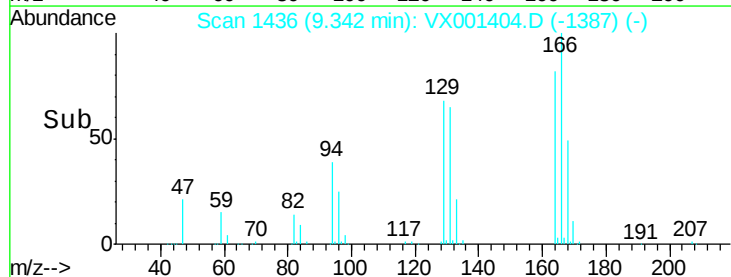
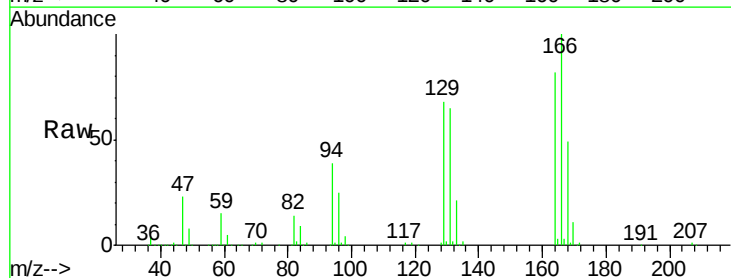
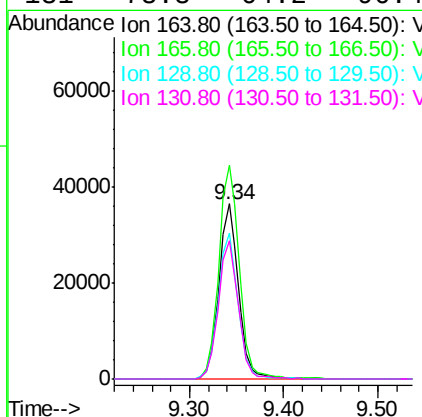
Manual Integrations
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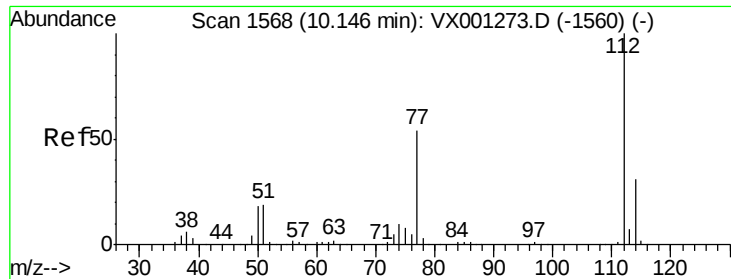
MMDadoda
5/7/2018 7:28:03 PM



#64
Tetrachloroethene
Concen: 12.294 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.0	102.3	153.5
129	83.5	65.1	97.7
131	78.8	64.2	96.4





#65

Chlorobenzene

Concen: 10.521 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion:112 Resp: 103598

Ion Ratio Lower Upper

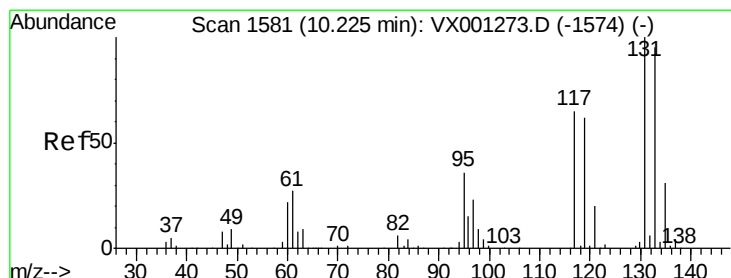
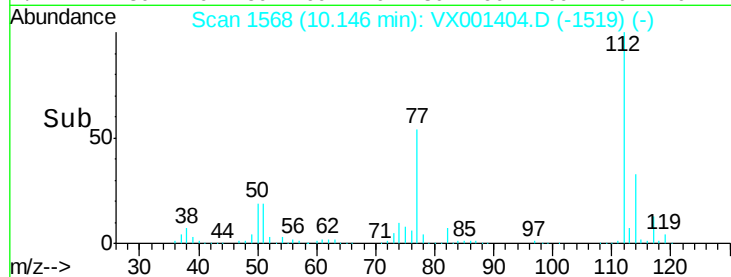
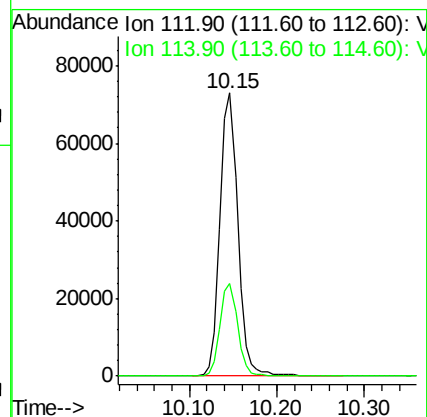
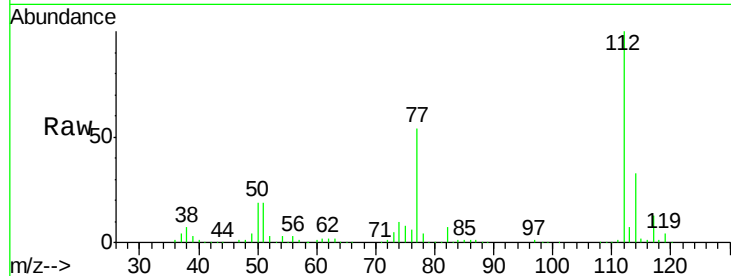
112 100

114 32.5 24.8 37.2

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 11.023 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

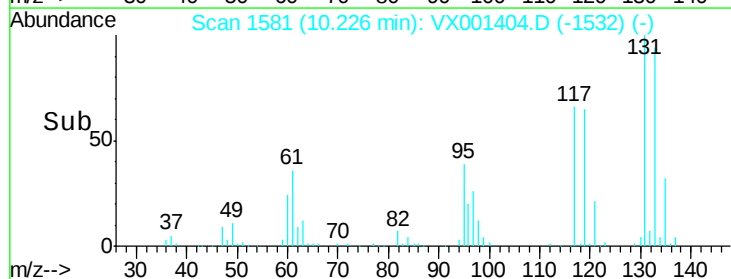
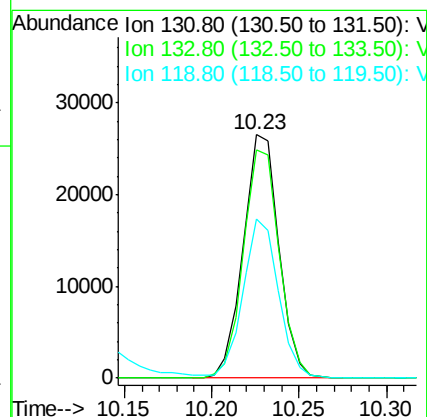
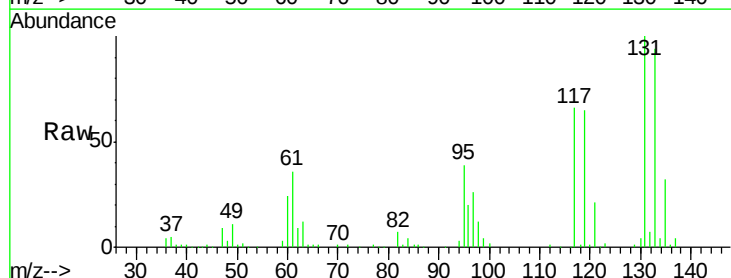
Tgt Ion:131 Resp: 37678

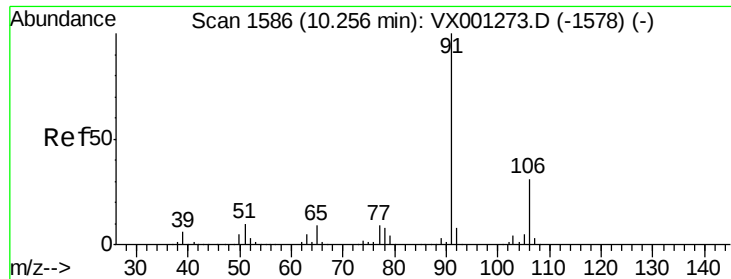
Ion Ratio Lower Upper

131 100

133 94.5 48.3 144.9

119 64.8 31.2 93.6





#67

Ethyl Benzene

Concen: 10.168 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampled :

VX0504WBSD01

Tot Ion: 91 Resp: 164986

Ion Ratio Lower Upper

91 100

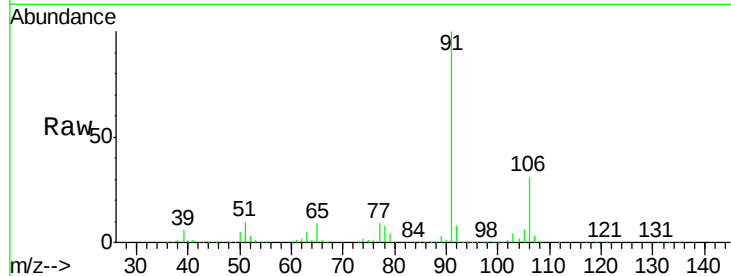
106 30.5 24.9 37.3

Manual Integrations

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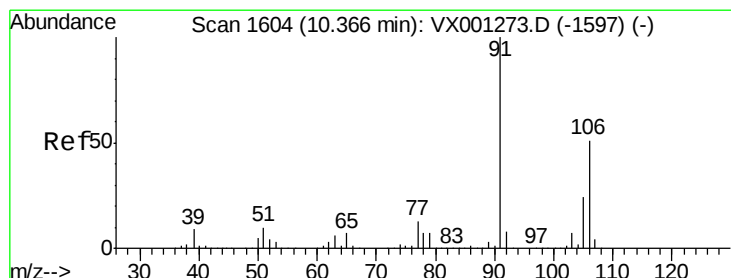
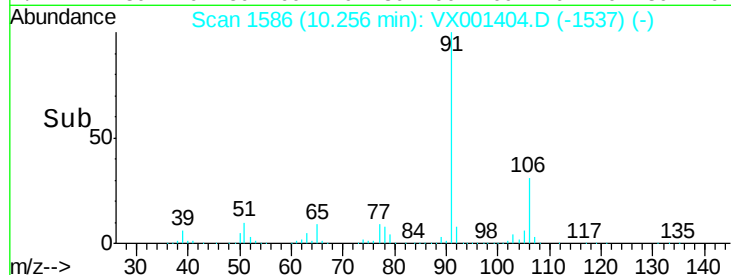
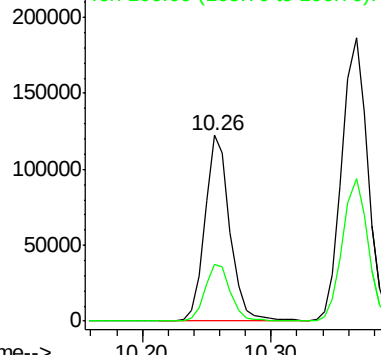
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 20.274 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001404.D

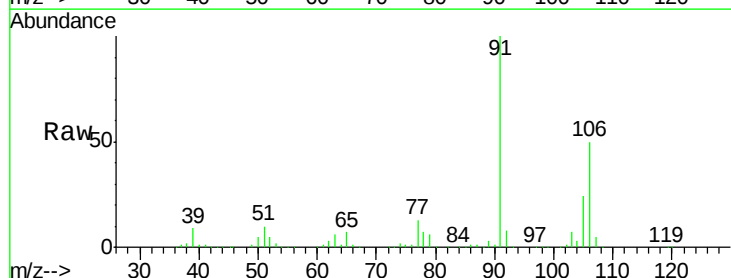
Acq: 04 May 2018 18:32

Tgt Ion: 106 Resp: 129450

Ion Ratio Lower Upper

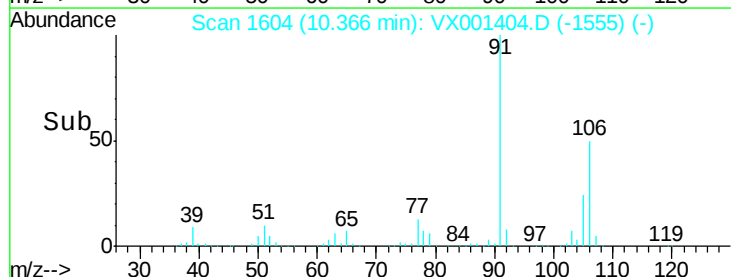
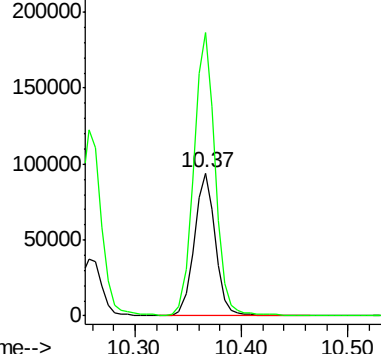
106 100

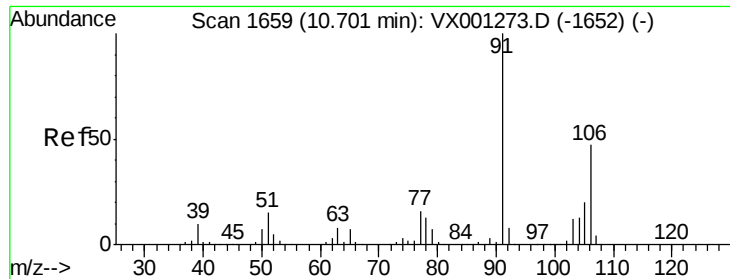
91 202.2 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





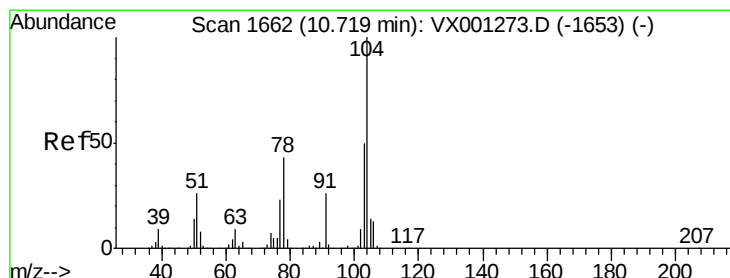
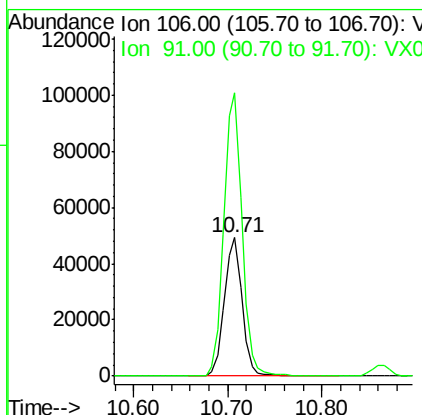
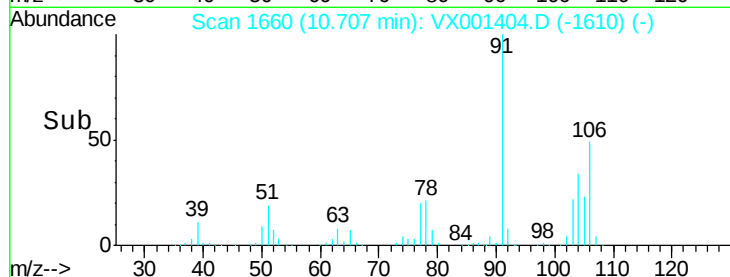
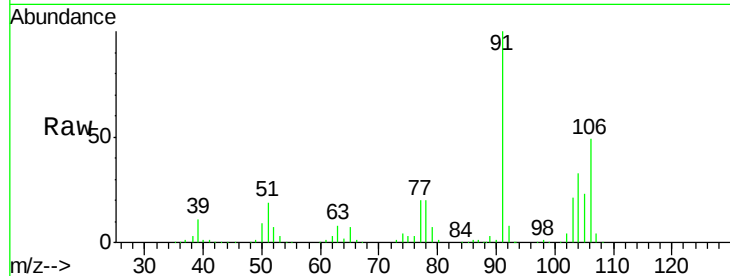
#69
o-Xylene
Concen: 10.427 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion:106 Resp: 64568
Ion Ratio Lower Upper
106 100
91 209.6 106.3 319.0

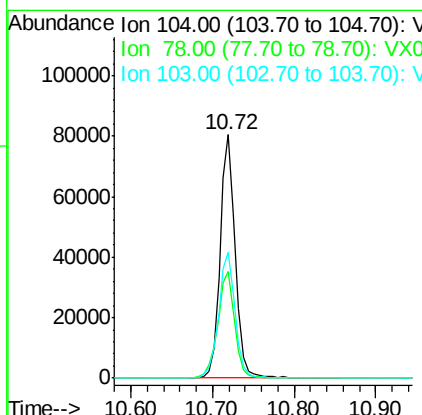
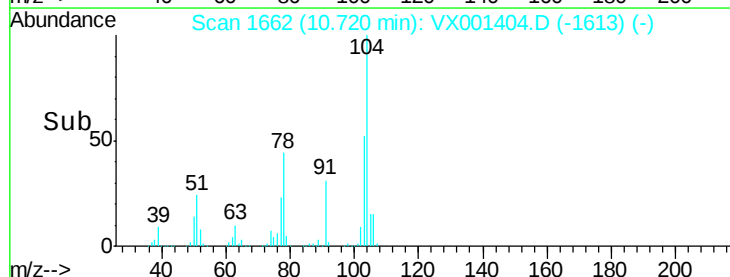
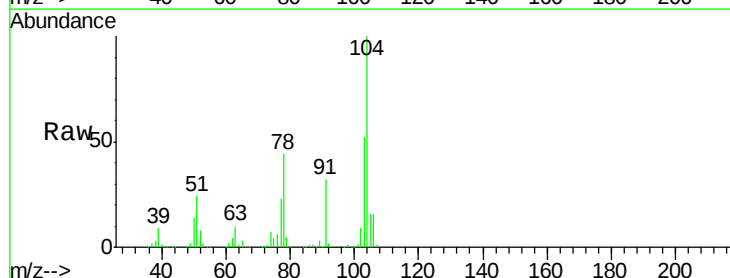
Manual Integrations
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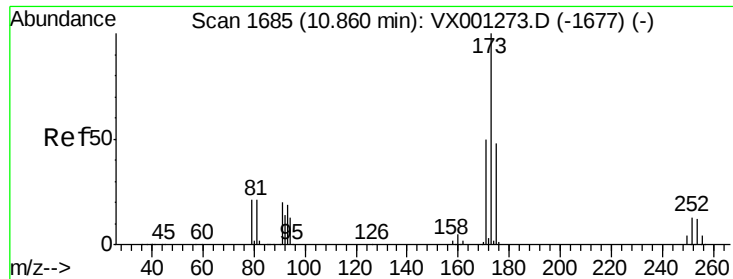
MMDadoda
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#70
Styrene
Concen: 10.312 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion:104 Resp: 104436
Ion Ratio Lower Upper
104 100
78 49.7 40.1 60.1
103 56.4 44.5 66.7





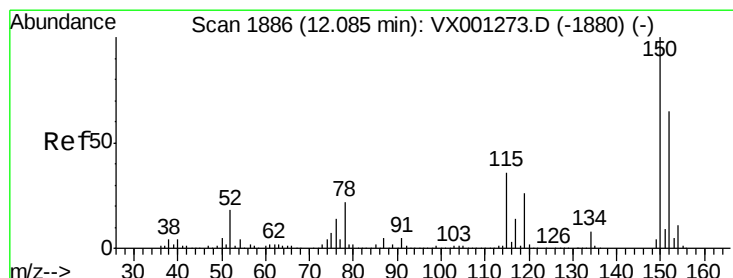
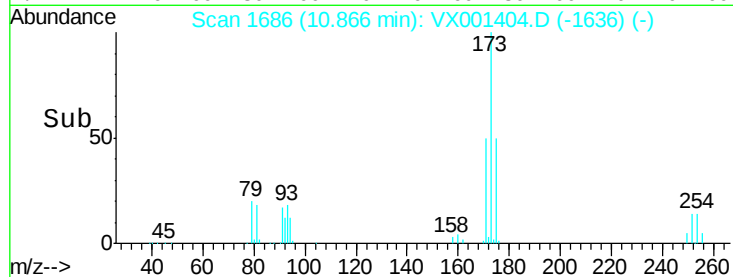
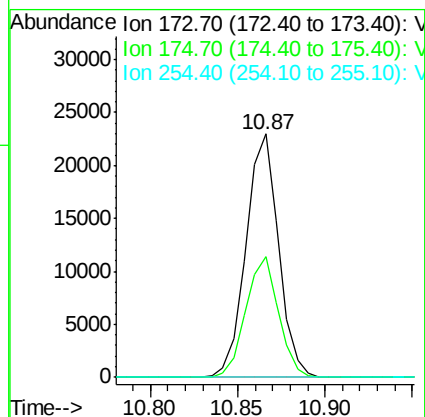
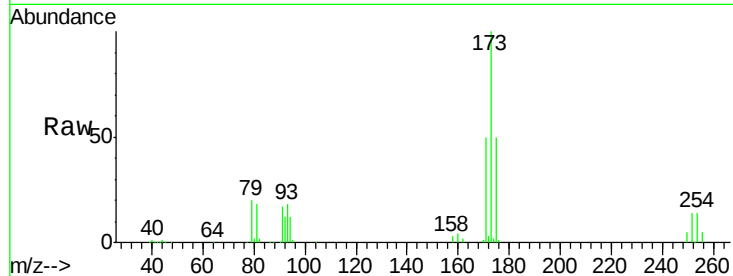
#71
Bromoform
Concen: 12.188 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	74.0
254	0.0	0.2	0.2#

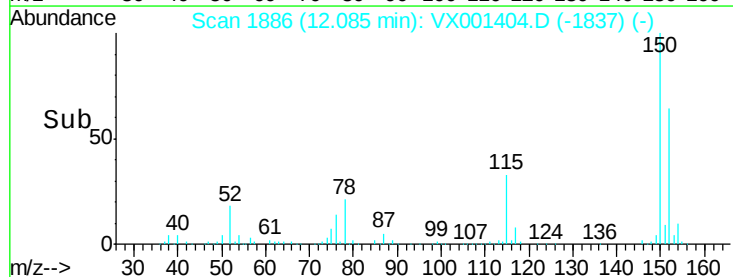
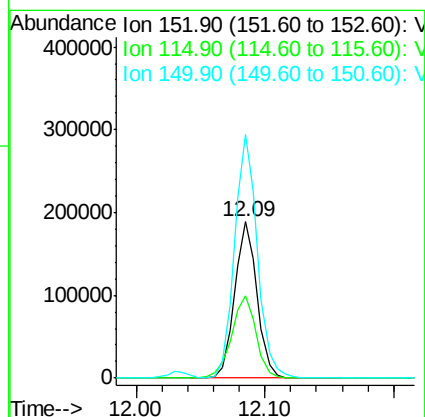
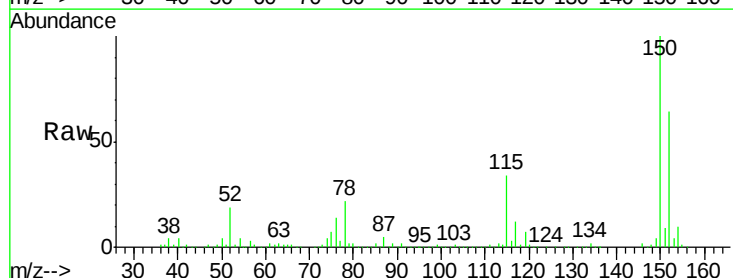
Manual Integrations
APPROVED

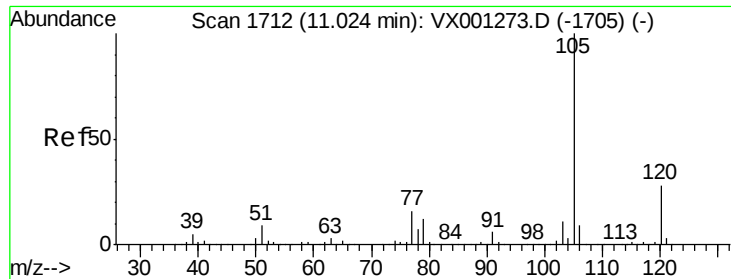
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	38.6	115.7
150	160.0	0.0	349.2





#73

Isopropylbenzene

Concen: 11.248 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion:105 Resp: 171191

Ion Ratio Lower Upper

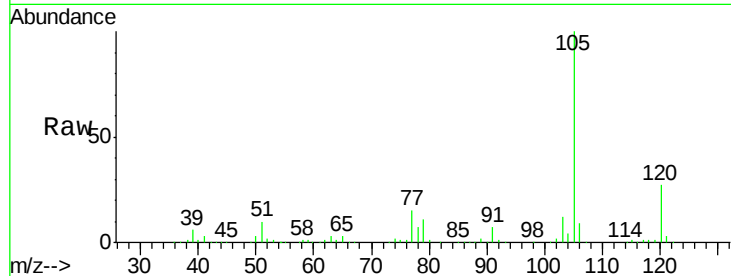
105 100

120 27.3 13.7 41.1

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

Ion 120.00 (119.70 to 120.70): V

150000

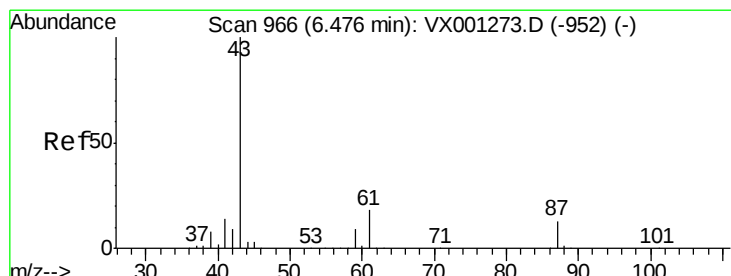
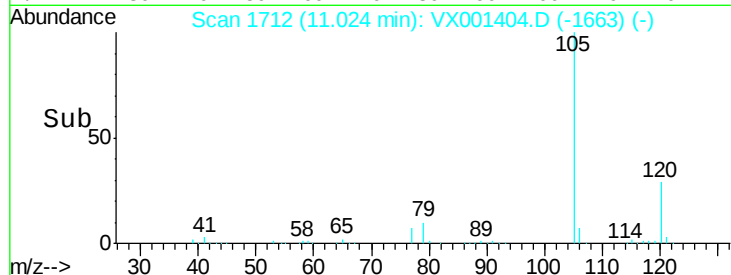
11.02

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 12.502 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Tgt Ion: 43 Resp: 81624

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 18.8 15.0 22.4

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

50000

6.48

40000

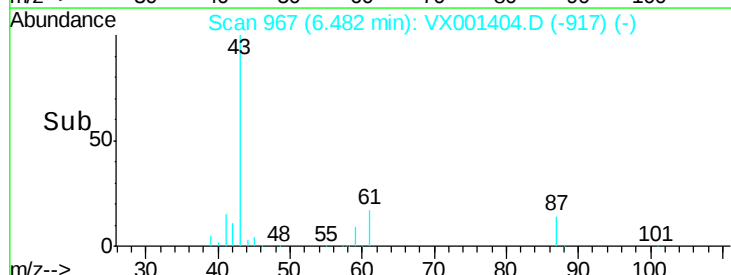
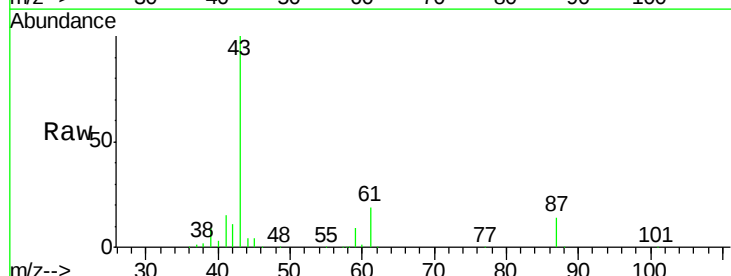
30000

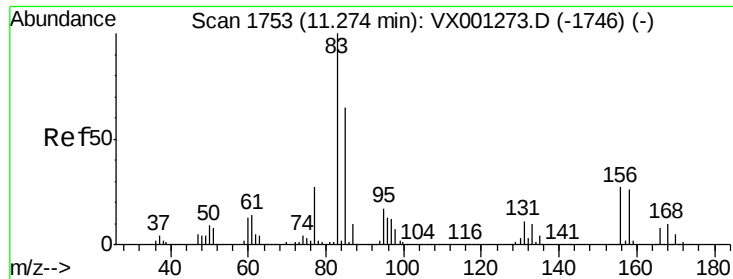
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 11.914 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

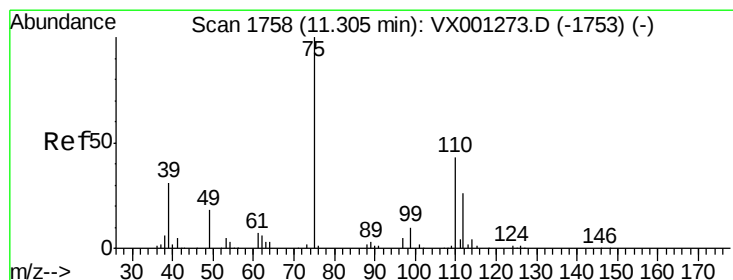
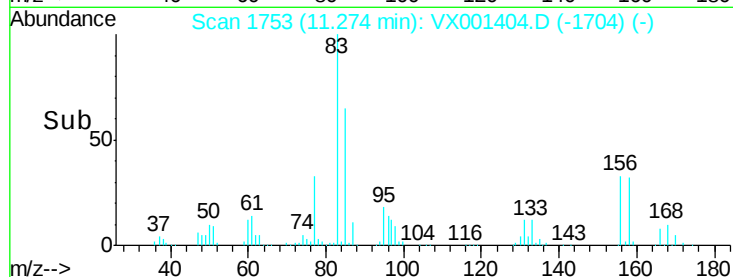
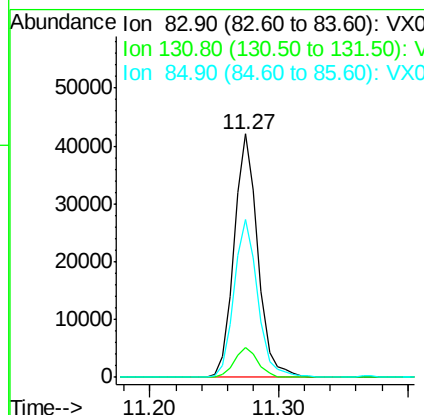
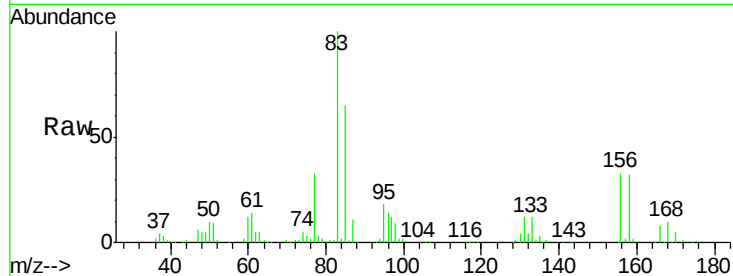
ClientSampleId :

VX0504WBSD01

Tot Ion:	83	Resp:	54324
Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.8	17.3
85	64.8	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 12.642 ug/l m

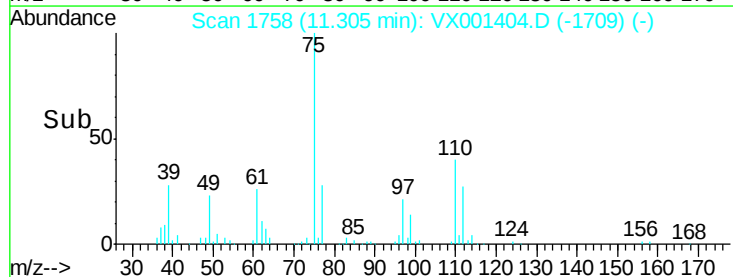
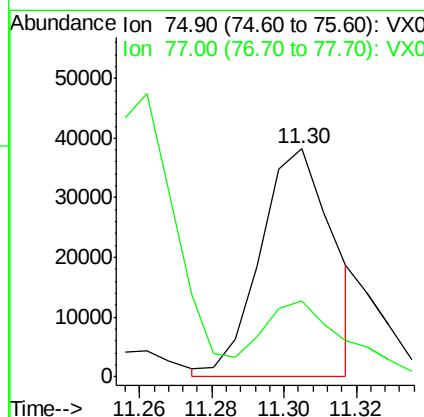
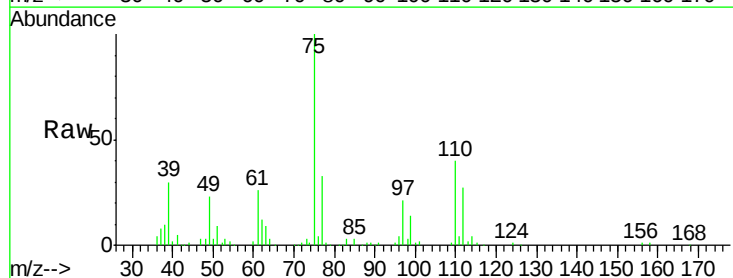
RT: 11.30 min Scan# 1758

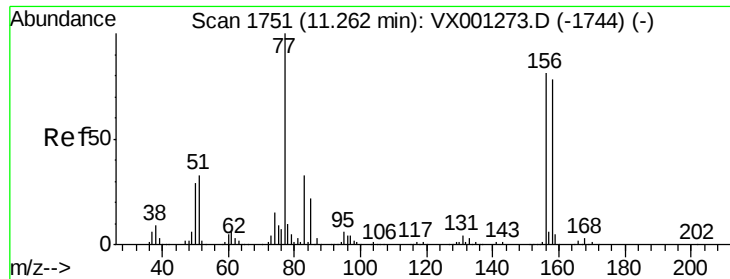
Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Tgt Ion:	75	Resp:	53183
Ion	Ratio	Lower	Upper
75	100		
77	37.6	18.9	56.5





#77

Bromobenzene

Concen: 11.782 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion:156 Resp: 51718

Ion Ratio Lower Upper

156 100

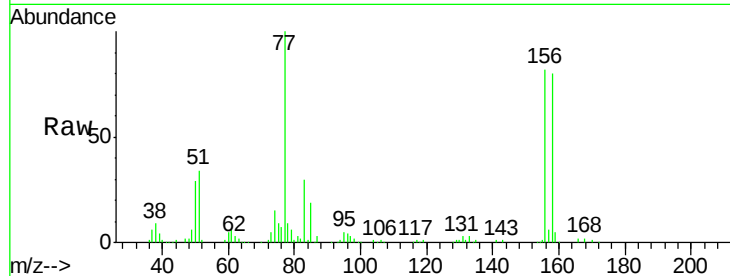
77 124.7 65.3 195.8

158 96.8 48.5 145.5

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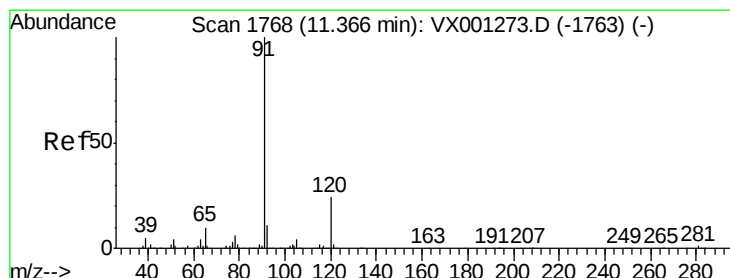
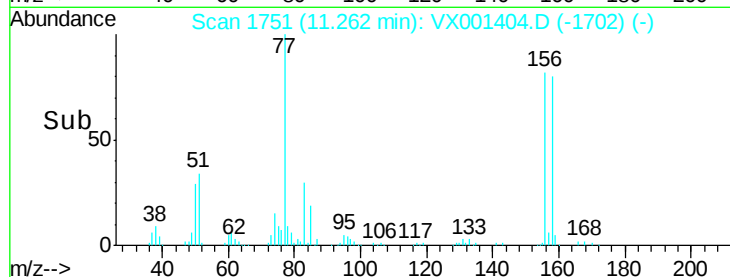
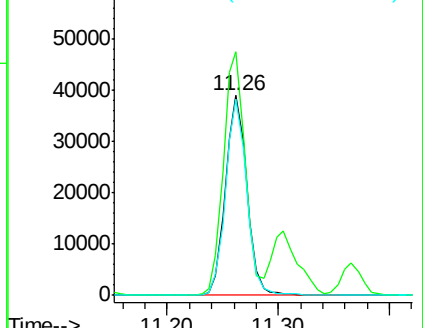
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 11.167 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001404.D

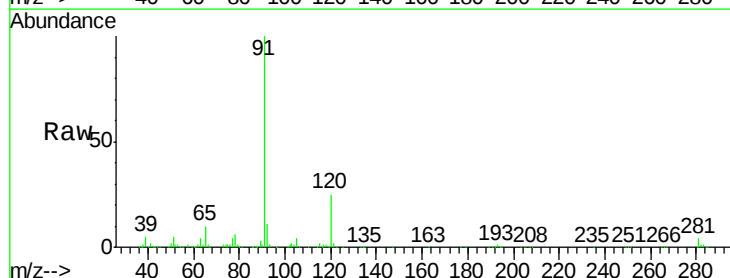
Acq: 04 May 2018 18:32

Tgt Ion: 91 Resp: 188871

Ion Ratio Lower Upper

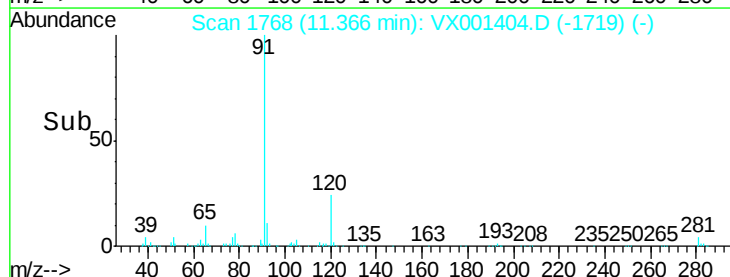
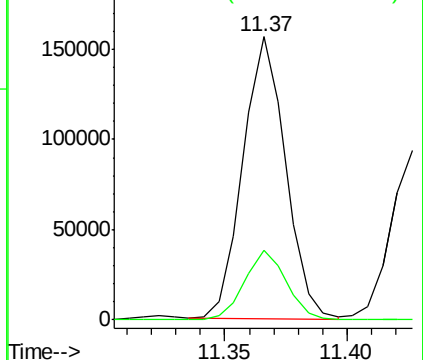
91 100

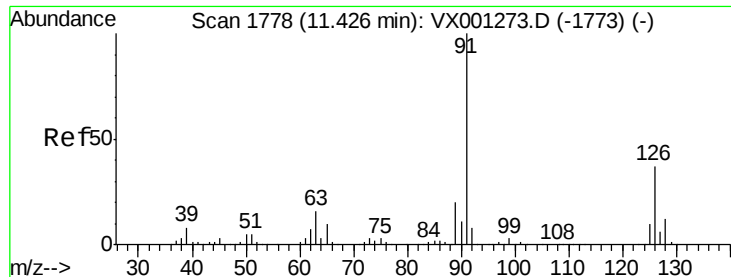
120 24.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





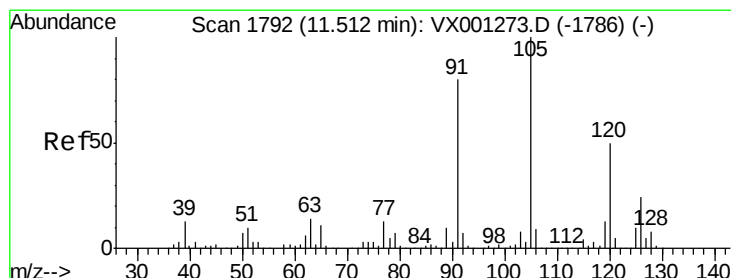
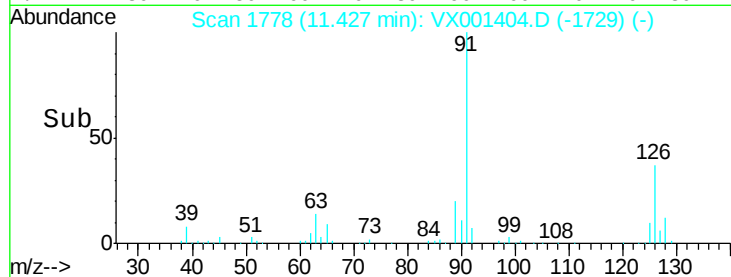
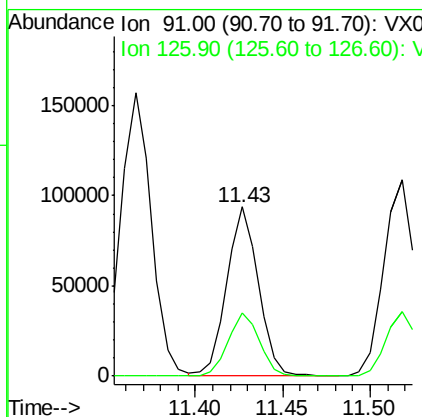
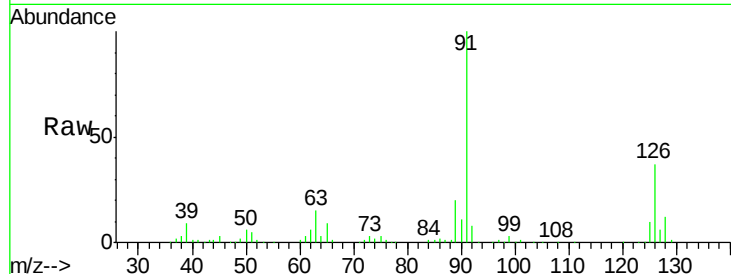
#79
 2-Chlorotoluene
 Concen: 11.403 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Instrument :
 MSVOA_X
 ClientSampled :
 VX0504WBSD01

Tot Ion: 91 Resp: 116373
 Ion Ratio Lower Upper
 91 100
 126 38.0 18.4 55.4

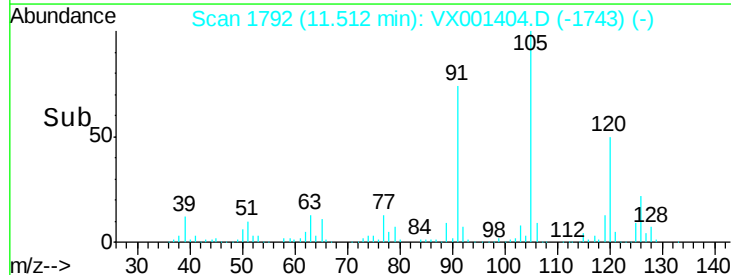
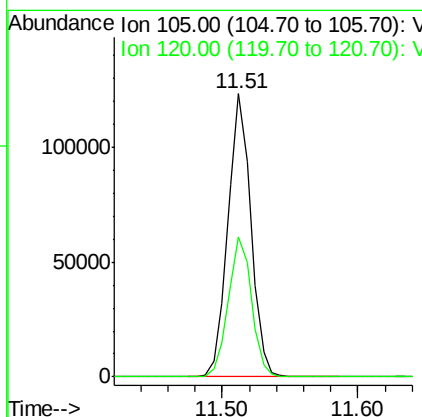
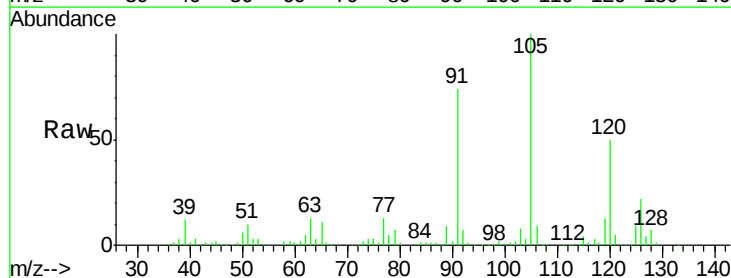
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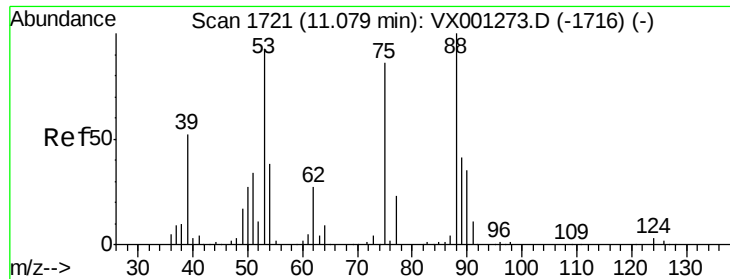
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 11.319 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Tgt Ion: 105 Resp: 144674
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.6 74.0





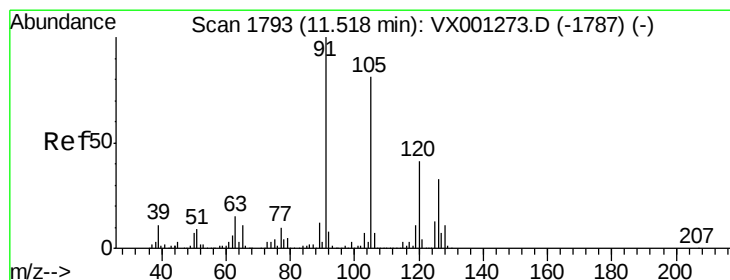
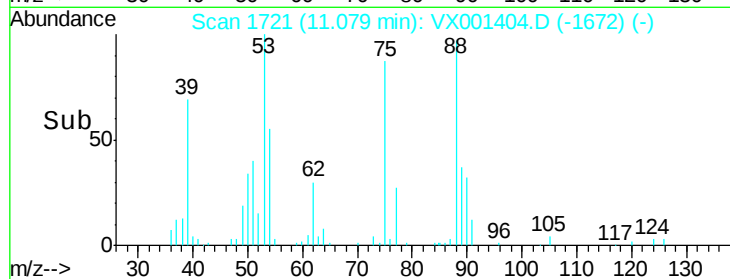
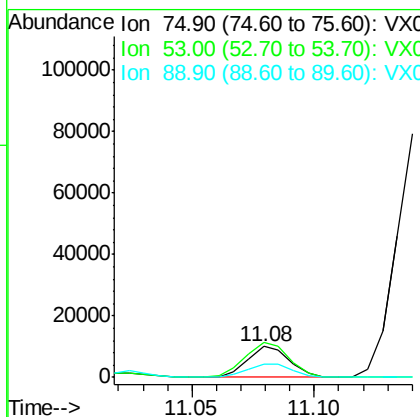
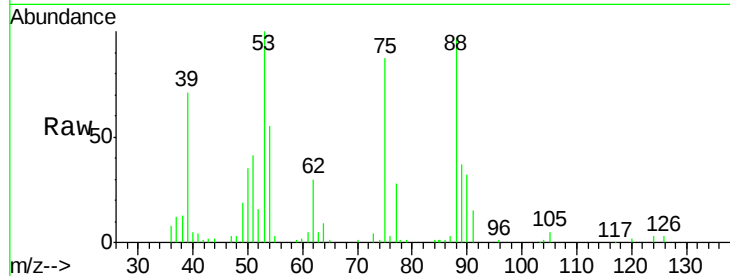
#81
trans-1,4-Dichloro-2-butene
Concen: 12.823 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.7	87.1	130.7
89	47.3	38.9	58.3

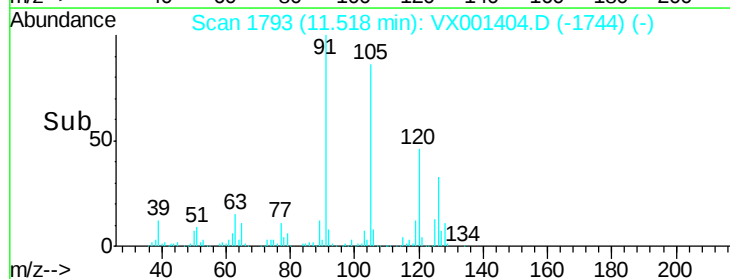
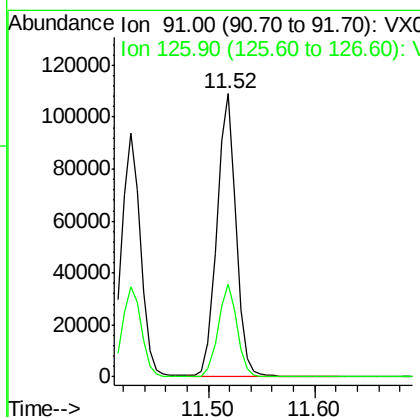
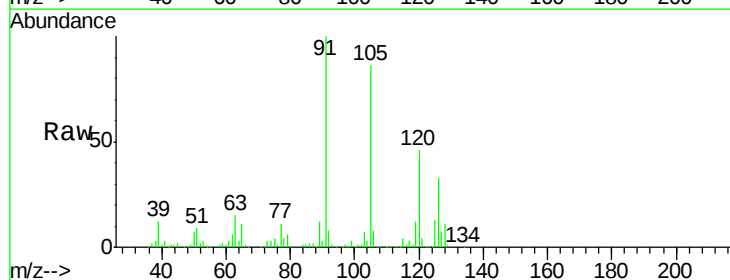
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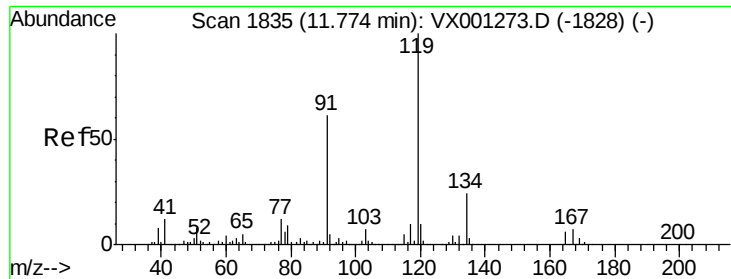
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#82
4-Chlorotoluene
Concen: 11.090 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.2





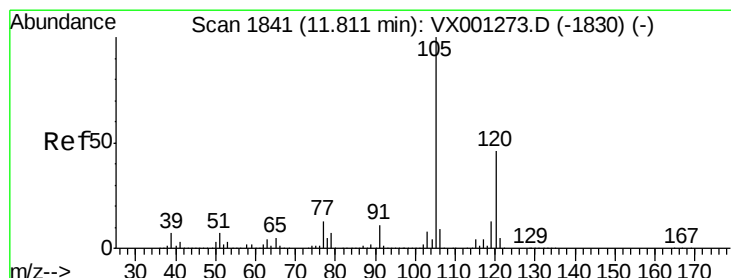
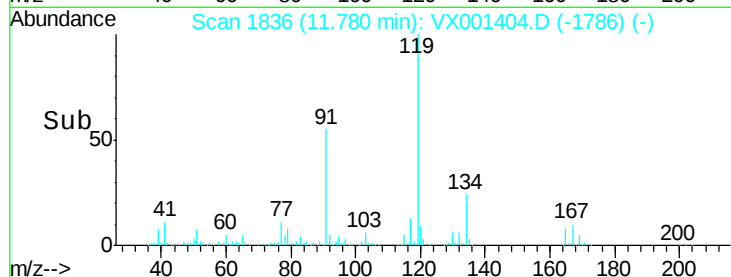
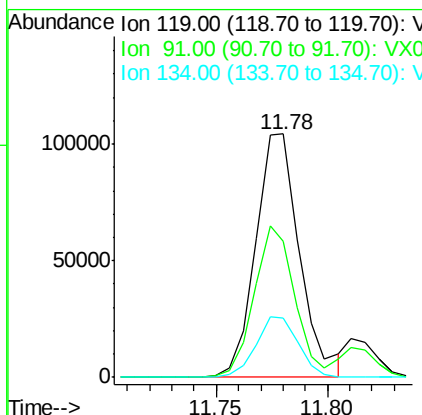
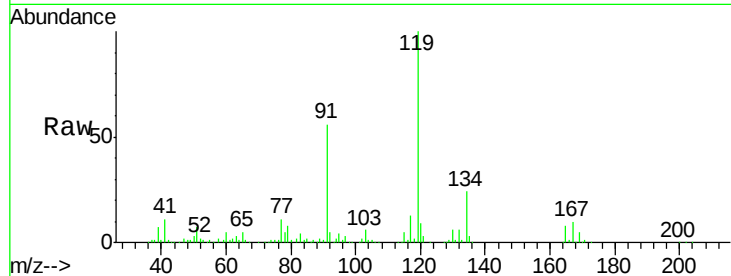
#83
tert-Butylbenzene
Concen: 11.249 ug/l
RT: 11.78 min Scan# 1836
Delta R.T. 0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	143369		
91	57.3	28.1	84.3	
134	24.1	11.8	35.3	

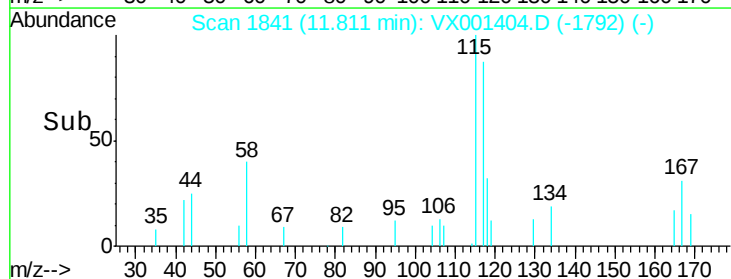
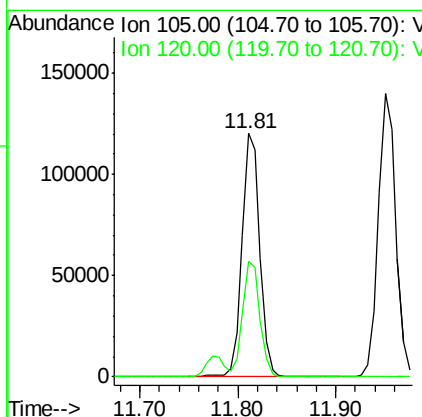
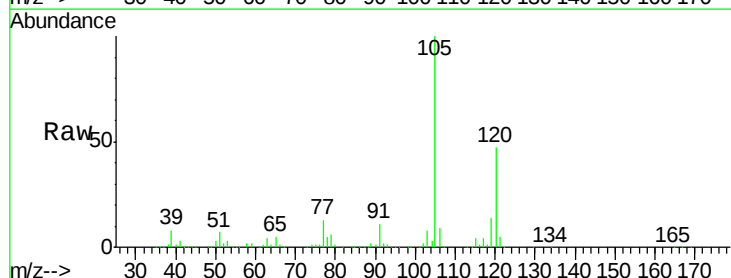
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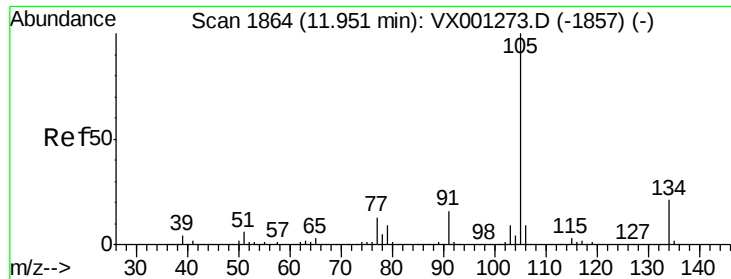
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#84
1,2,4-Trimethylbenzene
Concen: 11.531 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	151026		
120	46.2	22.7	68.1	





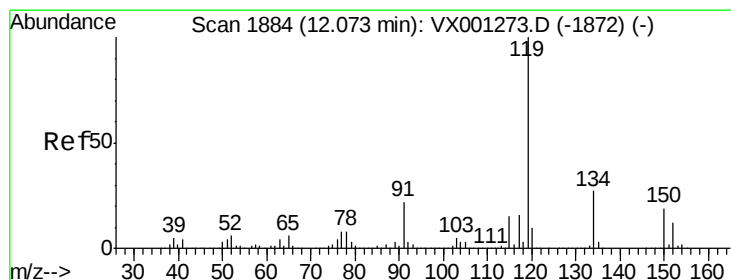
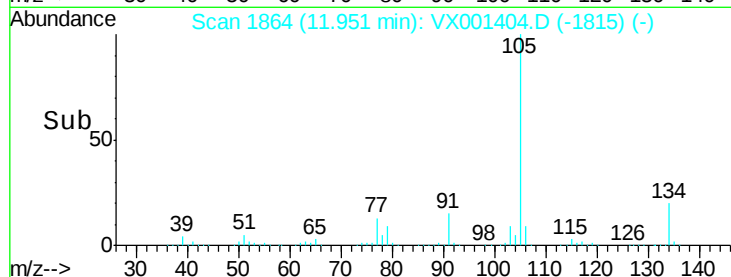
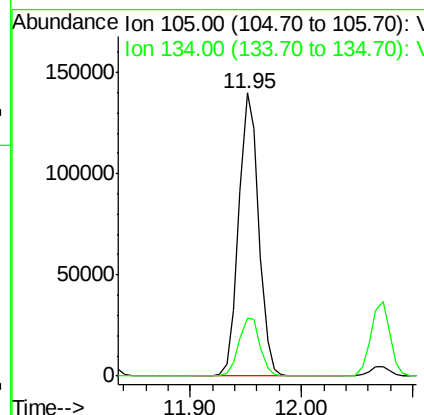
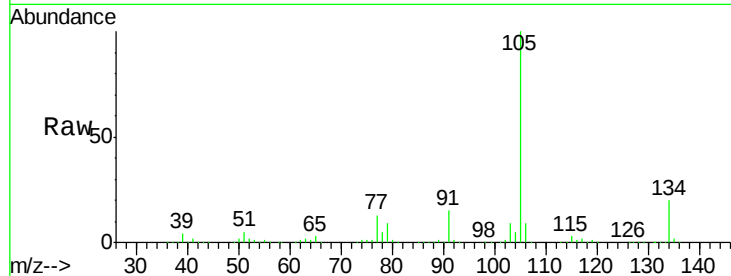
#85
 sec-Butylbenzene
 Concen: 11.384 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

Tot Ion:105 Resp: 173588
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.7 31.9

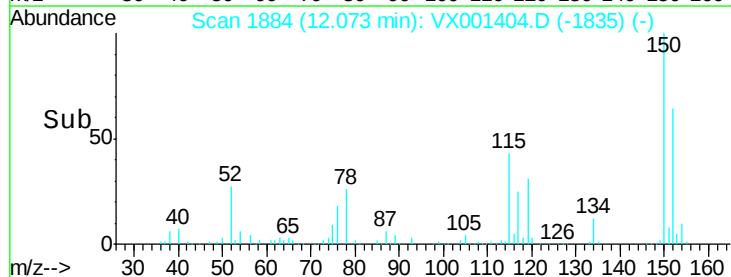
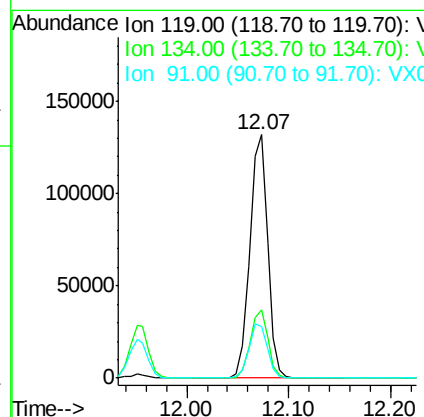
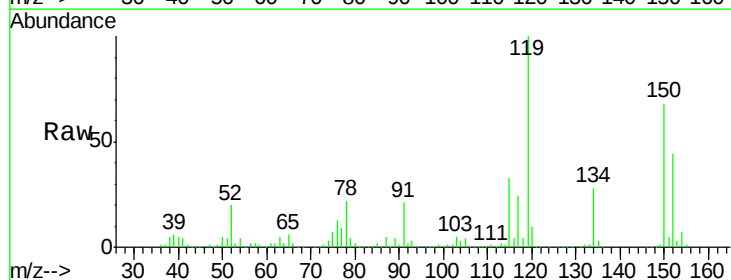
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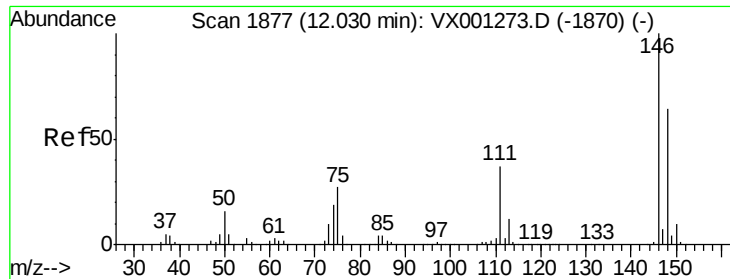
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#86
 p-Isopropyltoluene
 Concen: 11.412 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Tgt Ion:119 Resp: 159629
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.6 40.7
 91 23.1 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 10.964 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

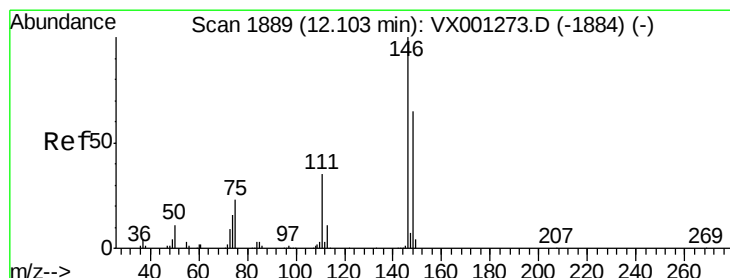
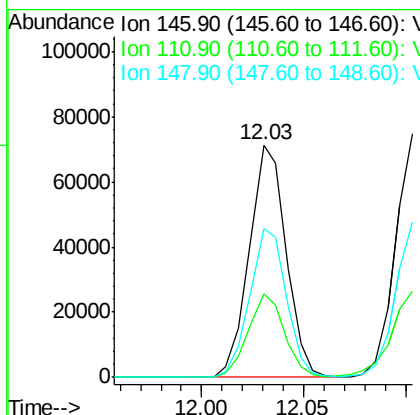
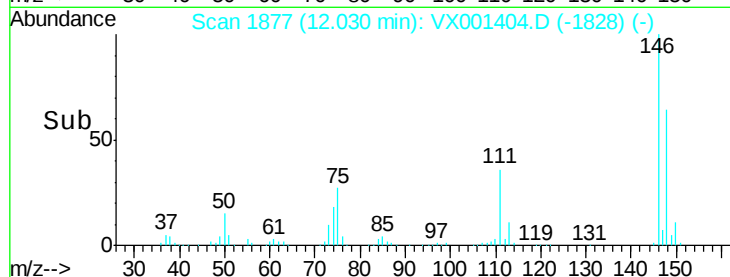
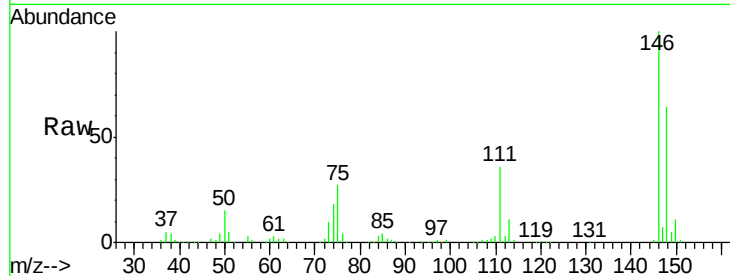
ClientSampleId :

VX0504WBSD01

Tot Ion:	146	Resp:	89868
Ion Ratio	Lower	Upper	
146	100		
111	35.4	18.4	55.2
148	64.1	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 10.787 ug/l

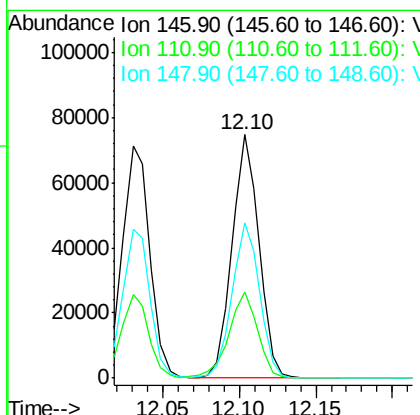
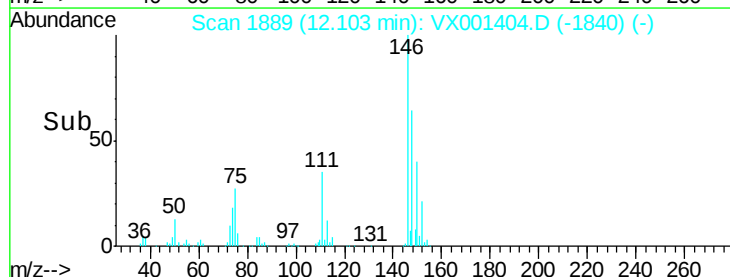
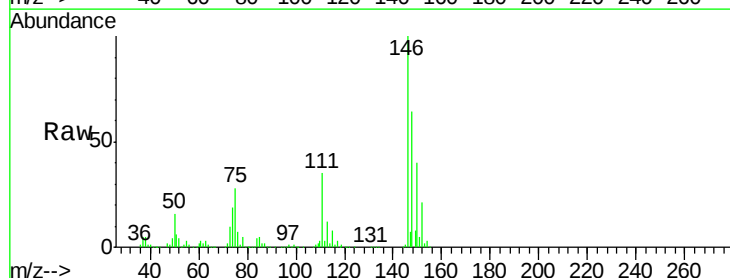
RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Tgt Ion:	146	Resp:	91146
Ion Ratio	Lower	Upper	
146	100		
111	38.0	17.9	53.7
148	65.2	32.3	96.8





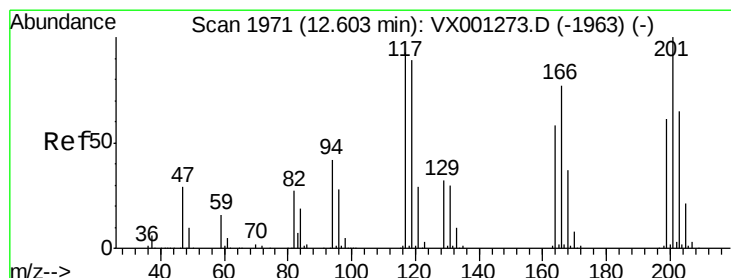
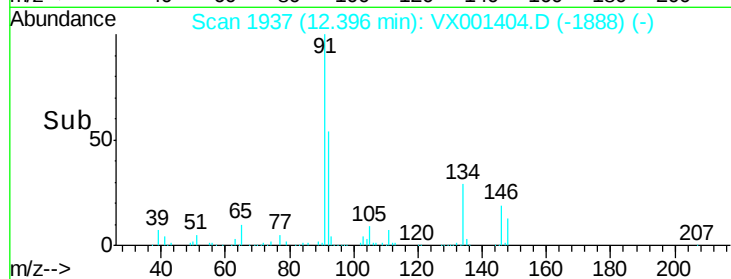
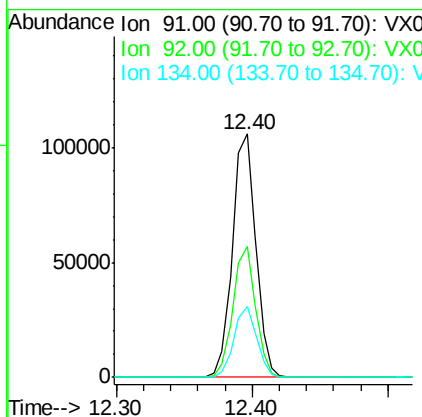
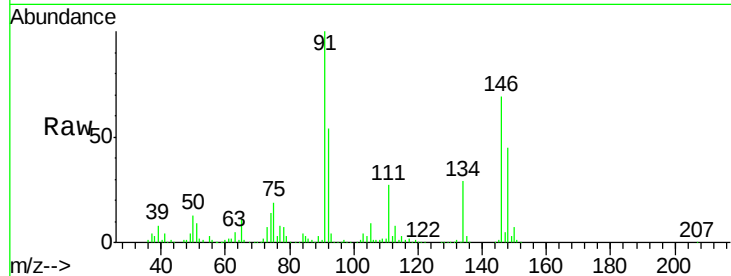
#89
n-Butylbenzene
Concen: 10.407 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.5
134	28.2	14.0	42.0

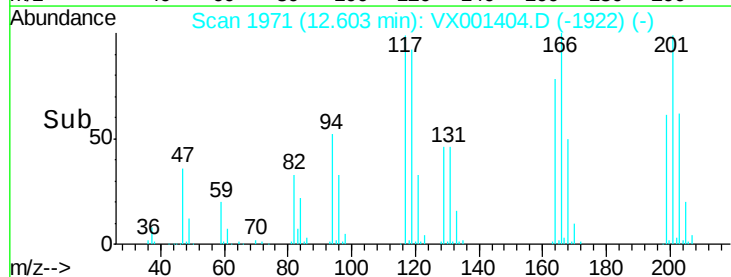
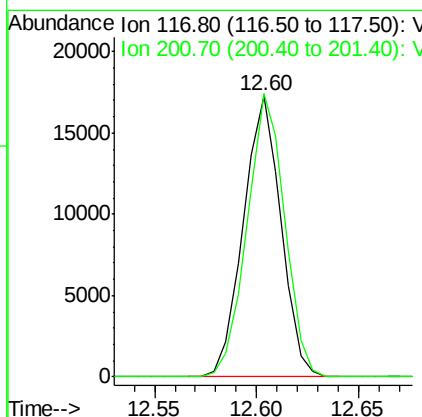
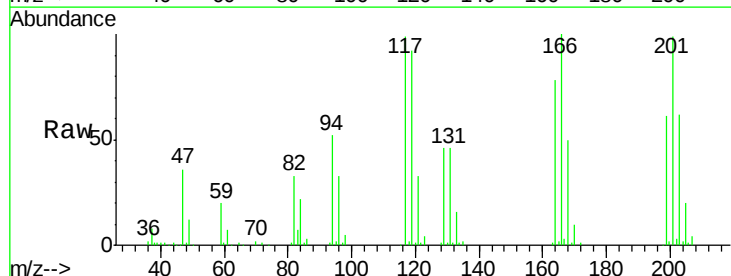
Manual Integrations
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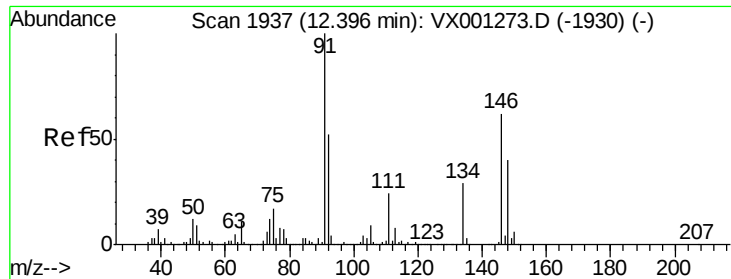
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#90
Hexachloroethane
Concen: 10.872 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.5	51.6	154.8





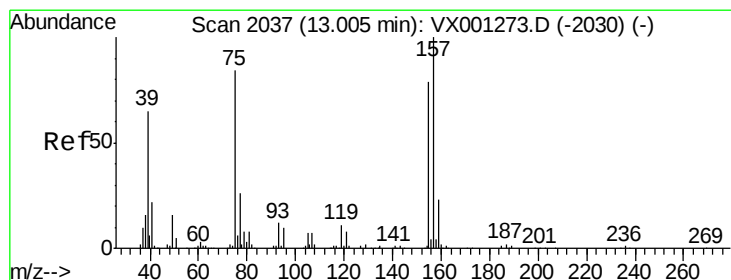
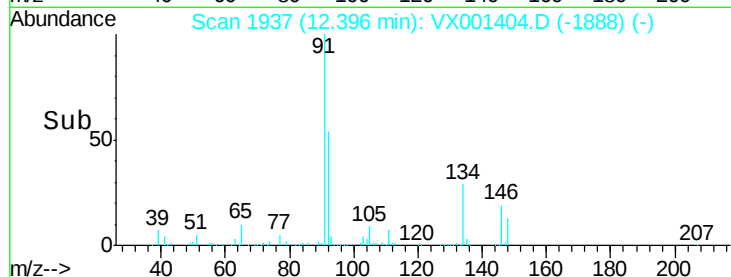
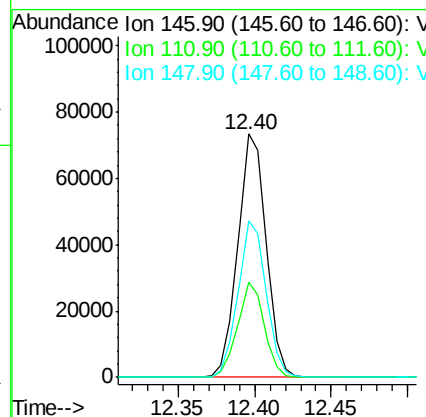
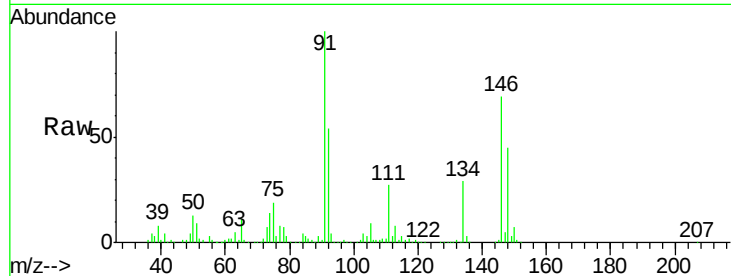
#91
 1,2-Dichlorobenzene
 Concen: 11.547 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.5
148	63.7	32.4	97.0

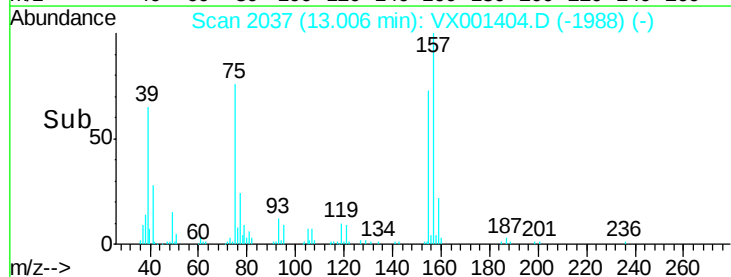
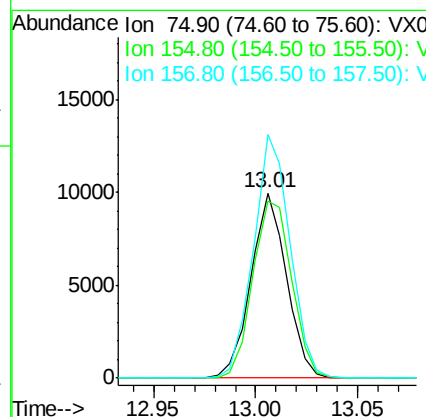
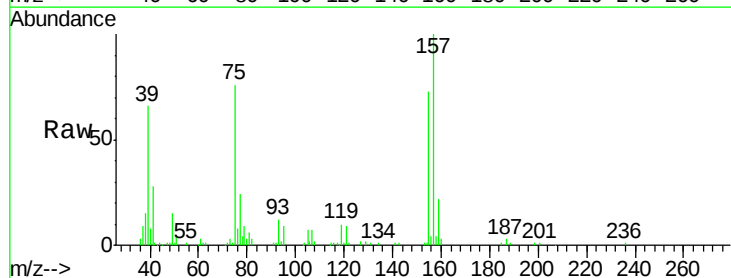
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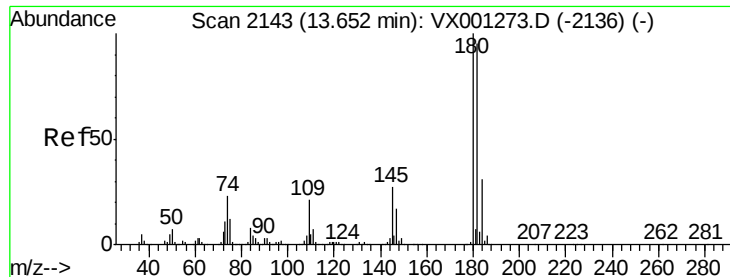
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 13.142 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.4	49.9	149.7
157	135.6	63.7	191.1





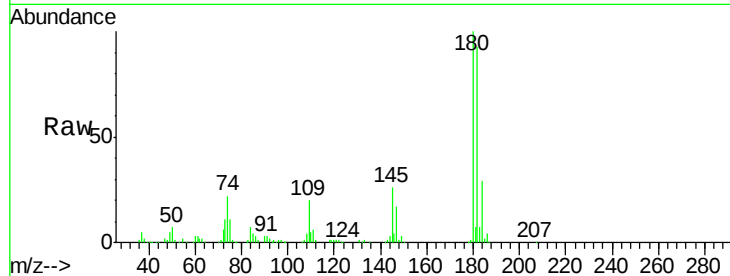
#93
 1,2,4-Trichlorobenzene
 Concen: 10.342 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

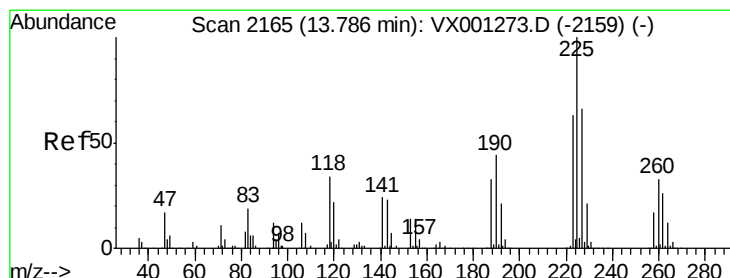
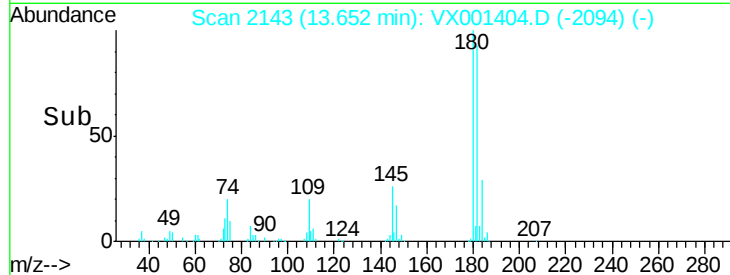
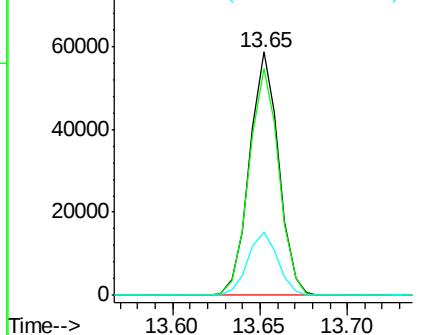
Tot Ion	Ratio	Resp	Lower	Upper
180	100	67867		
182	95.2	47.3	141.9	
145	26.8	13.5	40.4	

Manual Integrations
 APPROVED

MMDadoda
 5/7/2018 7:28:03 PM

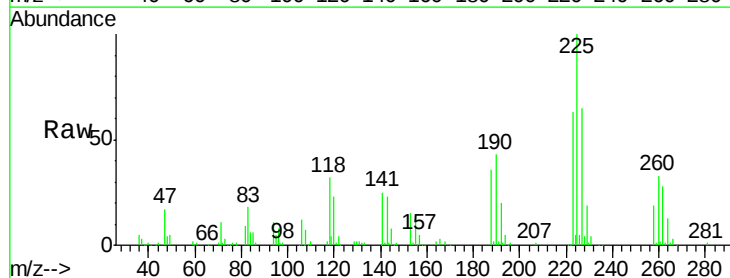


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

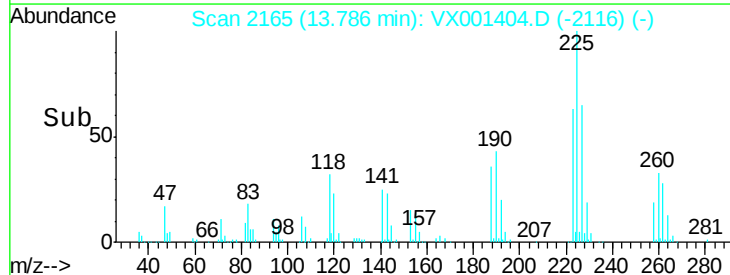
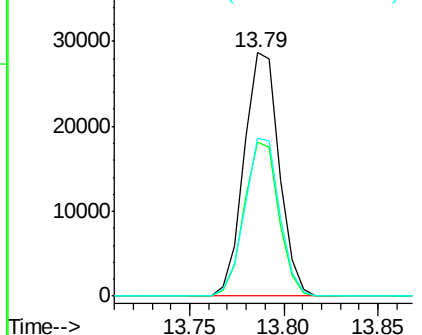


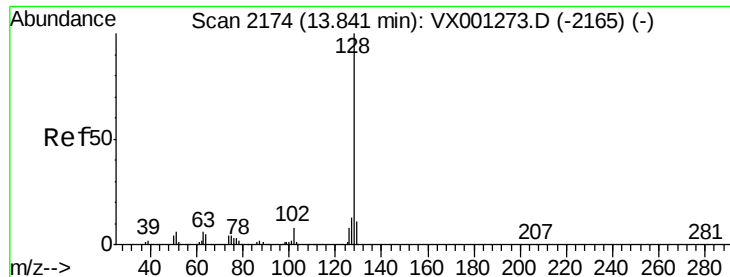
#94
 Hexachlorobutadiene
 Concen: 10.821 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	37151		
223	61.8	31.4	94.0	
227	64.2	32.5	97.5	



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





#95

Naphthalene

Concen: 12.135 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

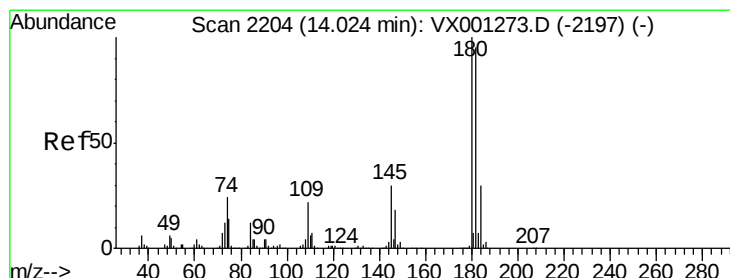
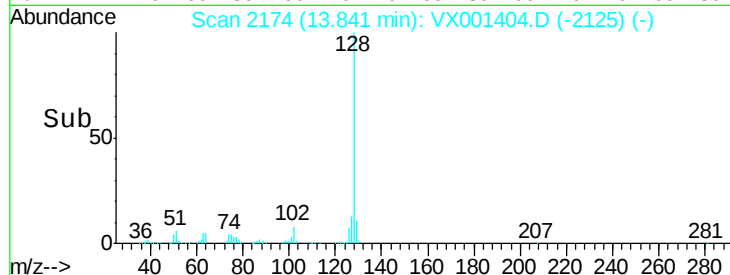
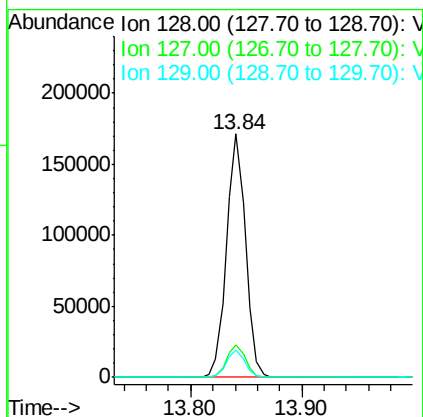
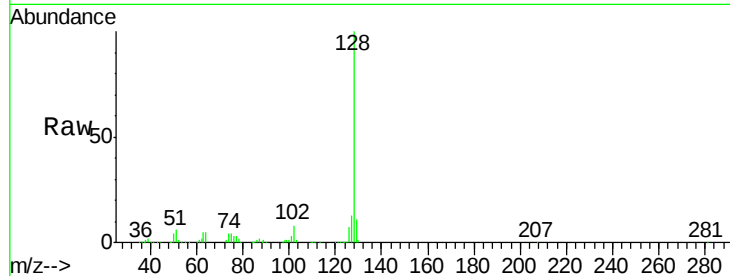
ClientSampleId :

VX0504WBSD01

Tot Ion:	128	Resp:	202024
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/7/2018 7:28:03 PM



#96

1,2,3-Trichlorobenzene

Concen: 11.211 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Tgt Ion:	180	Resp:	72221
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.1	144.3
145	28.1	14.4	43.4

