

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050318\
 Data File : VX001377.D
 Acq On : 03 May 2018 23:21
 Operator : JC/MD
 Sample : VX0503WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/5/2018 11:28:31 PM

Quant Time: May 04 08:26:05 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	315575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	432282	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	405154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	244951	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	181933	41.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.30%	
35) Dibromofluoromethane	5.51	113	156597	42.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.10%	
50) Toluene-d8	8.72	98	591608	44.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.92%	
62) 4-Bromofluorobenzene	11.15	95	210238	39.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	35103	10.06	ug/l	99
3) Chloromethane	1.32	50	33221	9.69	ug/l	99
4) Vinyl Chloride	1.40	62	37101	10.28	ug/l	99
5) Bromomethane	1.64	94	26916	8.69	ug/l	97
6) Chloroethane	1.72	64	24809	10.88	ug/l	98
7) Trichlorofluoromethane	1.93	101	66208	10.87	ug/l	98
8) Diethyl Ether	2.19	74	23081	11.04	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	36252	10.33	ug/l	98
10) Methyl Iodide	2.51	142	48714	15.96	ug/l	100
11) Tert butyl alcohol	3.09	59	52077	69.29	ug/l	98
12) 1,1-Dichloroethene	2.37	96	32744	10.34	ug/l	96
13) Acrolein	2.30	56	13968	32.28	ug/l	98
14) Allyl chloride	2.73	41	57968	10.47	ug/l	99
15) Acrylonitrile	3.16	53	108989	62.57	ug/l	100
16) Acetone	2.45	43	106863	57.31	ug/l	99
17) Carbon Disulfide	2.57	76	69088	8.38	ug/l	100
18) Methyl Acetate	2.78	43	62080	14.10	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	120553	11.18	ug/l	98
20) Methylene Chloride	2.86	84	38711	10.24	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	34976	10.15	ug/l	99
22) Diisopropyl ether	3.89	45	120008	11.25	ug/l	97
23) Vinyl Acetate	3.84	43	510659	56.50	ug/l	100
24) 1,1-Dichloroethane	3.70	63	67036	11.28	ug/l	100
25) 2-Butanone	4.73	43	144948	57.49	ug/l	98
26) 2,2-Dichloropropane	4.59	77	27003	5.58	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	36733	9.70	ug/l	98
28) Bromochloromethane	5.03	49	31979	11.97	ug/l	99
29) Tetrahydrofuran	5.18	42	92280	59.51	ug/l	99
30) Chloroform	5.23	83	63421	10.10	ug/l	96
31) Cyclohexane	5.58	56	47654	8.88	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	54788	9.98	ug/l	100
36) 1,1-Dichloropropene	5.81	75	43286	8.68	ug/l	97
37) Ethyl Acetate	4.89	43	53137	10.55	ug/l	98
38) Carbon Tetrachloride	5.79	117	48022	9.19	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	49682	8.42	ug/l	98
40) Benzene	6.15	78	136841	9.53	ug/l	97
41) Methacrylonitrile	5.08	41	30195	10.29	ug/l	99
42) 1,2-Dichloroethane	6.21	62	52441	9.44	ug/l	99
43) Isopropyl Acetate	6.48	43	83752	10.27	ug/l	100
44) Trichloroethene	7.22	130	43040	9.80	ug/l	90
45) 1,2-Dichloropropane	7.52	63	34614	9.39	ug/l	100
46) Dibromomethane	7.67	93	25229	9.77	ug/l	99
47) Bromodichloromethane	7.91	83	43593	9.44	ug/l	93
48) Methyl methacrylate	7.79	41	43175	9.96	ug/l	96
49) 1,4-Dioxane	7.77	88	20605	251.83	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	298513	56.77	ug/l	100
52) Toluene	8.79	92	88719	9.46	ug/l	97
53) t-1,3-Dichloropropene	8.45	75	47260	8.60	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	42387	8.39	ug/l	96
55) 1,1,2-Trichloroethane	9.23	97	37535	9.90	ug/l	97
56) Ethyl methacrylate	9.19	69	52625	10.02	ug/l	98
57) 1,3-Dichloropropane	9.38	76	59783	9.81	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	135213	53.37	ug/l	98
59) 2-Hexanone	9.51	43	229923	55.95	ug/l	99
60) Dibromochloromethane	9.59	129	37228	9.42	ug/l	98
61) 1,2-Dibromoethane	9.68	107	40479	10.08	ug/l	99
64) Tetrachloroethene	9.34	164	55996	11.67	ug/l	94
65) Chlorobenzene	10.15	112	104995	9.53	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	38707	10.12	ug/l	98
67) Ethyl Benzene	10.26	91	169172	9.32	ug/l	100
68) m/p-Xylenes	10.37	106	133627	18.70	ug/l	99
69) o-Xylene	10.71	106	65450	9.45	ug/l	99
70) Styrene	10.72	104	106372	9.39	ug/l	99
71) Bromoform	10.87	173	30132	11.44	ug/l #	100
73) Isopropylbenzene	11.02	105	175883	10.73	ug/l	99
74) N-amyl acetate	6.48	43	83752	11.91	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	54818	11.17	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	51972m	11.47	ug/l	
77) Bromobenzene	11.26	156	52161	11.04	ug/l	97
78) n-propylbenzene	11.37	91	191940	10.54	ug/l	99
79) 2-Chlorotoluene	11.43	91	118003	10.74	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	149076	10.83	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	10797	11.38	ug/l	91
82) 4-Chlorotoluene	11.52	91	136854	10.35	ug/l	100
83) tert-Butylbenzene	11.77	119	141327	10.30	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	153096	10.86	ug/l	98
85) sec-Butylbenzene	11.95	105	176805	10.77	ug/l	100
86) p-Isopropyltoluene	12.07	119	160594	10.66	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	91100	10.32	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	92739	10.19	ug/l	98
89) n-Butylbenzene	12.40	91	128744	9.79	ug/l	99
90) Hexachloroethane	12.60	117	22058	10.11	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	94853	10.80	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	12826	12.93	ug/l	99

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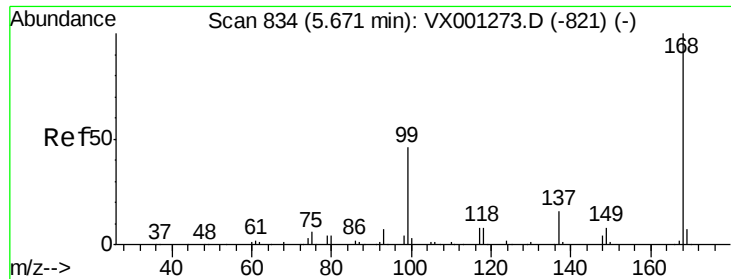
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	67806	9.60	ug/l	99
94) Hexachlorobutadiene	13.79	225	36823	9.96	ug/l	100
95) Naphthalene	13.84	128	203930	11.38	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	71718	10.34	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion:168 Resp: 315575

Ion Ratio Lower Upper

168 100

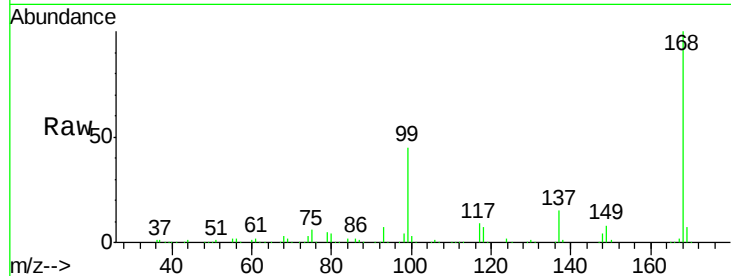
99 44.6 36.5 54.7

Manual Integrations

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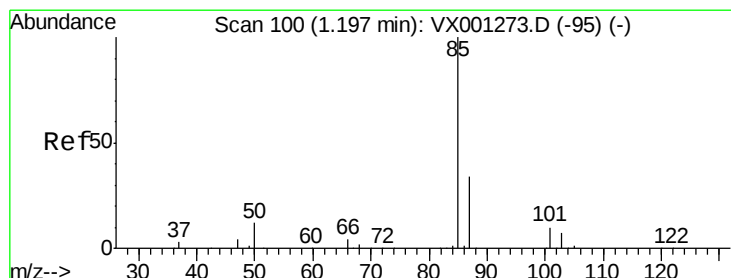
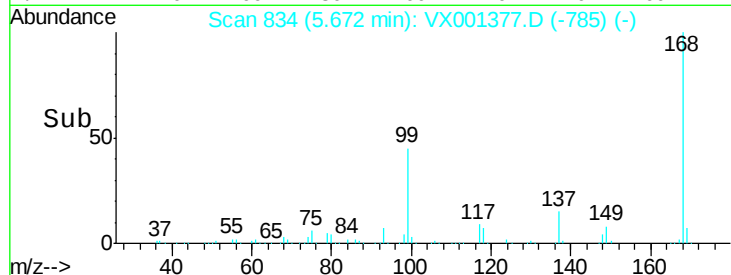
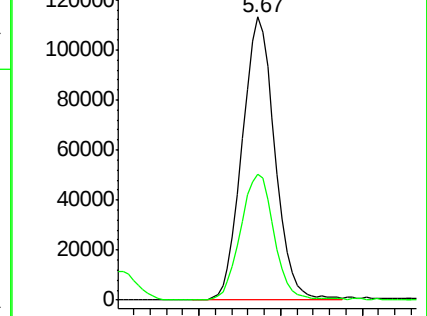
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 10.06 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001377.D

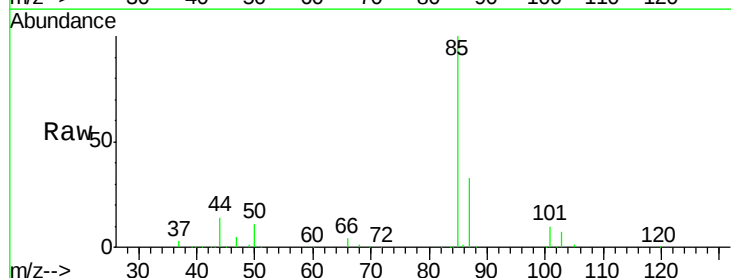
Acq: 03 May 2018 23:21

Tgt Ion: 85 Resp: 35103

Ion Ratio Lower Upper

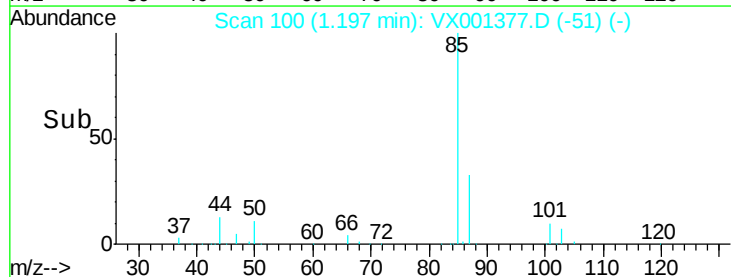
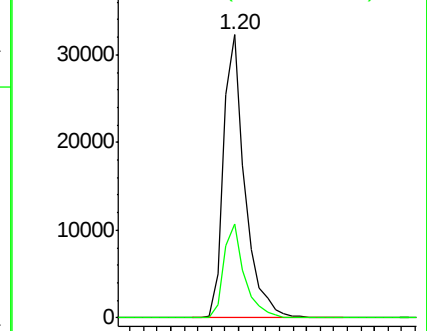
85 100

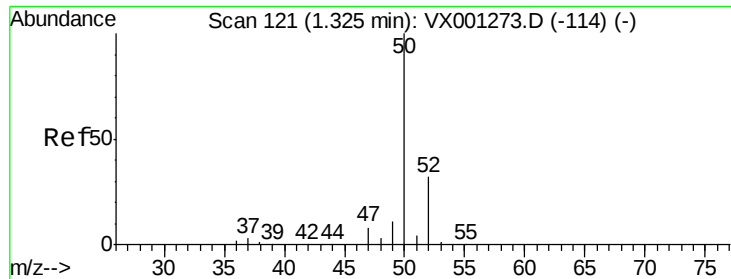
87 33.2 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 9.69 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion: 50 Resp: 33221

Ion Ratio Lower Upper

50 100

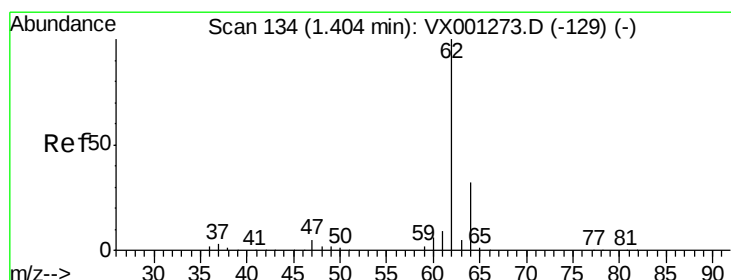
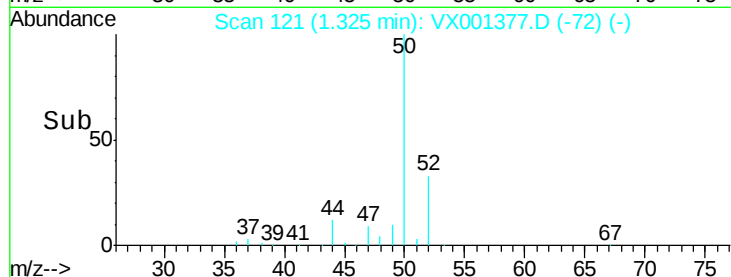
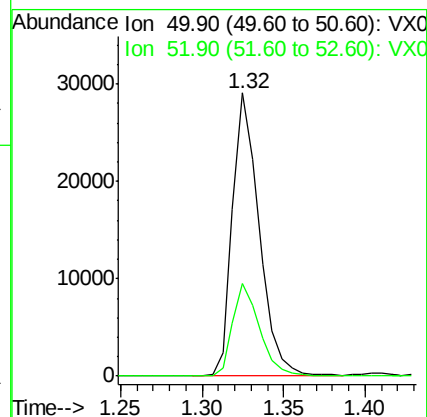
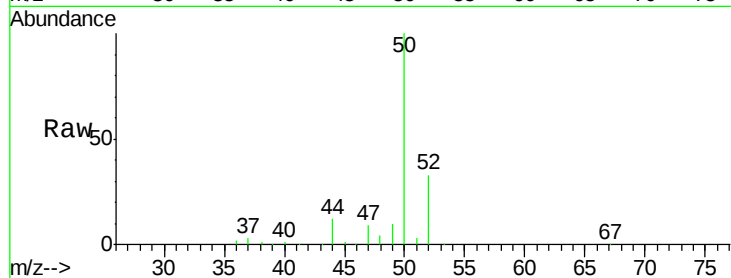
52 32.8 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 10.28 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001377.D

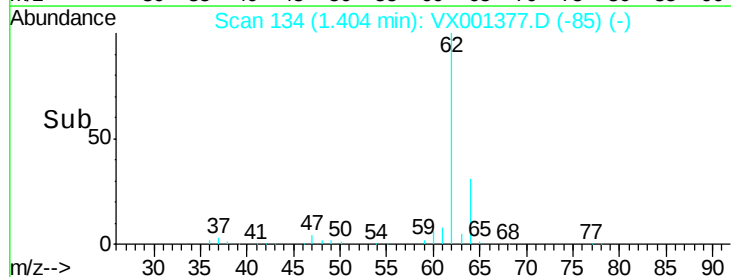
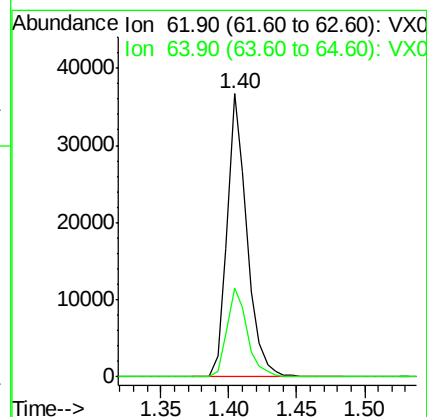
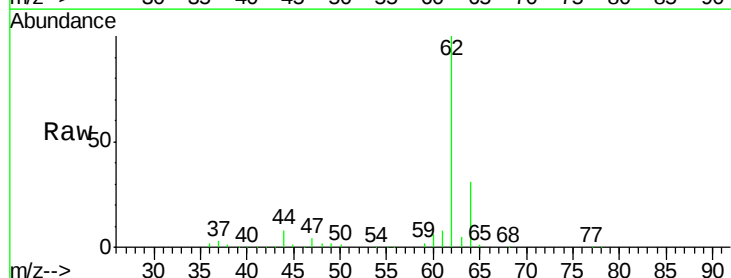
Acq: 03 May 2018 23:21

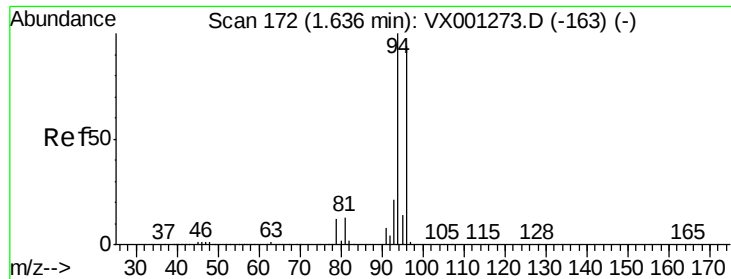
Tgt Ion: 62 Resp: 37101

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.2





#5

Bromomethane

Concen: 8.69 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion: 94 Resp: 26916

Ion Ratio Lower Upper

94 100

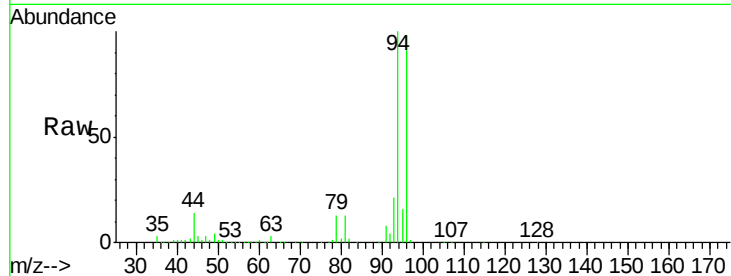
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Manual Integrations

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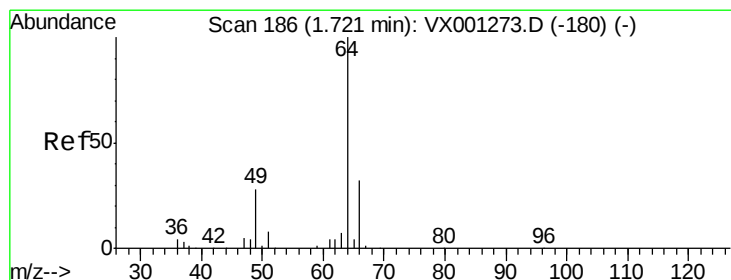
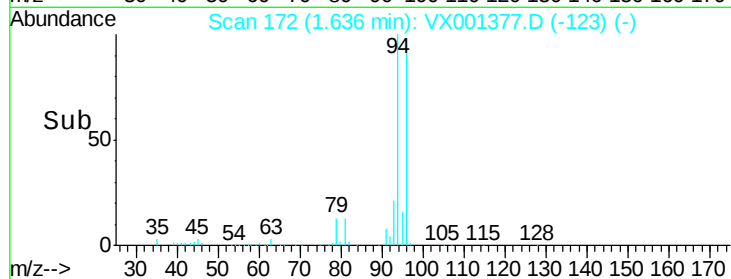
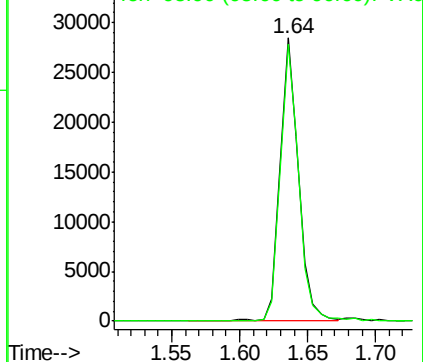
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 10.88 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001377.D

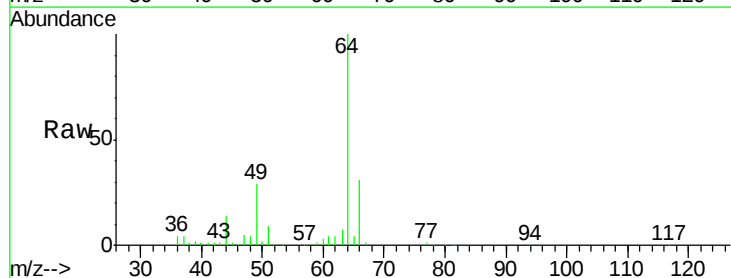
Acq: 03 May 2018 23:21

Tgt Ion: 64 Resp: 24809

Ion Ratio Lower Upper

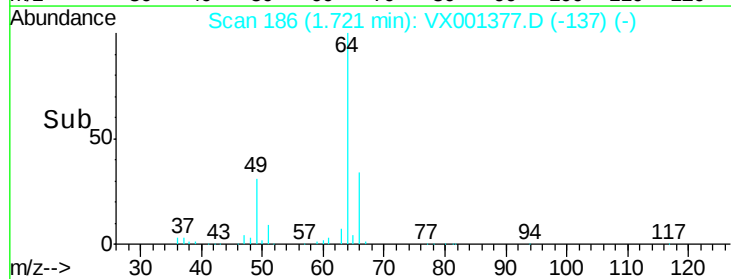
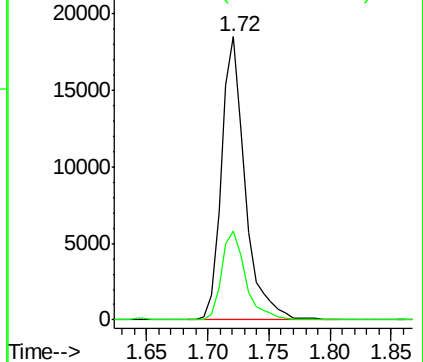
64 100

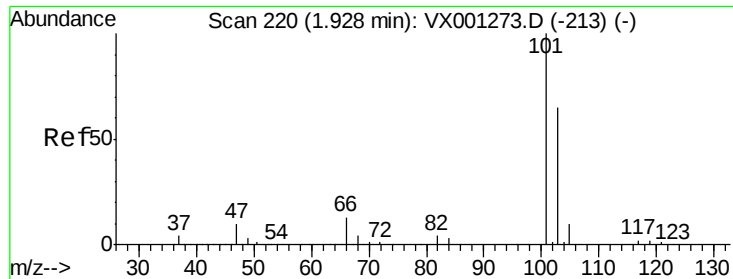
66 31.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

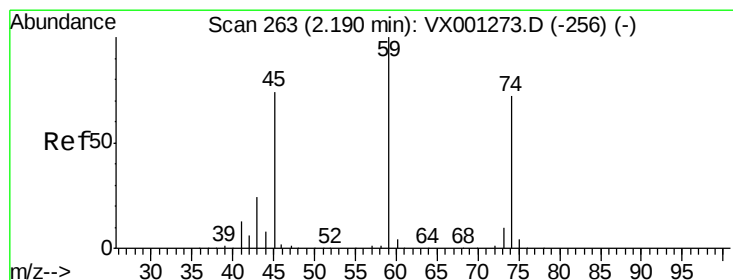
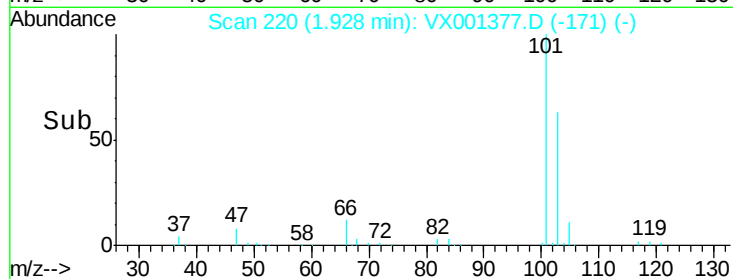
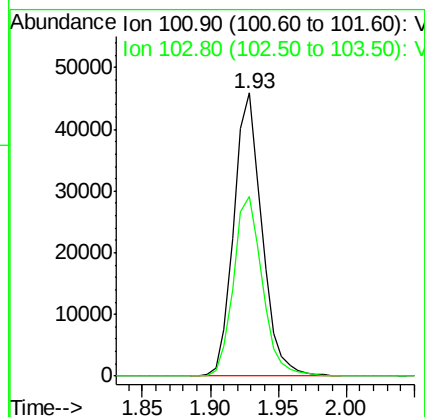
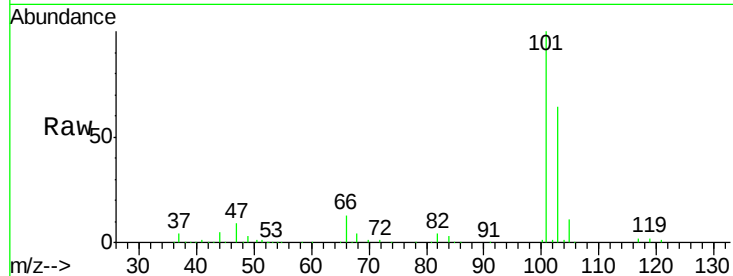
Trichlorofluoromethane
Concen: 10.87 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Instrument :
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VX0503WBSD01

Tot Ion:101 Resp: 66208
Ion Ratio Lower Upper
101 100
103 63.6 51.8 77.8

Manual Integrations
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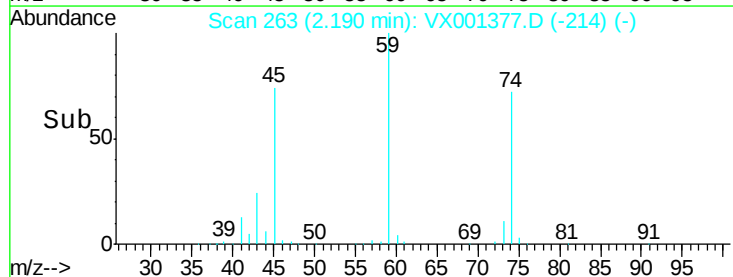
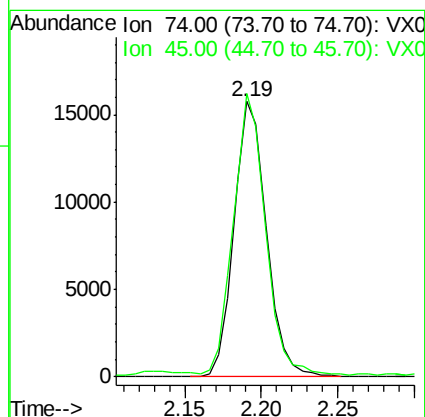
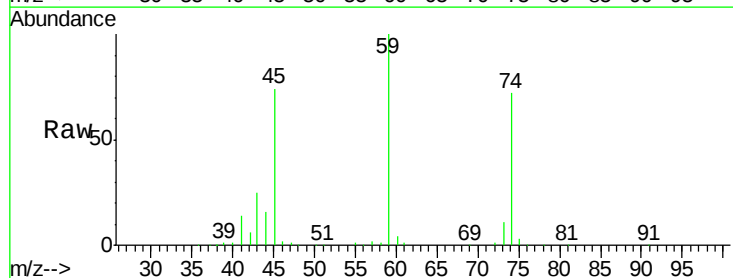
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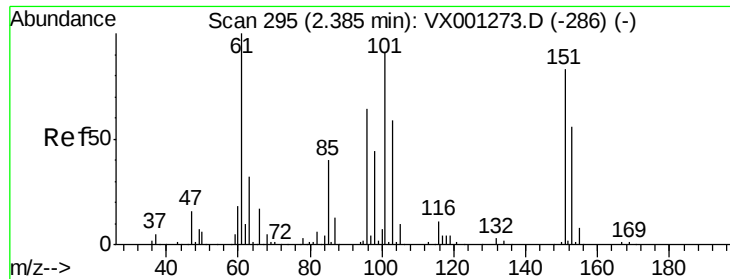


#8

Diethyl Ether
Concen: 11.04 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Tgt Ion: 74 Resp: 23081
Ion Ratio Lower Upper
74 100
45 100.4 49.3 147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.33 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

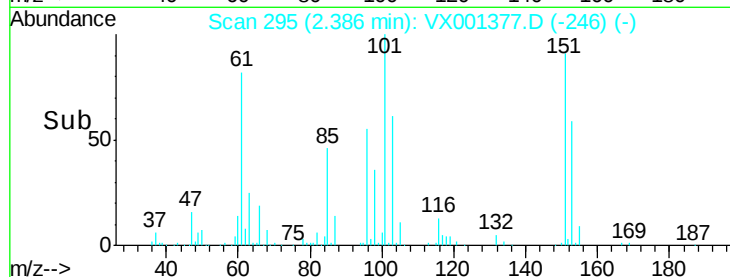
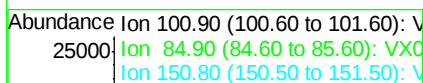
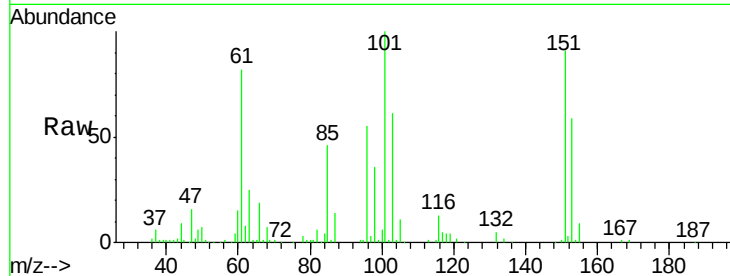
ClientSampleId :

VX0503WBSD01

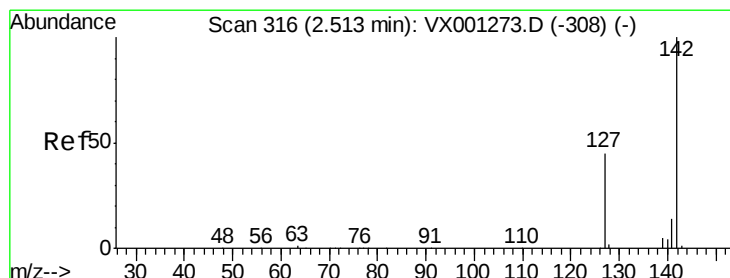
Tot Ion:	101	Resp:	36252
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.6	53.4
151	92.0	74.8	112.2

Manual Integrations
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Time-->



#10

Methyl Iodide

Concen: 15.96 ug/l

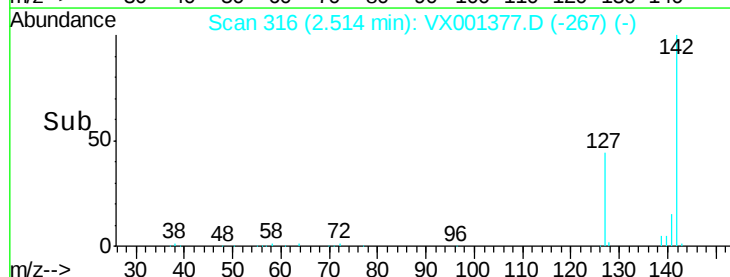
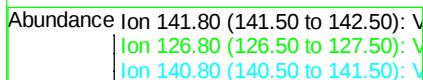
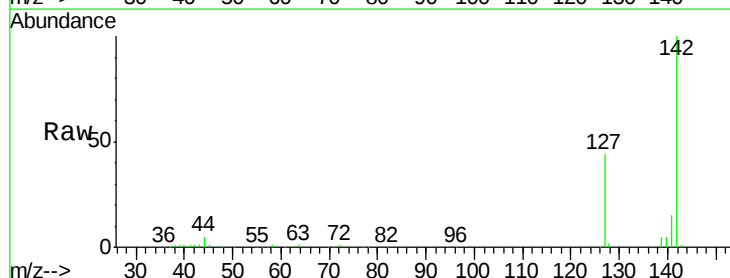
RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

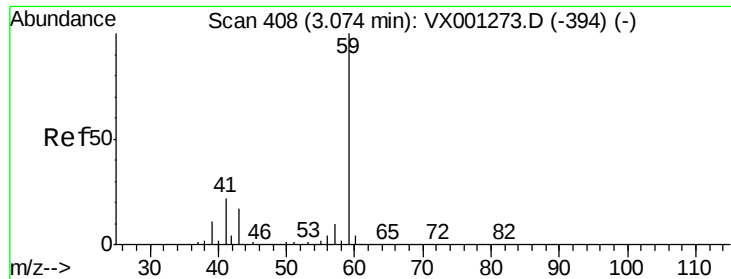
Lab File: VX001377.D

Acq: 03 May 2018 23:21

Tgt Ion:	142	Resp:	48714
Ion Ratio	Lower	Upper	
142	100		
127	44.5	35.7	53.5
141	14.7	11.4	17.0



Time-->



#11

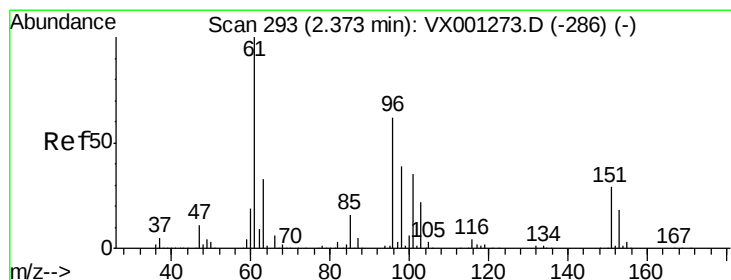
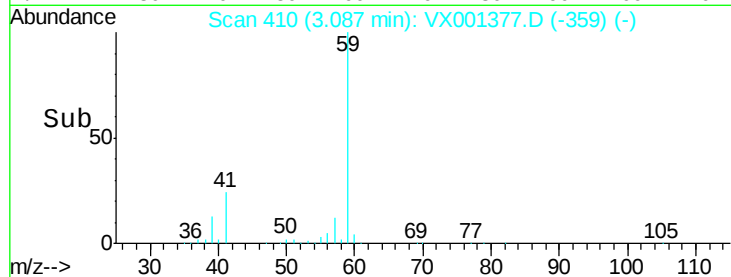
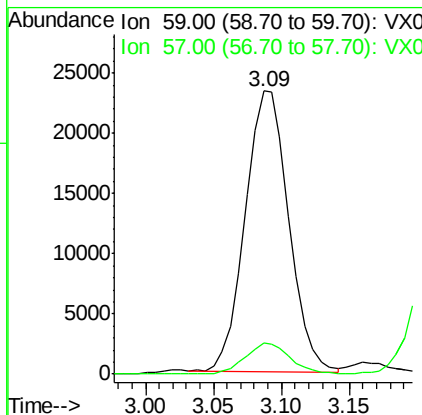
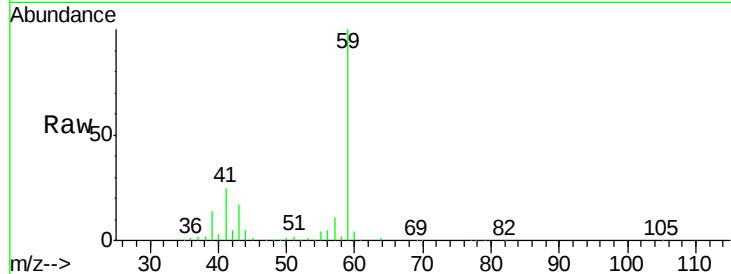
Tert butyl alcohol
Concen: 69.29 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion	59	Resp	52077
Ion Ratio	100	Lower	Upper
57	11.6	8.6	12.8

Manual Integrations
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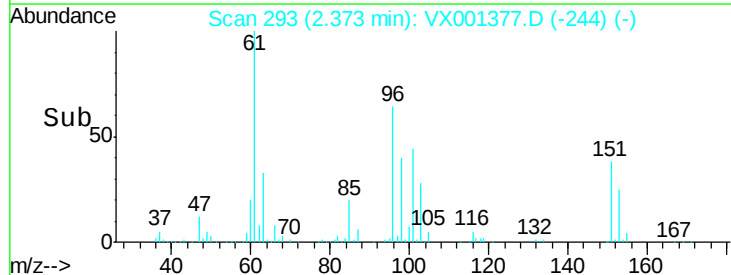
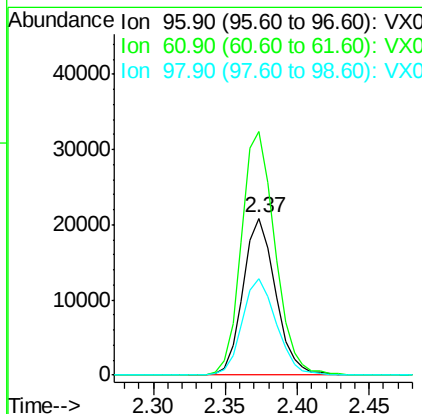
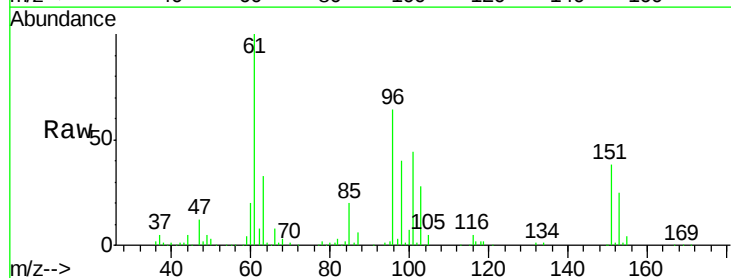
MMDadoda
5/5/2018 11:28:31 PM

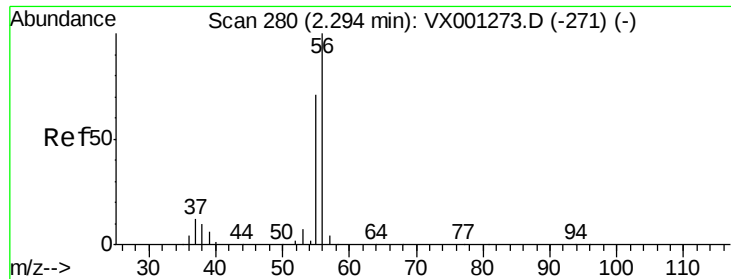


#12

1,1-Dichloroethene
Concen: 10.34 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Tgt Ion	96	Resp	32744
Ion Ratio	100	Lower	Upper
61	155.3	130.1	195.1
98	61.8	50.3	75.5





#13

Acrolein

Concen: 32.28 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

ClientSampled :

VX0503WBSD01

Tot Ion: 56 Resp: 13968

Ion Ratio Lower Upper

56 100

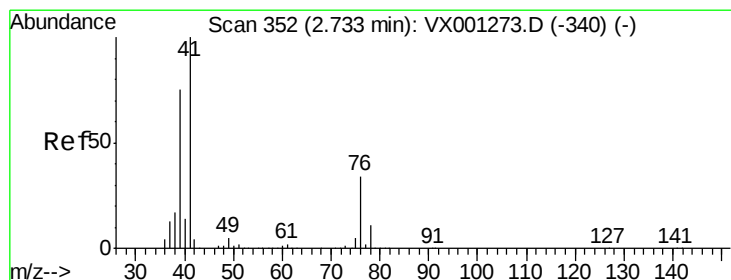
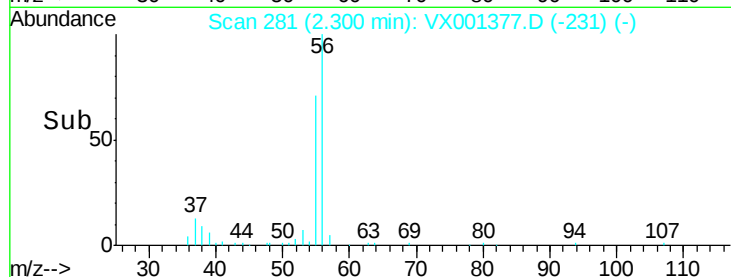
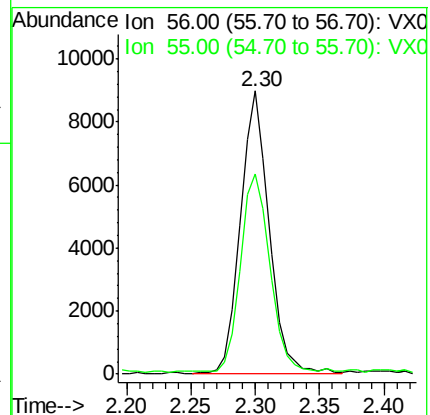
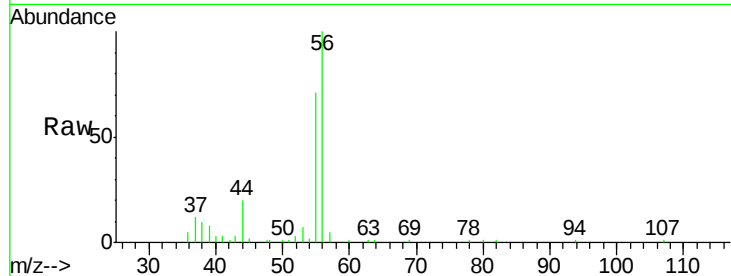
55 70.0 57.2 85.8

Manual Integrations

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#14

Allyl chloride

Concen: 10.47 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

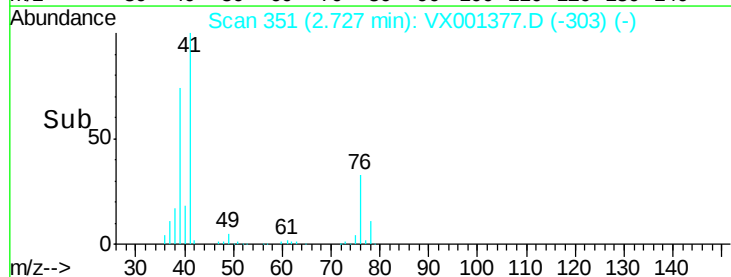
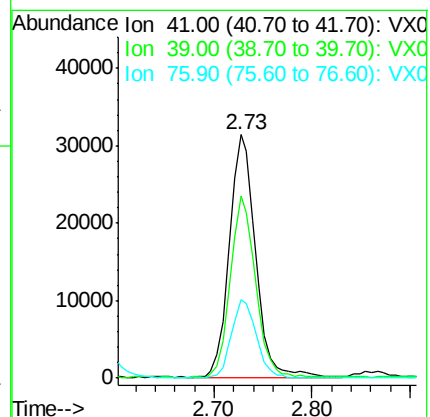
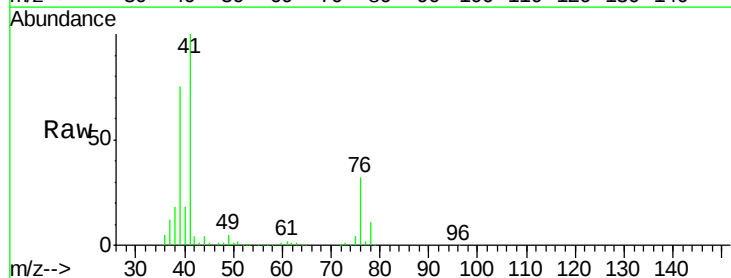
Tgt Ion: 41 Resp: 57968

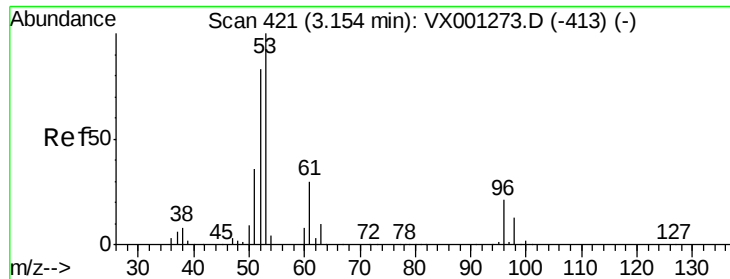
Ion Ratio Lower Upper

41 100

39 71.6 58.1 87.1

76 31.1 25.1 37.7





#15

Acrylonitrile

Concen: 62.57 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

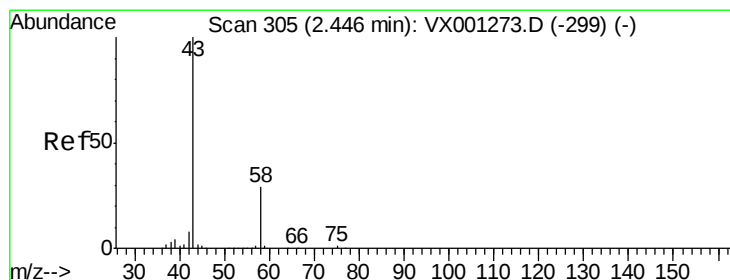
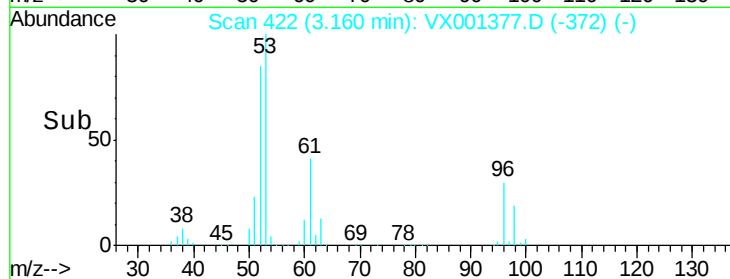
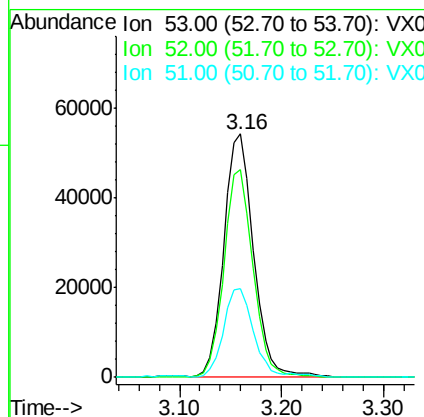
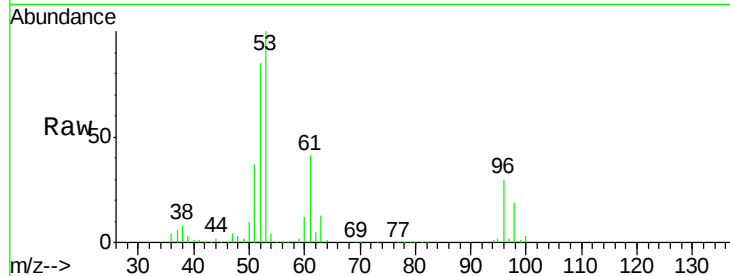
ClientSampled :

VX0503WBSD01

Tot Ion:	53	Resp:	108989
Ion Ratio	Lower	Upper	
53	100		
52	83.7	67.0	100.4
51	37.6	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 57.31 ug/l

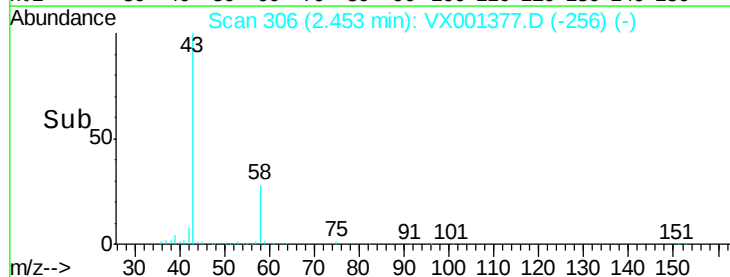
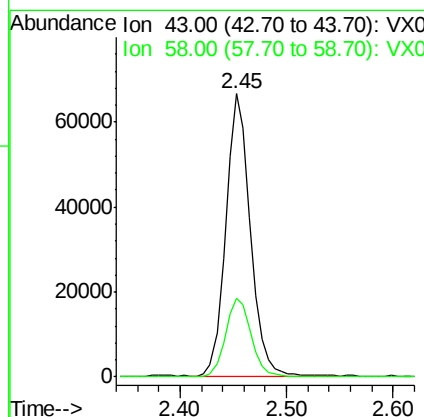
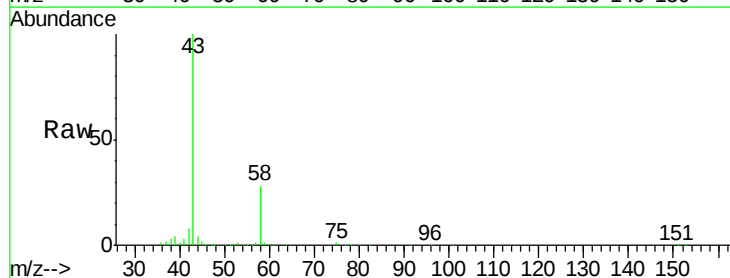
RT: 2.45 min Scan# 306

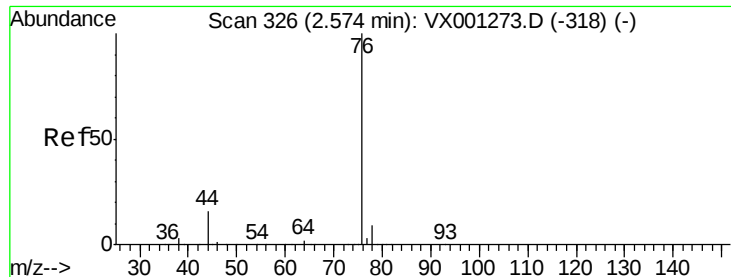
Delta R.T. 0.01 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Tgt Ion:	43	Resp:	106863
Ion Ratio	Lower	Upper	
43	100		
58	28.0	22.8	34.2





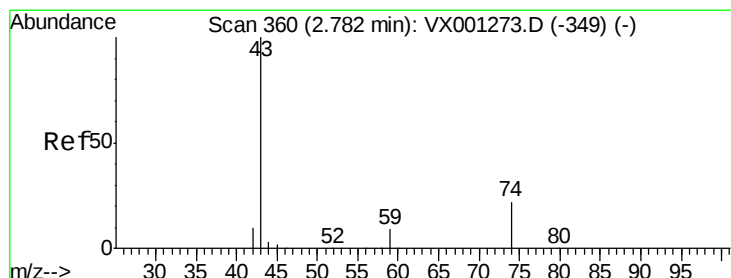
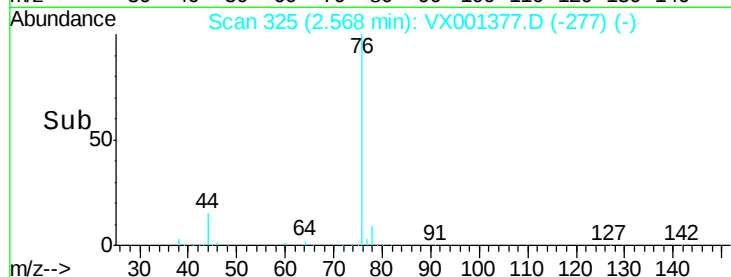
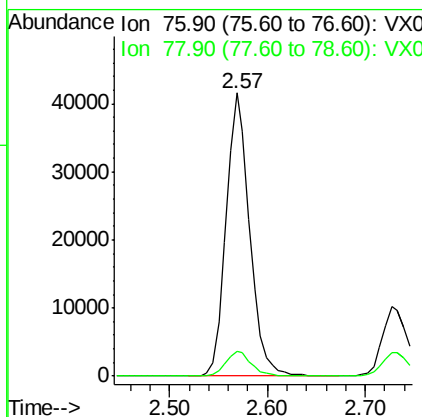
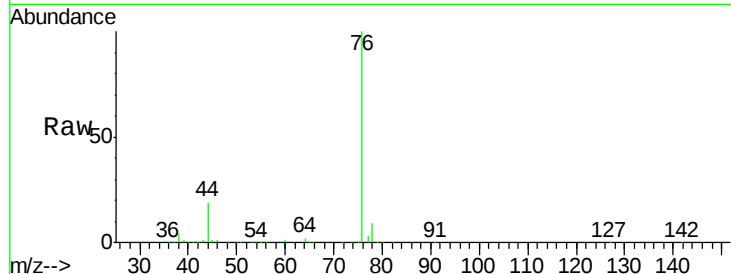
#17
Carbon Disulfide
Concen: 8.38 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

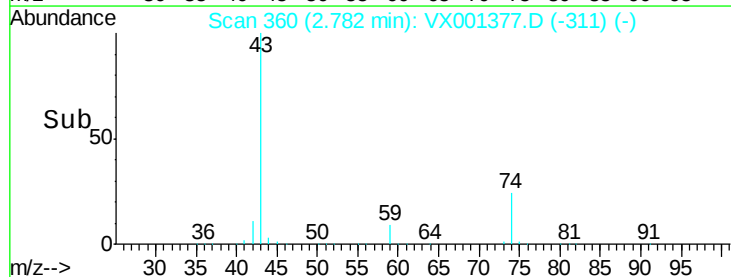
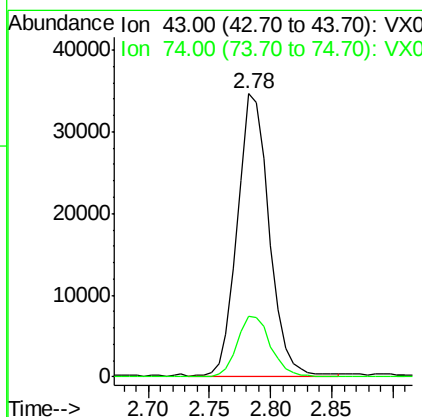
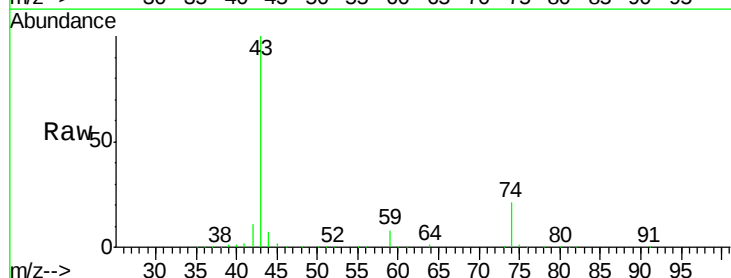
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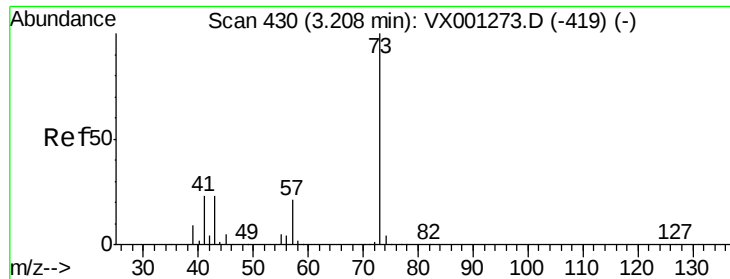
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#18
Methyl Acetate
Concen: 14.10 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.8	26.6





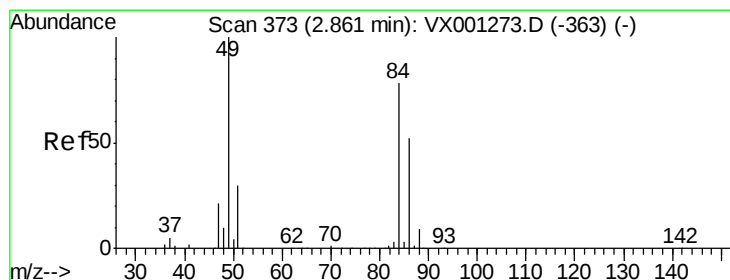
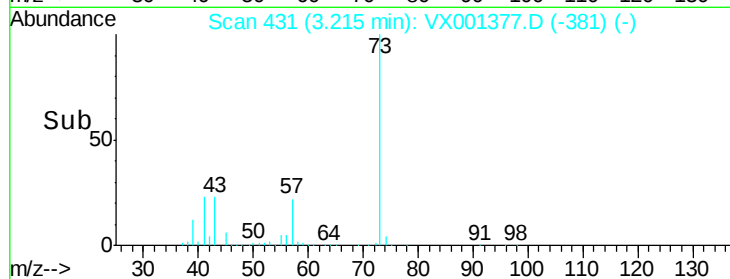
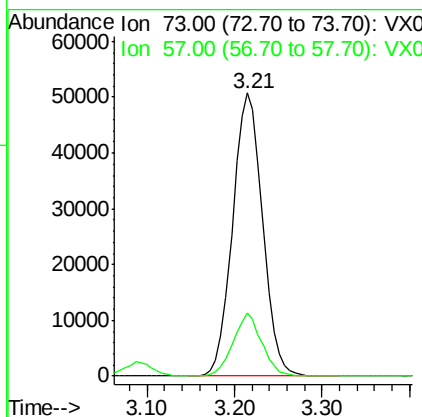
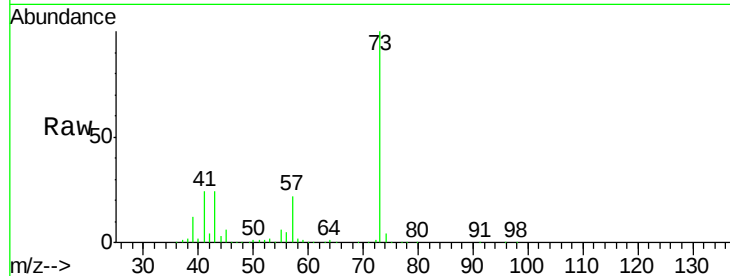
#19
Methyl tert-butyl Ether
Concen: 11.18 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion: 73 Resp: 120553
Ion Ratio Lower Upper
73 100
57 22.0 16.8 25.2

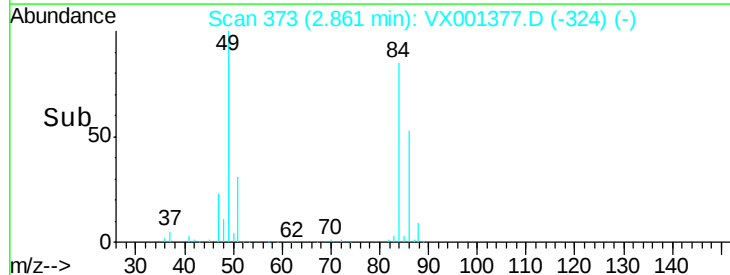
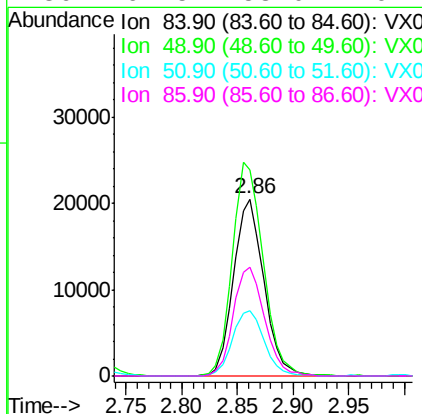
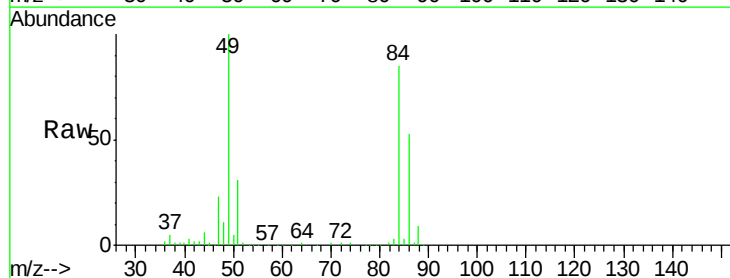
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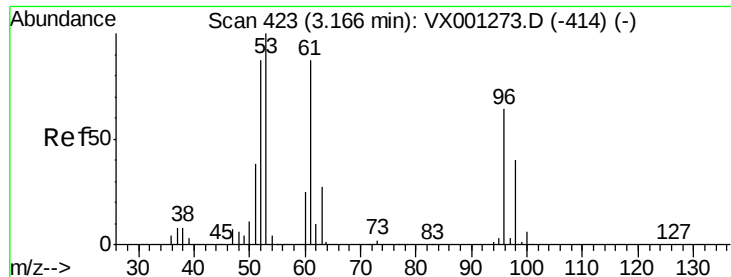
MMDadoda
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#20
Methylene Chloride
Concen: 10.24 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Tgt Ion: 84 Resp: 38711
Ion Ratio Lower Upper
84 100
49 117.0 102.8 154.2
51 36.6 30.9 46.3
86 61.5 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 10.15 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion: 96 Resp: 34976

Ion Ratio Lower Upper

96 100

61 136.3 108.6 162.8

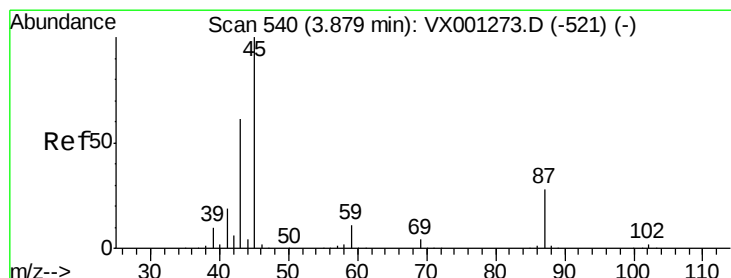
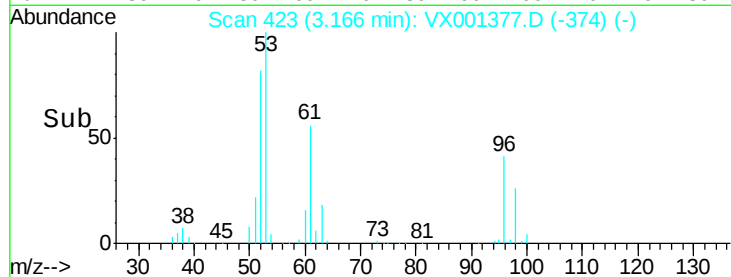
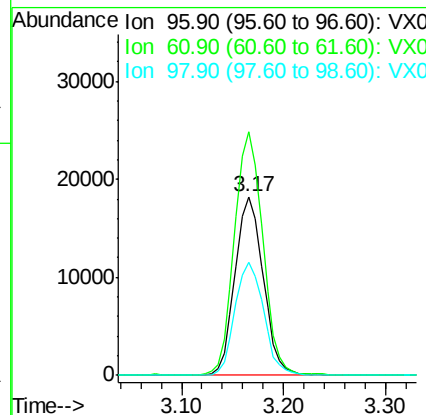
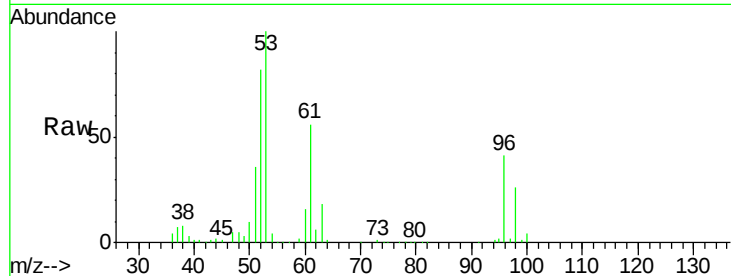
98 63.3 49.7 74.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 11.25 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.01 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Tgt Ion: 45 Resp: 120008

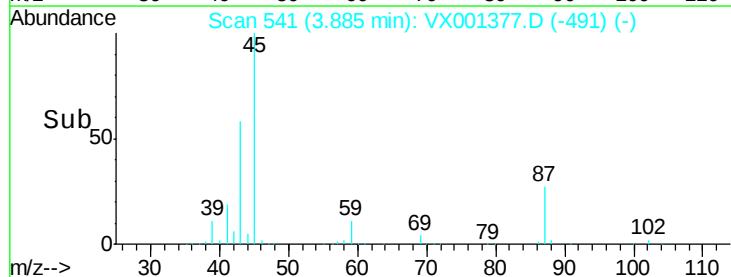
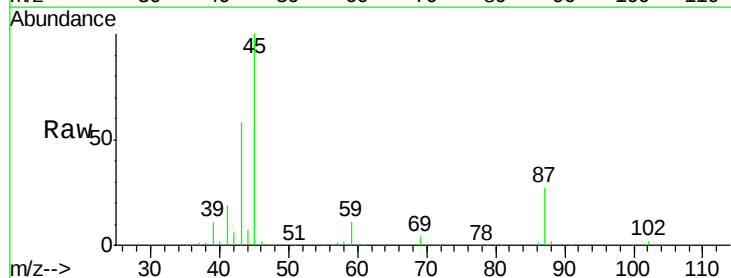
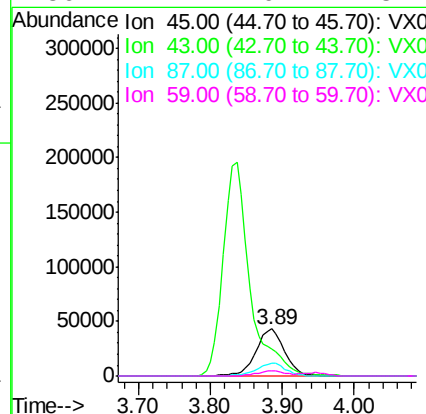
Ion Ratio Lower Upper

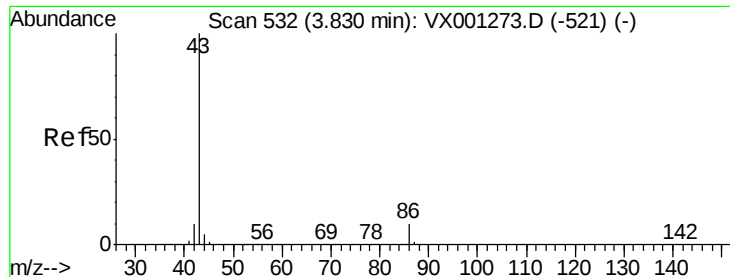
45 100

43 57.8 48.7 73.1

87 26.6 22.2 33.4

59 11.1 9.1 13.7





#23

Vinyl Acetate

Concen: 56.50 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.01 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

ClientSampled :

VX0503WBSD01

Tot Ion: 43 Resp: 510659

Ion Ratio Lower Upper

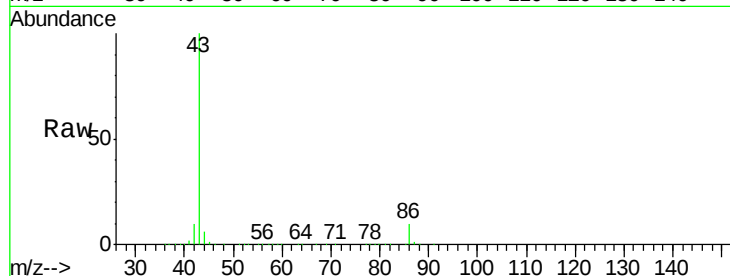
43 100

86 10.3 8.2 12.4

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.84

200000

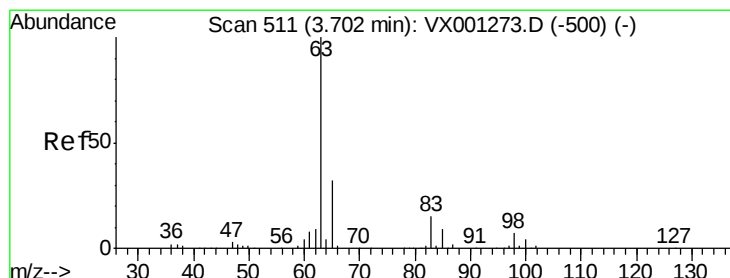
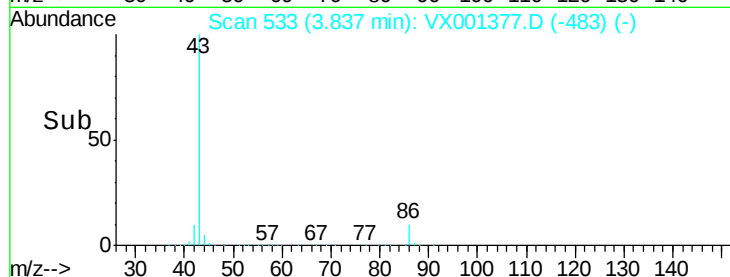
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 11.28 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

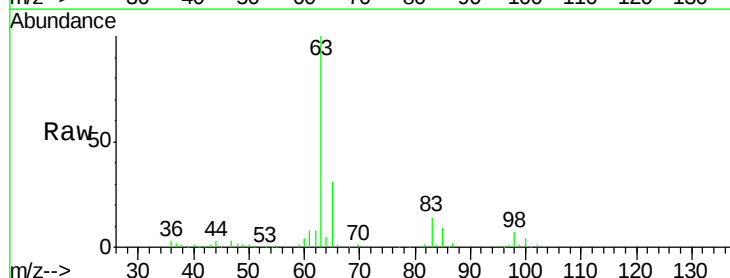
Tgt Ion: 63 Resp: 67036

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.4 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

40000

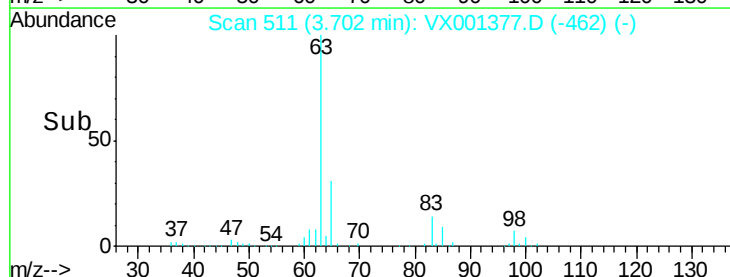
30000

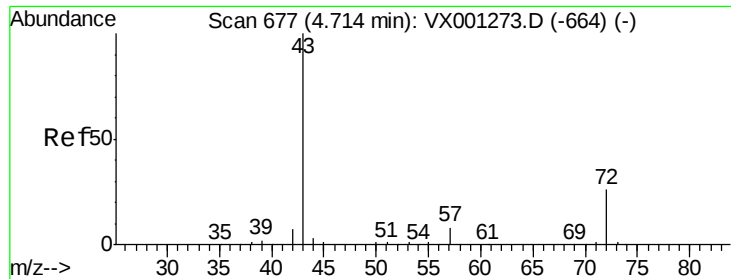
20000

10000

0

Time-->





#25

2-Butanone

Concen: 57.49 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion: 43 Resp: 144948

Ion Ratio Lower Upper

43 100

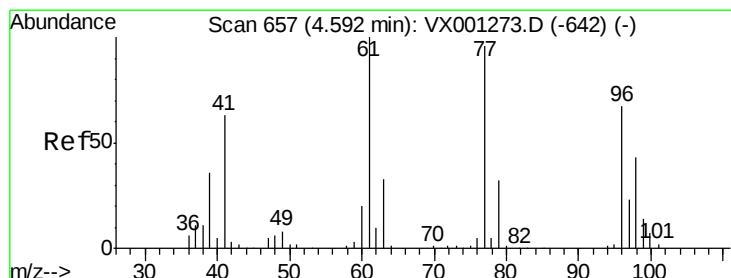
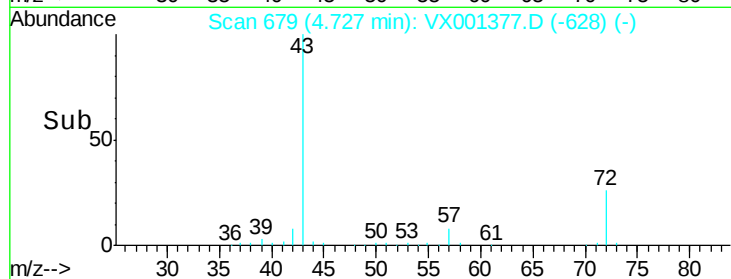
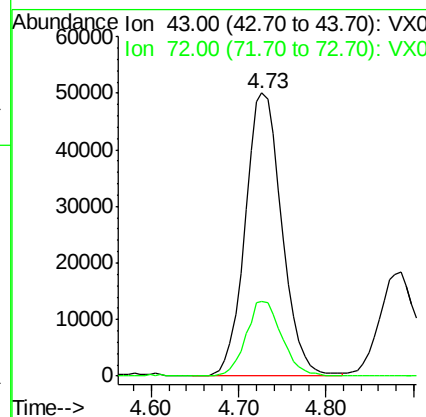
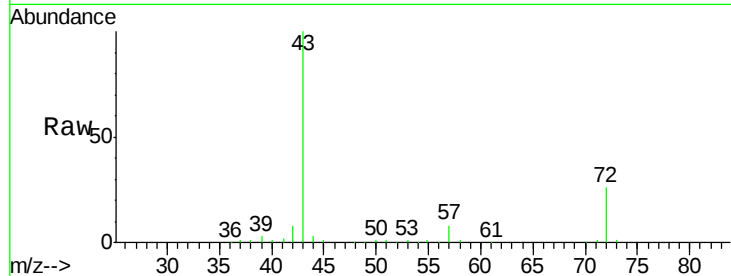
72 26.4 20.5 30.7

Manual Integrations

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MMDadoda

5/5/2018 11:28:31 PM



#26

2,2-Dichloropropane

Concen: 5.58 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001377.D

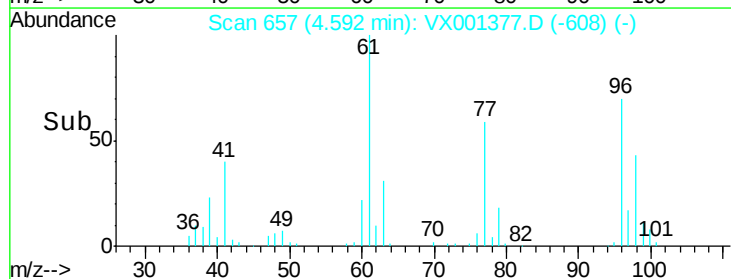
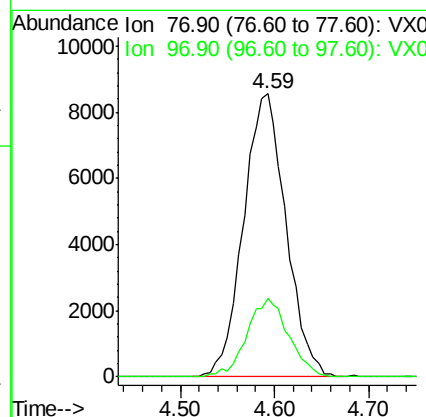
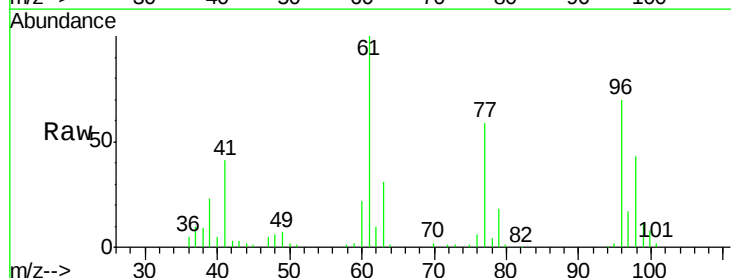
Acq: 03 May 2018 23:21

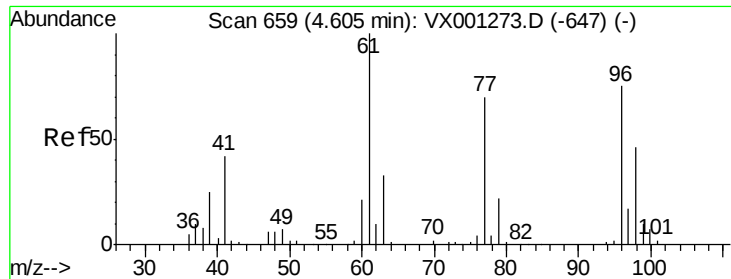
Tgt Ion: 77 Resp: 27003

Ion Ratio Lower Upper

77 100

97 27.2 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 9.70 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

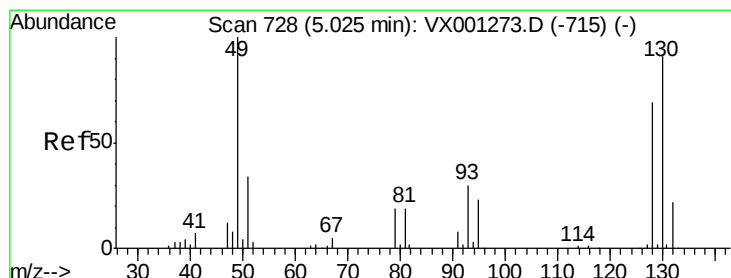
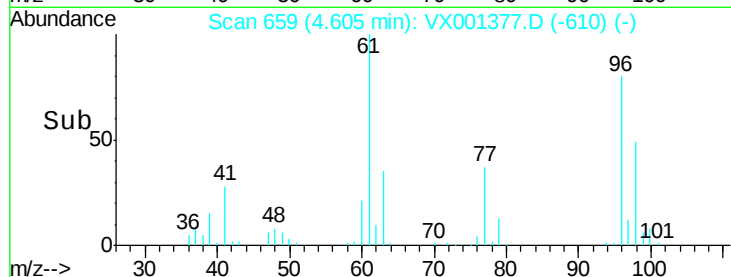
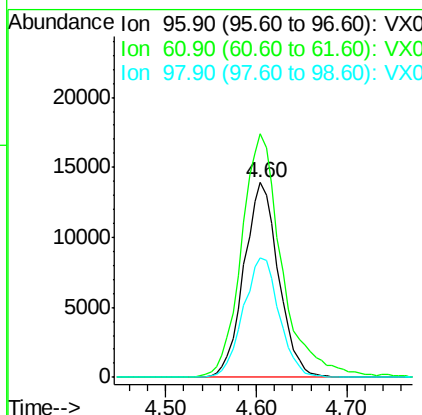
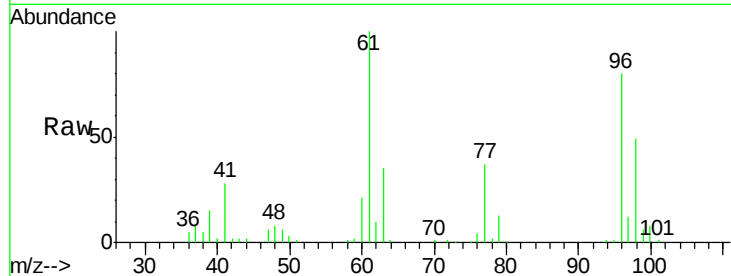
ClientSampleId :

VX0503WBSD01

Tot Ion:	96	Resp:	36733
Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	288.0
98	64.0	0.0	130.2

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#28

Bromochloromethane

Concen: 11.97 ug/l

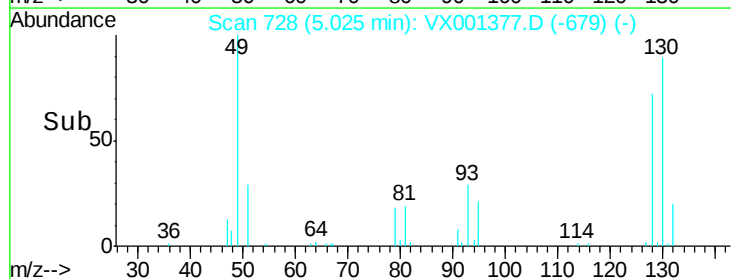
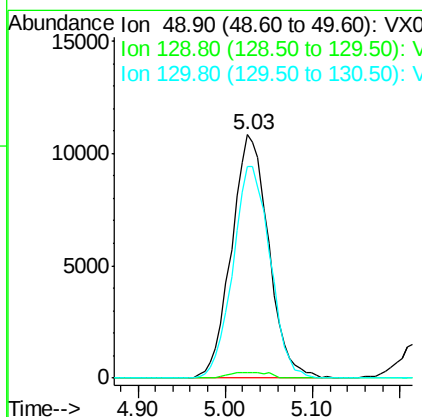
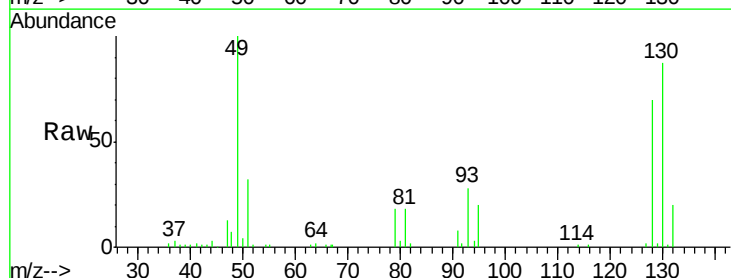
RT: 5.03 min Scan# 728

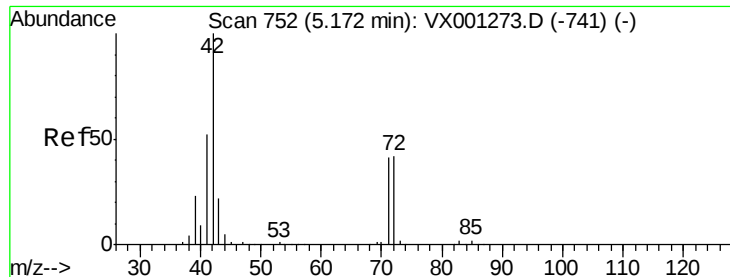
Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Tgt Ion:	49	Resp:	31979
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	87.1	70.4	105.6





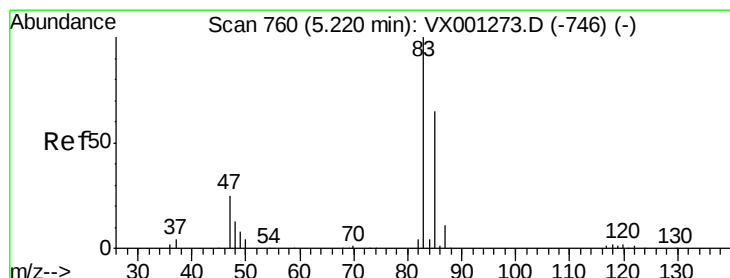
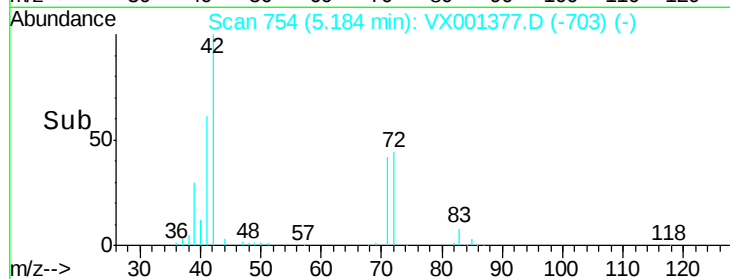
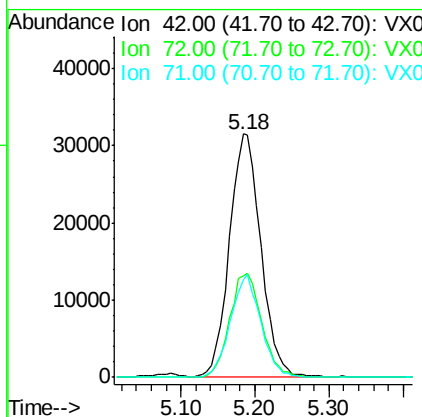
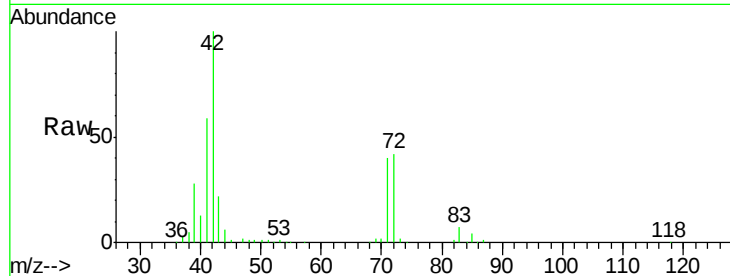
#29
Tetrahydrofuran
Concen: 59.51 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.6	52.0
71	41.1	32.7	49.1

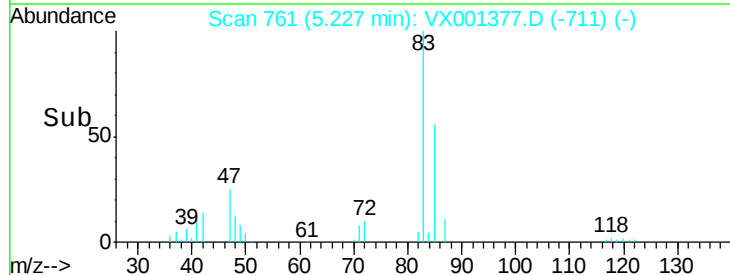
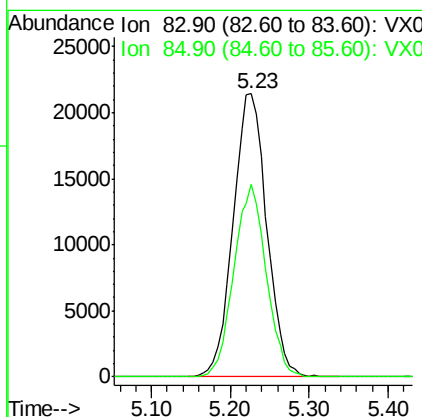
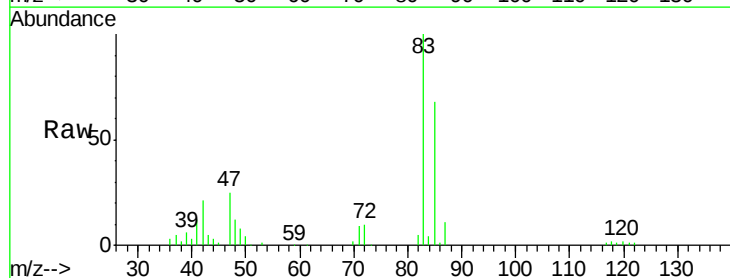
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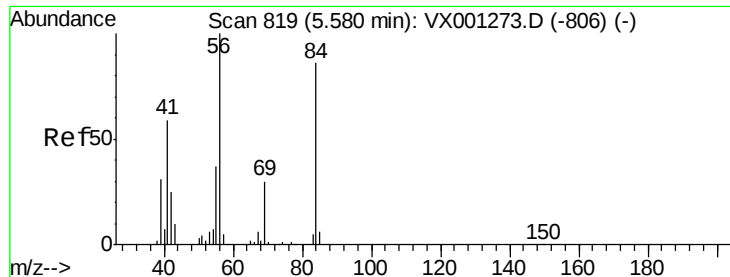
MMDadoda
5/5/2018 11:28:31 PM



#30
Chloroform
Concen: 10.10 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.2	52.2	78.2





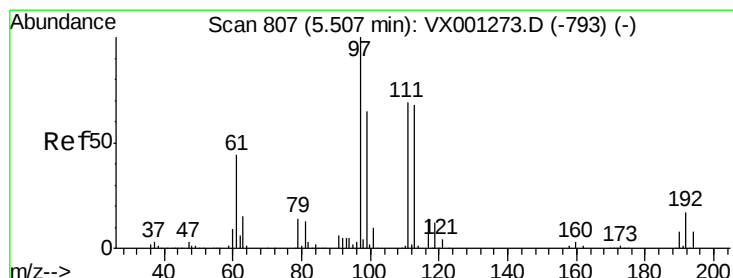
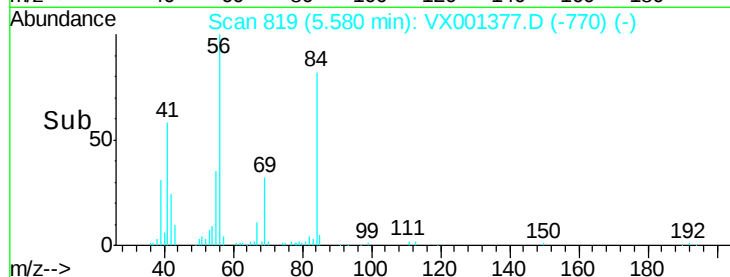
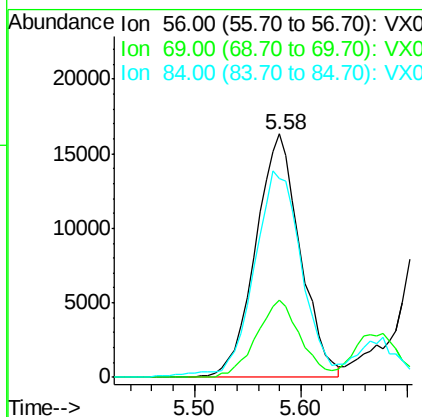
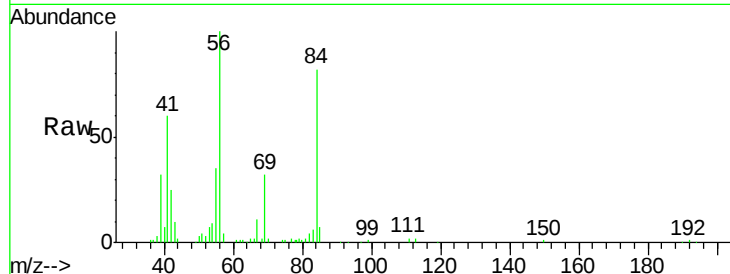
#31
Cyclohexane
Concen: 8.88 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	24.0	36.0
84	80.0	69.0	103.4

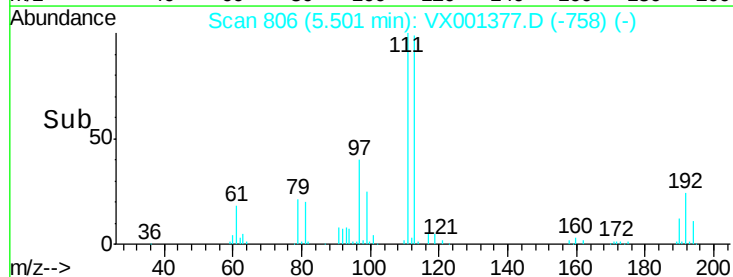
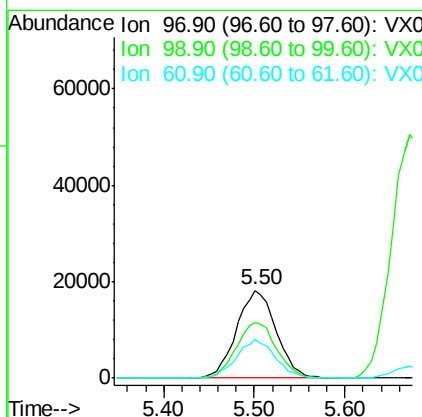
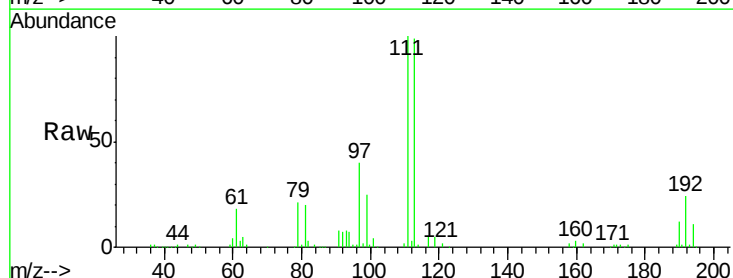
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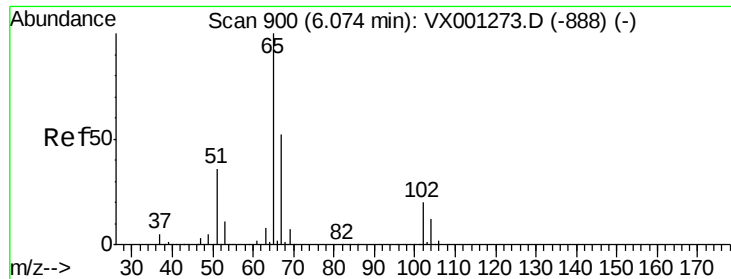
MMDadoda
5/5/2018 11:28:31 PM



#32
1,1,1-Trichloroethane
Concen: 9.98 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.6
61	43.8	35.4	53.2





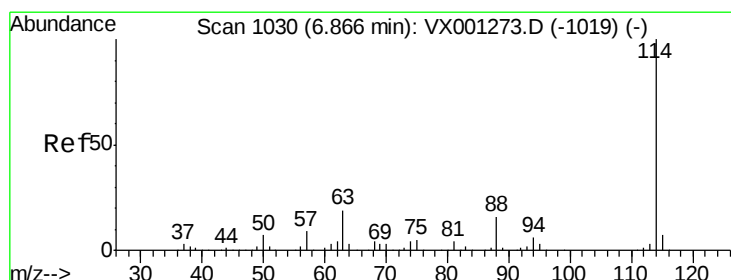
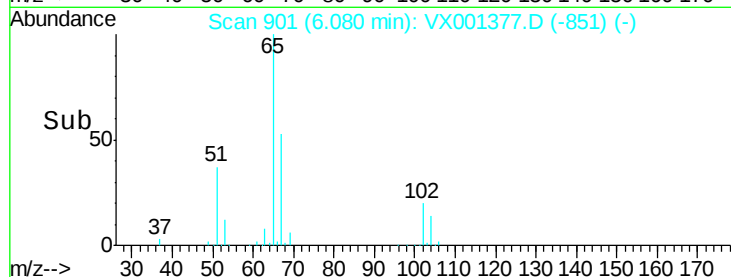
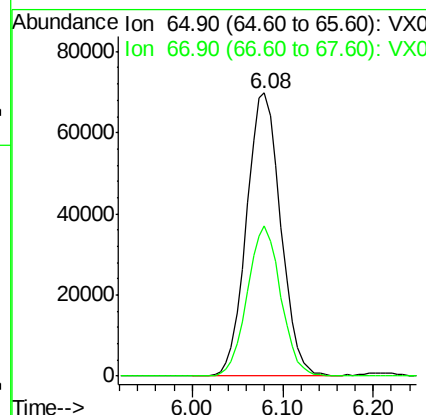
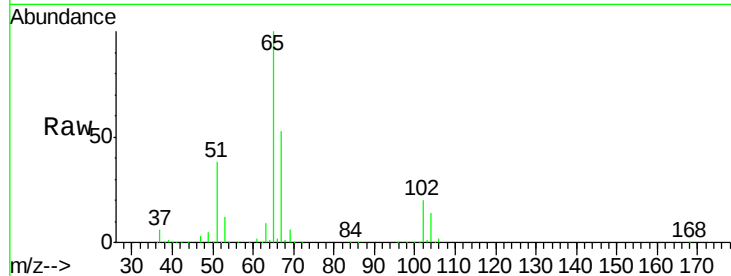
#33
 1,2-Dichloroethane-d4
 Concen: 41.65 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001377.D
 Acq: 03 May 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	181933		
67	52.0	0.0	102.8	

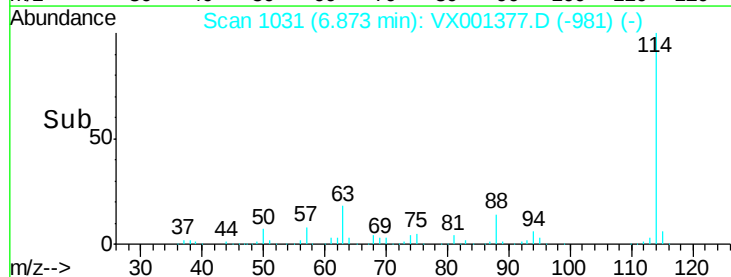
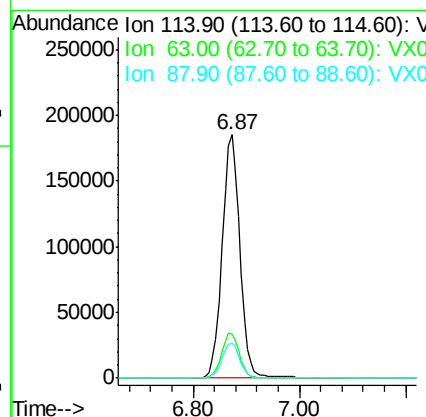
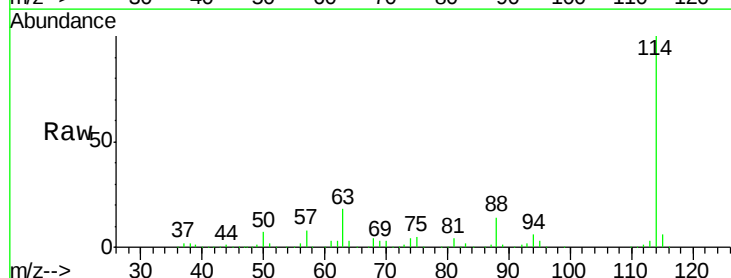
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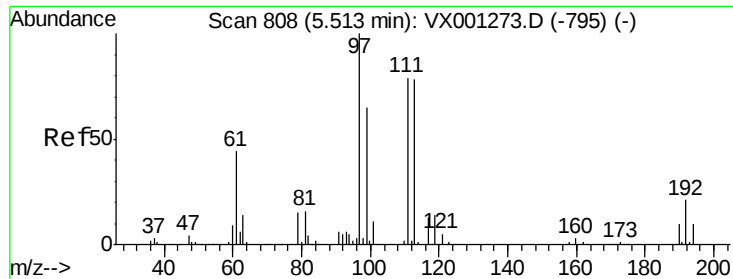
MMDadoda
 5/5/2018 11:28:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001377.D
 Acq: 03 May 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	432282		
63	18.2	0.0	38.8	
88	14.4	0.0	32.2	





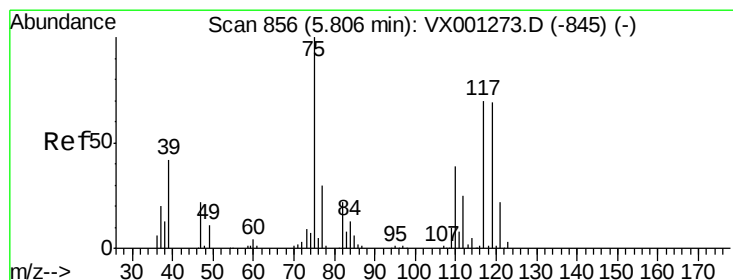
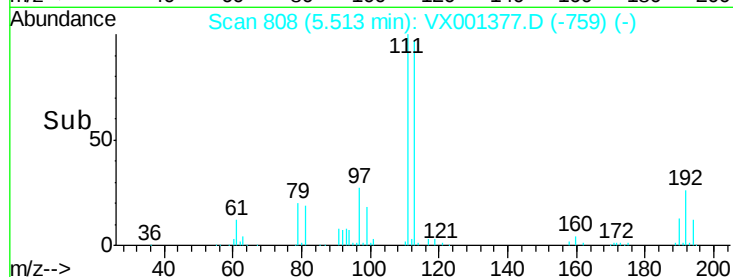
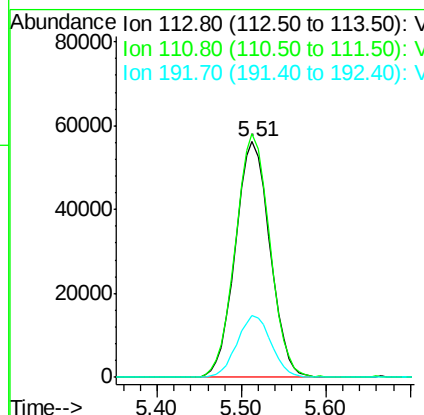
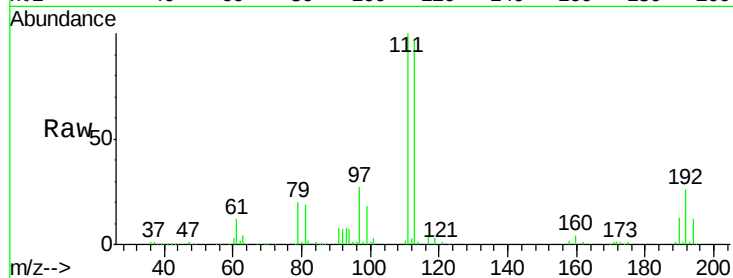
#35
 Dibromofluoromethane
 Concen: 42.05 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001377.D
 Acq: 03 May 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	156597		
111	102.3	81.2	121.8	
192	26.1	20.7	31.1	

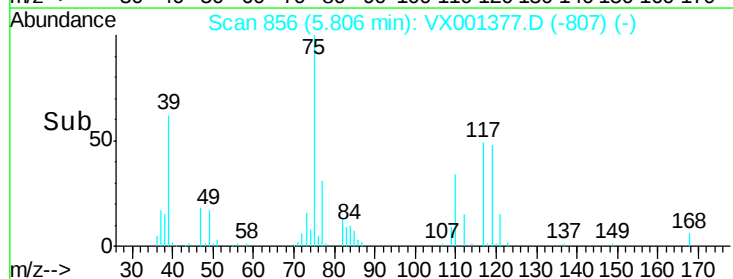
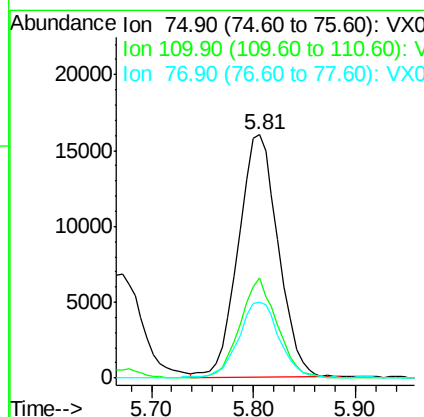
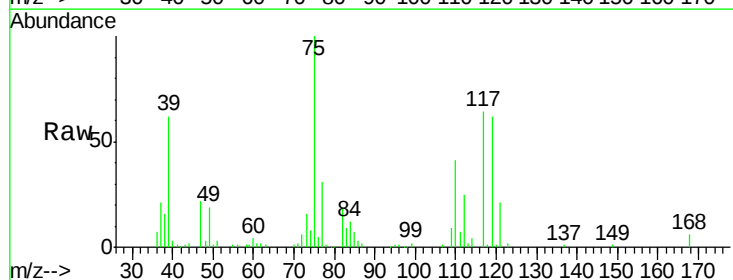
Manual Integrations
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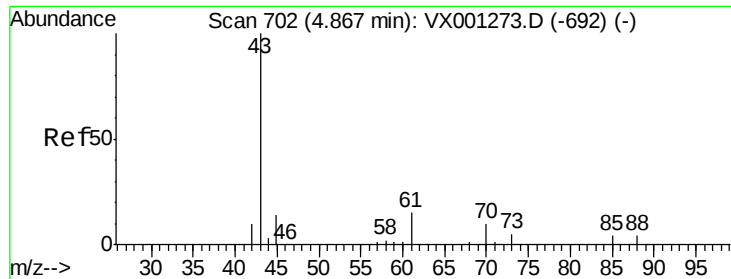
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 5/5/2018 11:28:31 PM



#36
 1,1-Dichloropropene
 Concen: 8.68 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX001377.D
 Acq: 03 May 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	43286		
110	38.5	18.9	56.9	
77	32.6	24.2	36.2	





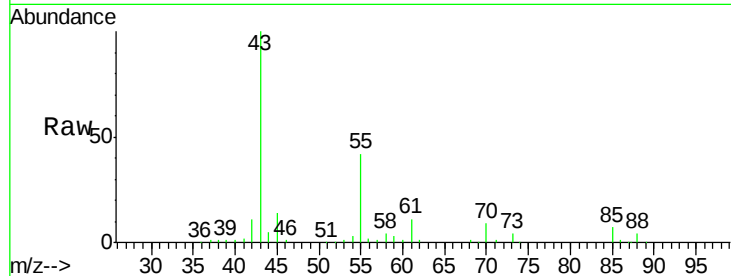
#37
Ethyl Acetate
Concen: 10.55 ug/l
RT: 4.89 min Scan# 705
Delta R.T. 0.02 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.7	16.1
70	10.4	8.0	12.0

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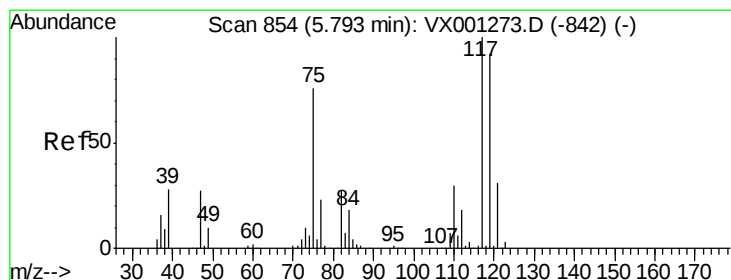
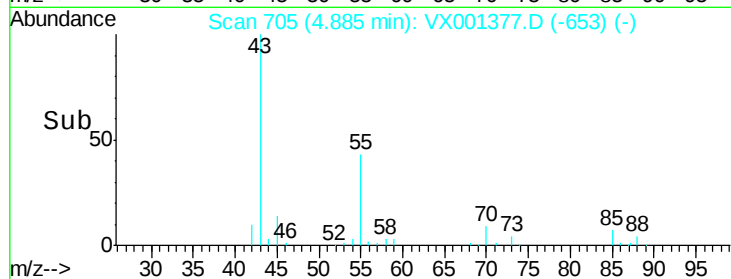
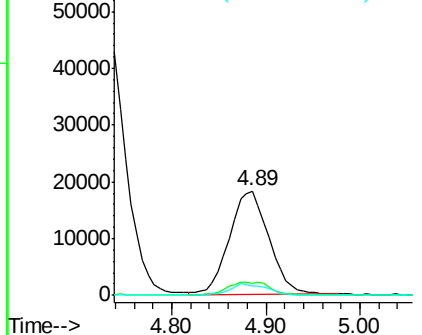


Abundance

Ion 43.00 (42.70 to 43.70): VX001377.D (-692) (-)

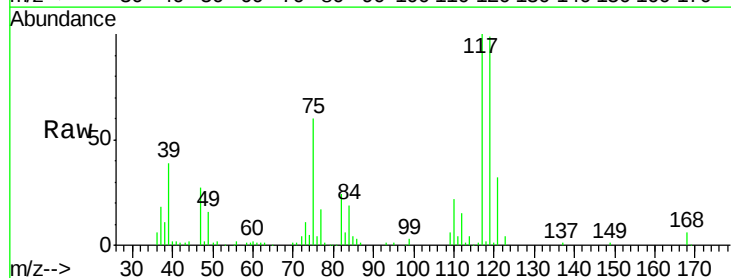
Ion 60.90 (60.60 to 61.60): VX001377.D (-692) (-)

Ion 70.00 (69.70 to 70.70): VX001377.D (-692) (-)



#38
Carbon Tetrachloride
Concen: 9.19 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	73.4	110.2
121	31.5	25.0	37.4

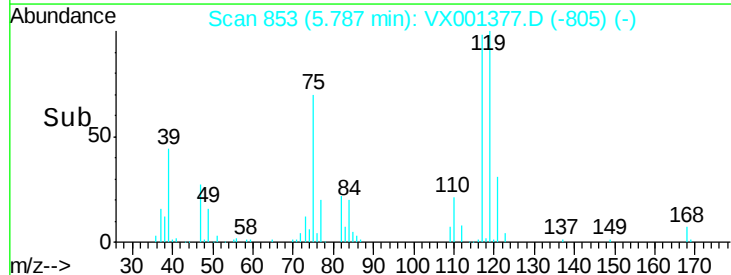
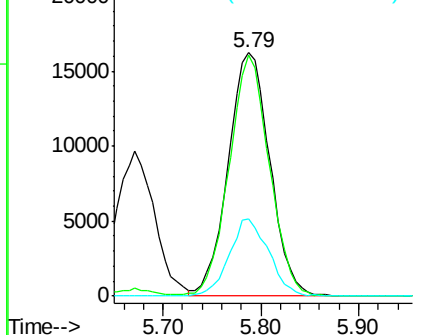


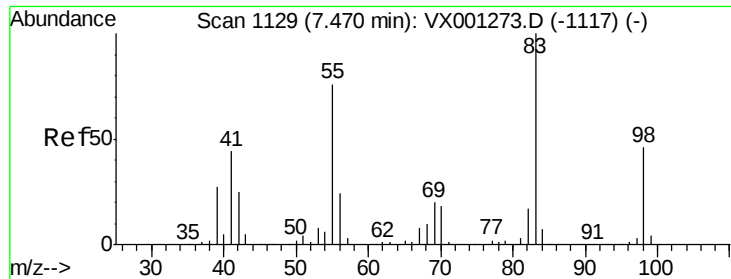
Abundance

Ion 116.80 (116.50 to 117.50): VX001377.D (-842) (-)

Ion 118.80 (118.50 to 119.50): VX001377.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX001377.D (-842) (-)





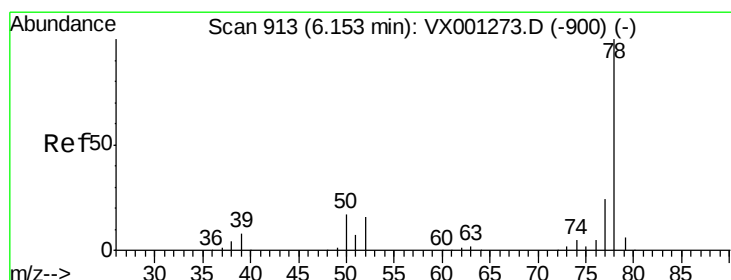
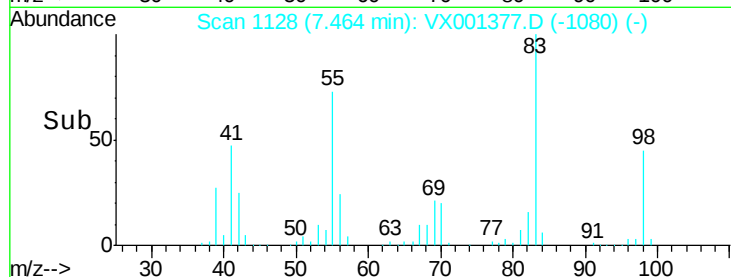
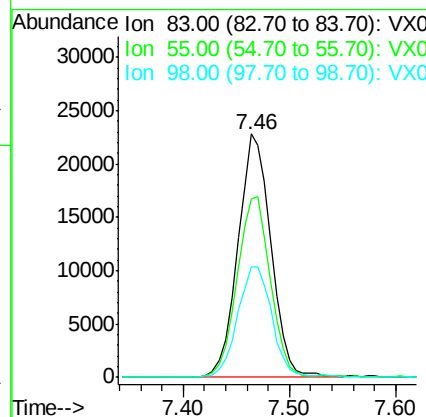
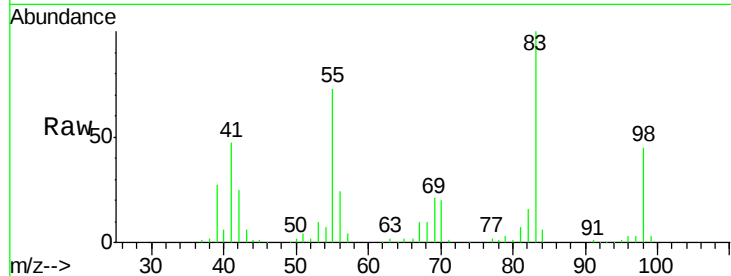
#39
Methvlcvclohexane
Concen: 8.42 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.5	60.4	90.6
98	45.4	37.0	55.6

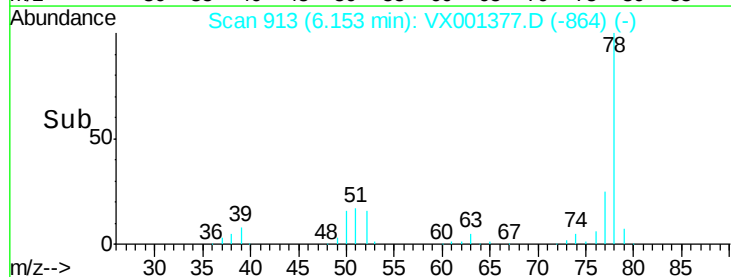
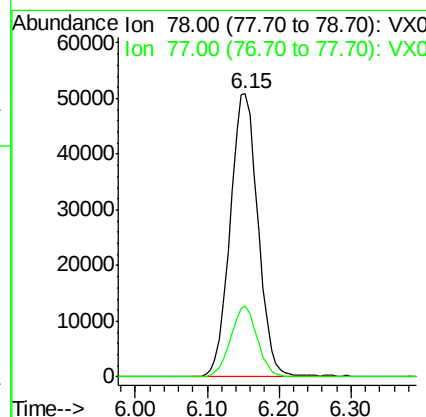
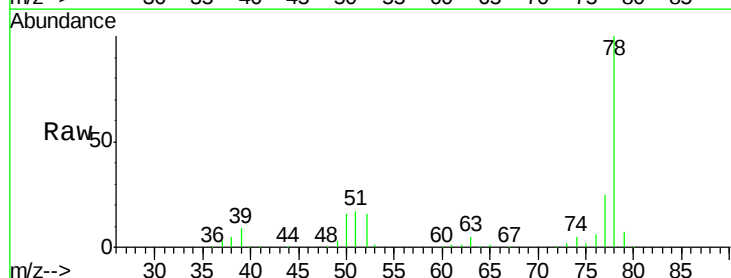
Manual Integrations
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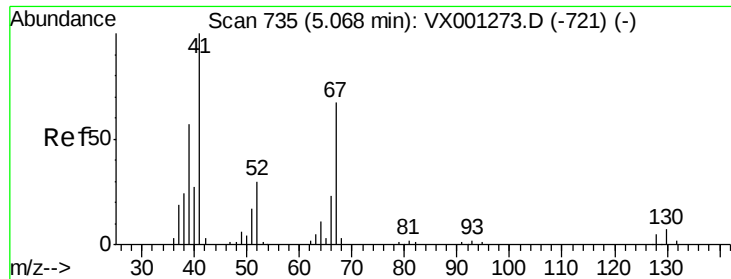
MMDadoda
5/5/2018 11:28:31 PM



#40
Benzene
Concen: 9.53 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.0	28.4





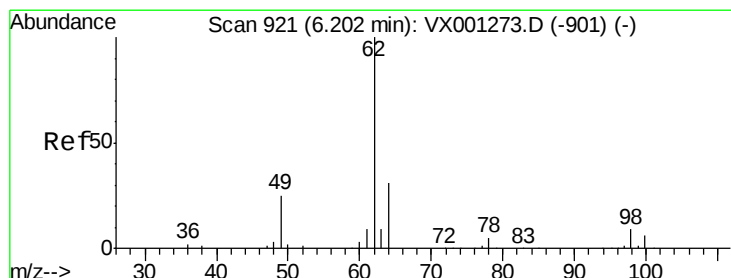
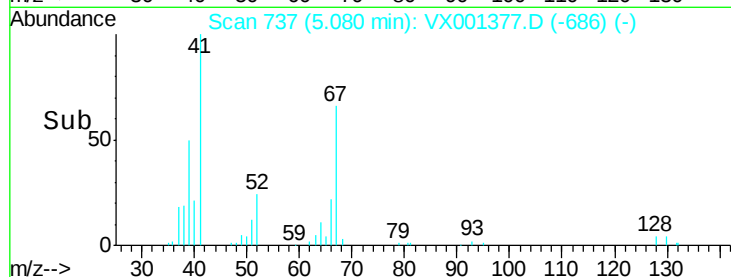
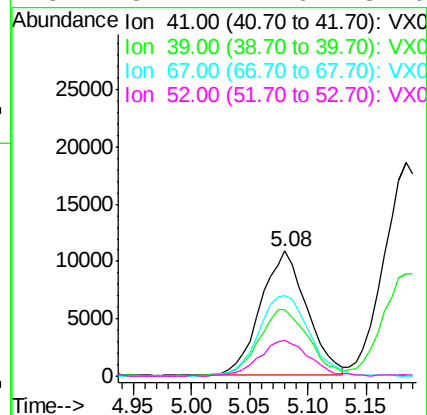
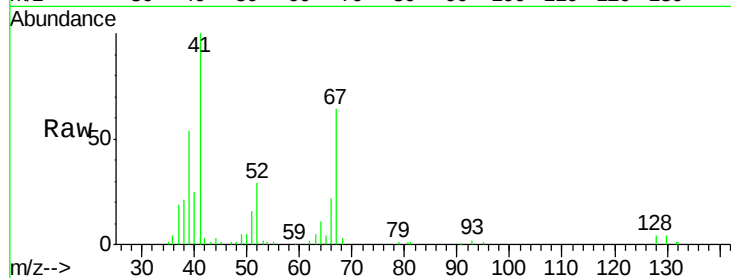
#41
Methacrylonitrile
Concen: 10.29 ug/l
RT: 5.08 min Scan# 737
Delta R.T. 0.01 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		30195		
39	57.5	45.8	68.8		
67	70.1	54.8	82.2		
52	31.4	24.6	37.0		

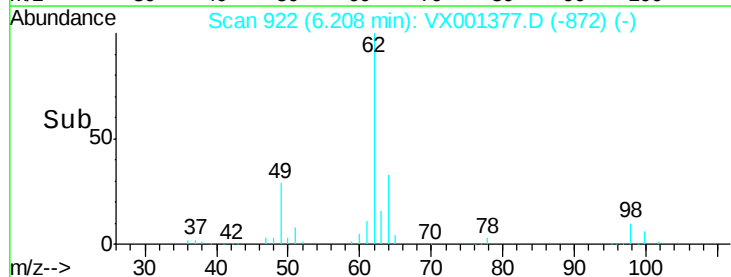
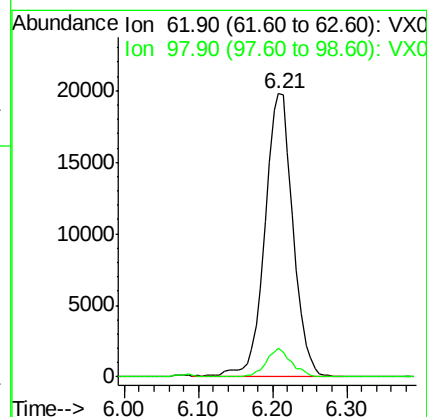
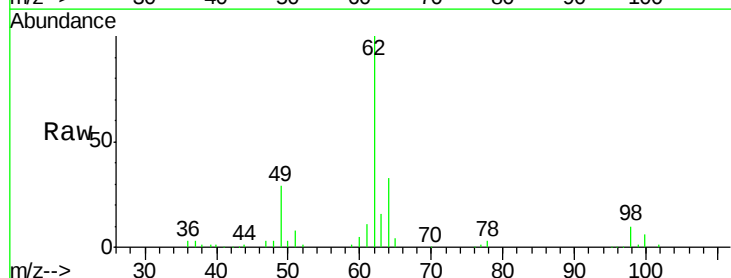
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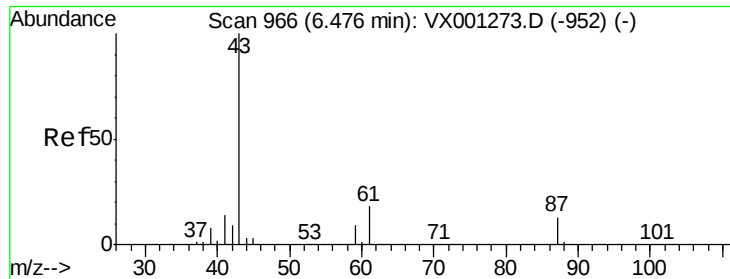
MMDadoda
5/5/2018 11:28:31 PM



#42
1,2-Dichloroethane
Concen: 9.44 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		52441		
98	8.9	0.0	17.2		





#43

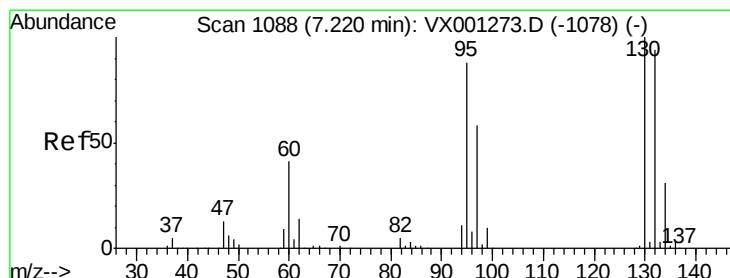
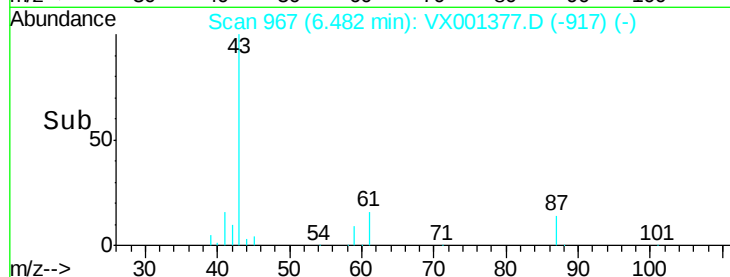
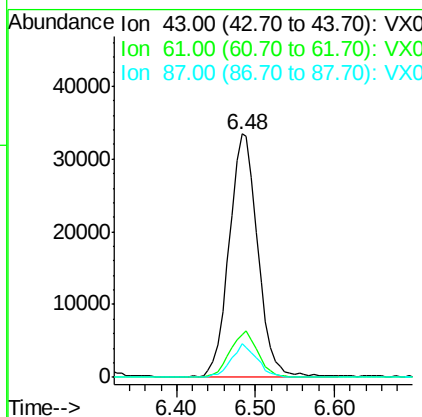
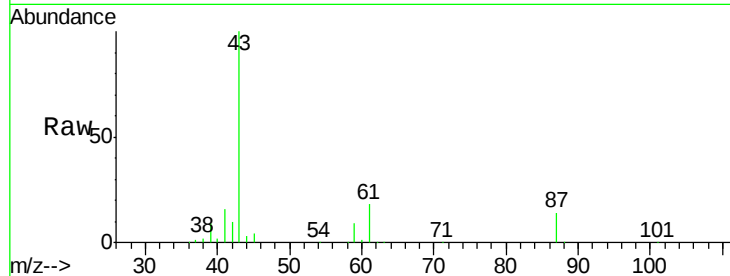
Isopropyl Acetate
 Concen: 10.27 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX001377.D
 Acq: 03 May 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.0	22.4
87	12.6	10.2	15.4

Manual Integrations
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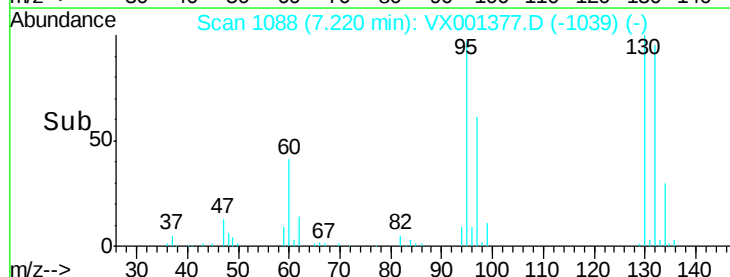
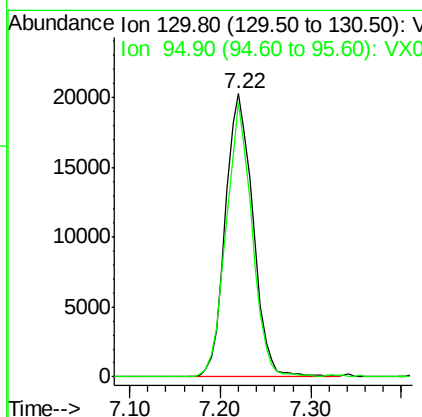
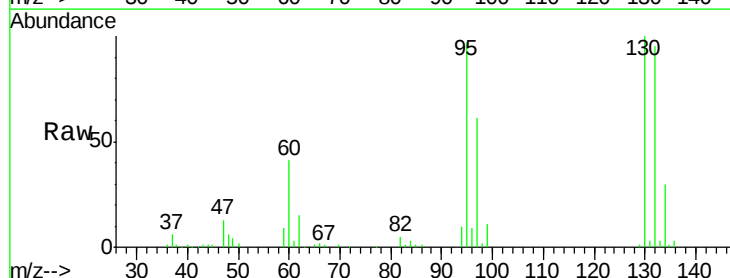
MMDadoda
 5/5/2018 11:28:31 PM

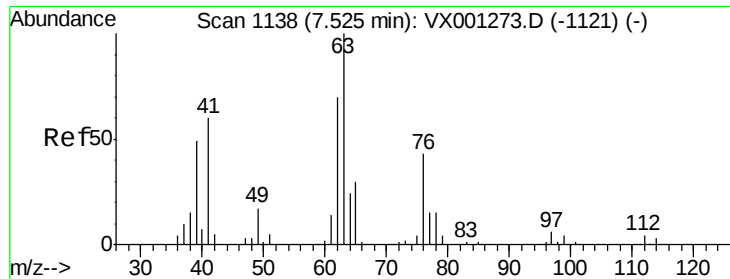


#44

Trichloroethene
 Concen: 9.80 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001377.D
 Acq: 03 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	176.0





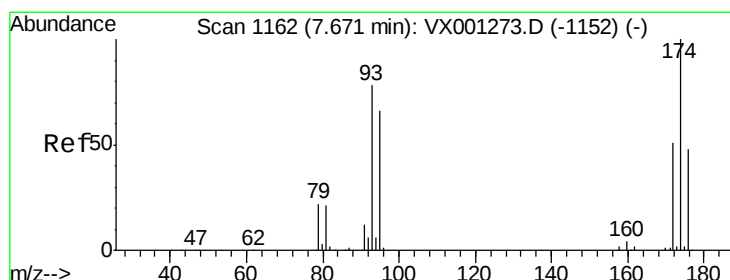
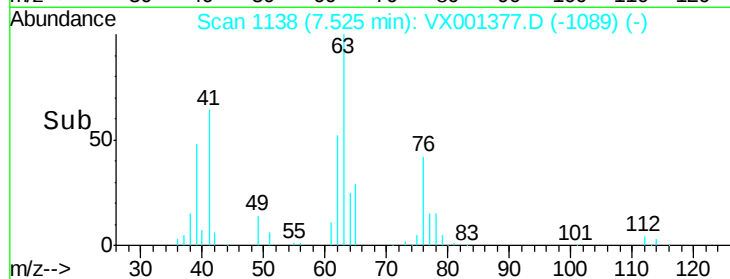
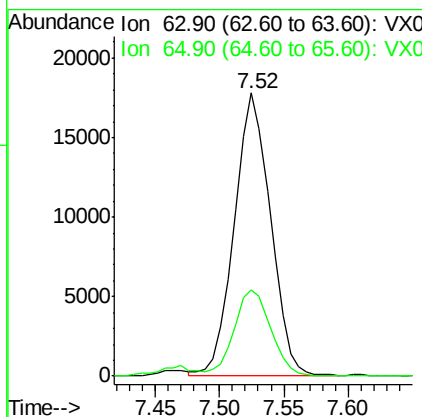
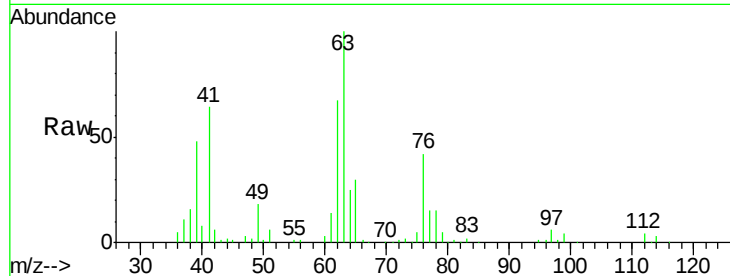
#45
 1,2-Dichloropropane
 Concen: 9.39 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001377.D
 Acq: 03 May 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD01

Tot Ion: 63 Resp: 34614
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.2 36.4

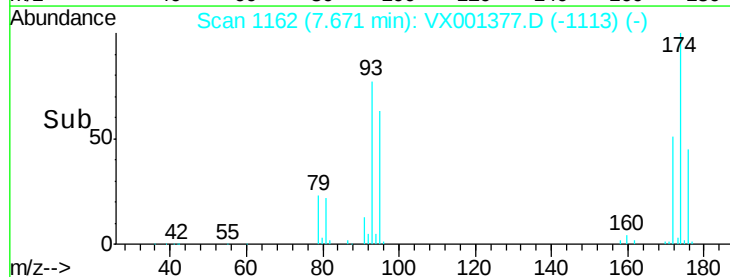
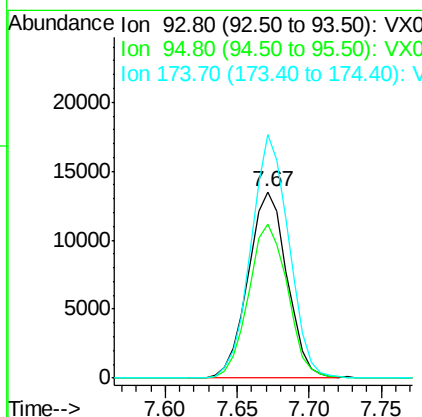
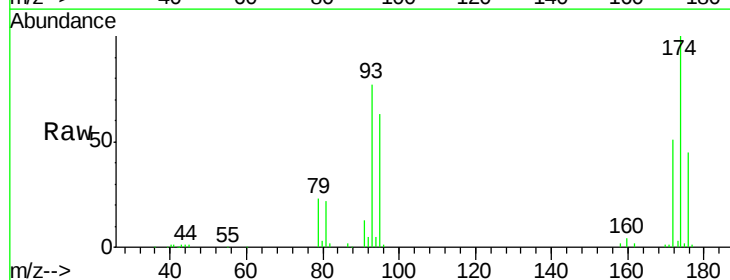
Manual Integrations
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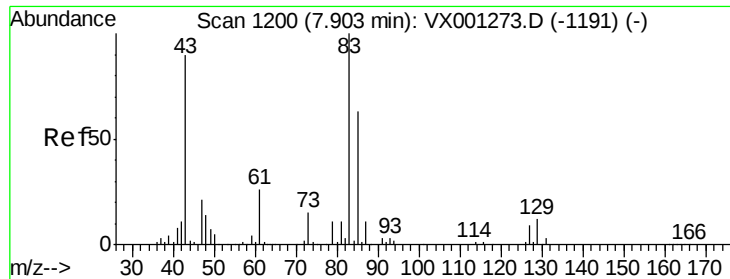
MMDadoda
 5/5/2018 11:28:31 PM



#46
 Dibromomethane
 Concen: 9.77 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001377.D
 Acq: 03 May 2018 23:21

Tgt Ion: 93 Resp: 25229
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.0 100.6
 174 126.9 102.3 153.5





#47

Bromodichloromethane

Concen: 9.44 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

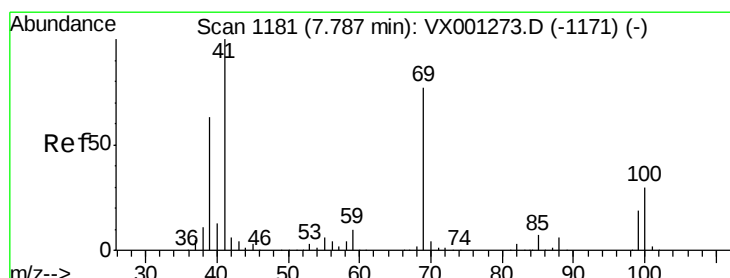
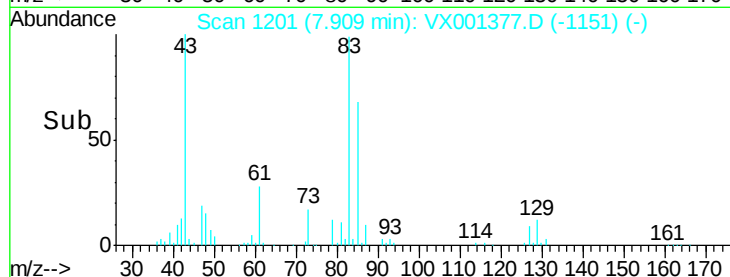
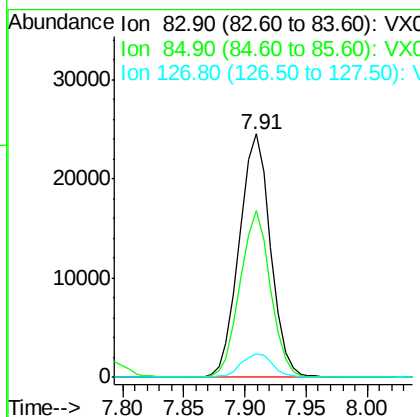
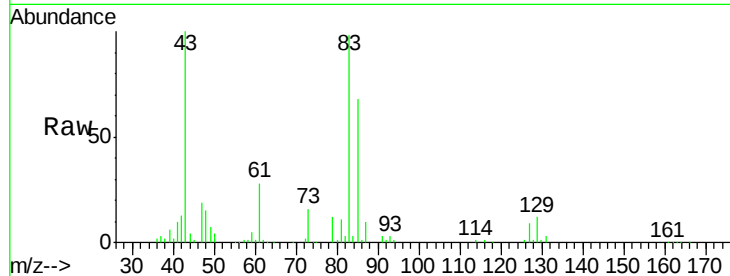
ClientSampleId :

VX0503WBSD01

Tot Ion:	83	Resp:	43593
Ion Ratio	Lower	Upper	
83	100		
85	68.7	50.3	75.5
127	9.5	7.4	11.2

Manual Integrations
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5/5/2018 11:28:31 PM



#48

Methyl methacrylate

Concen: 9.96 ug/l

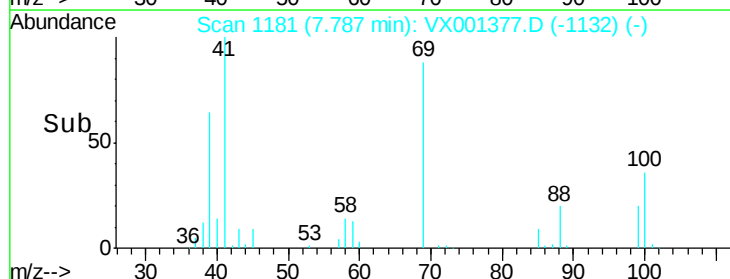
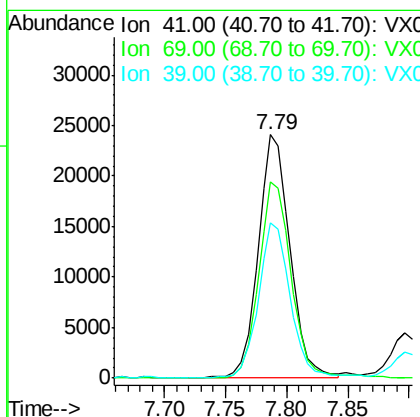
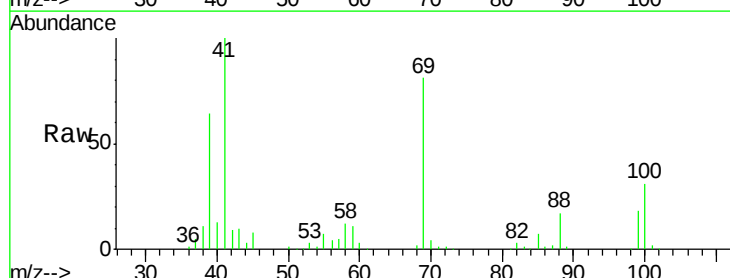
RT: 7.79 min Scan# 1181

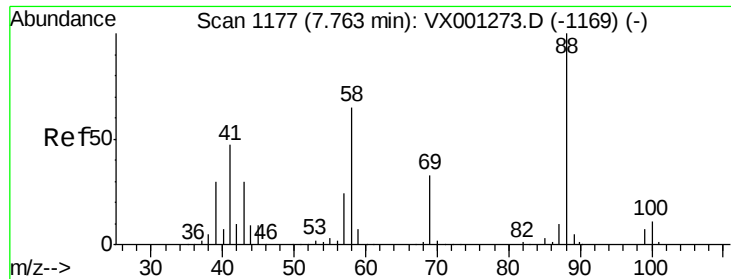
Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Tgt Ion:	41	Resp:	43175
Ion Ratio	Lower	Upper	
41	100		
69	83.3	63.0	94.6
39	65.5	50.2	75.4





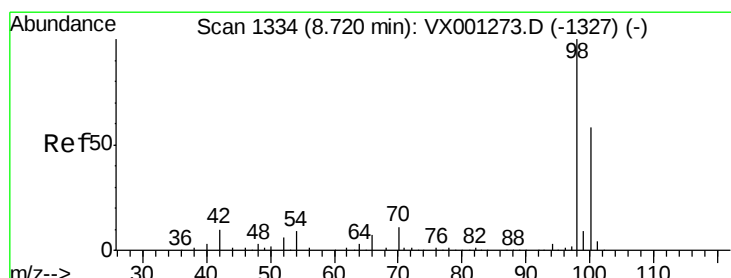
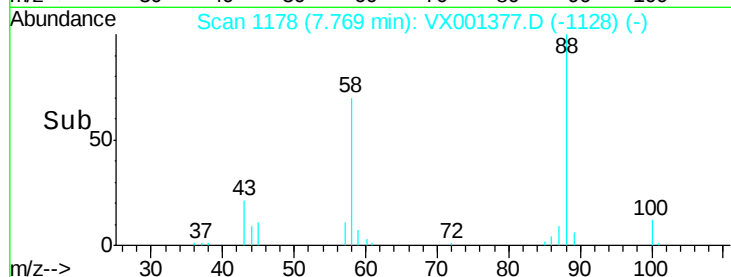
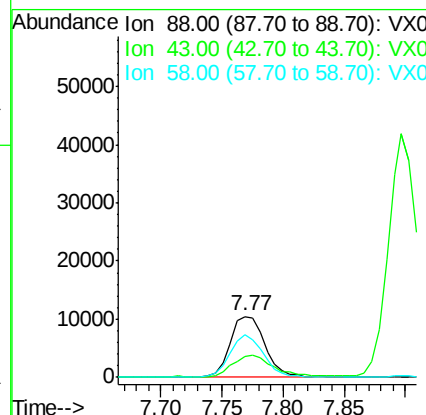
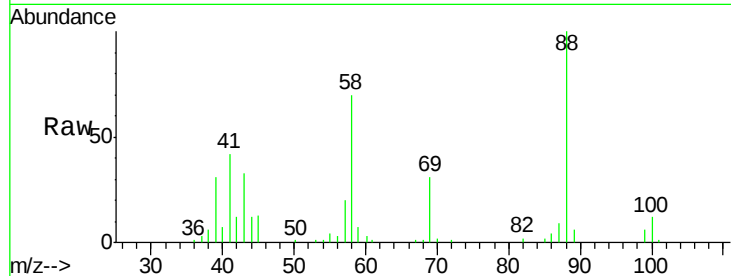
#49
1,4-Dioxane
Concen: 251.83 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.6	27.9	41.9
58	68.8	54.2	81.2

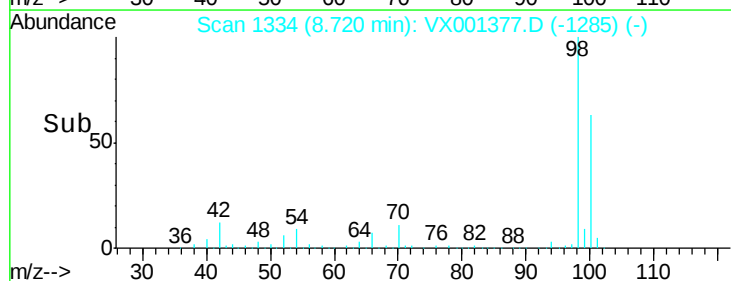
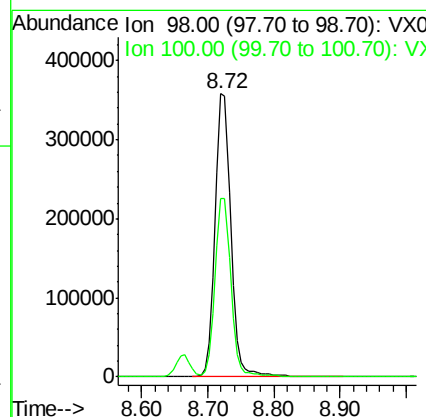
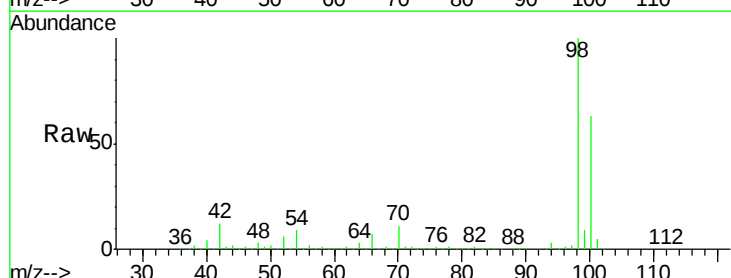
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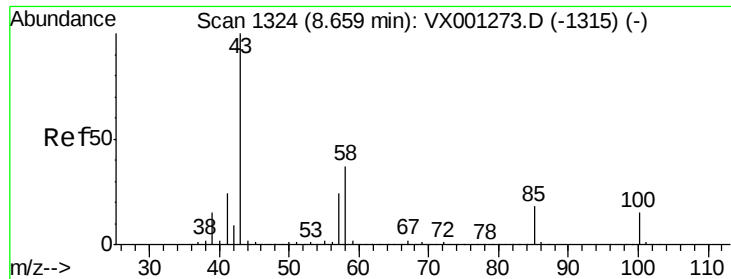
MMDadoda
5/5/2018 11:28:31 PM



#50
Toluene-d8
Concen: 44.46 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 56.77 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion: 43 Resp: 298513

Ion Ratio Lower Upper

43 100

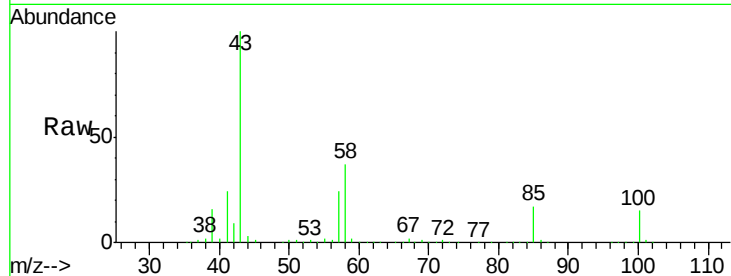
58 36.3 29.0 43.6

Manual Integrations

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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

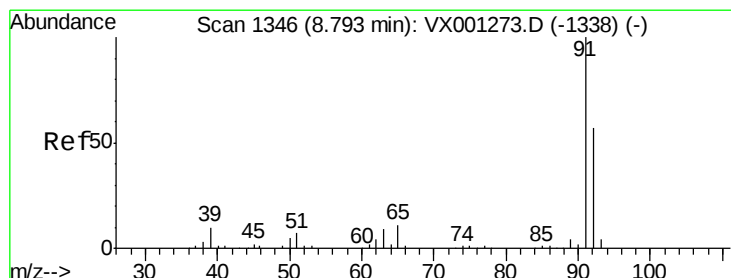
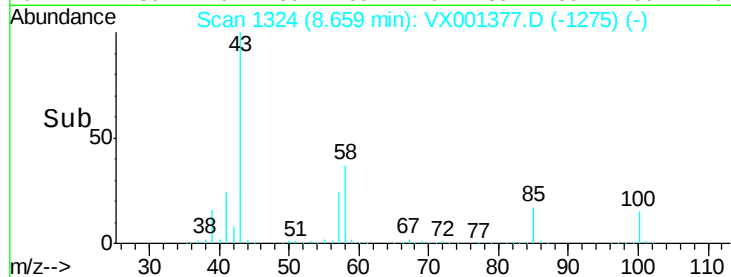
100000

50000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 9.46 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001377.D

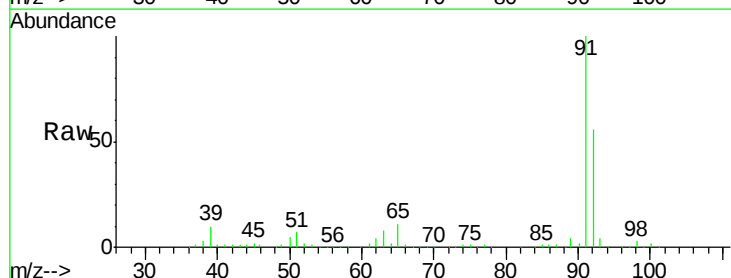
Acq: 03 May 2018 23:21

Tgt Ion: 92 Resp: 88719

Ion Ratio Lower Upper

92 100

91 177.5 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

100000

80000

60000

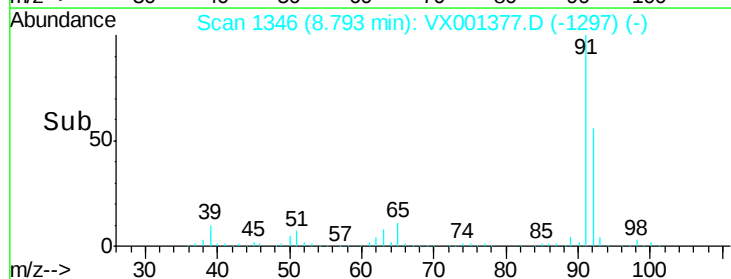
40000

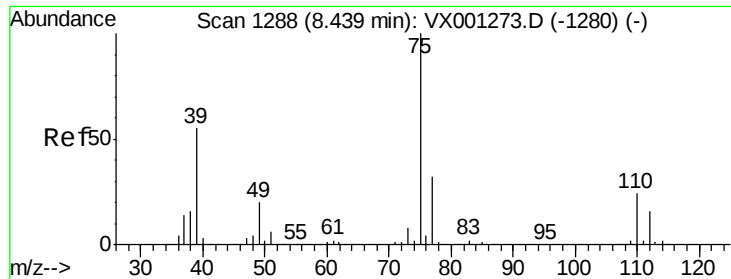
20000

0

8.70 8.80 8.90

Time-->





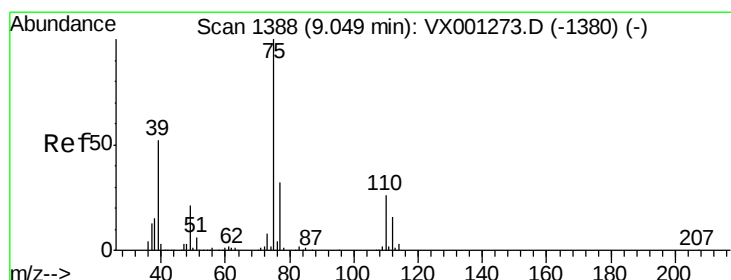
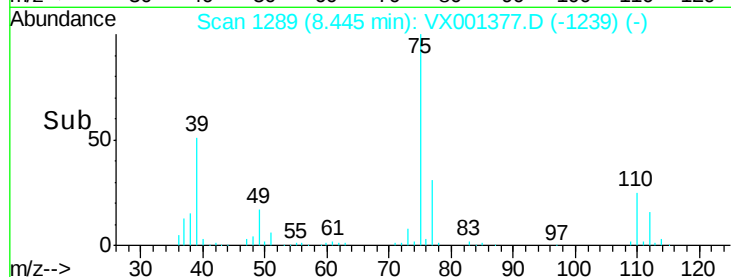
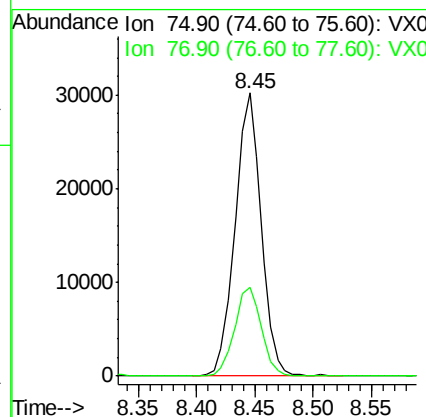
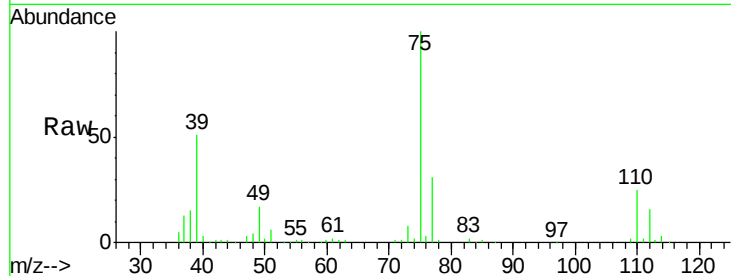
#53
 t-1,3-Dichloropropene
 Concen: 8.60 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. 0.01 min
 Lab File: VX001377.D
 Acq: 03 May 2018 23:21

Instrument :
 MSVOA_X
 ClientSampled :
 VX0503WBSD01

Tot Ion: 75 Resp: 47260
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.6 38.4

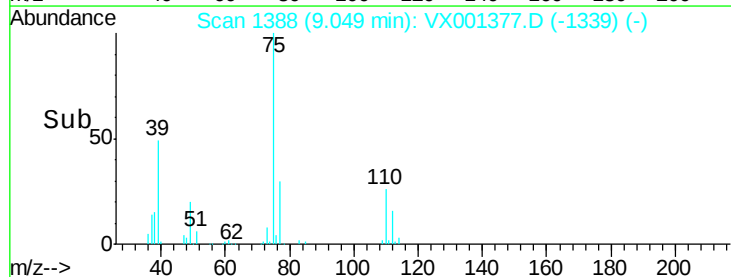
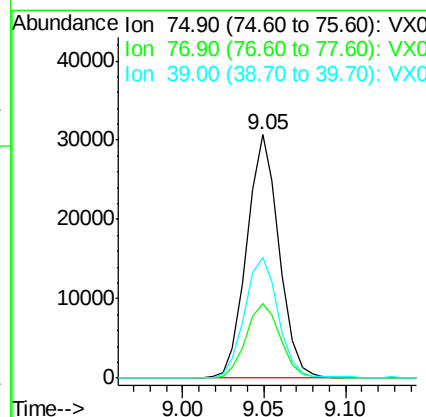
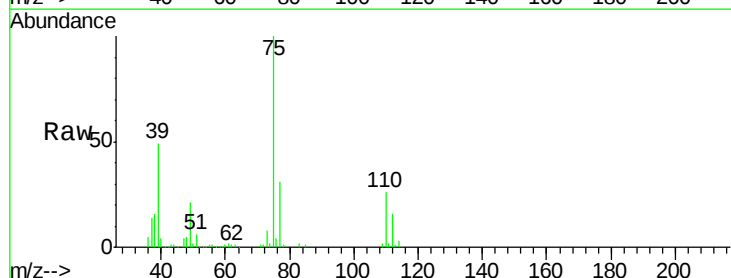
Manual Integrations
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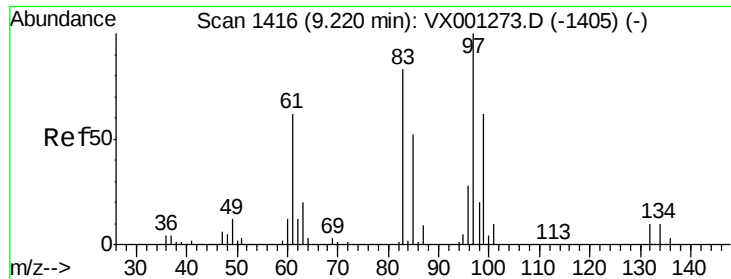
MMDadoda
 5/5/2018 11:28:31 PM



#54
 cis-1,3-Dichloropropene
 Concen: 8.39 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001377.D
 Acq: 03 May 2018 23:21

Tgt Ion: 75 Resp: 42387
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.5 38.3
 39 49.3 41.9 62.9





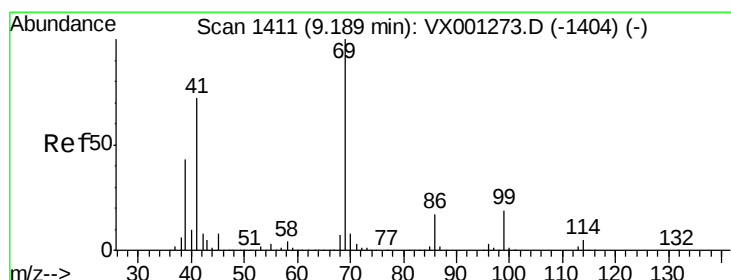
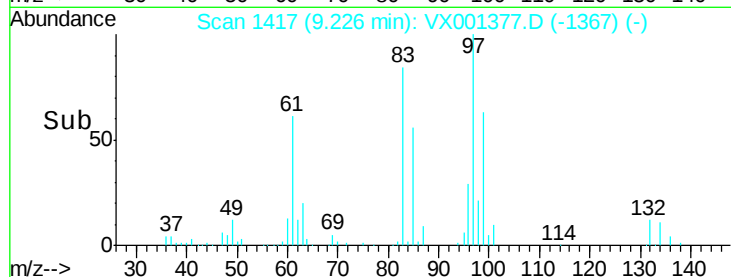
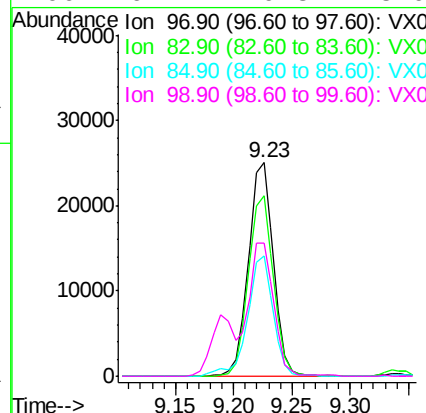
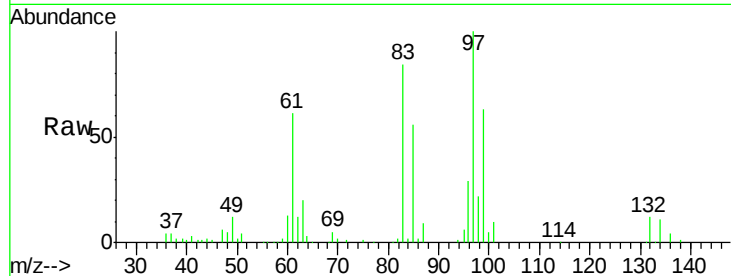
#55
 1,1,2-Trichloroethane
 Concen: 9.90 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VX001377.D
 Acq: 03 May 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD01

Tot Ion:	97	Resp:	37535
Ion	Ratio	Lower	Upper
97	100		
83	84.3	66.4	99.6
85	56.2	41.6	62.4
99	62.4	49.3	73.9

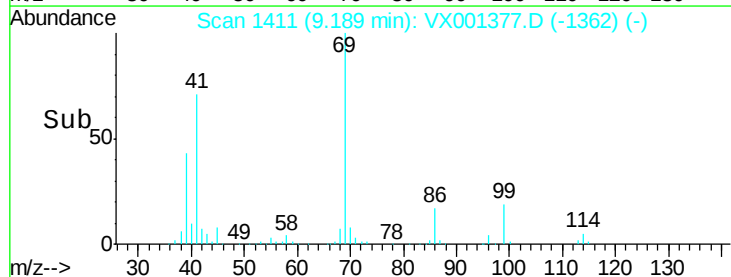
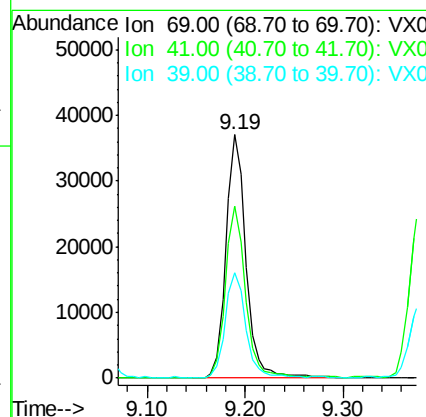
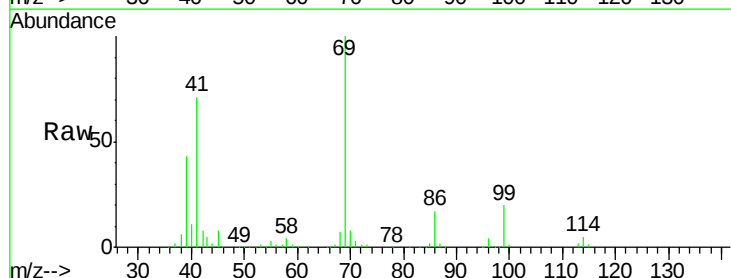
Manual Integrations
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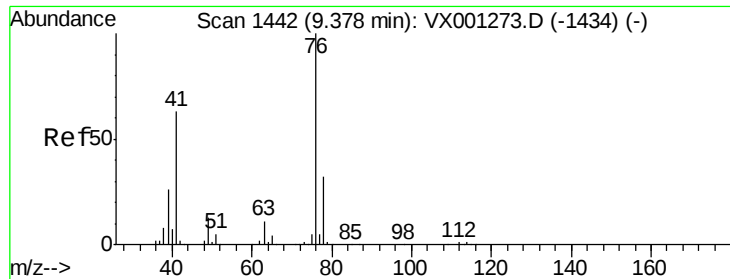
MMDadoda
 5/5/2018 11:28:31 PM



#56
 Ethyl methacrylate
 Concen: 10.02 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001377.D
 Acq: 03 May 2018 23:21

Tgt Ion:	69	Resp:	52625
Ion	Ratio	Lower	Upper
69	100		
41	70.4	57.2	85.8
39	44.2	34.3	51.5





#57

1,3-Dichloropropane

Concen: 9.81 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion: 76 Resp: 59783

Ion Ratio Lower Upper

76 100

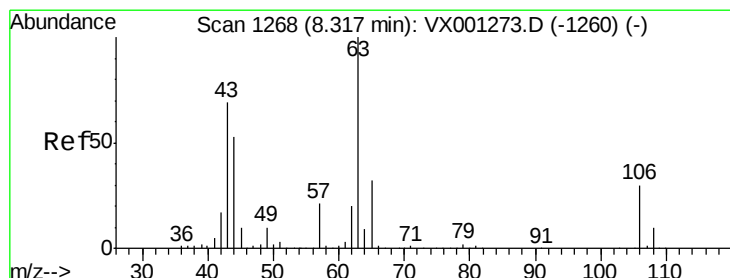
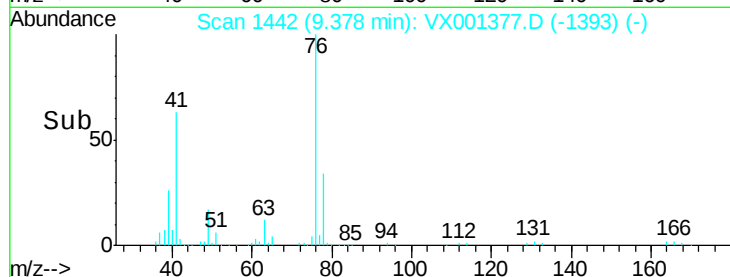
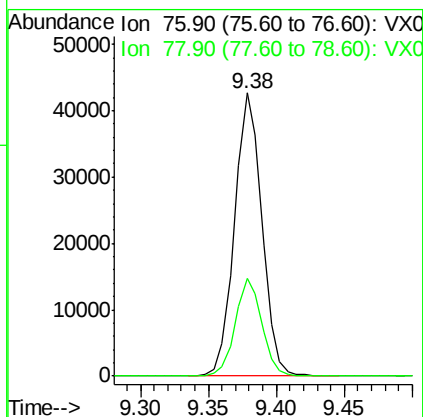
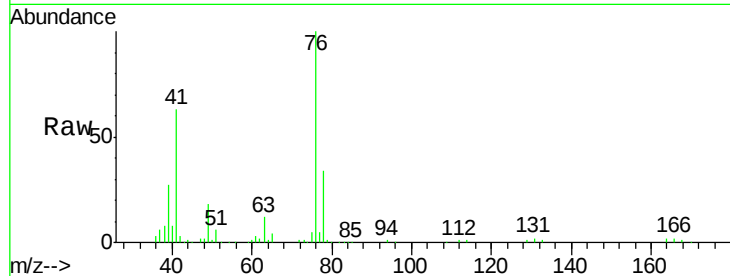
78 33.4 25.6 38.4

Manual Integrations

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5/5/2018 11:28:31 PM



#58

2-Chloroethyl Vinyl ether

Concen: 53.37 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VX001377.D

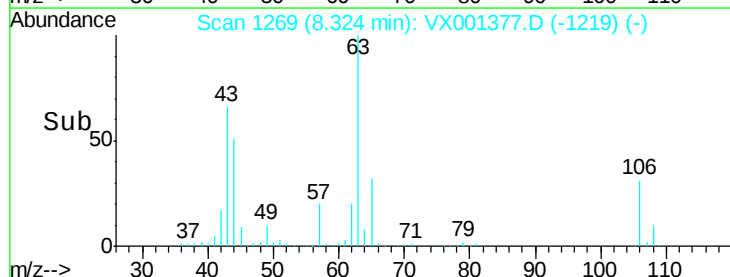
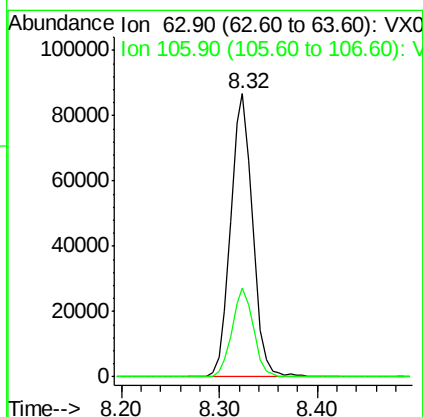
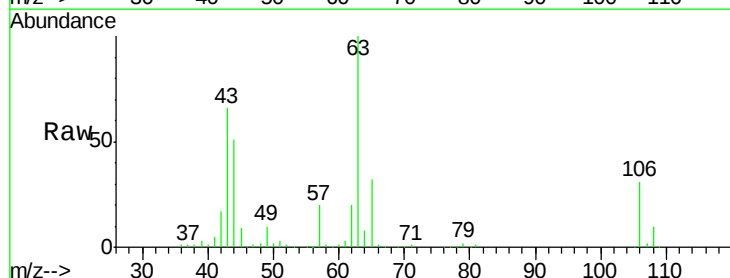
Acq: 03 May 2018 23:21

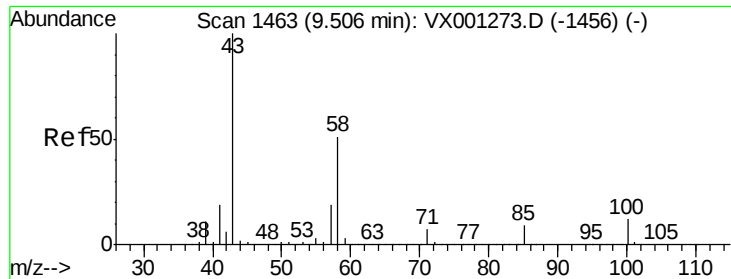
Tgt Ion: 63 Resp: 135213

Ion Ratio Lower Upper

63 100

106 30.7 23.8 35.6





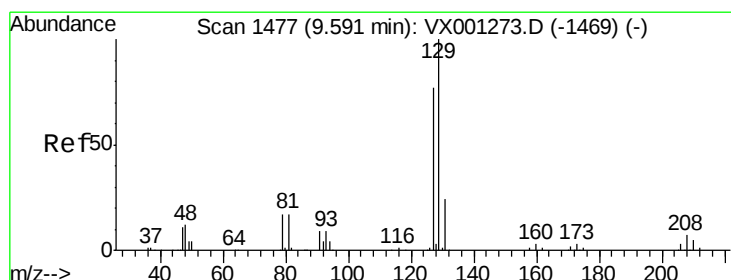
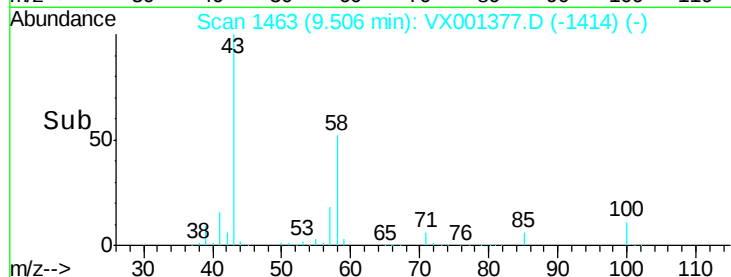
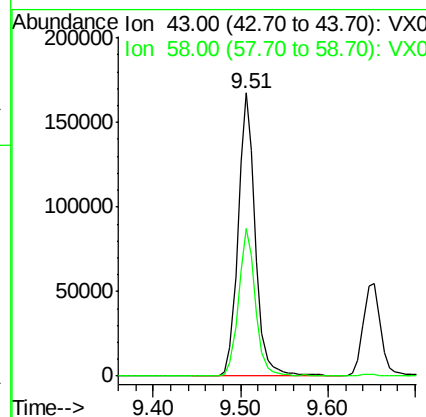
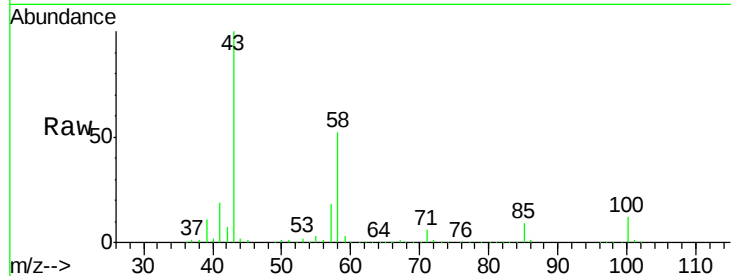
#59
2-Hexanone
Concen: 55.95 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion: 43 Resp: 229923
Ion Ratio Lower Upper
43 100
58 51.8 25.7 77.0

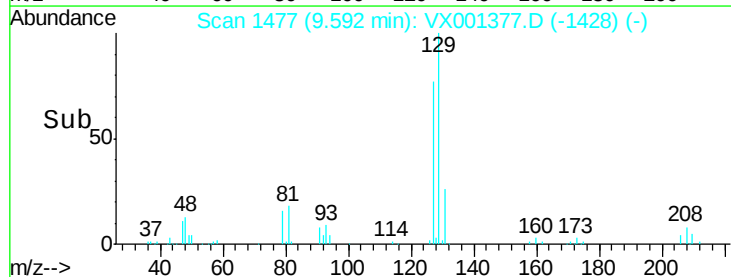
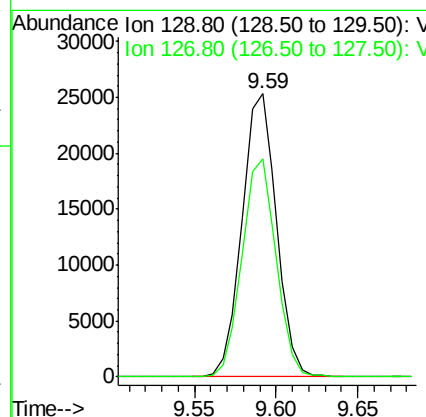
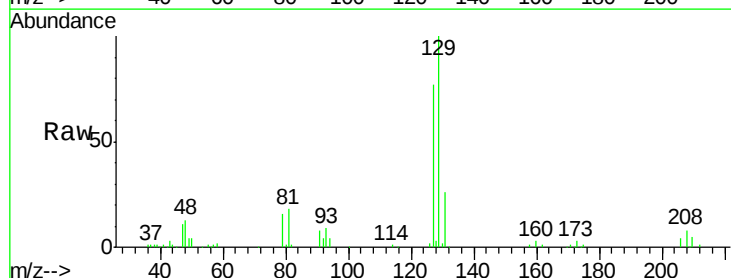
Manual Integrations
APPROVED

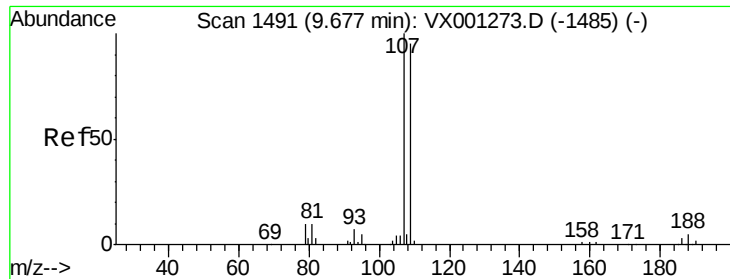
MMDadoda
5/5/2018 11:28:31 PM



#60
Dibromochloromethane
Concen: 9.42 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Tgt Ion: 129 Resp: 37228
Ion Ratio Lower Upper
129 100
127 76.2 39.1 117.3





#61

1,2-Dibromoethane

Concen: 10.08 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion:107 Resp: 40479

Ion Ratio Lower Upper

107 100

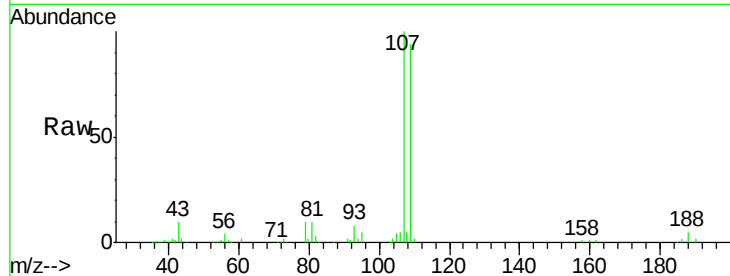
109 93.0 75.4 113.2

Manual Integrations

APPROVED

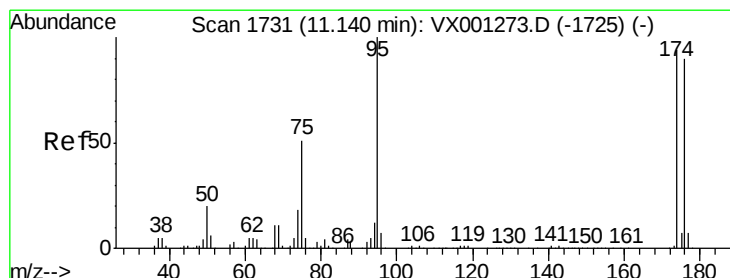
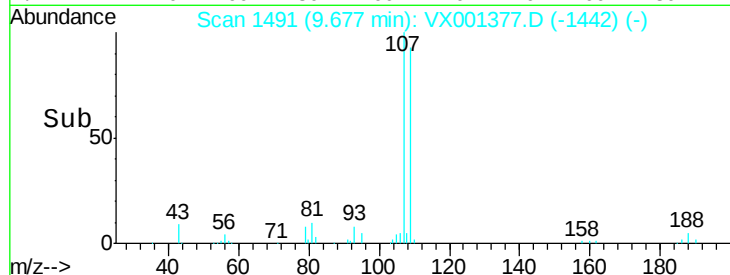
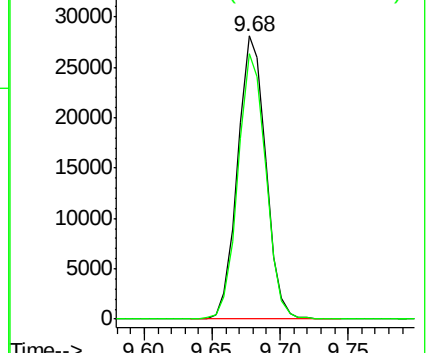
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 39.51 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

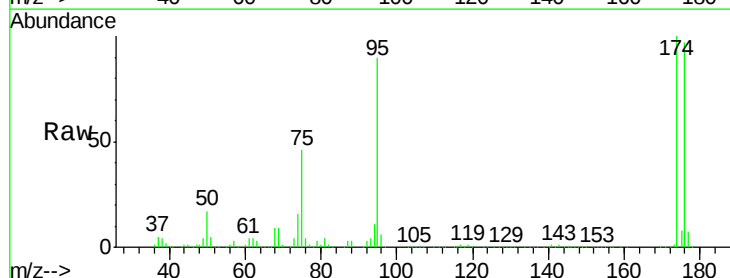
Tgt Ion: 95 Resp: 210238

Ion Ratio Lower Upper

95 100

174 106.4 0.0 201.8

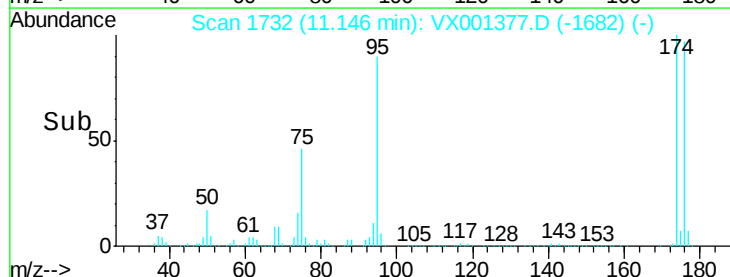
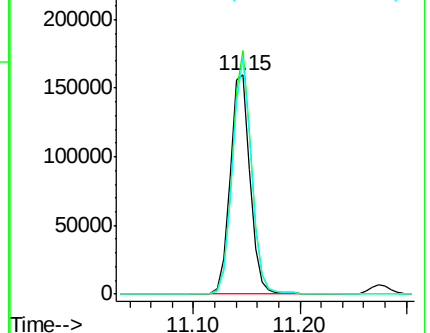
176 102.7 0.0 197.2

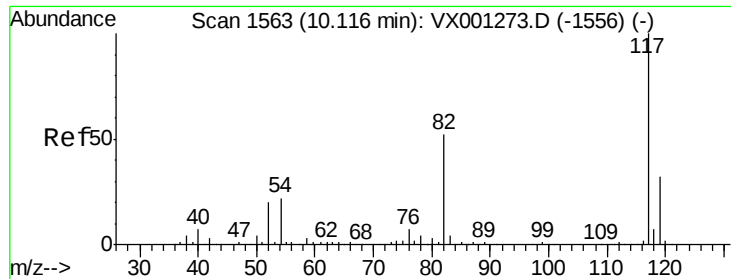


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





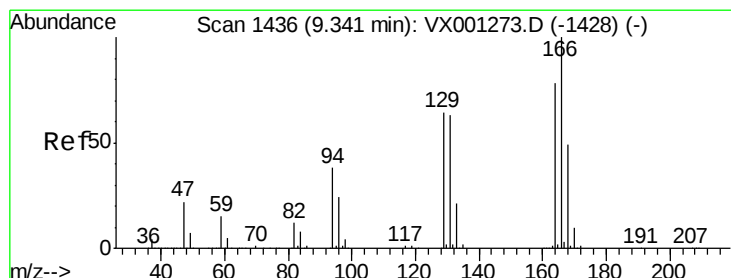
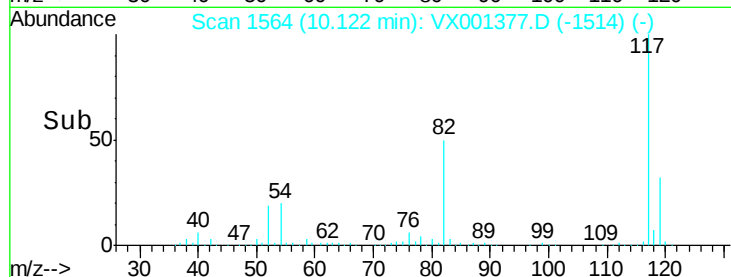
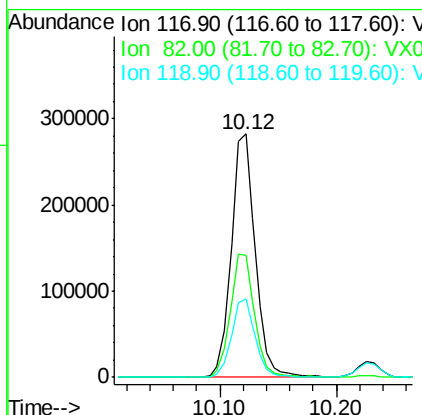
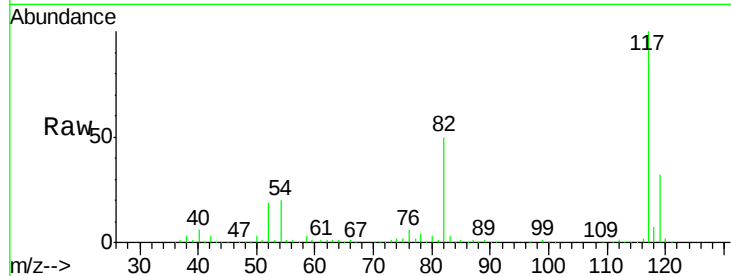
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Instrument :
MSVOA_X
ClientSampled :
VX0503WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	405154		
82	50.3	41.4	62.0	
119	32.2	25.5	38.3	

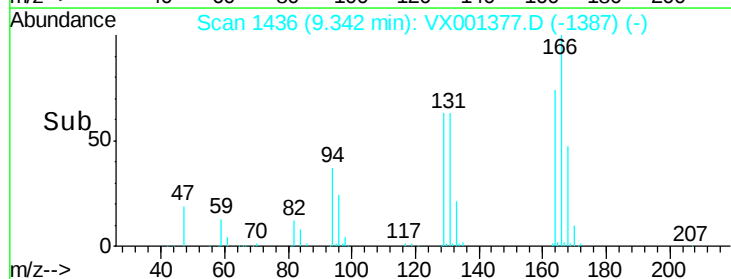
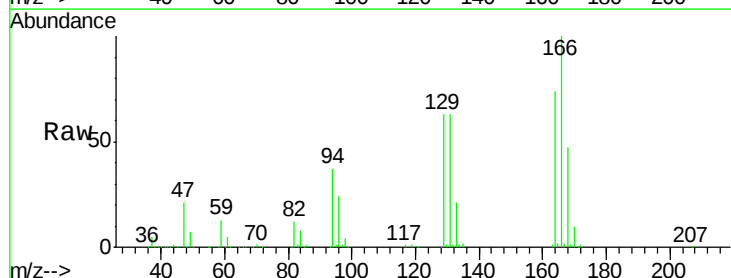
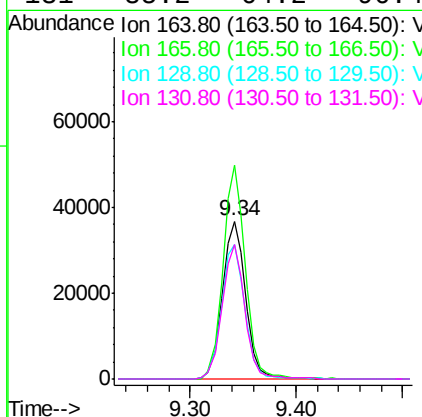
Manual Integrations
APPROVED

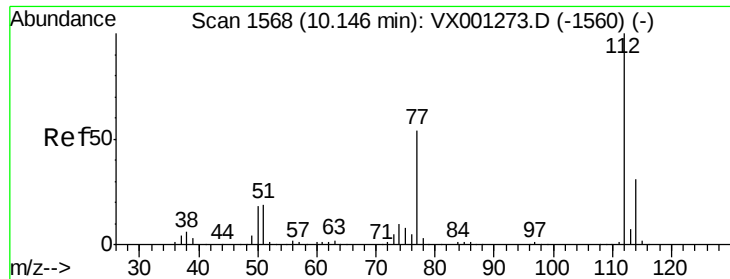
MMDadoda
5/5/2018 11:28:31 PM



#64
Tetrachloroethene
Concen: 11.67 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	55996		
166	135.6	102.3	153.5	
129	85.1	65.1	97.7	
131	85.2	64.2	96.4	





#65

Chlorobenzene

Concen: 9.53 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion:112 Resp: 104995

Ion Ratio Lower Upper

112 100

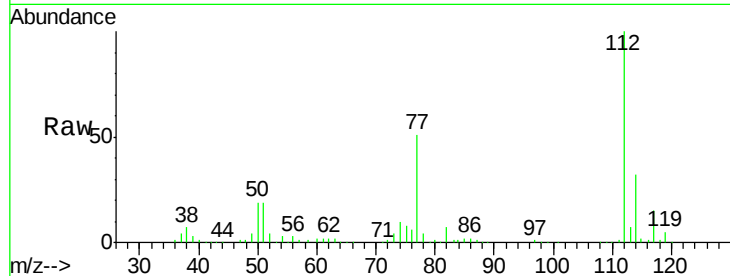
114 31.9 24.8 37.2

Manual Integrations

APPROVED

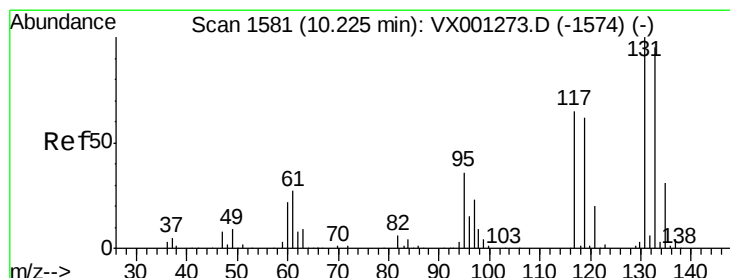
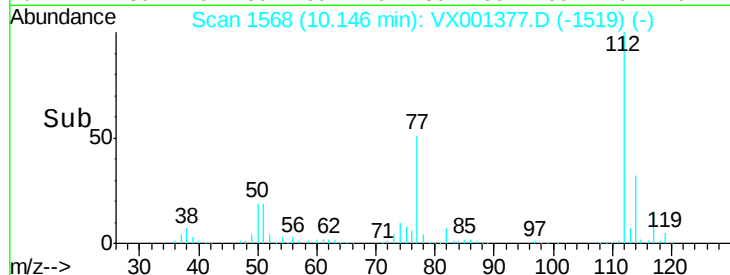
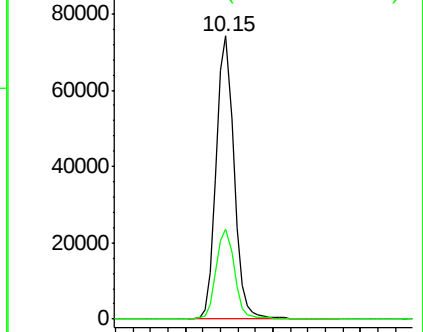
MMDadoda

5/5/2018 11:28:31 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.12 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

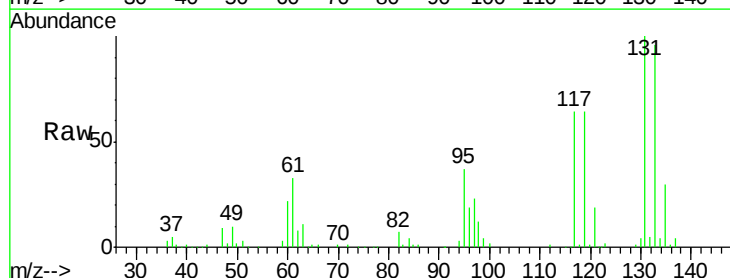
Tgt Ion:131 Resp: 38707

Ion Ratio Lower Upper

131 100

133 94.0 48.3 144.9

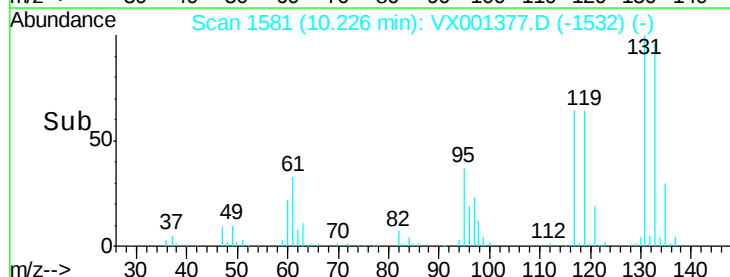
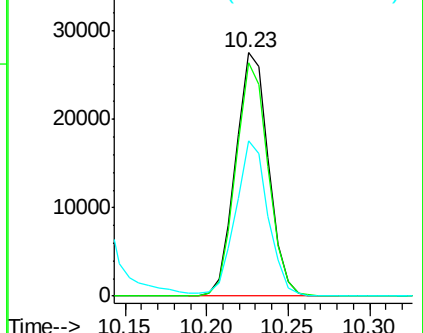
119 63.2 31.2 93.6

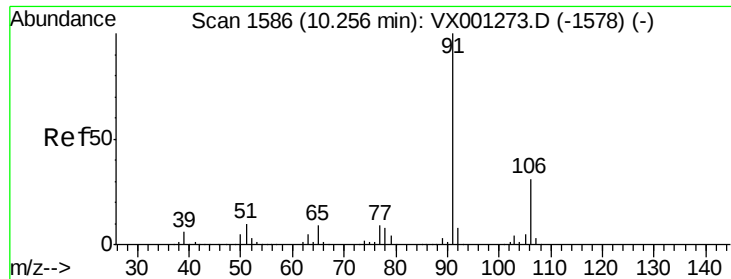


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





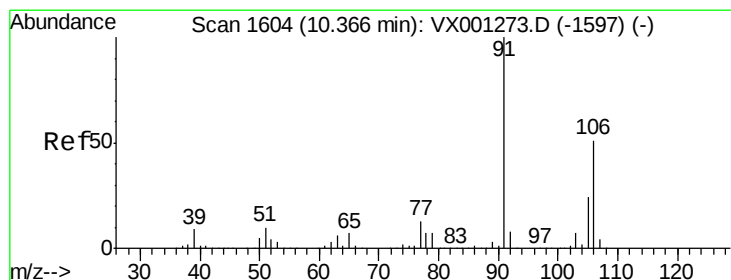
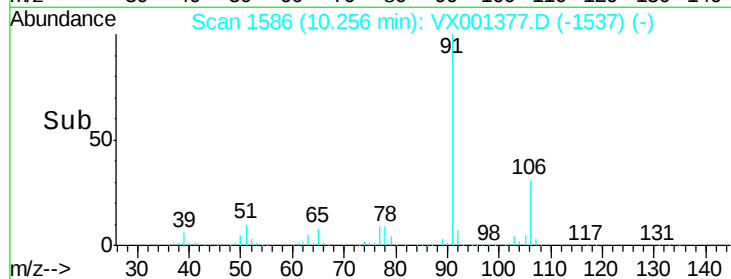
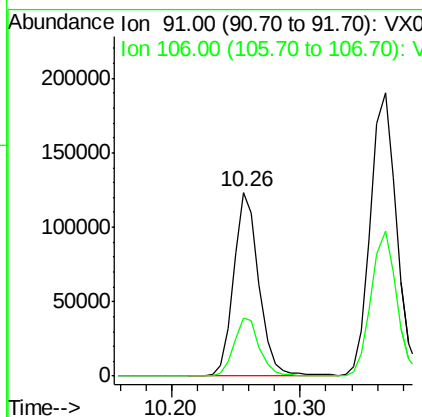
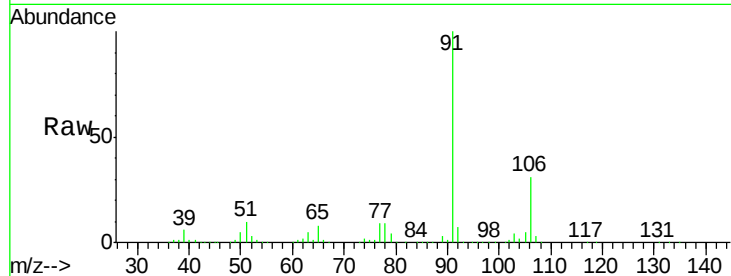
#67
Ethyl Benzene
Concen: 9.32 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Instrument :
MSVOA_X
ClientSampled :
VX0503WBSD01

Tot Ion: 91 Resp: 169172
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3

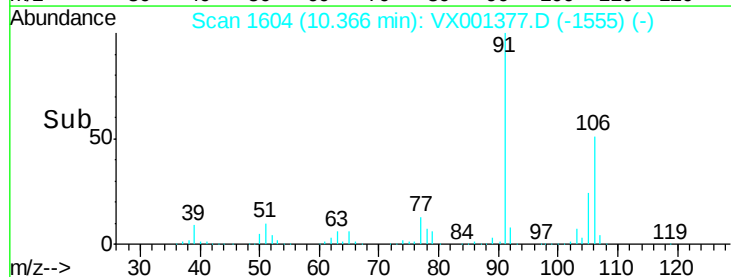
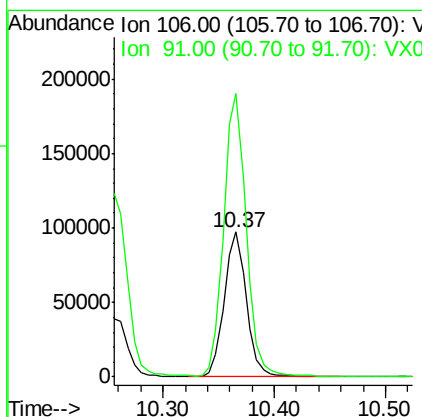
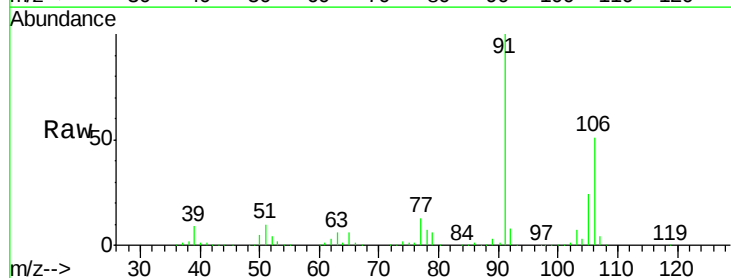
Manual Integrations
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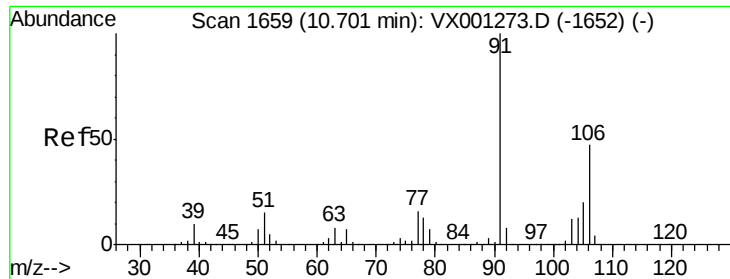
MMDadoda
5/5/2018 11:28:31 PM



#68
m/p-Xylenes
Concen: 18.70 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Tgt Ion: 106 Resp: 133627
Ion Ratio Lower Upper
106 100
91 200.7 159.4 239.2





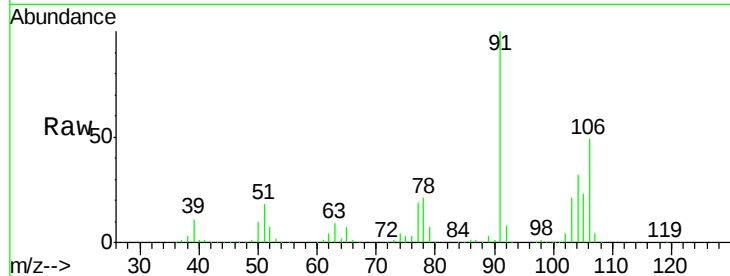
#69
o-Xylene
Concen: 9.45 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Instrument :
MSVOA_X
ClientSampled :
VX0503WBSD01

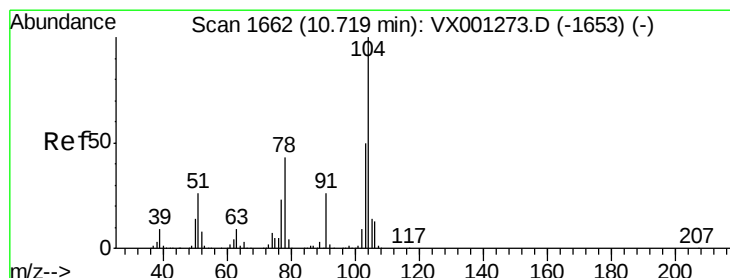
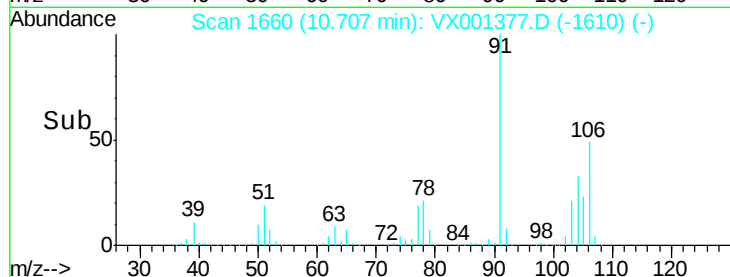
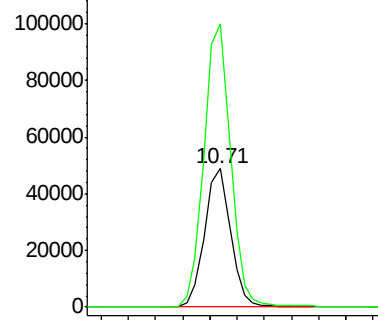
Tot Ion:106 Resp: 65450
Ion Ratio Lower Upper
106 100
91 210.5 106.3 319.0

Manual Integrations
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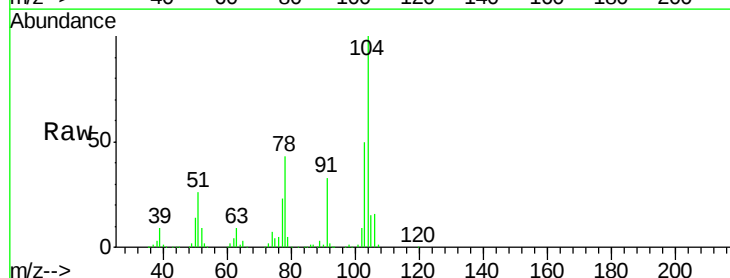


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

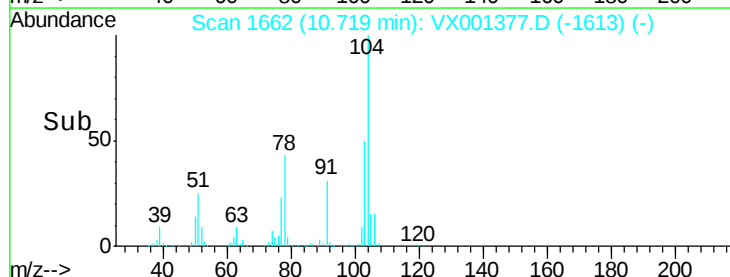
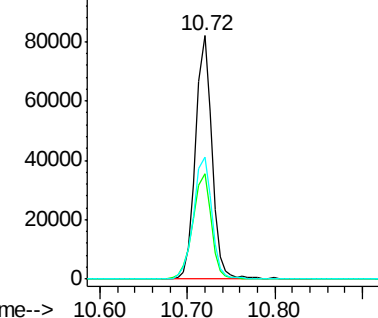


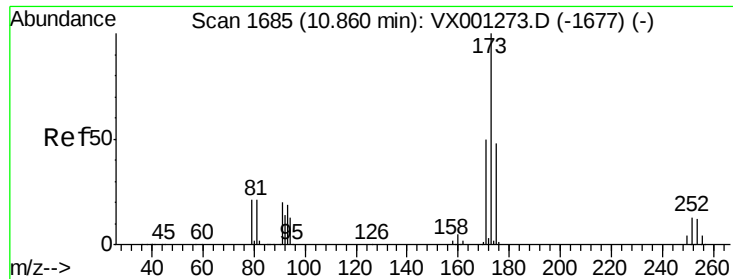
#70
Styrene
Concen: 9.39 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Tgt Ion:104 Resp: 106372
Ion Ratio Lower Upper
104 100
78 49.0 40.1 60.1
103 56.0 44.5 66.7



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





#71

Bromoform

Concen: 11.44 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

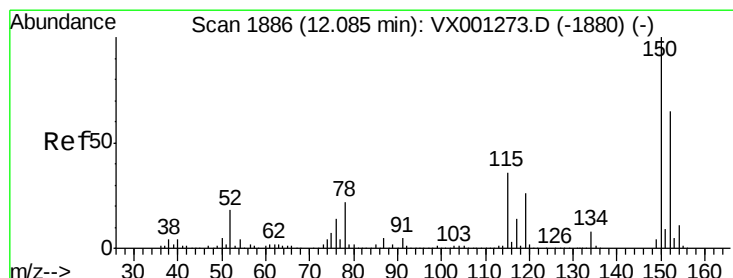
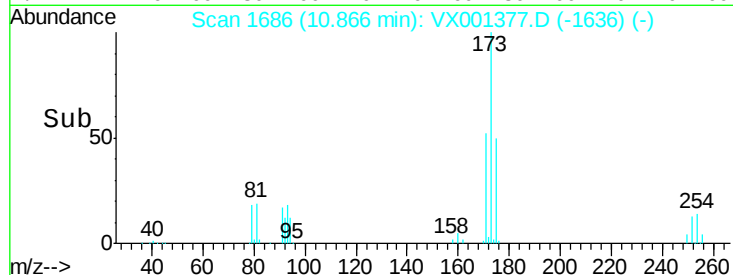
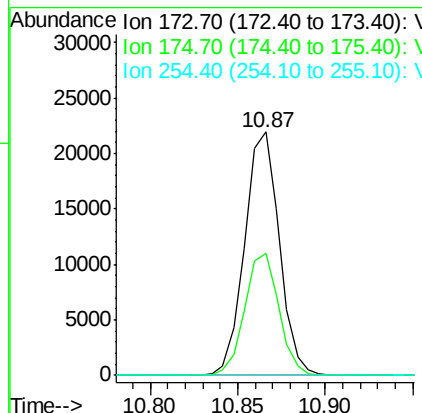
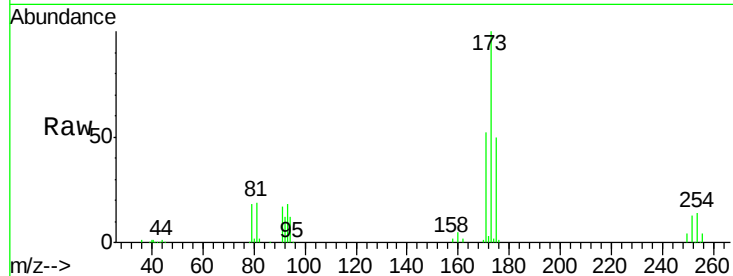
ClientSampleId :

VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	74.0
254	0.1	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

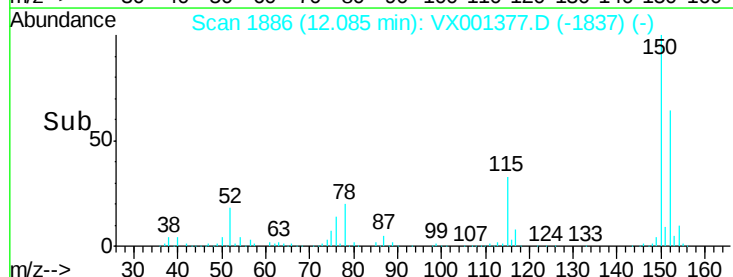
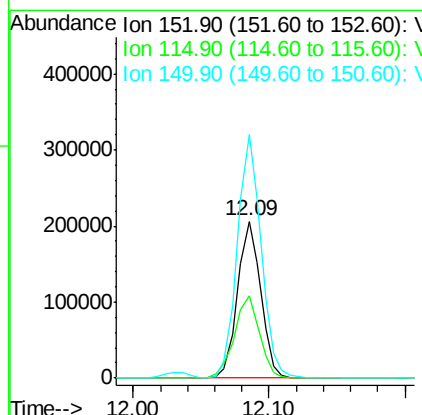
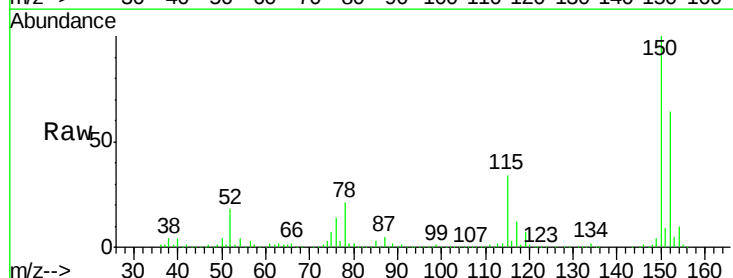
RT: 12.09 min Scan# 1886

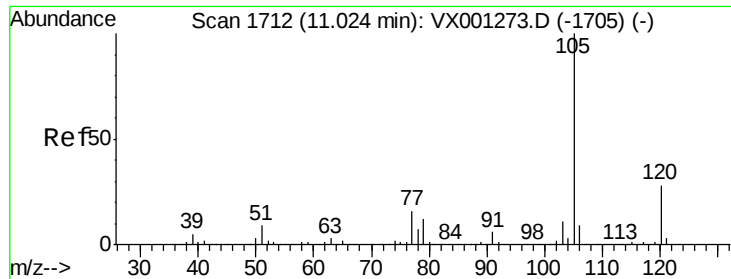
Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	38.6	115.7
150	158.9	0.0	349.2





#73

Isopropylbenzene

Concen: 10.73 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion: 105 Resp: 175883

Ion Ratio Lower Upper

105 100

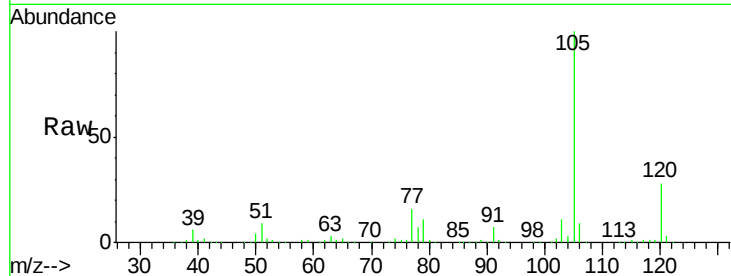
120 27.8 13.7 41.1

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

11.02

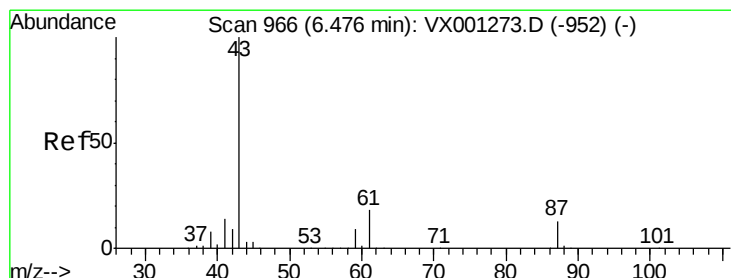
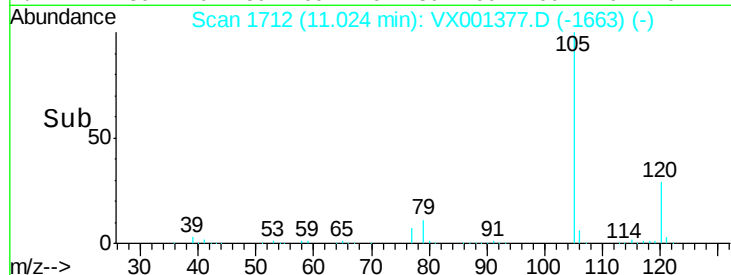
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 11.91 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Tgt Ion: 43 Resp: 83752

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 18.6 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

6.48

50000

40000

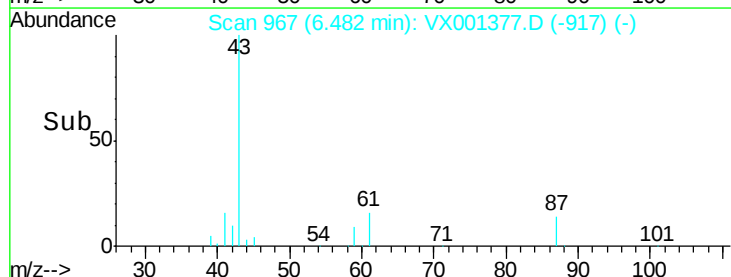
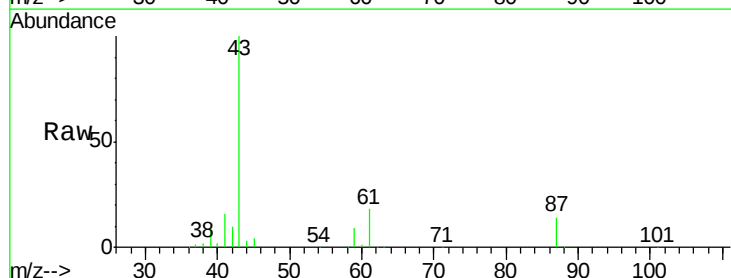
30000

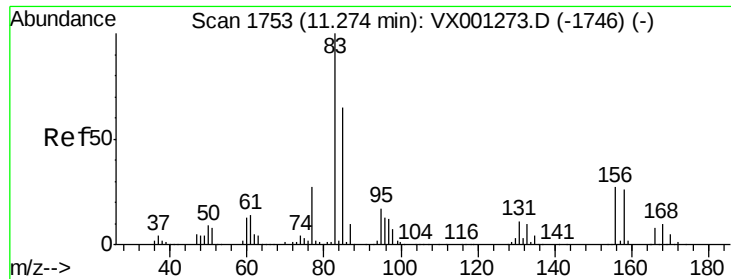
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 11.17 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

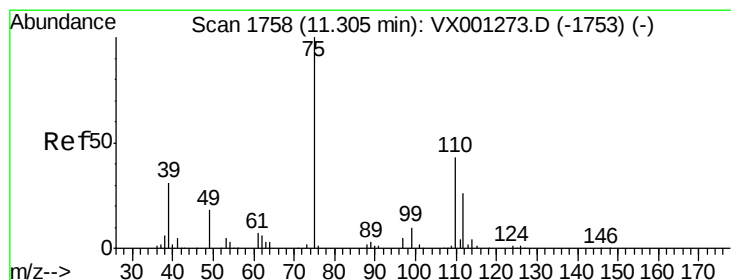
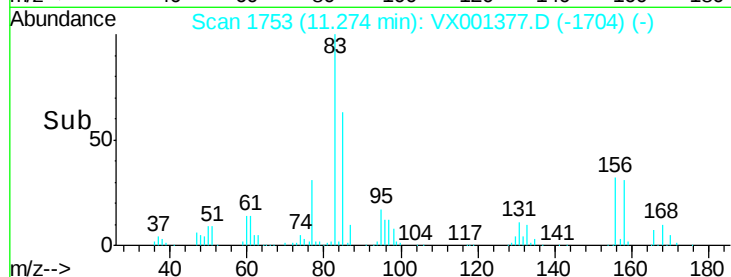
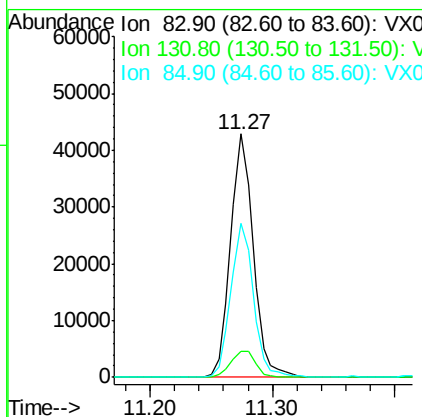
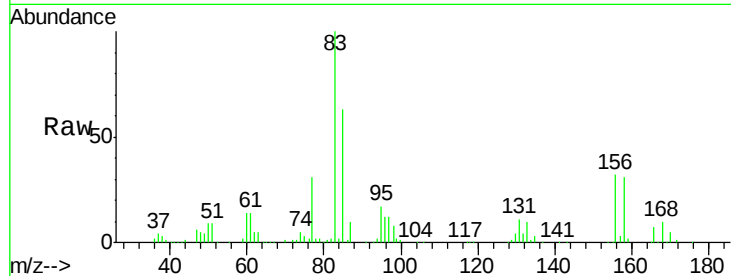
ClientSampleId :

VX0503WBSD01

Tot Ion:	83	Resp:	54818
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.8	17.3
85	63.1	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 11.47 ug/l m

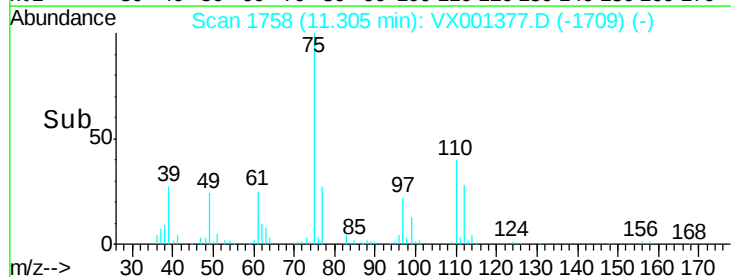
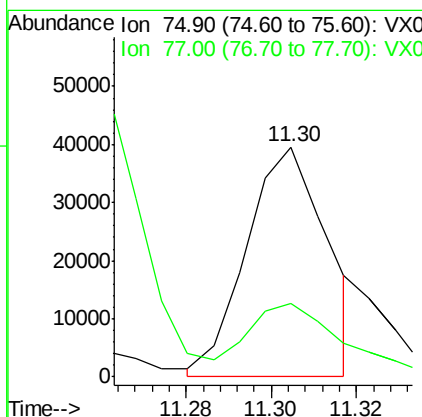
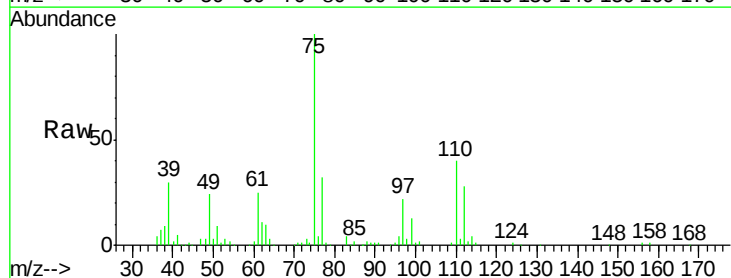
RT: 11.30 min Scan# 1758

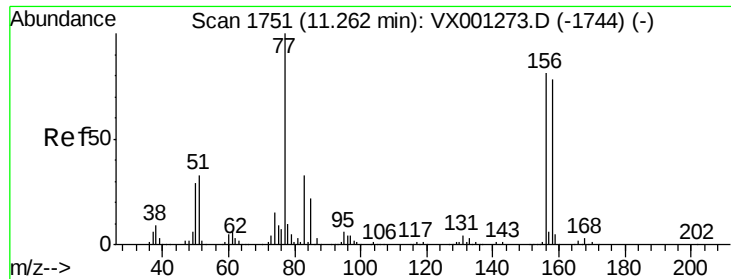
Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Tgt Ion:	75	Resp:	51972
Ion Ratio	Lower	Upper	
75	100		
77	37.5	18.9	56.5





#77

Bromobenzene

Concen: 11.04 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

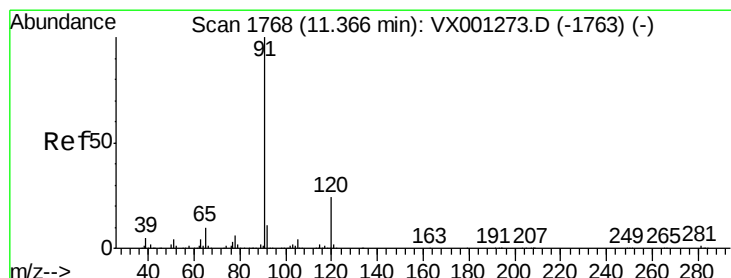
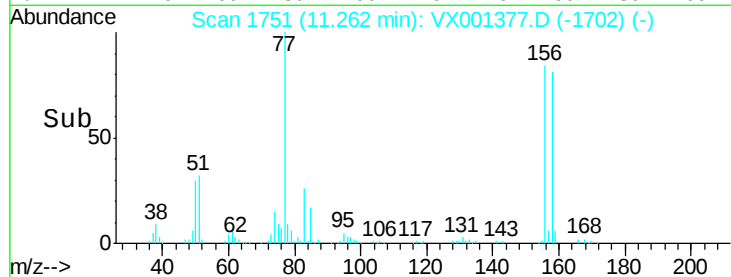
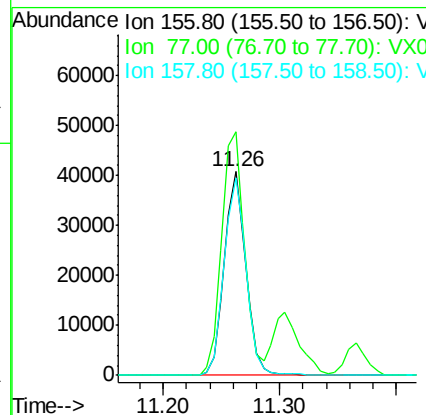
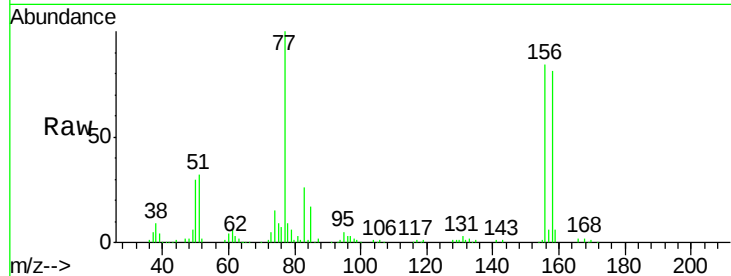
ClientSampleId :

VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	126.2	65.3	195.8
158	99.0	48.5	145.5

Manual Integrations
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#78

n-propylbenzene

Concen: 10.54 ug/l

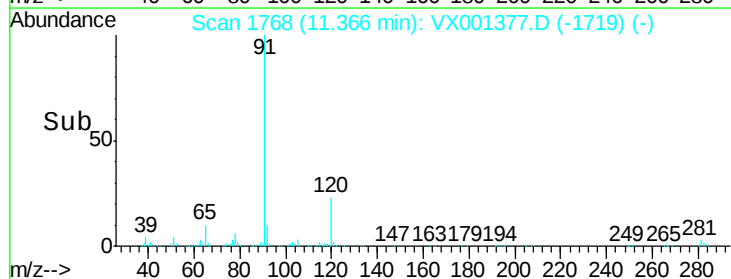
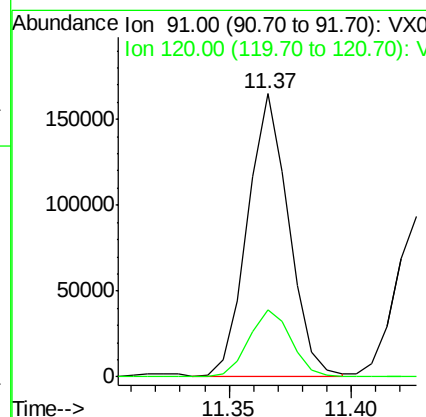
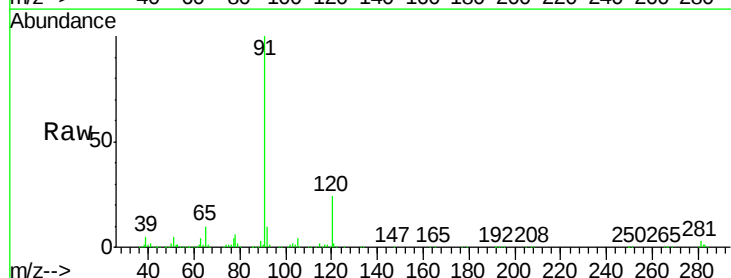
RT: 11.37 min Scan# 1768

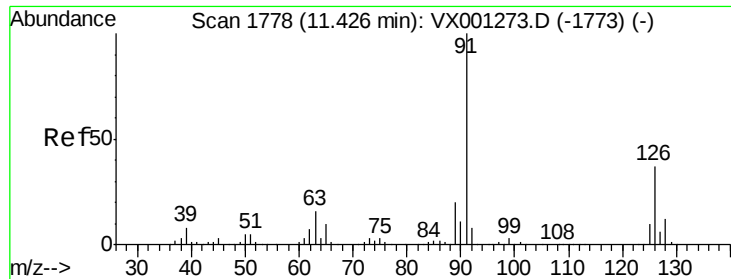
Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.8





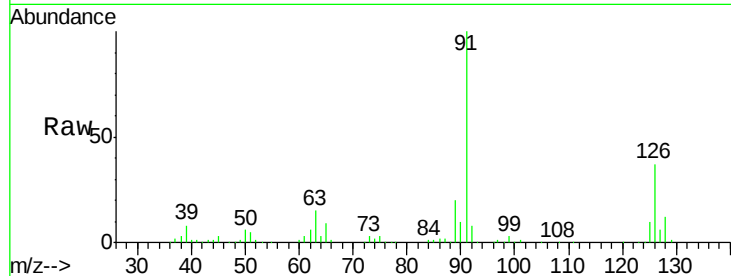
#79
 2-Chlorotoluene
 Concen: 10.74 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX001377.D
 Acq: 03 May 2018 23:21

Instrument :
 MSVOA_X
 ClientSampled :
 VX0503WBSD01

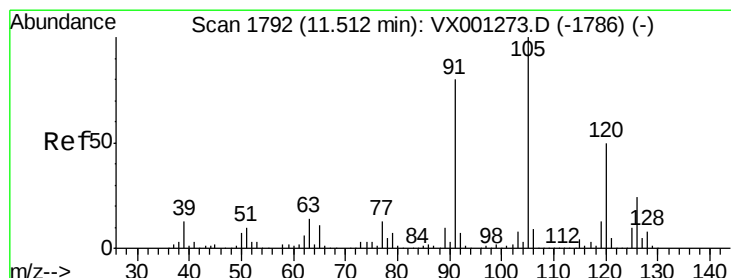
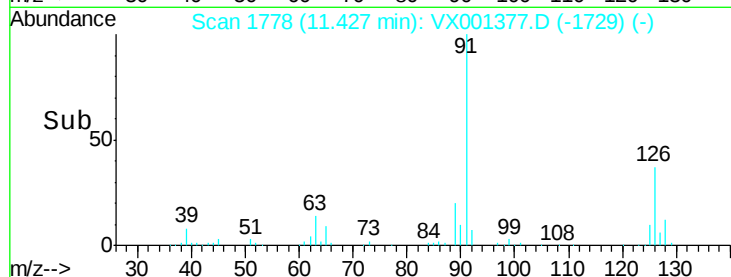
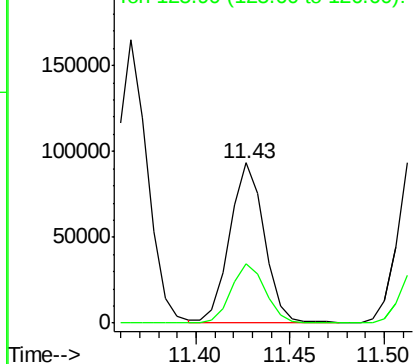
Tot Ion: 91 Resp: 118003
 Ion Ratio Lower Upper
 91 100
 126 37.0 18.4 55.4

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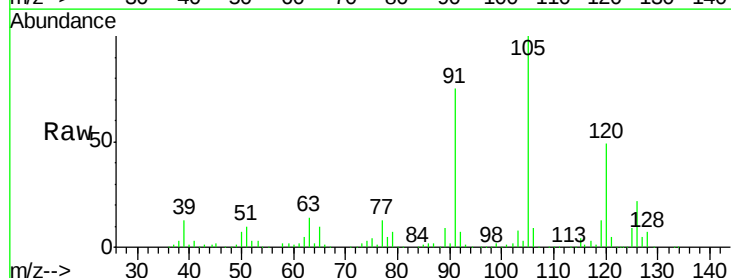


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

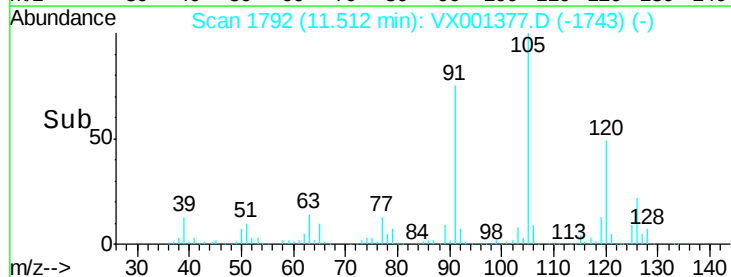
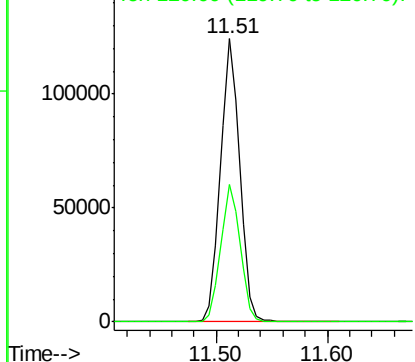


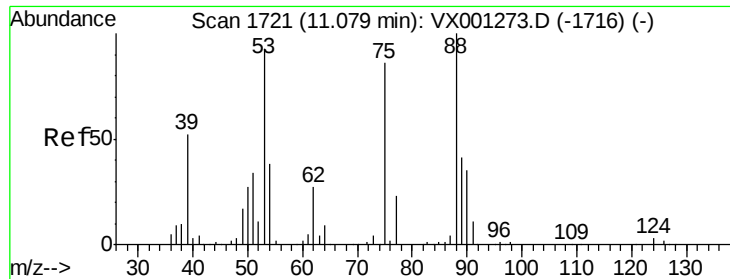
#80
 1,3,5-Trimethylbenzene
 Concen: 10.83 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX001377.D
 Acq: 03 May 2018 23:21

Tgt Ion: 105 Resp: 149076
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.6 74.0



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





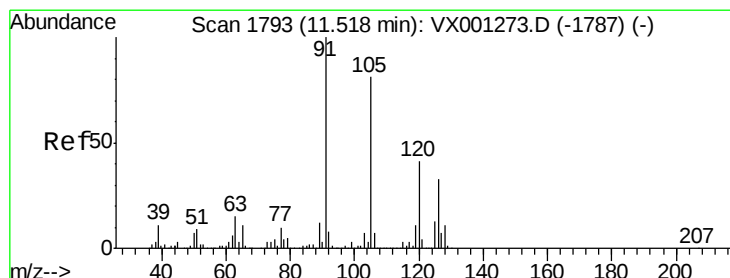
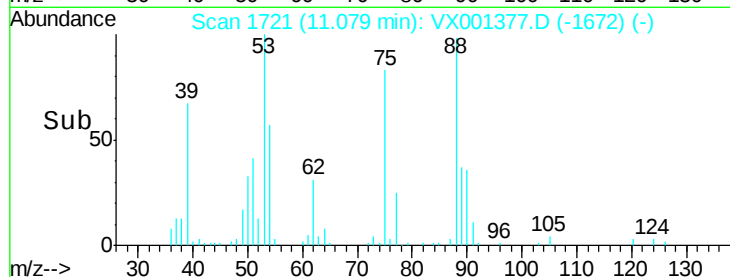
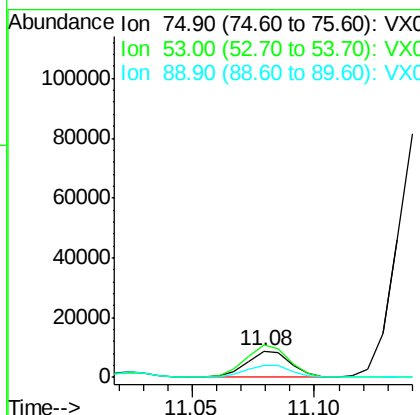
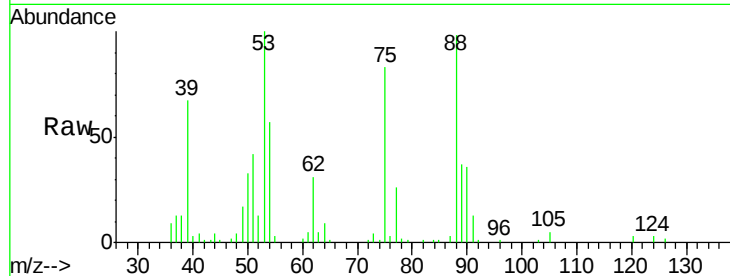
#81
trans-1,4-Dichloro-2-butene
Concen: 11.38 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Instrument :
MSVOA_X
ClientSampled :
VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.8	87.1	130.7
89	48.7	38.9	58.3

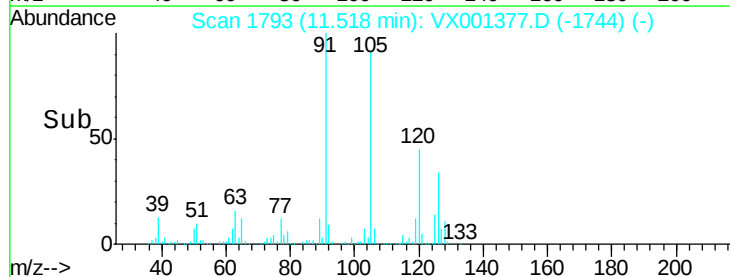
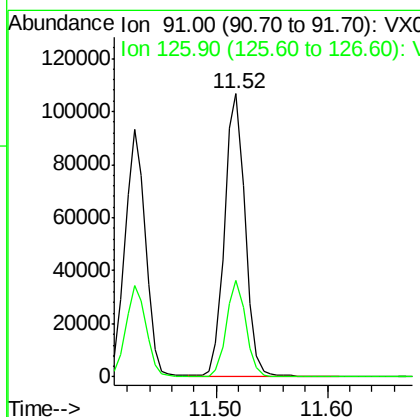
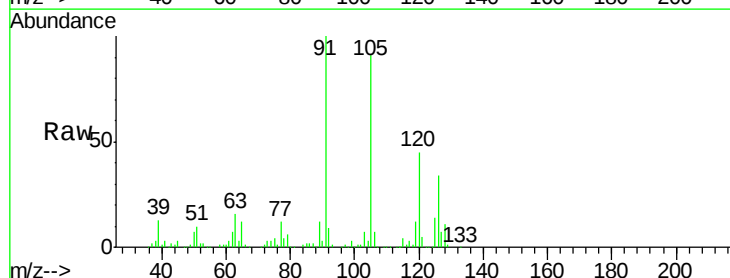
Manual Integrations
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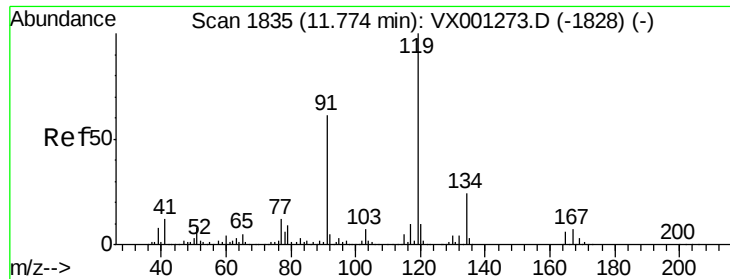
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#82
4-Chlorotoluene
Concen: 10.35 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.2





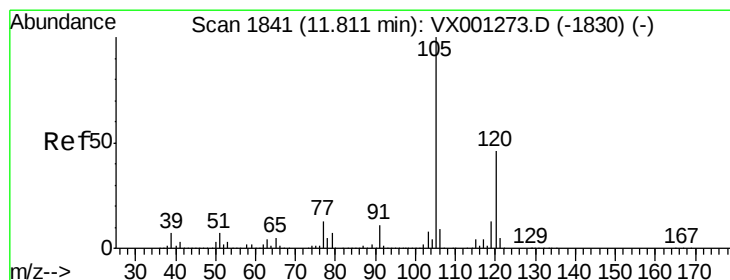
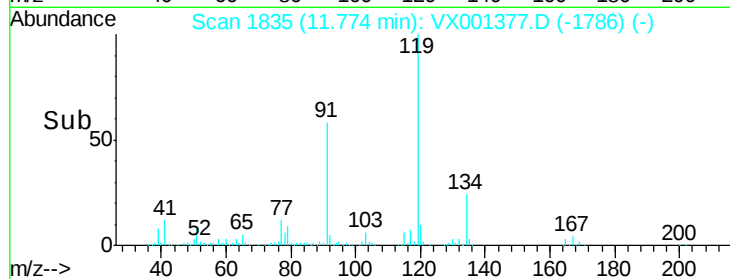
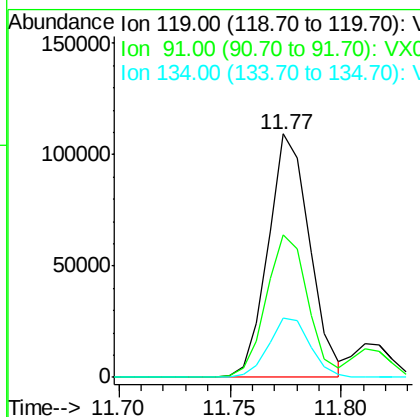
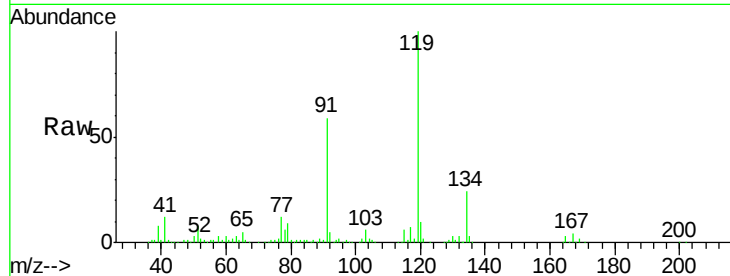
#83
tert-Butylbenzene
Concen: 10.30 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	141327		
91	59.2	28.1	84.3	
134	24.6	11.8	35.3	

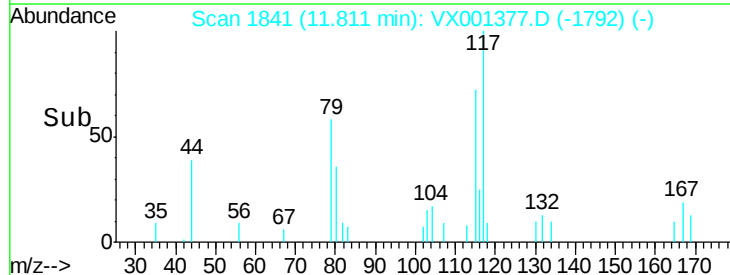
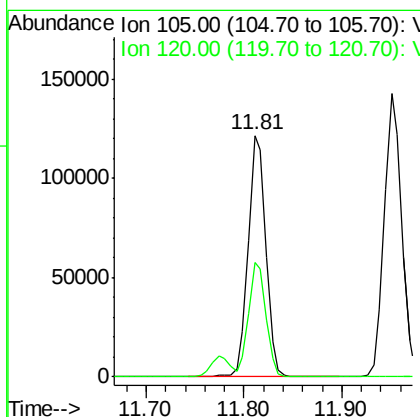
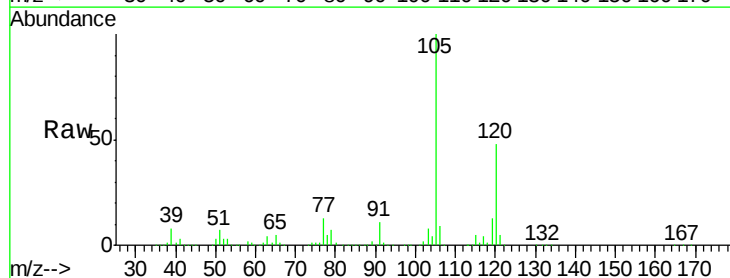
Manual Integrations
APPROVED

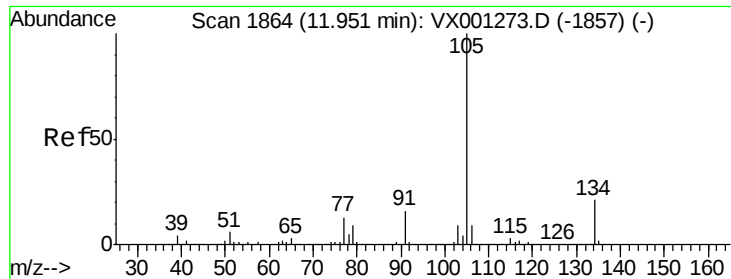
MMDadoda
5/5/2018 11:28:31 PM



#84
1,2,4-Trimethylbenzene
Concen: 10.86 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	153096		
120	46.6	22.7	68.1	





#85

sec-Butylbenzene

Concen: 10.77 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion:105 Resp: 176805

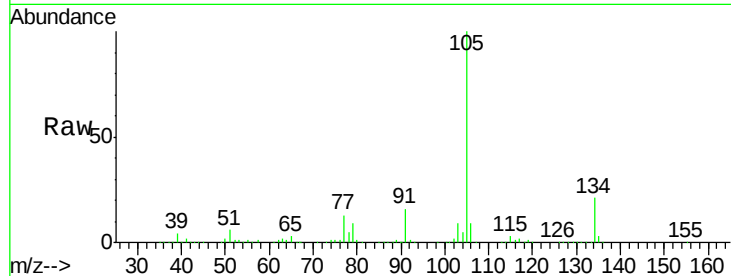
Ion Ratio Lower Upper

105 100

134 21.4 10.7 31.9

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

Ion 134.00 (133.70 to 134.70): V

11.95

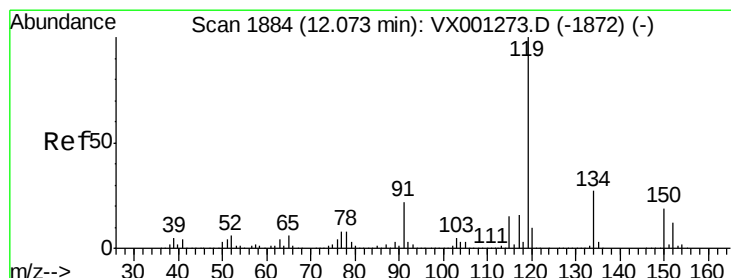
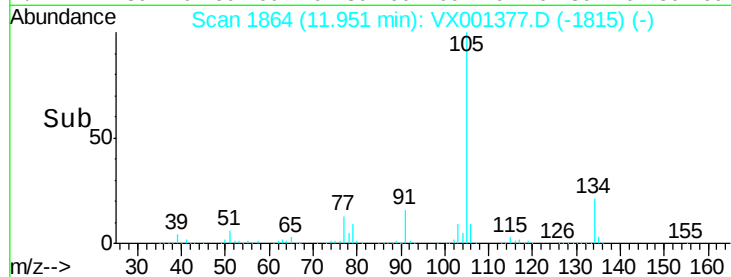
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 10.66 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

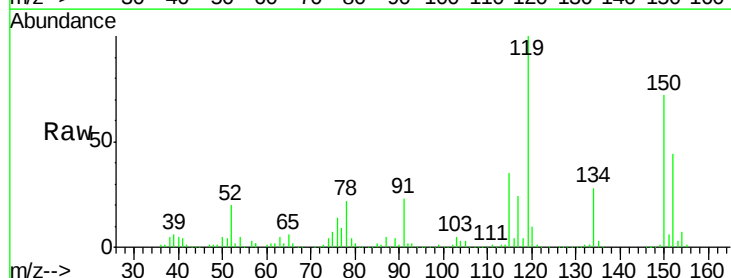
Tgt Ion:119 Resp: 160594

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.7

91 23.0 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

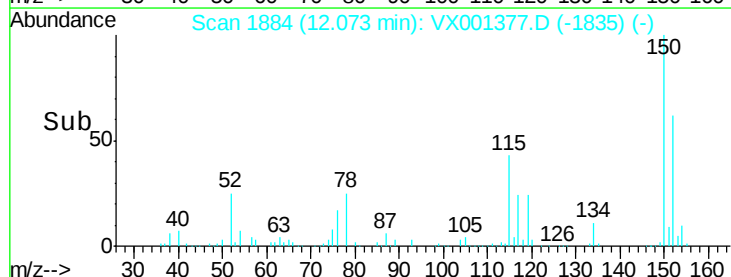
150000

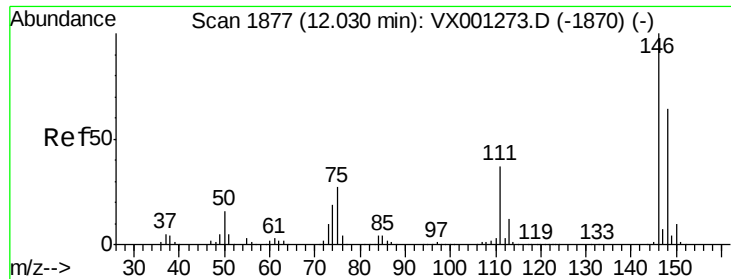
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 10.32 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

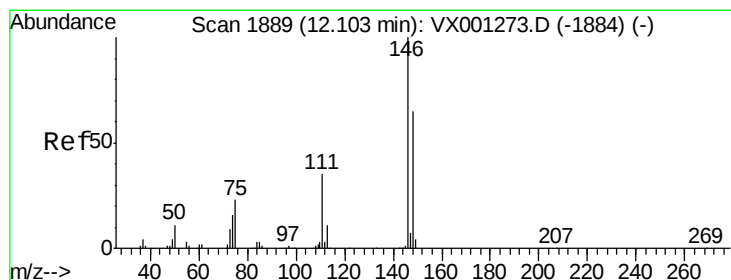
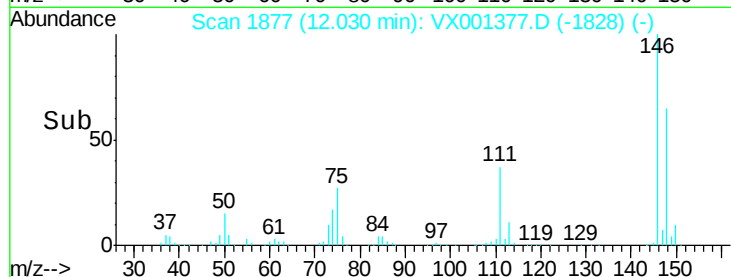
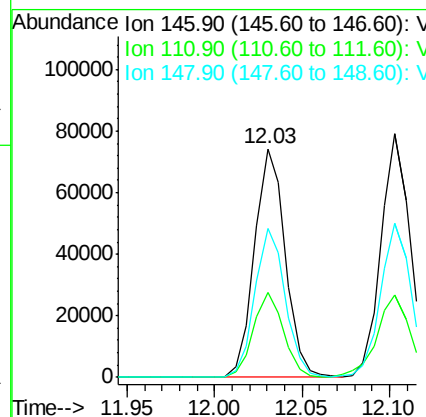
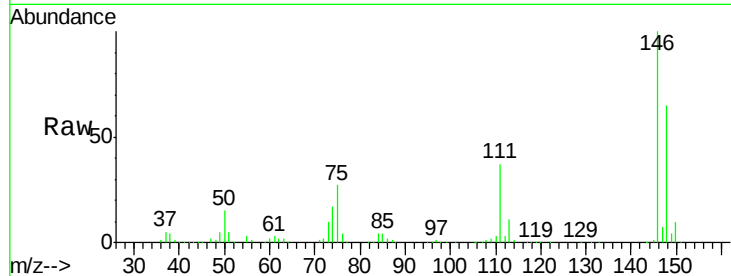
ClientSampled :

VX0503WBSD01

Tot Ion:	146	Resp:	91100
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.4	55.2
148	64.5	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 10.19 ug/l

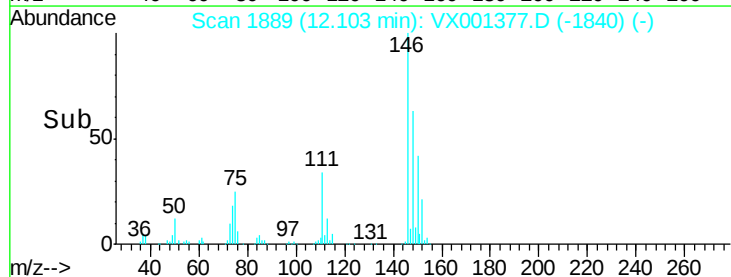
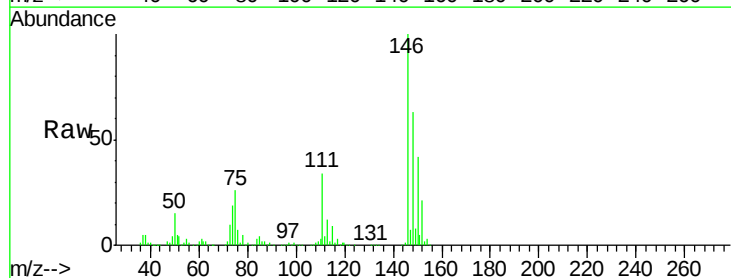
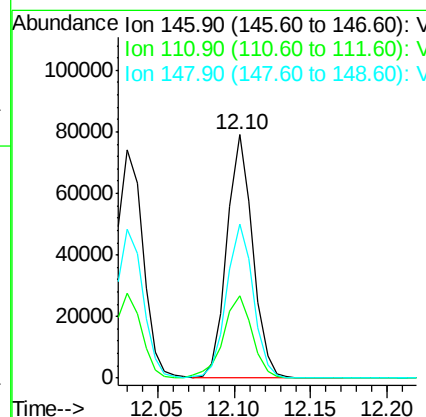
RT: 12.10 min Scan# 1889

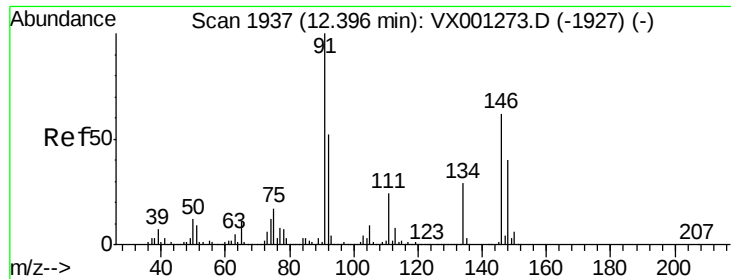
Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Tgt Ion:	146	Resp:	92739
Ion Ratio	Lower	Upper	
146	100		
111	38.0	17.9	53.7
148	65.5	32.3	96.8





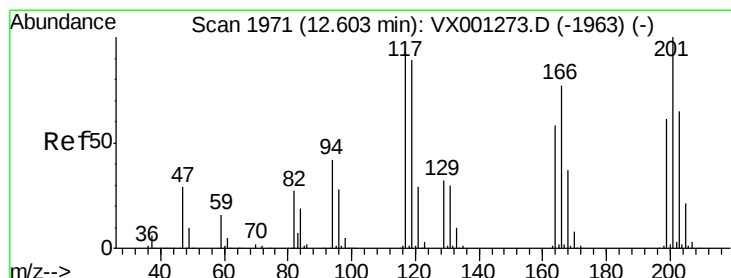
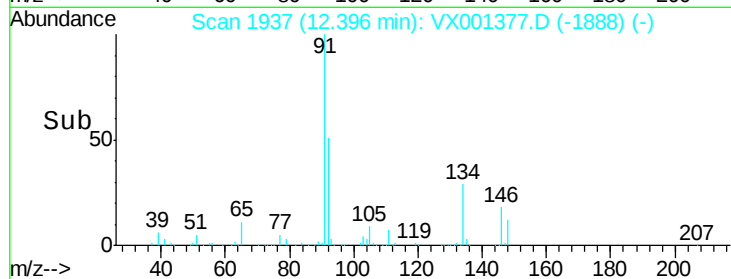
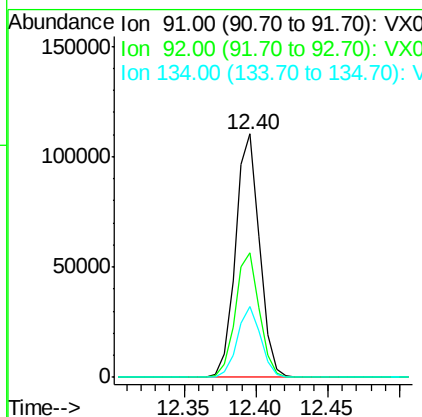
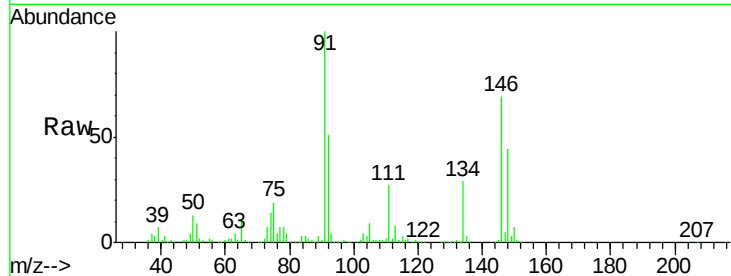
#89
n-Butylbenzene
Concen: 9.79 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.2	78.5
134	28.4	14.0	42.0

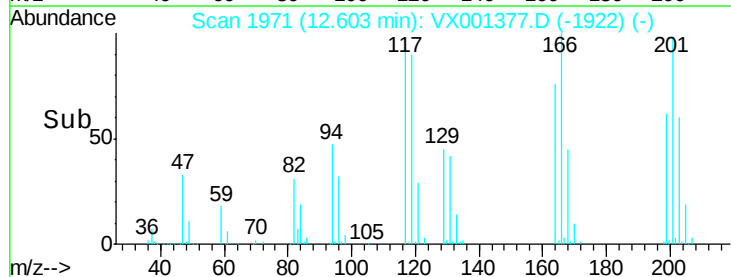
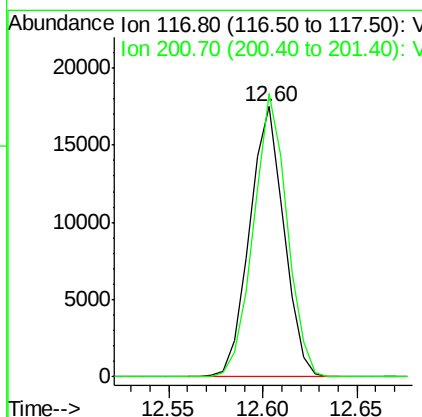
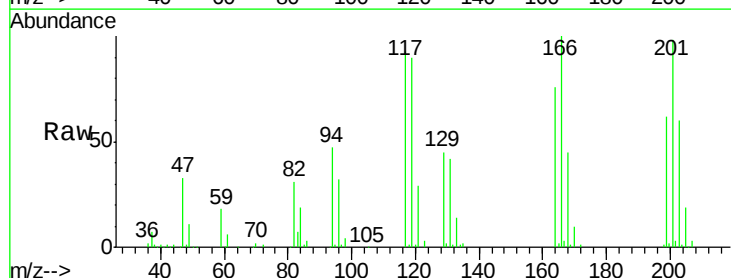
Manual Integrations
APPROVED

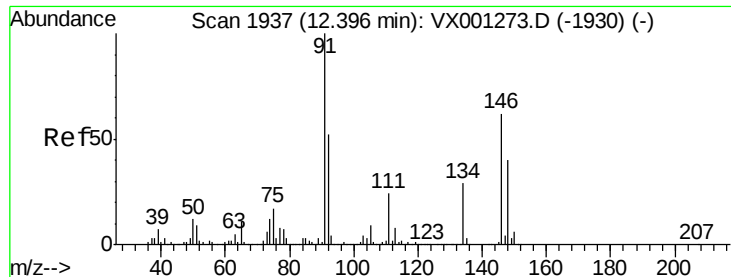
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5/5/2018 11:28:31 PM



#90
Hexachloroethane
Concen: 10.11 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001377.D
Acq: 03 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	102.2	51.6	154.8





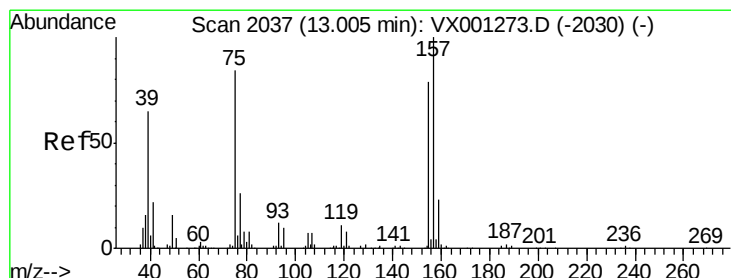
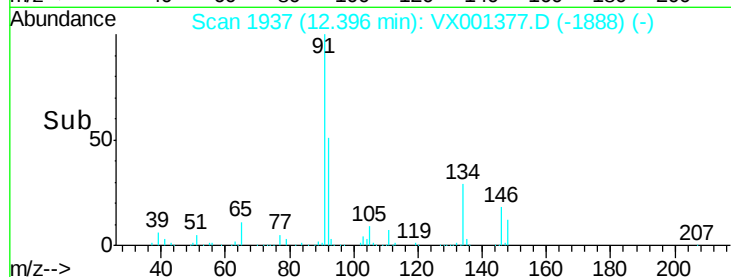
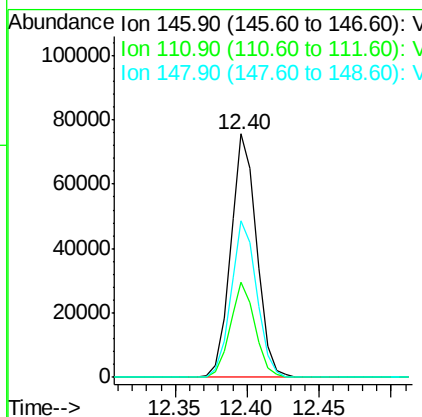
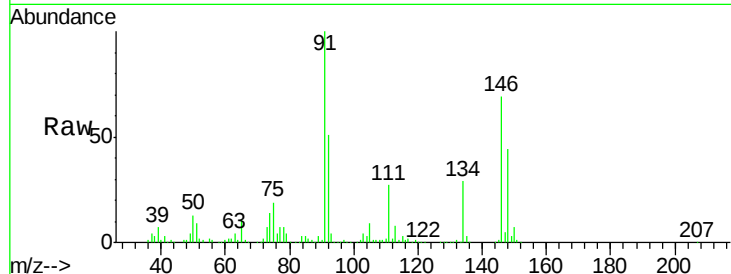
#91
 1,2-Dichlorobenzene
 Concen: 10.80 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001377.D
 Acq: 03 May 2018 23:21

Instrument :
 MSVOA_X
 ClientSampled :
 VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.5
148	64.3	32.4	97.0

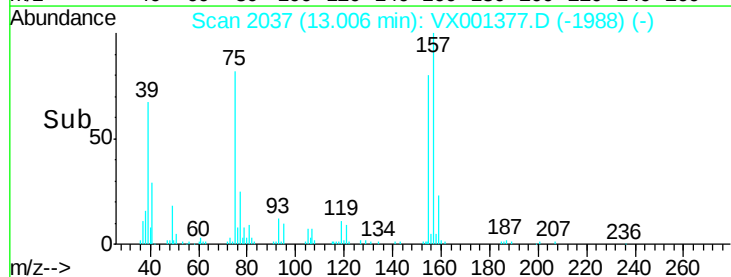
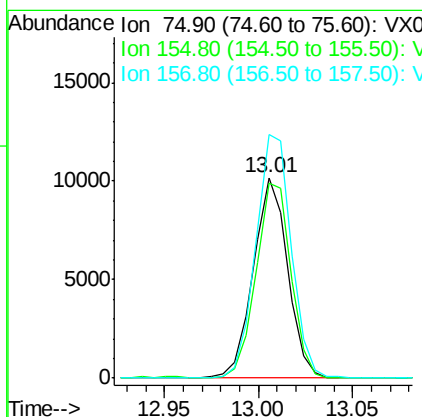
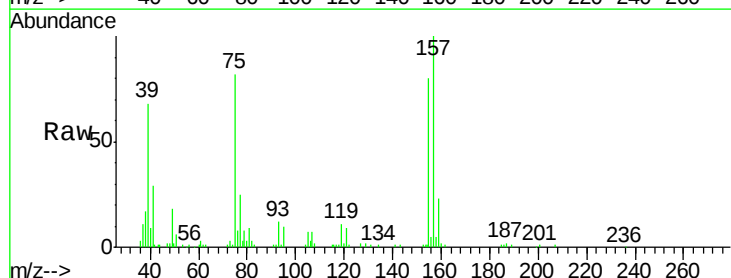
Manual Integrations
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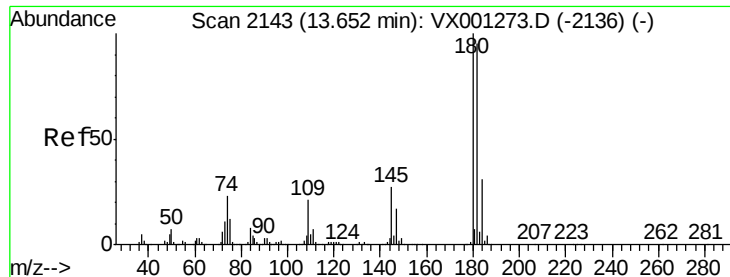
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 12.93 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001377.D
 Acq: 03 May 2018 23:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	49.9	149.7
157	125.6	63.7	191.1





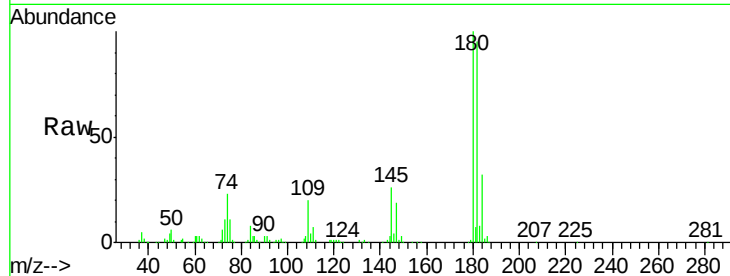
#93
 1,2,4-Trichlorobenzene
 Concen: 9.60 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001377.D
 Acq: 03 May 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD01

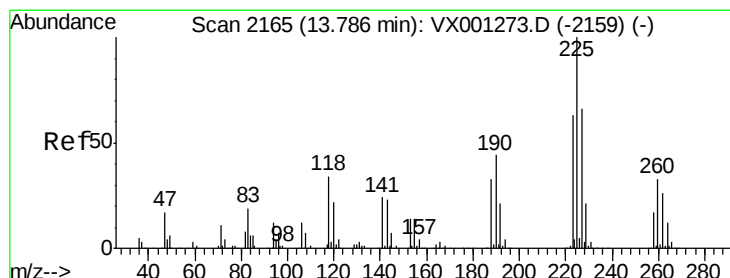
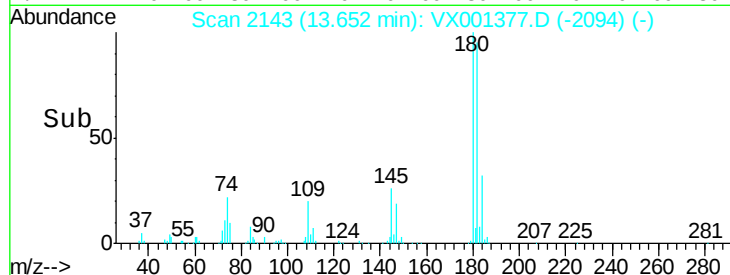
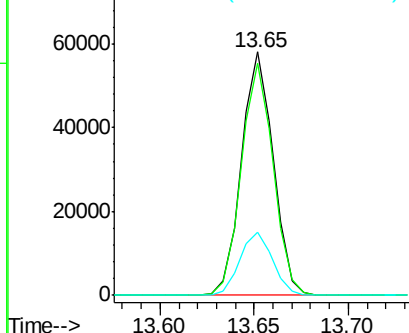
Tot Ion	Ratio	Resp	Lower	Upper
180	100	67806		
182	95.5	47.3	141.9	
145	26.8	13.5	40.4	

Manual Integrations
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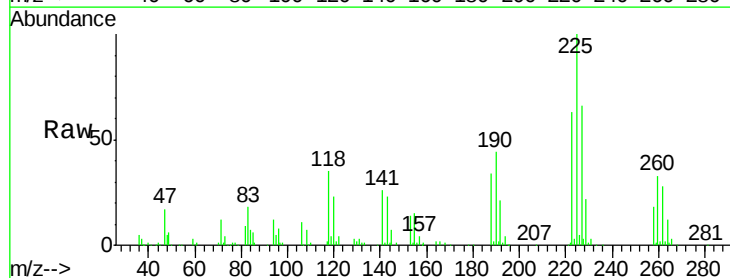


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

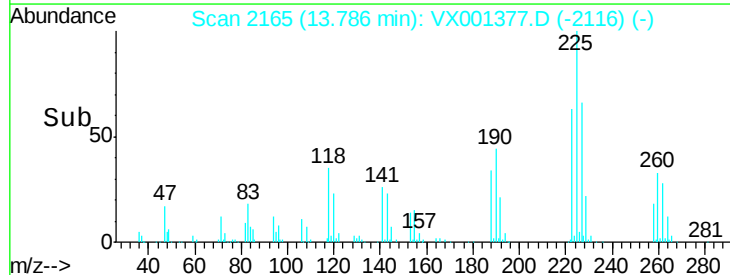
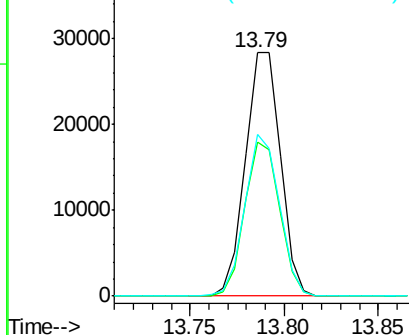


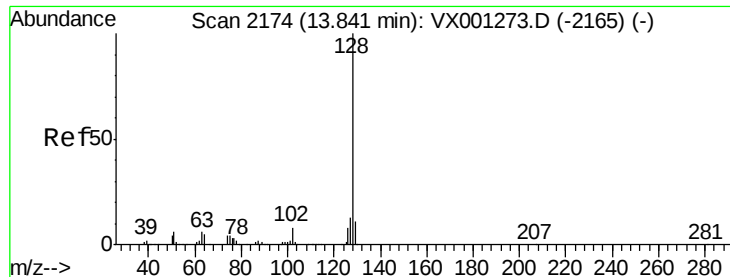
#94
 Hexachlorobutadiene
 Concen: 9.96 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001377.D
 Acq: 03 May 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36823		
223	62.8	31.4	94.0	
227	64.9	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: 11.38 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Instrument :

MSVOA_X

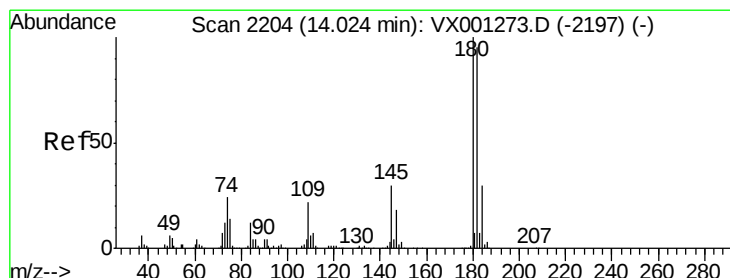
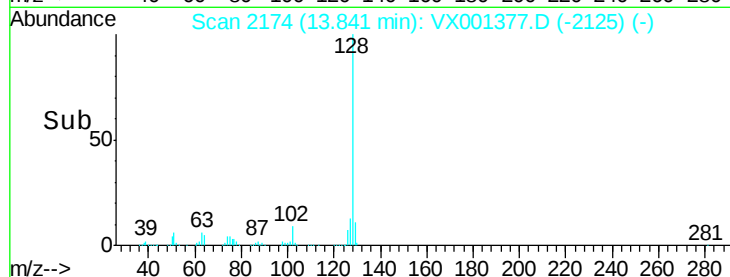
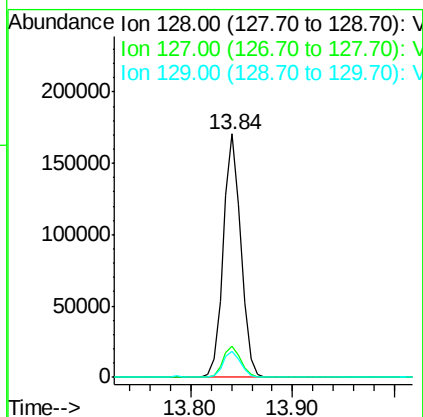
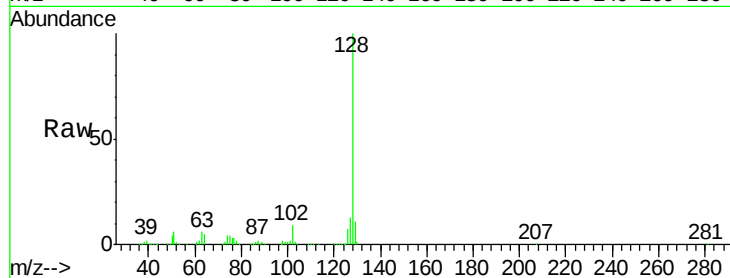
ClientSampleId :

VX0503WBSD01

Tot Ion:	128	Resp:	203930
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	11.0	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 10.34 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001377.D

Acq: 03 May 2018 23:21

Tgt Ion:	180	Resp:	71718
Ion Ratio	Lower	Upper	
180	100		
182	98.1	48.1	144.3
145	28.6	14.4	43.4

