

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050218\
 Data File : VX001320.D
 Acq On : 02 May 2018 16:40
 Operator : JC/MD
 Sample : VX0502WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/3/2018 12:21:19 PM

Quant Time: May 03 05:31:30 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	170903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	227019	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	212281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	142608	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	113695	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
35) Dibromofluoromethane	5.51	113	95992	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
50) Toluene-d8	8.72	98	356751	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	11.14	95	129622	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	40677	21.52	ug/l	98
3) Chloromethane	1.32	50	38009	20.48	ug/l	99
4) Vinyl Chloride	1.40	62	41968	21.48	ug/l	99
5) Bromomethane	1.64	94	32587	21.46	ug/l	100
6) Chloroethane	1.72	64	27671	22.40	ug/l	100
7) Trichlorofluoromethane	1.93	101	74011	22.44	ug/l	100
8) Diethyl Ether	2.19	74	25297	22.34	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	40879	21.50	ug/l	98
10) Methyl Iodide	2.51	142	55072	28.61	ug/l	99
11) Tert butyl alcohol	3.09	59	53615	131.73	ug/l	99
12) 1,1-Dichloroethene	2.37	96	36834	21.49	ug/l	99
13) Acrolein	2.30	56	17183	73.32	ug/l	95
14) Allyl chloride	2.73	41	66630	22.21	ug/l	99
15) Acrylonitrile	3.15	53	113532	120.35	ug/l	99
16) Acetone	2.45	43	119632	118.47	ug/l	100
17) Carbon Disulfide	2.57	76	82954	18.57	ug/l	100
18) Methyl Acetate	2.79	43	61733	25.88	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	131042	22.44	ug/l	100
20) Methylene Chloride	2.86	84	41649	21.96	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	39798	21.33	ug/l	98
22) Diisopropyl ether	3.89	45	127940	22.15	ug/l	95
23) Vinyl Acetate	3.84	43	567108	115.85	ug/l	100
24) 1,1-Dichloroethane	3.70	63	73105	22.72	ug/l	99
25) 2-Butanone	4.73	43	153077	112.11	ug/l	97
26) 2,2-Dichloropropane	4.59	77	50880	19.43	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	41079	20.03	ug/l	97
28) Bromochloromethane	5.03	49	31608	21.85	ug/l	99
29) Tetrahydrofuran	5.18	42	95316	113.51	ug/l	99
30) Chloroform	5.22	83	70564	20.75	ug/l	99
31) Cyclohexane	5.57	56	55049	18.94	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	61141	20.57	ug/l	99
36) 1,1-Dichloropropene	5.81	75	49441	18.87	ug/l	99
37) Ethyl Acetate	4.88	43	55639	21.03	ug/l	98
38) Carbon Tetrachloride	5.79	117	53106	19.35	ug/l	97

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MMDadoda
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Quant Time: May 03 05:31:30 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)
39) Methylcyclohexane	7.47	83	57222	18.47	ug/l	98
40) Benzene	6.15	78	150199	19.93	ug/l	97
41) Methacrylonitrile	5.08	41	31706	20.58	ug/l	99
42) 1,2-Dichloroethane	6.21	62	58691	20.11	ug/l	99
43) Isopropyl Acetate	6.48	43	88532	20.67	ug/l	99
44) Trichloroethene	7.22	130	45506	19.72	ug/l	93
45) 1,2-Dichloropropane	7.52	63	38207	19.74	ug/l	100
46) Dibromomethane	7.67	93	27698	20.41	ug/l	99
47) Bromodichloromethane	7.91	83	49070	20.23	ug/l	98
48) Methyl methacrylate	7.79	41	46490	20.42	ug/l	98
49) 1,4-Dioxane	7.77	88	20484	476.72	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	310001	112.26	ug/l	99
52) Toluene	8.79	92	100051	20.31	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	55936	19.39	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	50277	18.94	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	40987	20.59	ug/l	97
56) Ethyl methacrylate	9.19	69	57603	20.89	ug/l	98
57) 1,3-Dichloropropane	9.38	76	66358	20.73	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	125653	94.44	ug/l	100
59) 2-Hexanone	9.51	43	237523	110.05	ug/l	100
60) Dibromochloromethane	9.59	129	41099	19.80	ug/l	99
61) 1,2-Dibromoethane	9.68	107	43200	20.48	ug/l	100
64) Tetrachloroethene	9.34	164	56467	22.45	ug/l	97
65) Chlorobenzene	10.15	112	115778	20.05	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	41355	20.64	ug/l	98
67) Ethyl Benzene	10.26	91	187260	19.68	ug/l	98
68) m/p-Xylenes	10.37	106	150505	40.20	ug/l	100
69) o-Xylene	10.71	106	73556	20.26	ug/l	97
70) Styrene	10.72	104	118990	20.04	ug/l	99
71) Bromoform	10.87	173	32719	19.50	ug/l #	99
73) Isopropylbenzene	11.02	105	195963	20.54	ug/l	100
74) N-amyl acetate	6.48	43	88532	21.63	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	59839	20.94	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	57586m	21.84	ug/l	
77) Bromobenzene	11.26	156	57601	20.93	ug/l	98
78) n-propylbenzene	11.37	91	217044	20.47	ug/l	99
79) 2-Chlorotoluene	11.43	91	131025	20.48	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	166477	20.78	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	12935	18.88	ug/l	88
82) 4-Chlorotoluene	11.52	91	153479	19.95	ug/l	99
83) tert-Butylbenzene	11.77	119	164237	20.56	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	171992	20.95	ug/l	99
85) sec-Butylbenzene	11.95	105	199383	20.86	ug/l	100
86) p-Isopropyltoluene	12.07	119	180769	20.62	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	101181	19.69	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	103059	19.46	ug/l	99
89) n-Butylbenzene	12.40	91	148503	19.40	ug/l	99
90) Hexachloroethane	12.60	117	24466	19.27	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	103196	20.18	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	12354	21.39	ug/l	92

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ClientSampleId :
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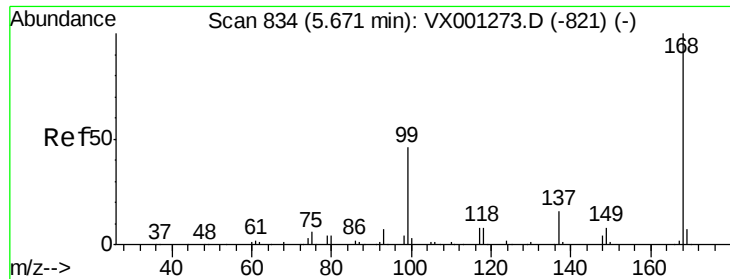
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	76316	18.55	ug/l	99
94) Hexachlorobutadiene	13.79	225	41563	19.31	ug/l	99
95) Naphthalene	13.84	128	215805	20.68	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	79676	19.73	ug/l	100

(#) = 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: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

ClientSampled :

VX0502WBSD01

Tot Ion:168 Resp: 170903

Ion Ratio Lower Upper

168 100

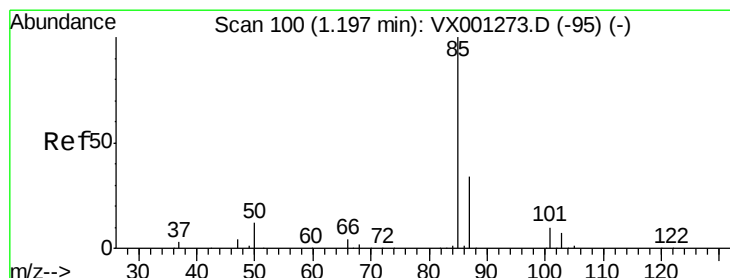
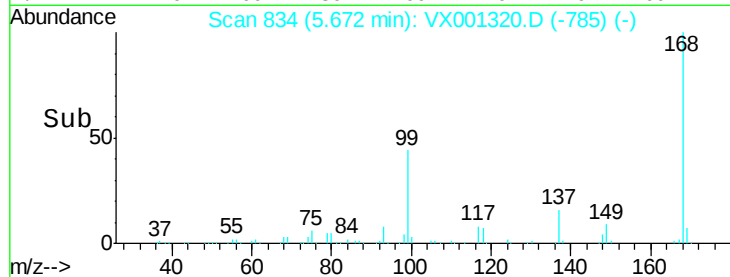
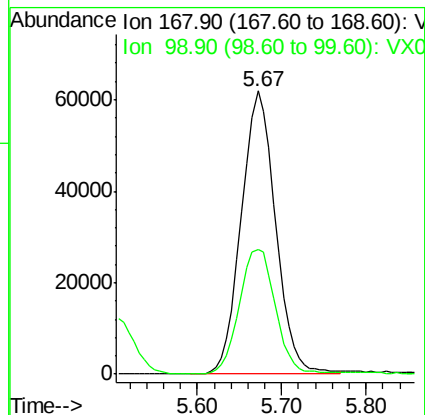
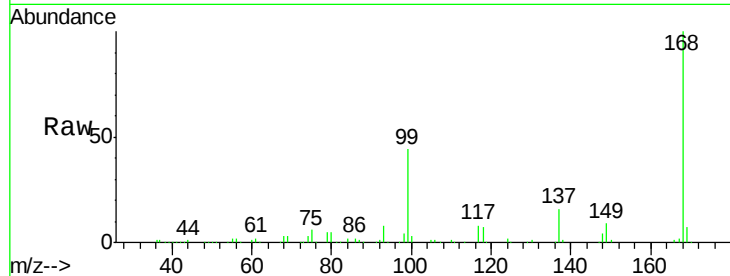
99 44.2 36.5 54.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 21.52 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001320.D

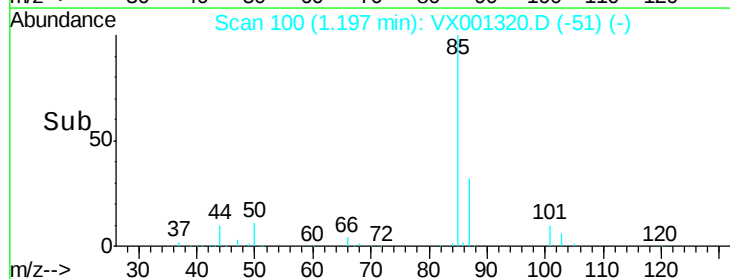
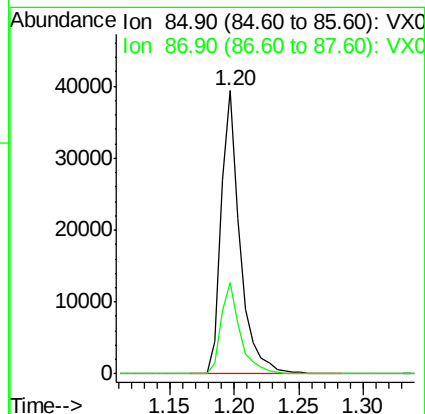
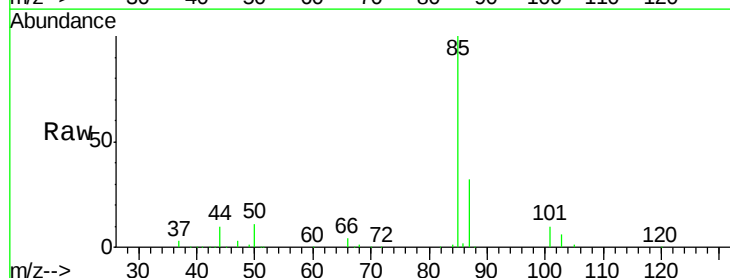
Acq: 02 May 2018 16:40

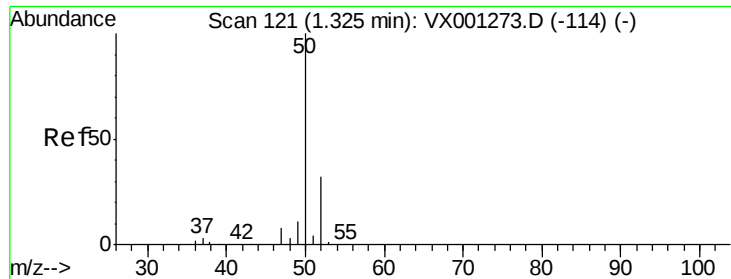
Tgt Ion: 85 Resp: 40677

Ion Ratio Lower Upper

85 100

87 32.2 16.8 50.4





#3

Chloromethane

Concen: 20.48 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion: 50 Resp: 38009

Ion Ratio Lower Upper

50 100

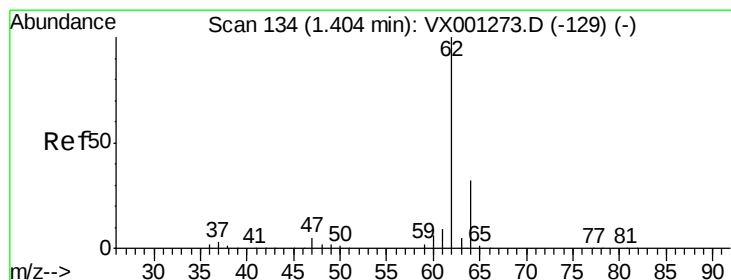
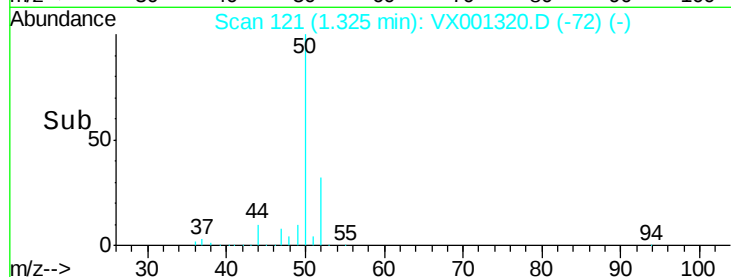
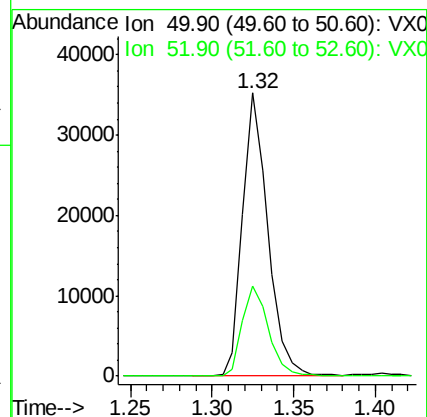
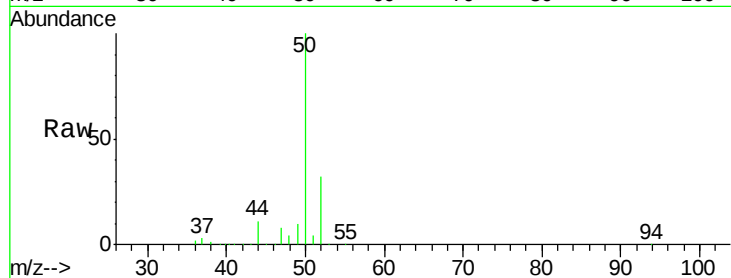
52 31.7 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.48 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001320.D

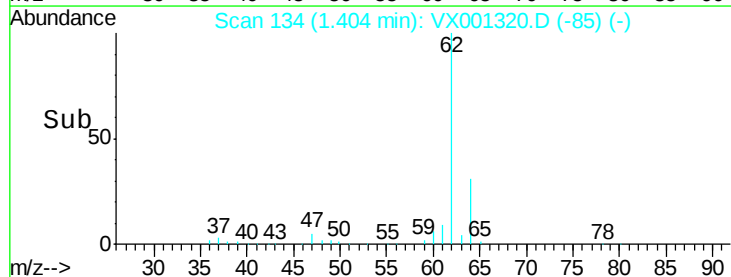
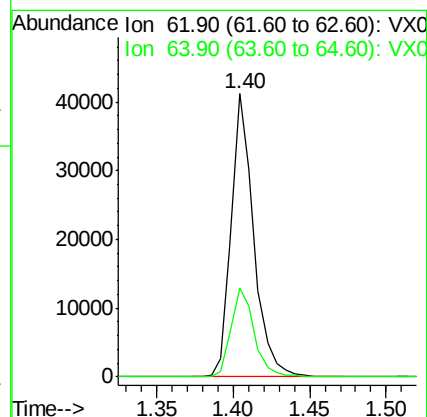
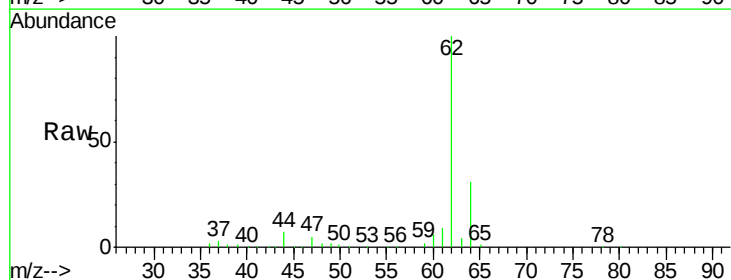
Acq: 02 May 2018 16:40

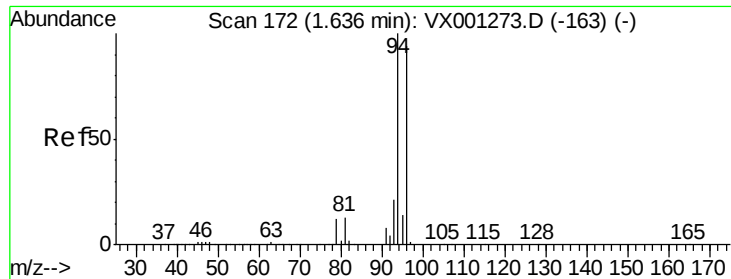
Tgt Ion: 62 Resp: 41968

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.2





#5

Bromomethane

Concen: 21.46 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion: 94 Resp: 32587

Ion Ratio Lower Upper

94 100

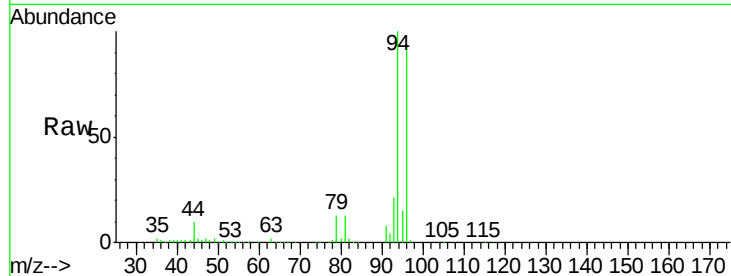
96 94.4 75.6 113.4

Manual Integrations

APPROVED

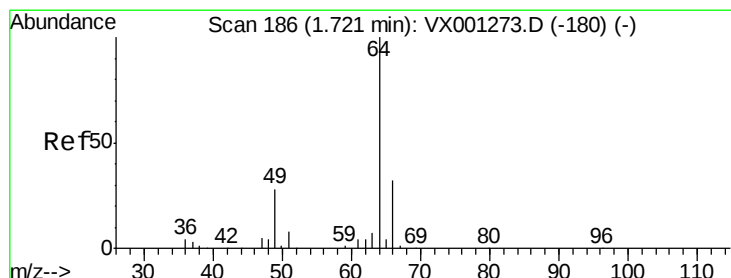
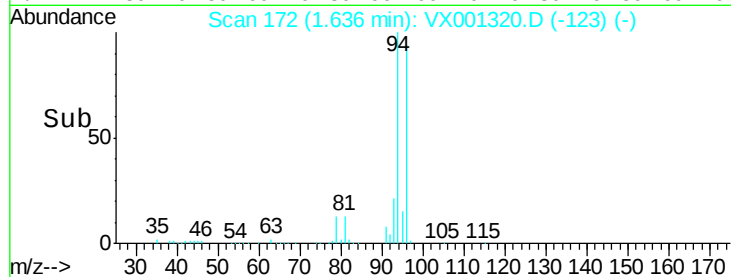
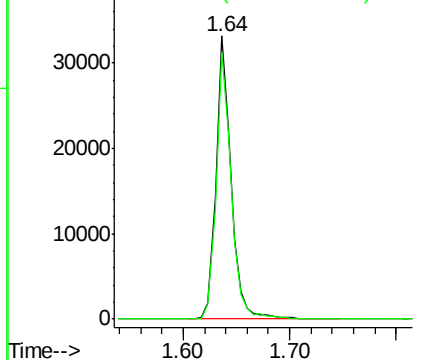
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 22.40 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001320.D

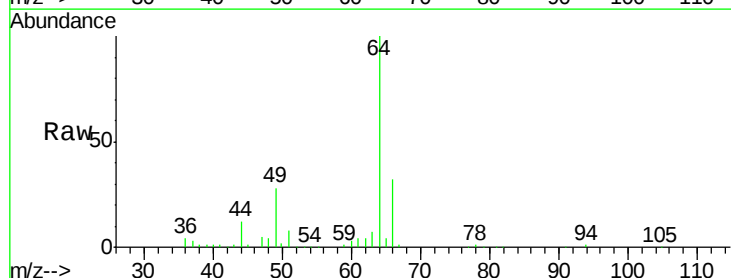
Acq: 02 May 2018 16:40

Tgt Ion: 64 Resp: 27671

Ion Ratio Lower Upper

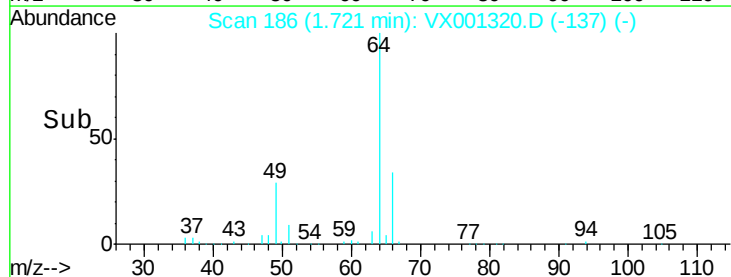
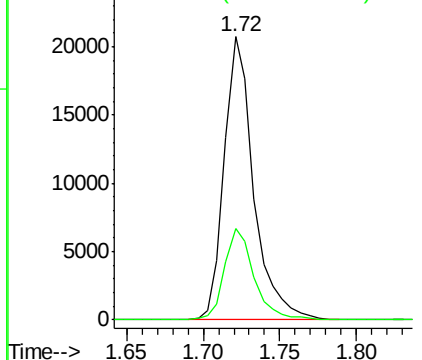
64 100

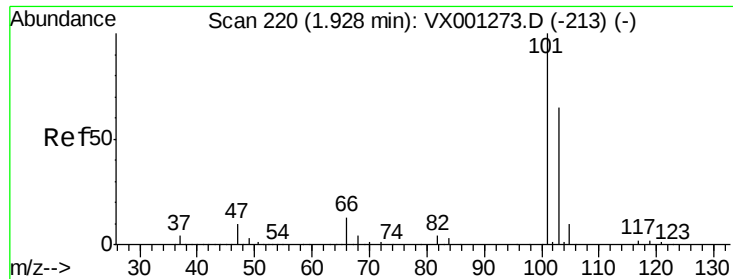
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 22.44 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion:101 Resp: 74011

Ion Ratio Lower Upper

101 100

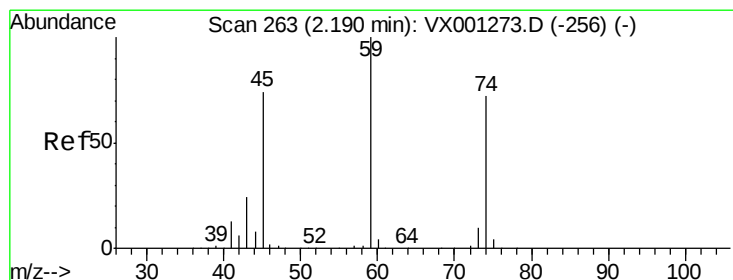
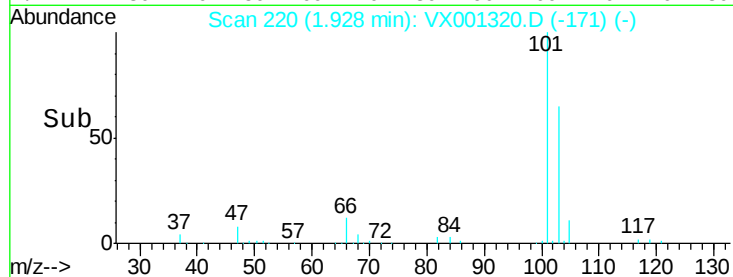
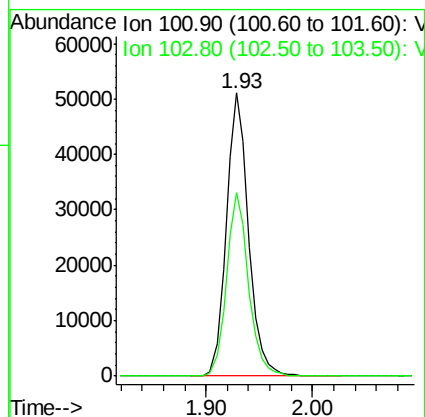
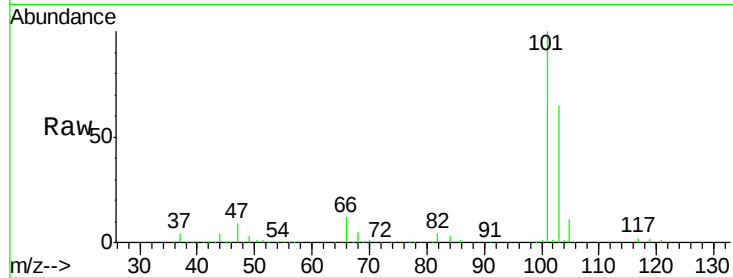
103 64.8 51.8 77.8

Manual Integrations

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#8

Diethyl Ether

Concen: 22.34 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001320.D

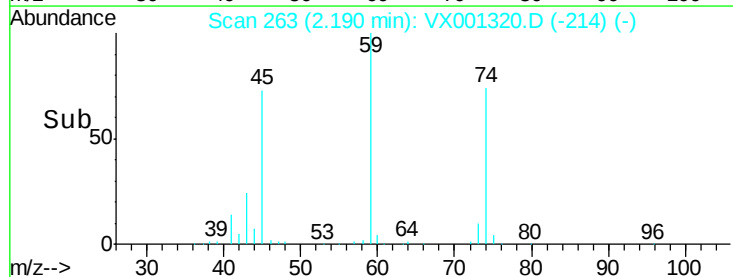
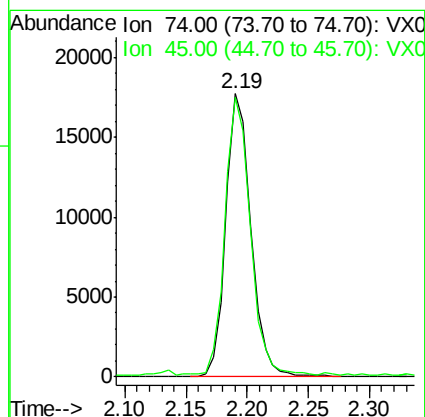
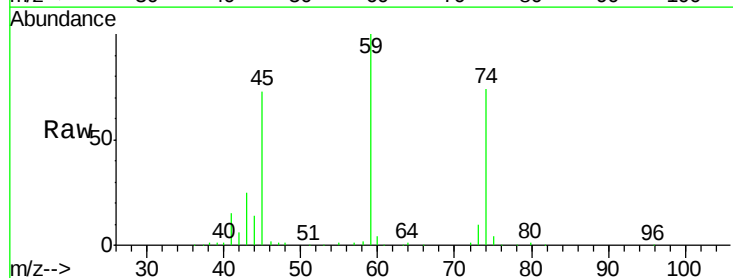
Acq: 02 May 2018 16:40

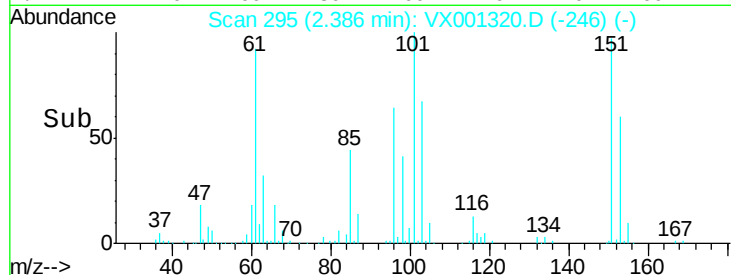
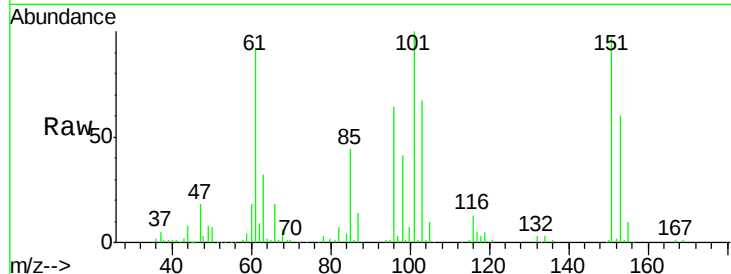
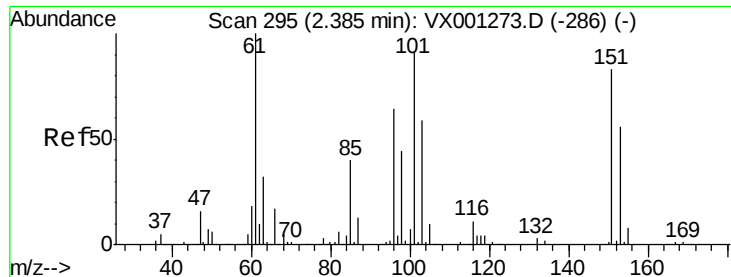
Tgt Ion: 74 Resp: 25297

Ion Ratio Lower Upper

74 100

45 98.6 49.3 147.9





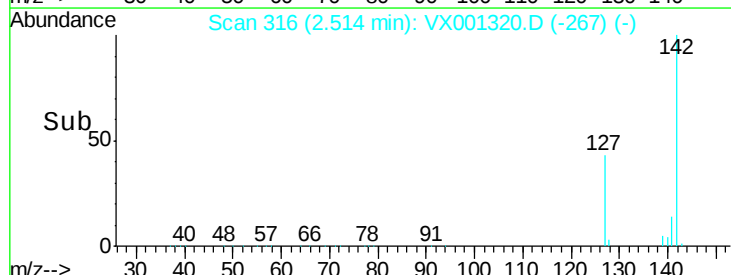
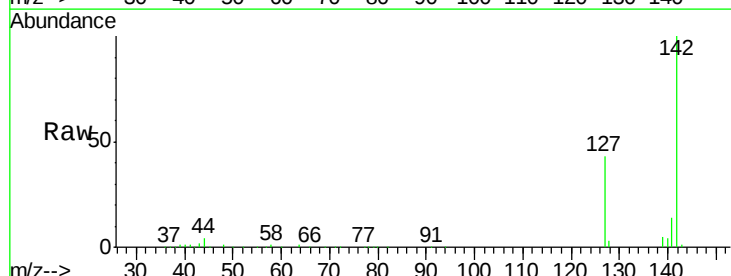
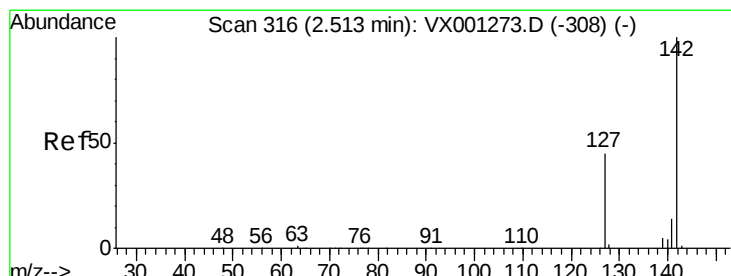
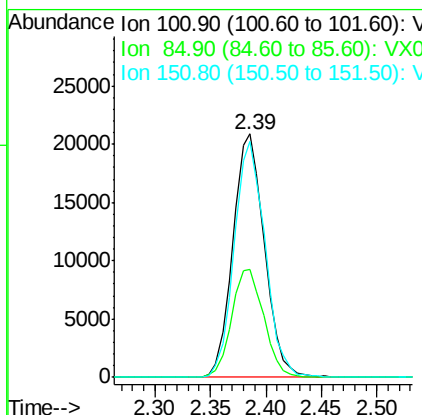
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.50 ug/l
RT: 2.39 min Scan# 295
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion:101 Resp: 40879
Ion Ratio Lower Upper
101 100
85 45.4 35.6 53.4
151 95.3 74.8 112.2

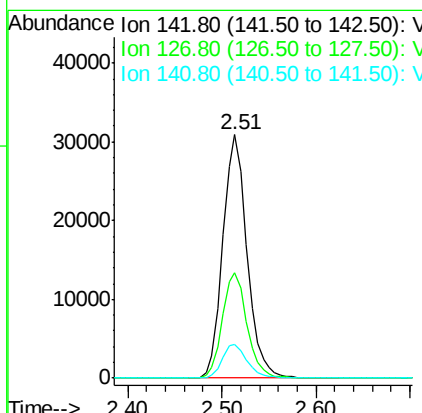
Manual Integrations
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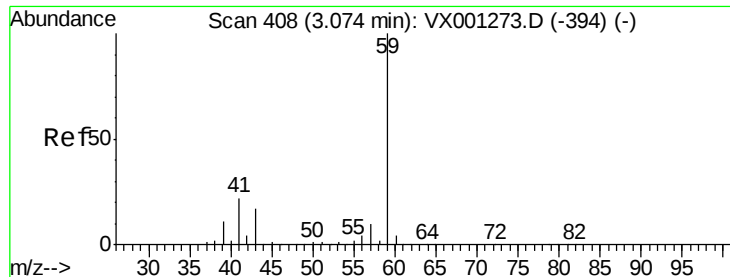
MMDadoda
5/3/2018 12:21:19 PM



#10
Methyl Iodide
Concen: 28.61 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion:142 Resp: 55072
Ion Ratio Lower Upper
142 100
127 44.1 35.7 53.5
141 14.4 11.4 17.0





#11

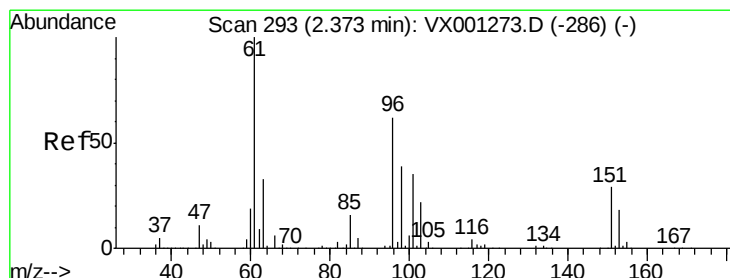
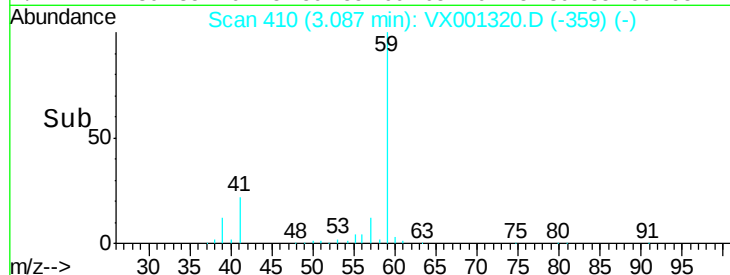
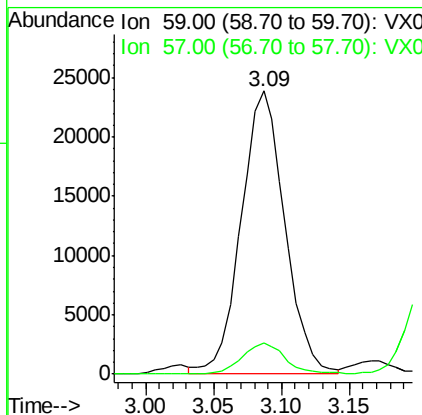
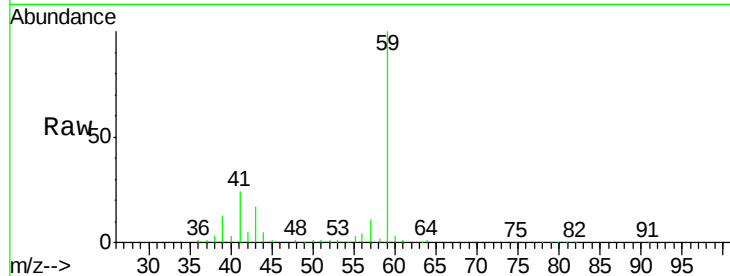
Tert butyl alcohol
Concen: 131.73 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampled :
VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

Manual Integrations
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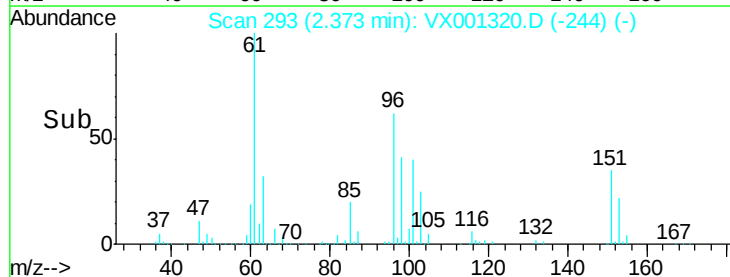
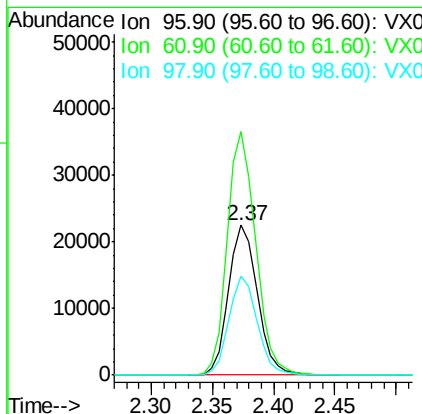
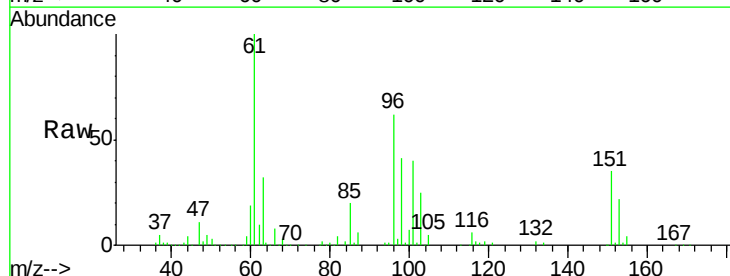
MMDadoda
5/3/2018 12:21:19 PM

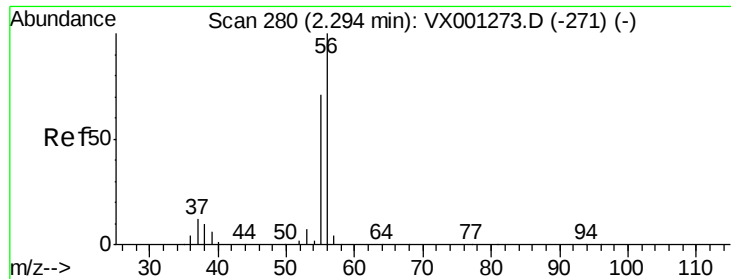


#12

1,1-Dichloroethene
Concen: 21.49 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.4	130.1	195.1
98	65.8	50.3	75.5





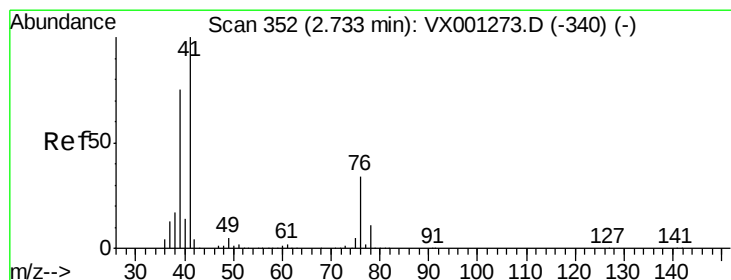
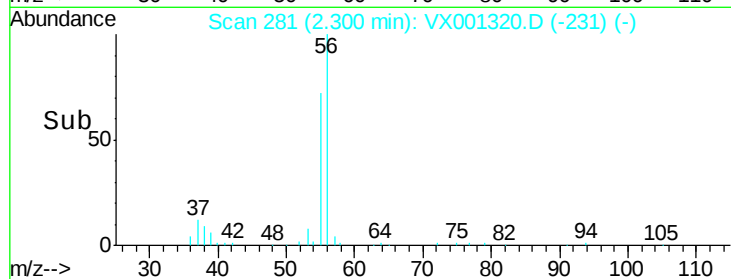
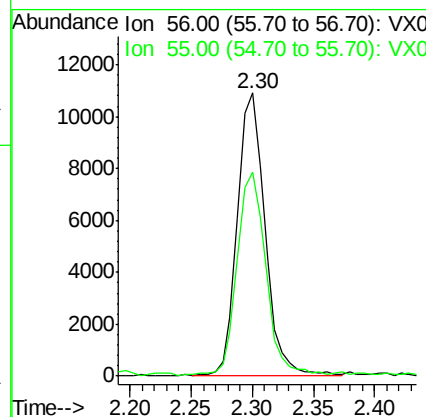
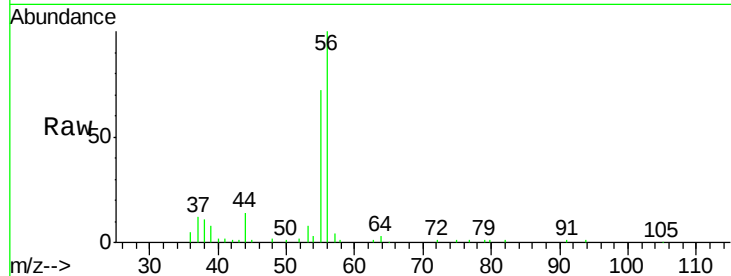
#13
Acrolein
Concen: 73.32 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion: 56 Resp: 17183
Ion Ratio Lower Upper
56 100
55 75.5 57.2 85.8

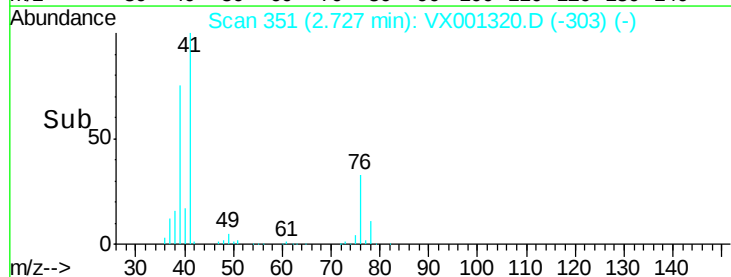
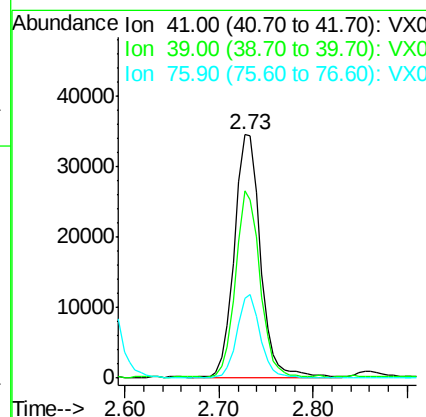
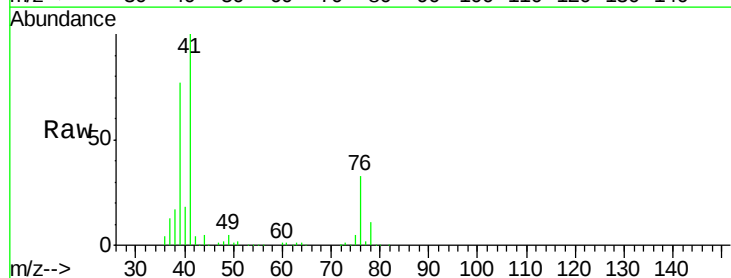
Manual Integrations
APPROVED

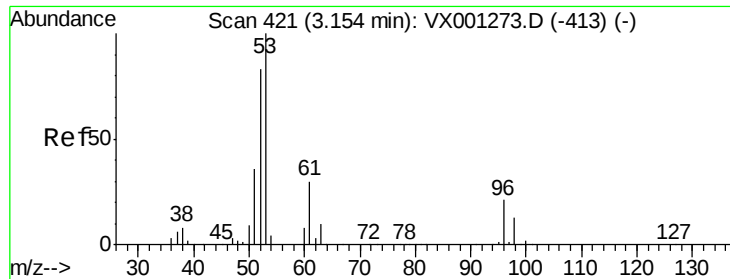
MMDadoda
5/3/2018 12:21:19 PM



#14
Allyl chloride
Concen: 22.21 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion: 41 Resp: 66630
Ion Ratio Lower Upper
41 100
39 71.4 58.1 87.1
76 30.9 25.1 37.7





#15

Acrylonitrile

Concen: 120.35 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

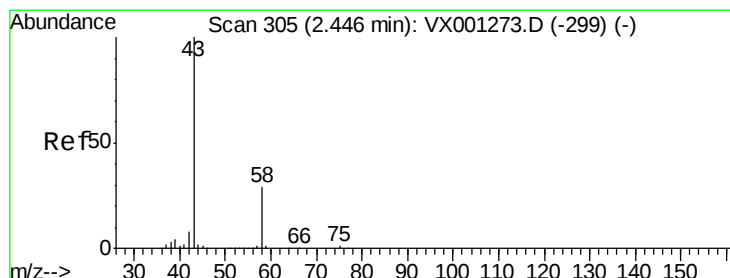
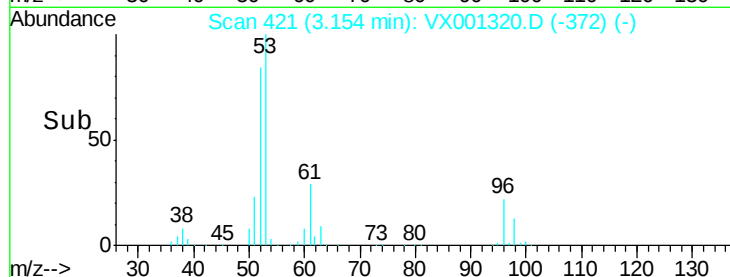
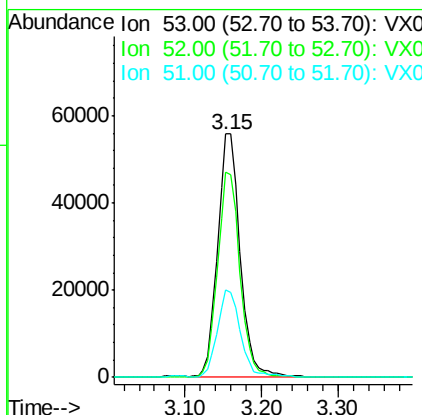
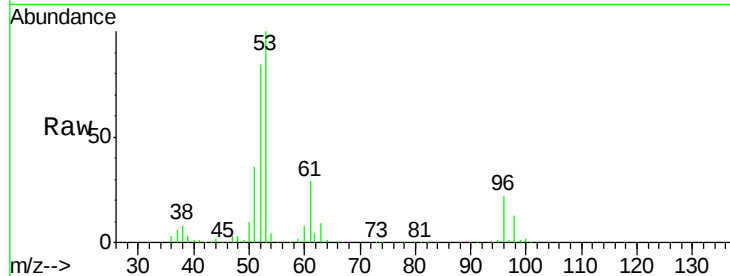
ClientSampled :

VX0502WBSD01

Tot Ion:	53	Resp:	113532
Ion Ratio		Lower	Upper
53	100		
52	83.4	67.0	100.4
51	36.8	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 118.47 ug/l

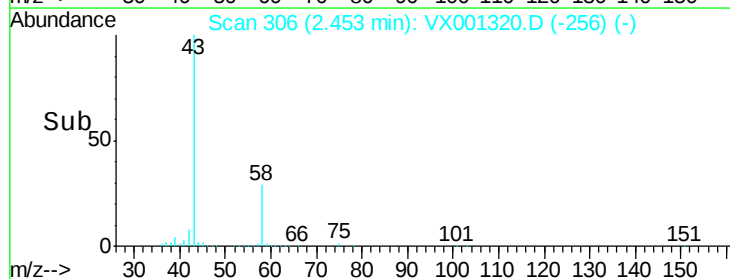
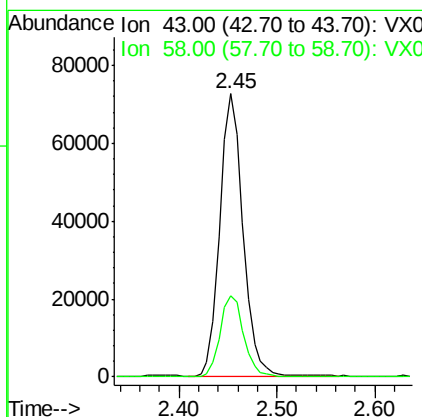
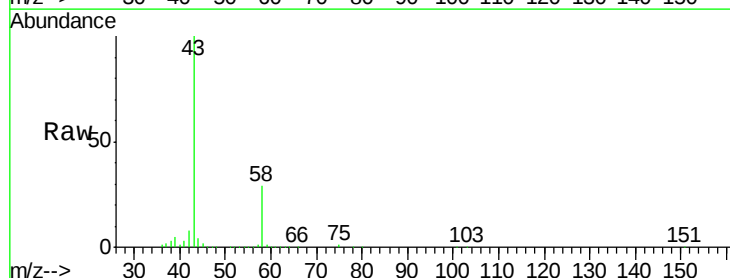
RT: 2.45 min Scan# 306

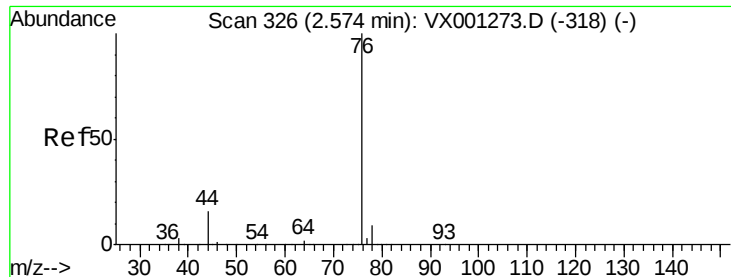
Delta R.T. 0.01 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Tgt Ion:	43	Resp:	119632
Ion Ratio		Lower	Upper
43	100		
58	28.6	22.8	34.2





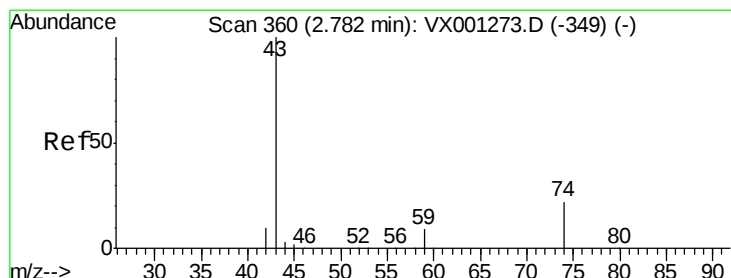
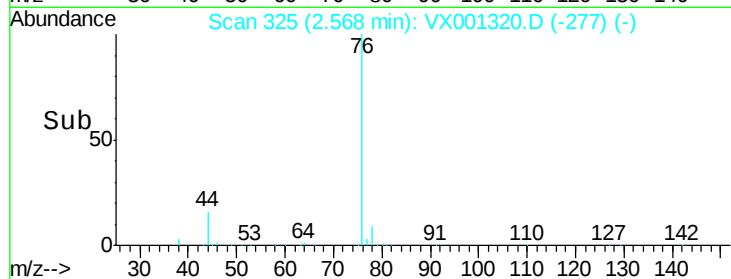
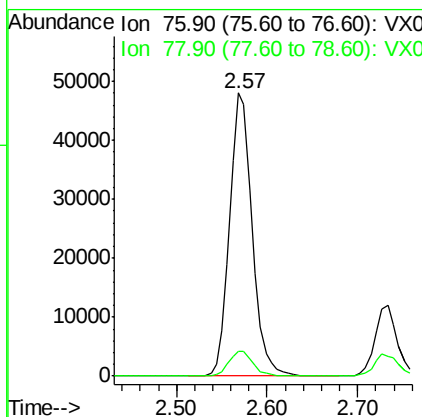
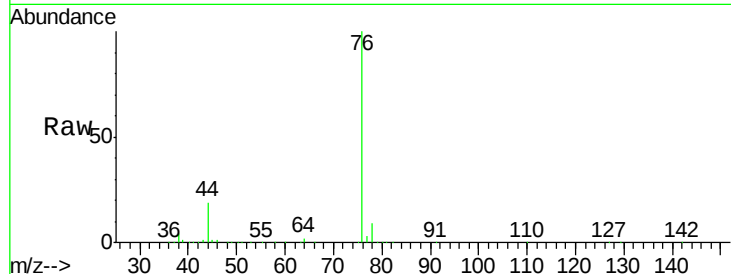
#17
Carbon Disulfide
Concen: 18.57 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

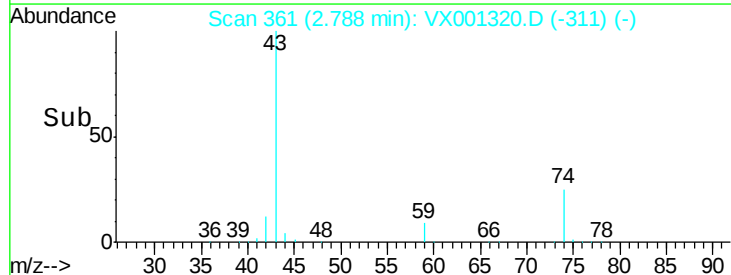
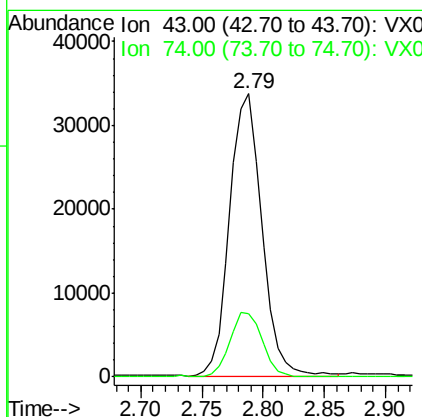
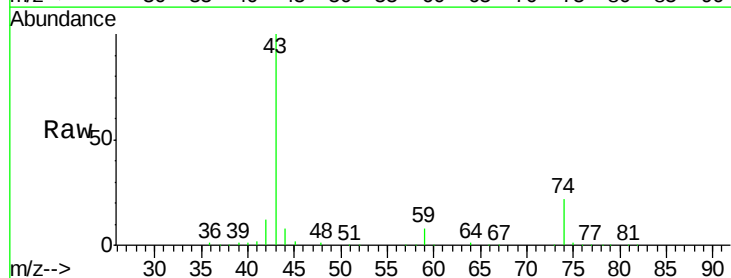
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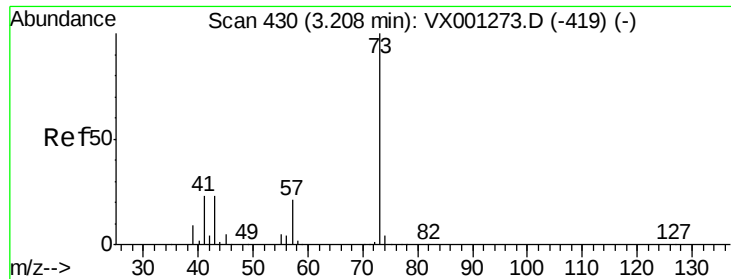
MMDadoda
5/3/2018 12:21:19 PM



#18
Methyl Acetate
Concen: 25.88 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	17.8	26.6





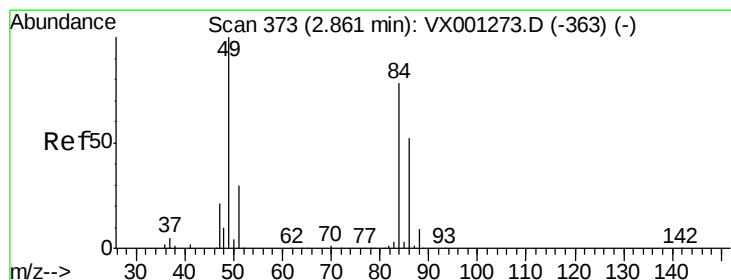
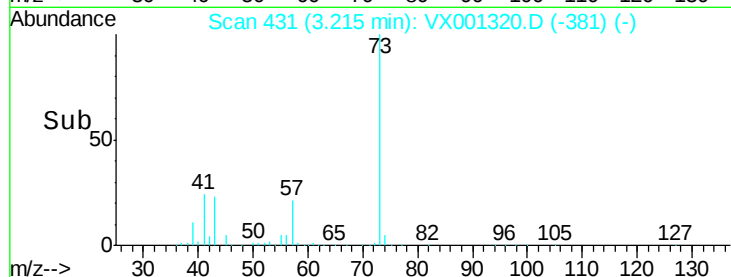
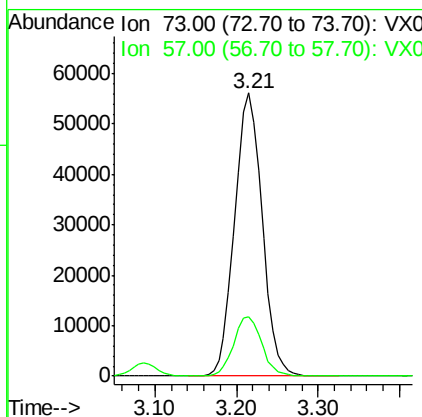
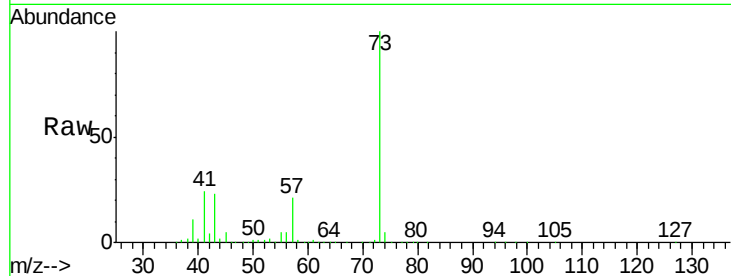
#19
Methvl tert-butvl Ether
Concen: 22.44 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion: 73 Resp: 131042
Ion Ratio Lower Upper
73 100
57 21.1 16.8 25.2

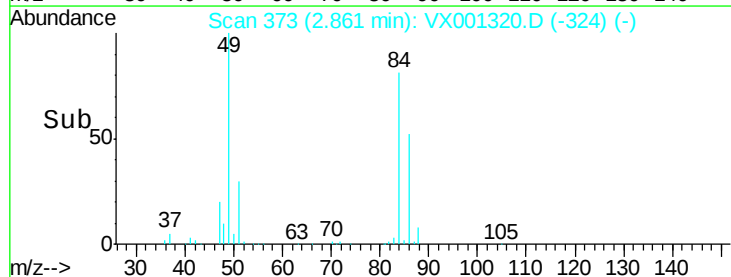
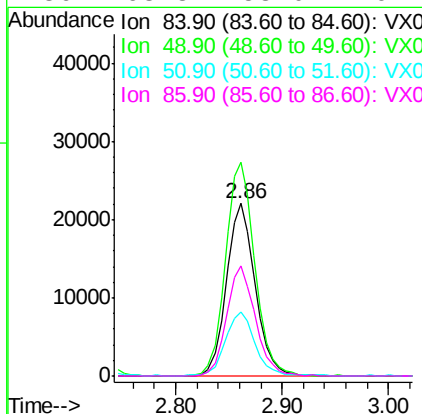
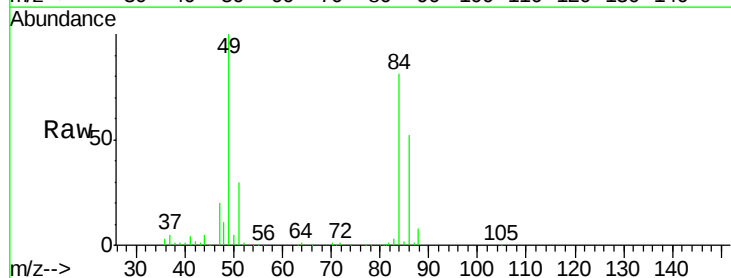
Manual Integrations
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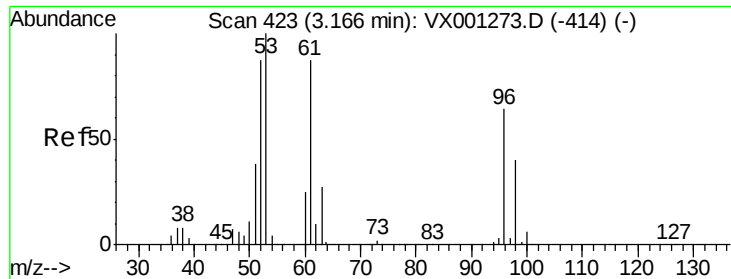
MMDadoda
5/3/2018 12:21:19 PM



#20
Methylene Chloride
Concen: 21.96 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion: 84 Resp: 41649
Ion Ratio Lower Upper
84 100
49 123.8 102.8 154.2
51 37.1 30.9 46.3
86 63.8 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 21.33 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

ClientSampled :

VX0502WBSD01

Tot Ion: 96 Resp: 39798

Ion Ratio Lower Upper

96 100

61 137.9 108.6 162.8

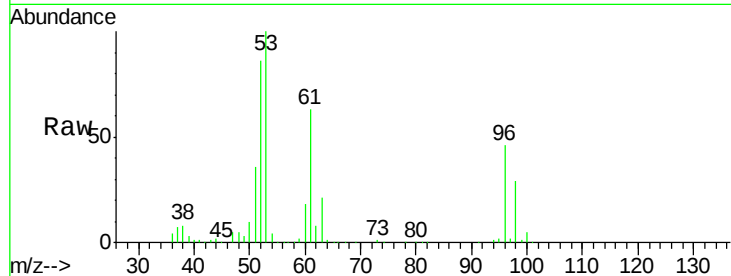
98 62.8 49.7 74.5

Manual Integrations

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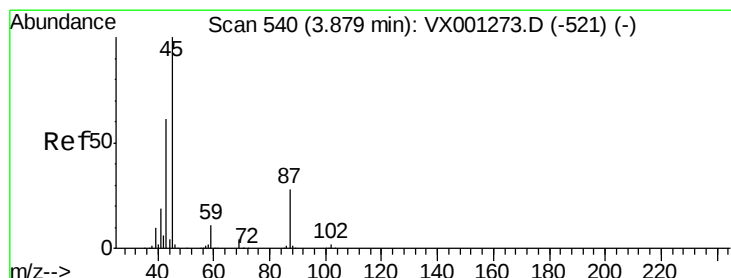
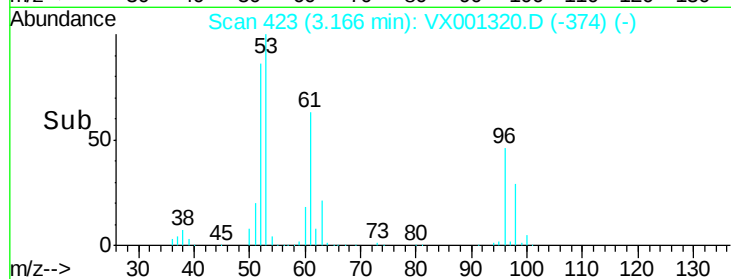
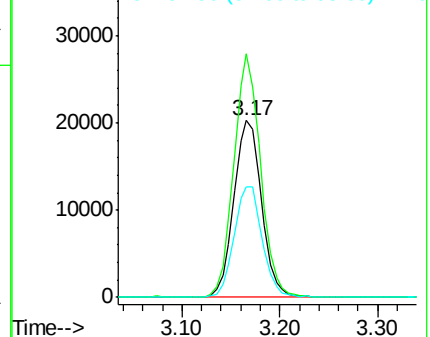
5/3/2018 12:21:19 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 22.15 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.01 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Tgt Ion: 45 Resp: 127940

Ion Ratio Lower Upper

45 100

43 55.8 48.7 73.1

87 28.9 22.2 33.4

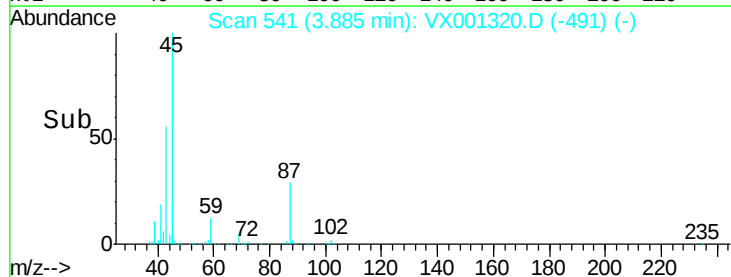
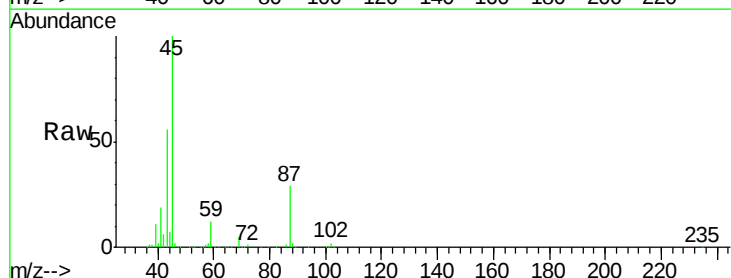
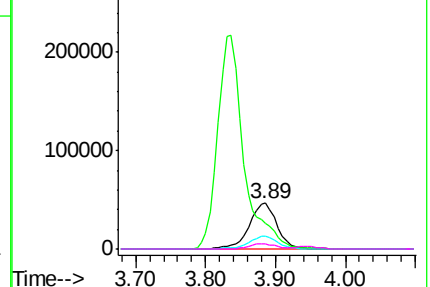
59 11.9 9.1 13.7

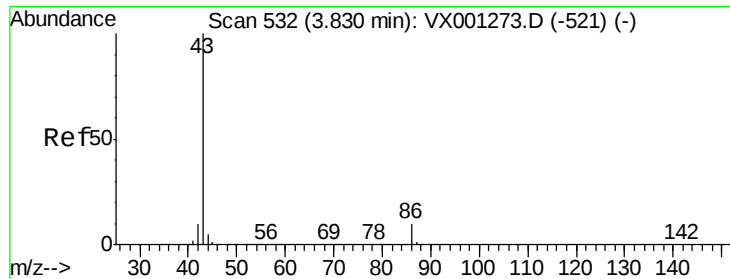
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





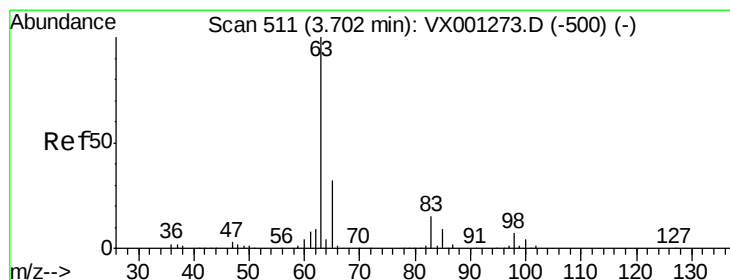
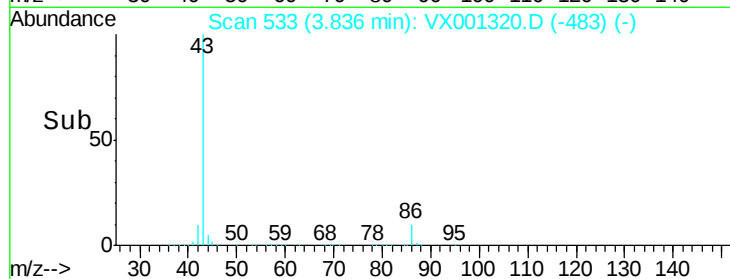
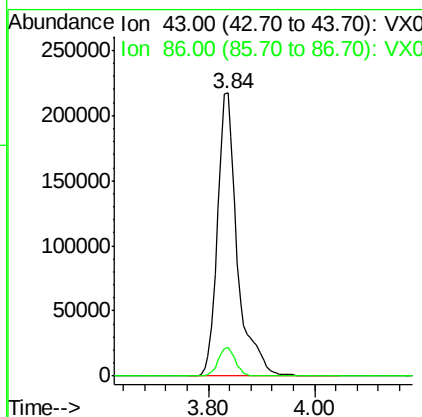
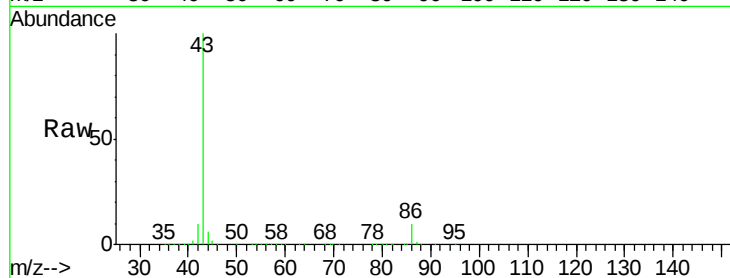
#23
 Vinyl Acetate
 Concen: 115.85 ug/l
 RT: 3.84 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VX001320.D
 Acq: 02 May 2018 16:40

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0502WBSD01

Tot Ion	43	Resp	567108
Ion Ratio	100	Lower	Upper
43	100		
86	10.3	8.2	12.4

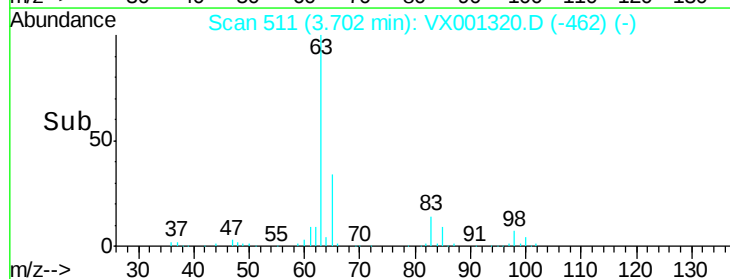
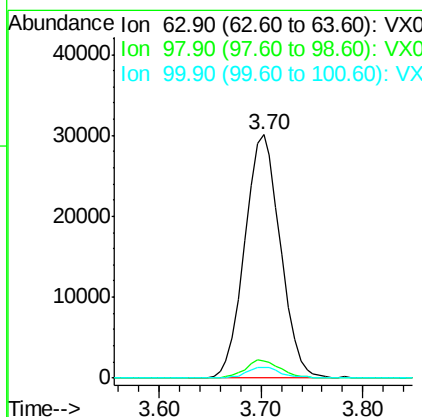
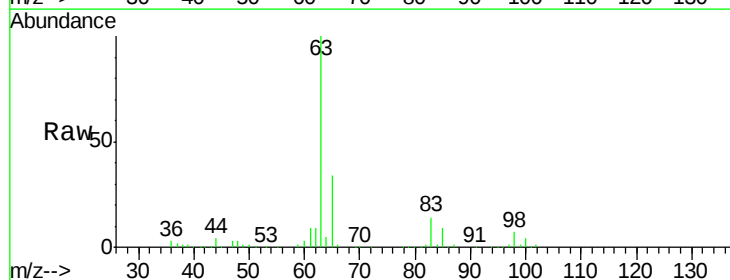
Manual Integrations
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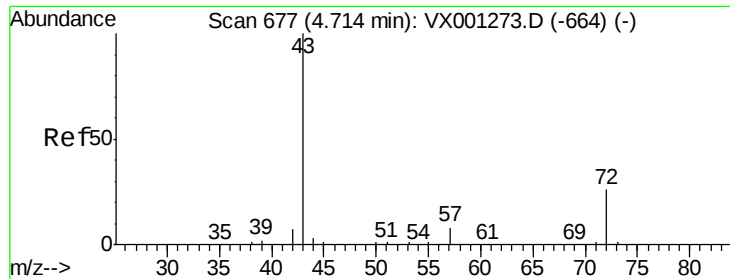
MMDadoda
 5/3/2018 12:21:19 PM



#24
 1,1-Dichloroethane
 Concen: 22.72 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VX001320.D
 Acq: 02 May 2018 16:40

Tgt Ion	63	Resp	73105
Ion Ratio	100	Lower	Upper
63	100		
98	7.1	3.5	10.5
100	4.1	2.3	6.8





#25

2-Butanone

Concen: 112.11 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion: 43 Resp: 153077

Ion Ratio Lower Upper

43 100

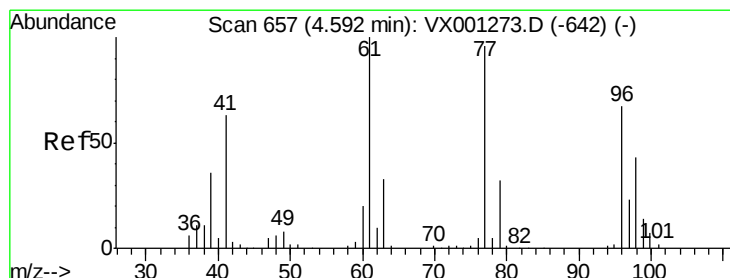
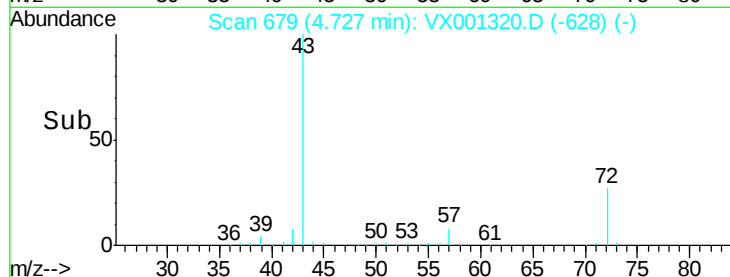
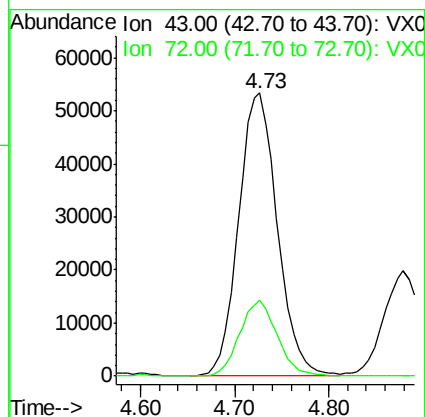
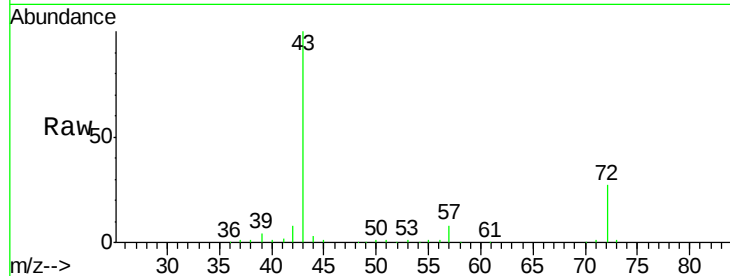
72 27.0 20.5 30.7

Manual Integrations

APPROVED

MMDadoda

5/3/2018 12:21:19 PM



#26

2,2-Dichloropropane

Concen: 19.43 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001320.D

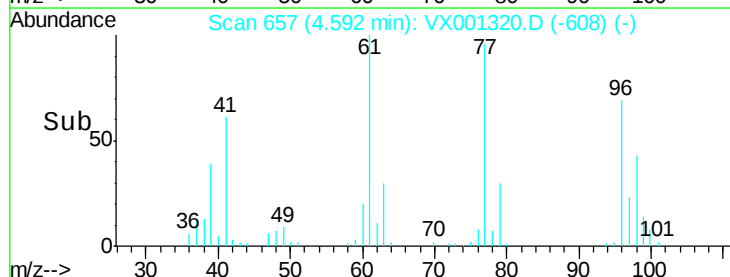
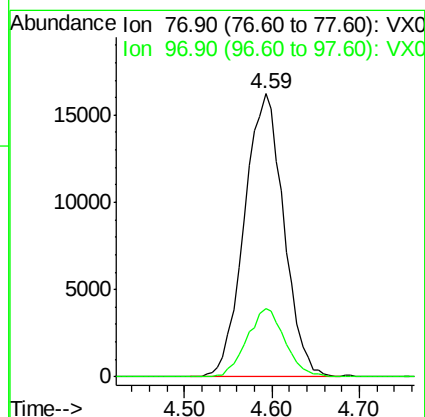
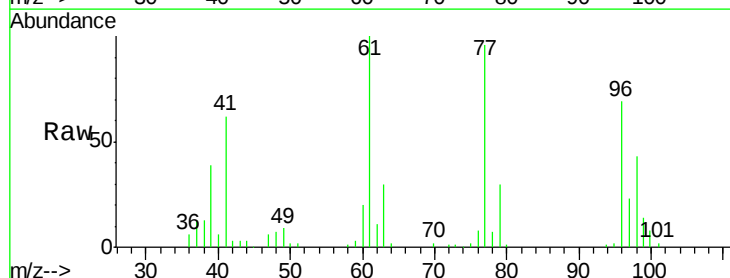
Acq: 02 May 2018 16:40

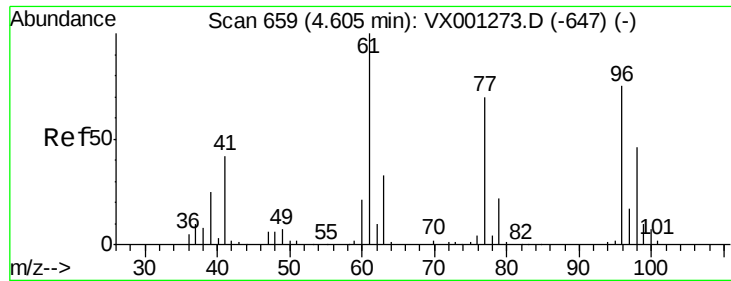
Tgt Ion: 77 Resp: 50880

Ion Ratio Lower Upper

77 100

97 23.3 11.8 35.3





#27

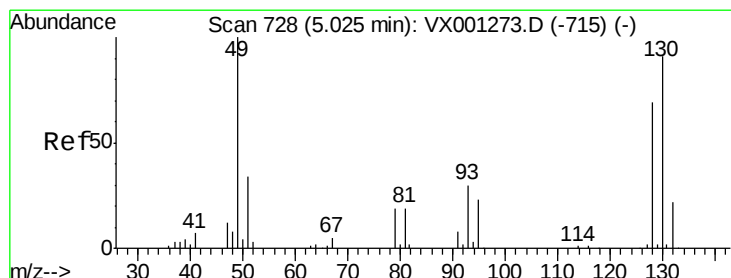
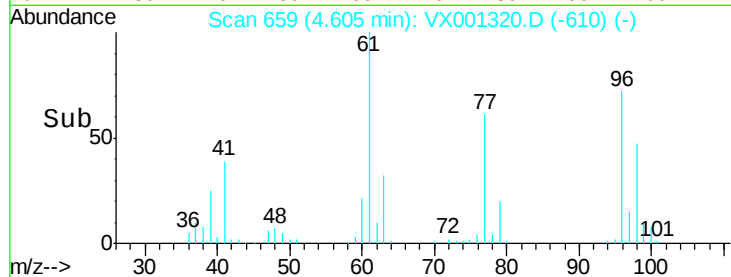
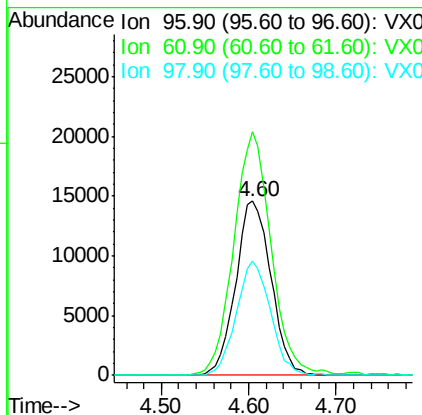
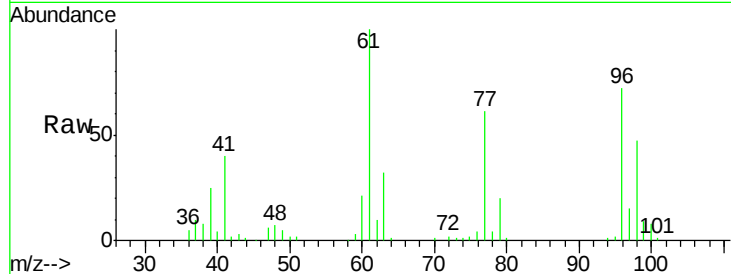
cis-1,2-Dichloroethene
Concen: 20.03 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampled :
VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	288.0
98	63.4	0.0	130.2

Manual Integrations
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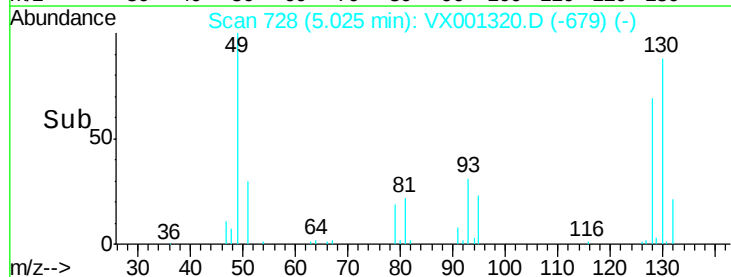
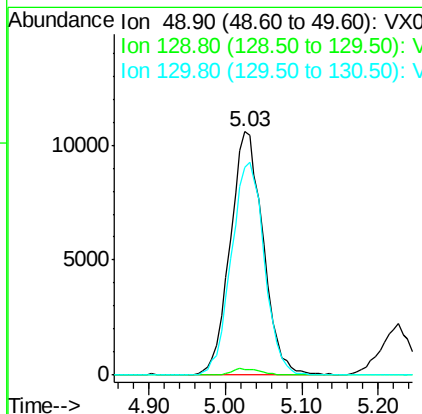
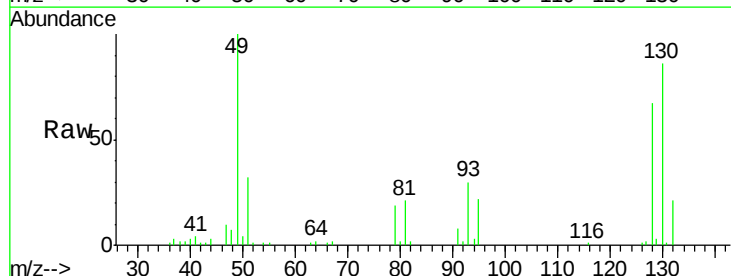
MMDadoda
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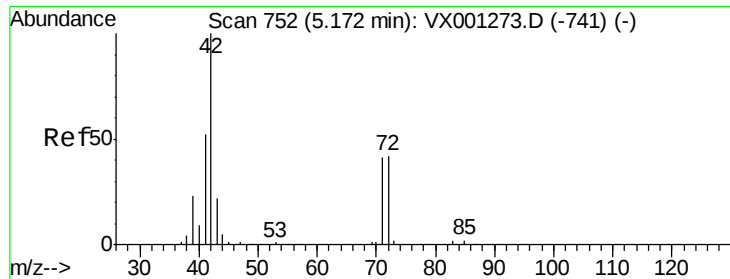


#28

Bromochloromethane
Concen: 21.85 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.8
130	87.2	70.4	105.6





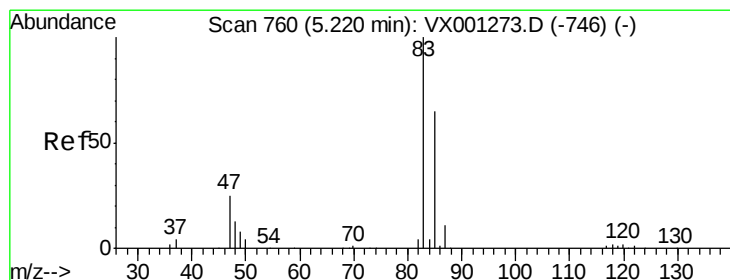
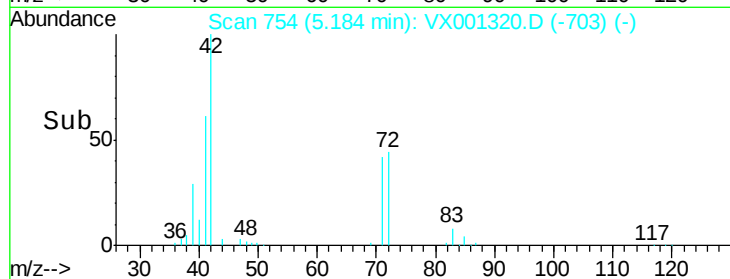
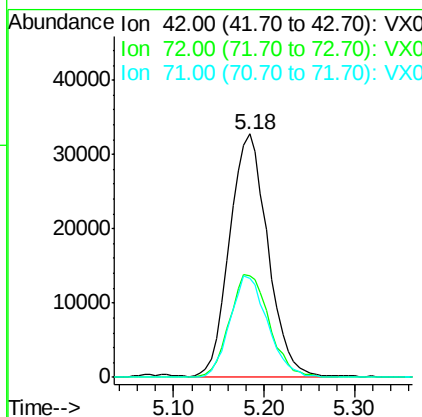
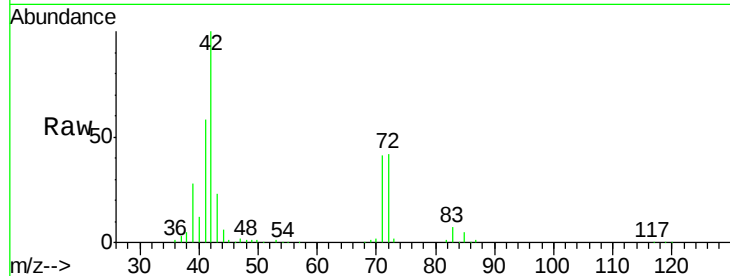
#29
Tetrahydrofuran
Concen: 113.51 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.6	52.0
71	41.3	32.7	49.1

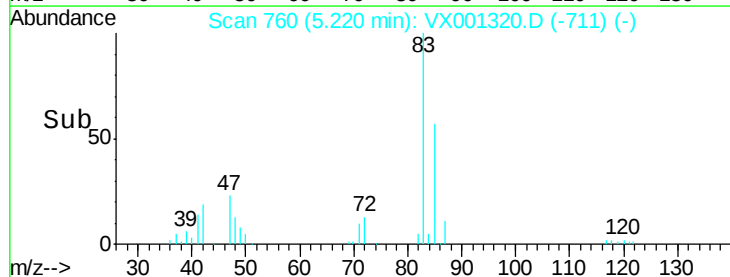
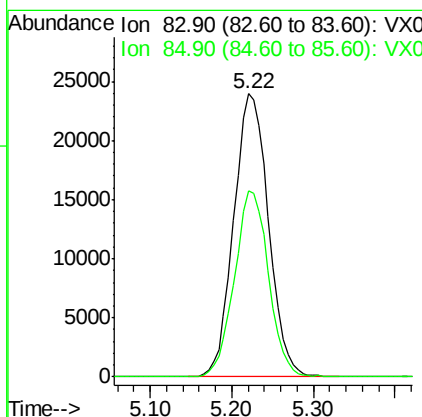
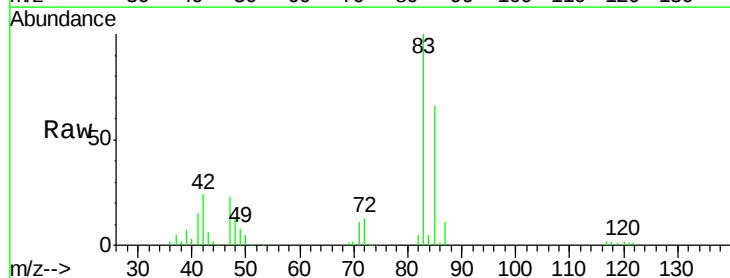
Manual Integrations
APPROVED

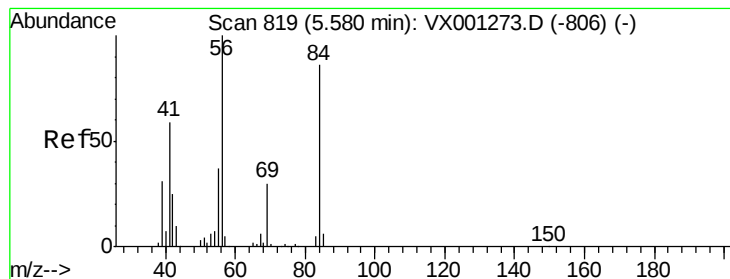
MMDadoda
5/3/2018 12:21:19 PM



#30
Chloroform
Concen: 20.75 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.2	78.2





#31

Cyclohexane

Concen: 18.94 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

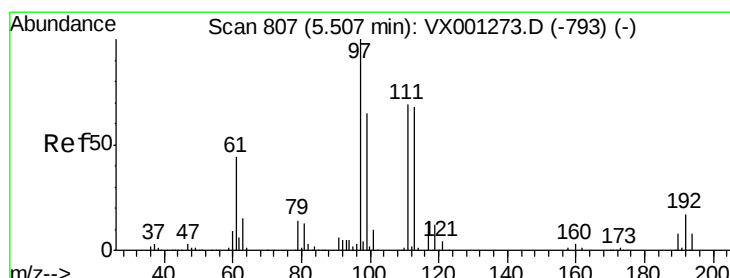
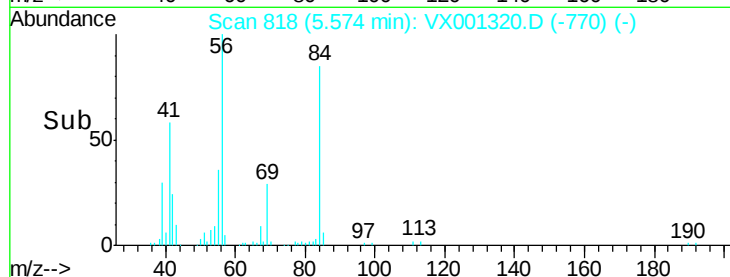
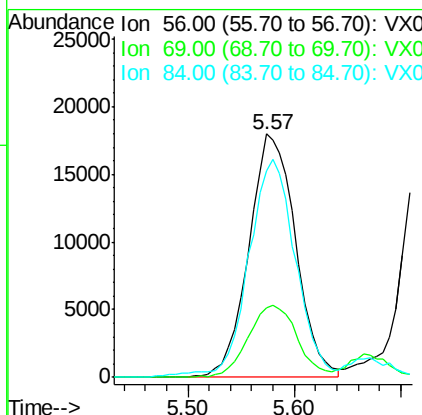
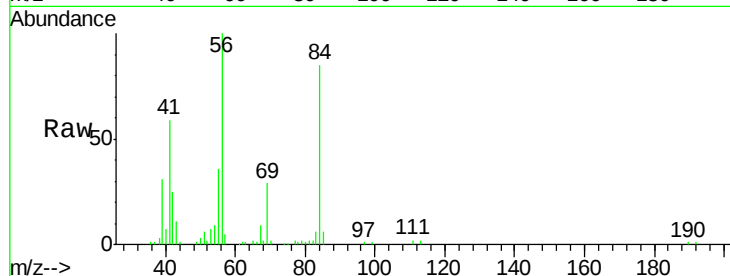
ClientSampleId :

VX0502WBSD01

Tot Ion:	56	Resp:	55049
Ion	Ratio	Lower	Upper
56	100		
69	28.5	24.0	36.0
84	83.0	69.0	103.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.57 ug/l

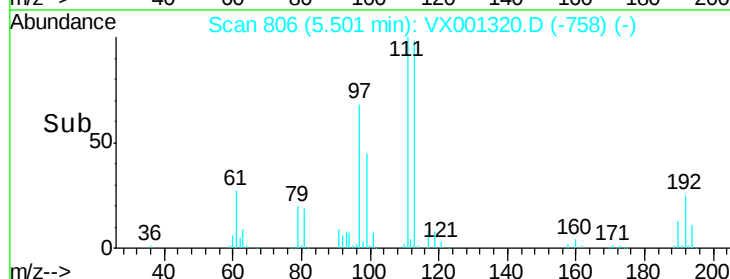
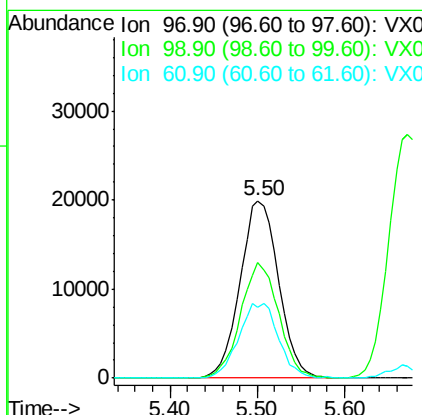
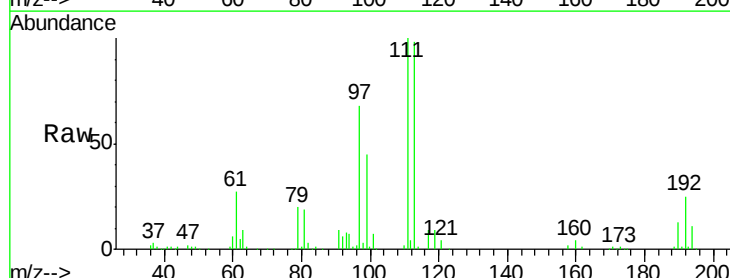
RT: 5.50 min Scan# 806

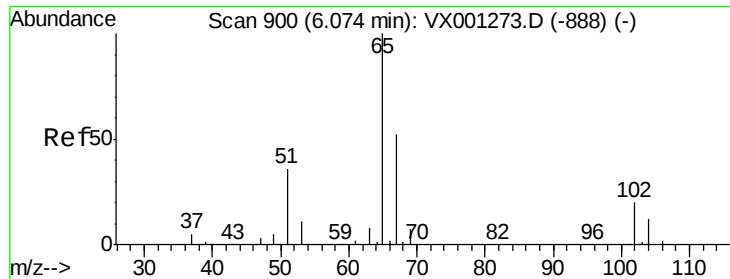
Delta R.T. -0.01 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Tgt Ion:	97	Resp:	61141
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.6
61	43.3	35.4	53.2





#33

1,2-Dichloroethane-d4

Concen: 48.06 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion: 65 Resp: 113695

Ion Ratio Lower Upper

65 100

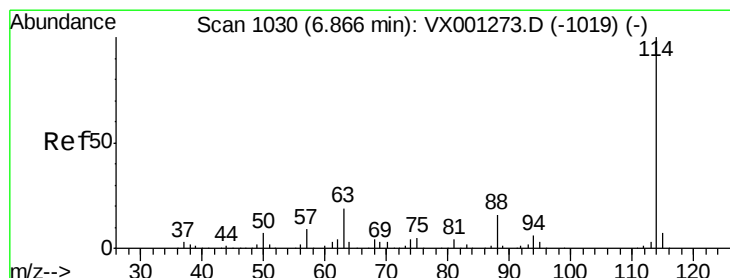
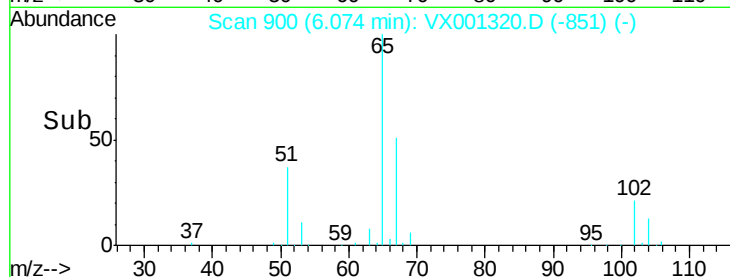
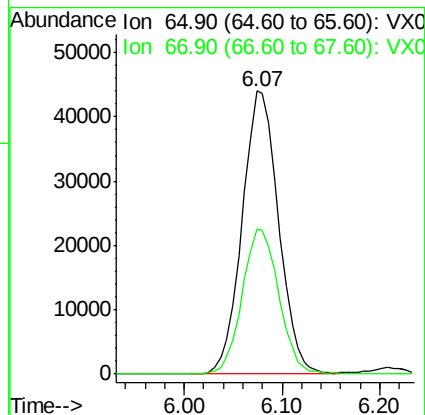
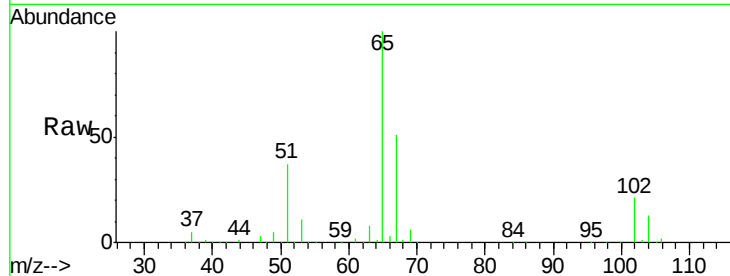
67 51.6 0.0 102.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

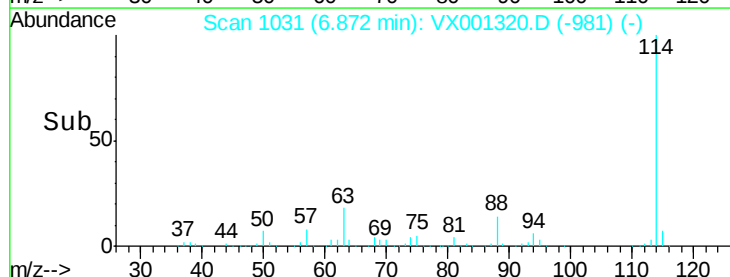
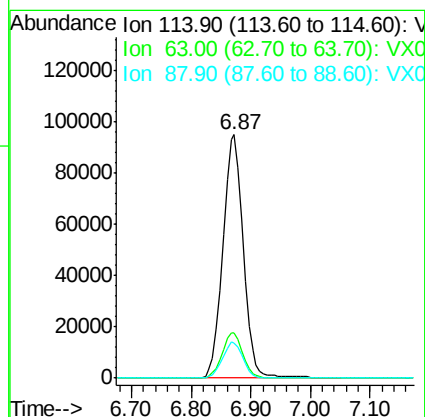
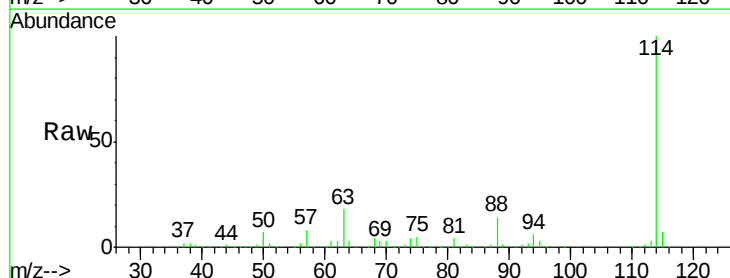
Tgt Ion: 114 Resp: 227019

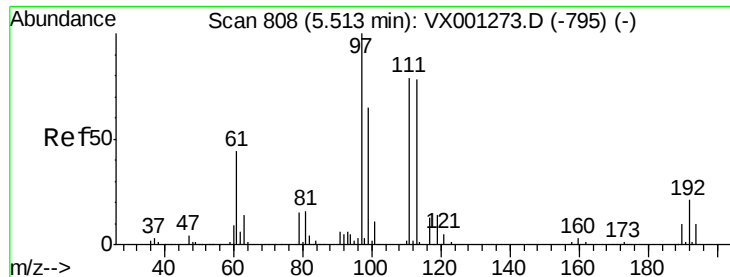
Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.8

88 14.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 49.08 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion:113 Resp: 95992

Ion Ratio Lower Upper

113 100

111 101.9 81.2 121.8

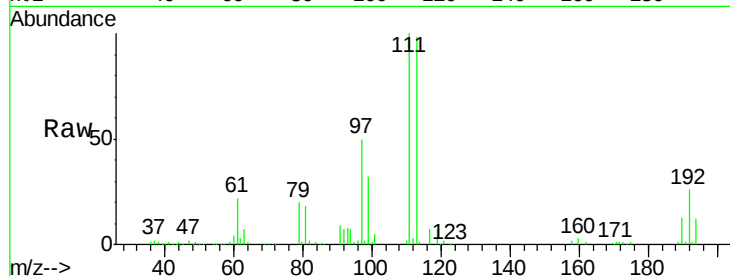
192 25.9 20.7 31.1

Manual Integrations

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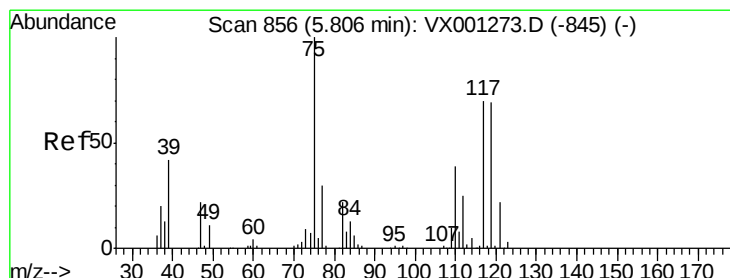
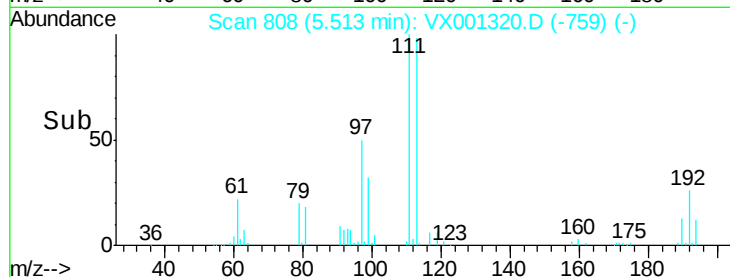
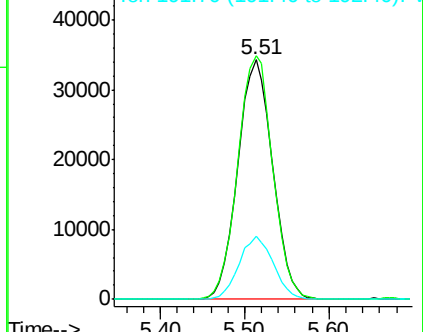
5/3/2018 12:21:19 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.87 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

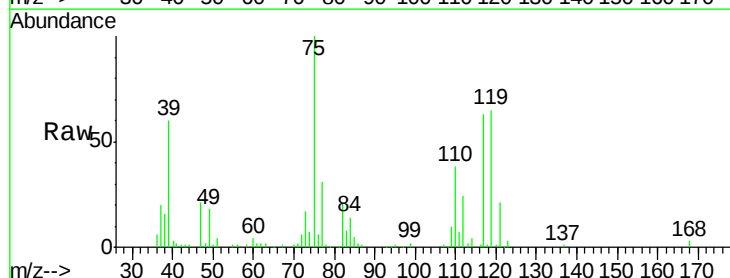
Tgt Ion: 75 Resp: 49441

Ion Ratio Lower Upper

75 100

110 37.7 18.9 56.9

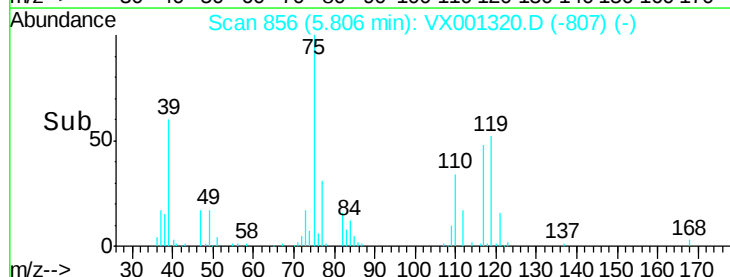
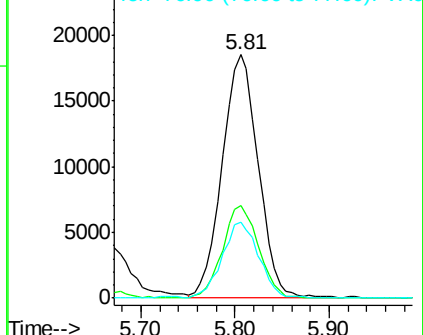
77 31.7 24.2 36.2

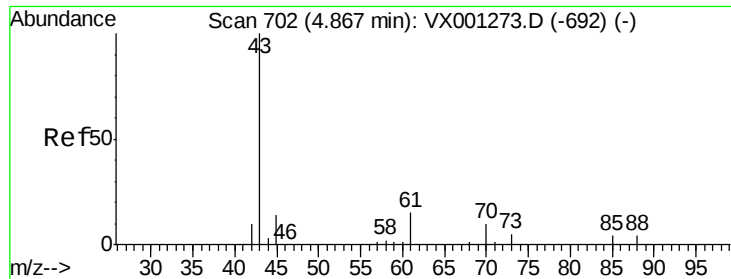


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





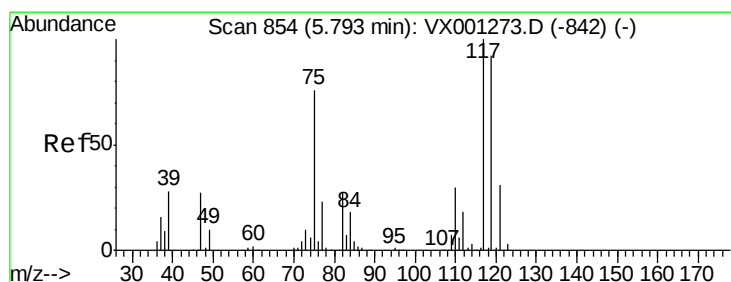
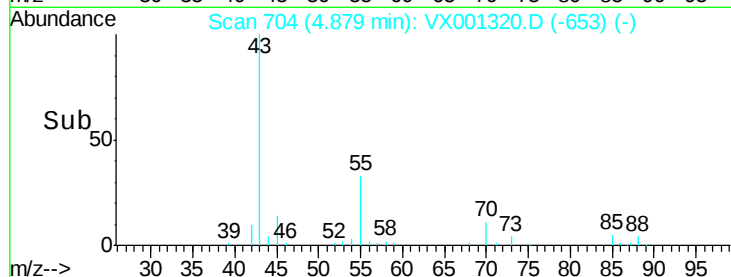
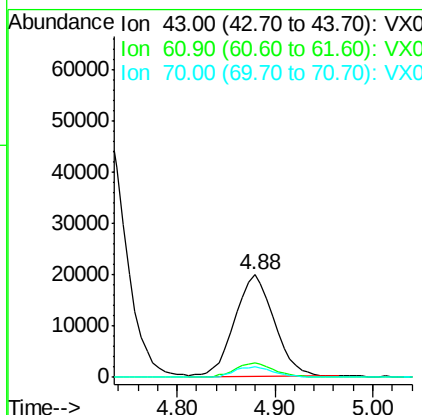
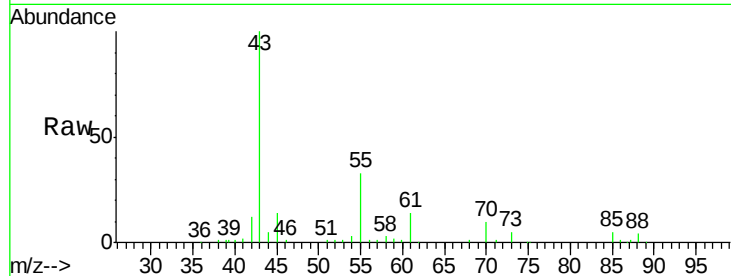
#37
Ethyl Acetate
Concen: 21.03 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	10.7	8.0	12.0

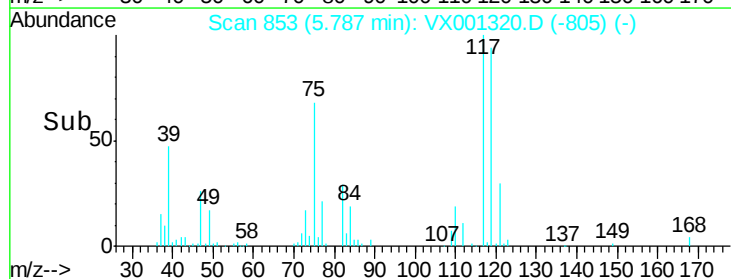
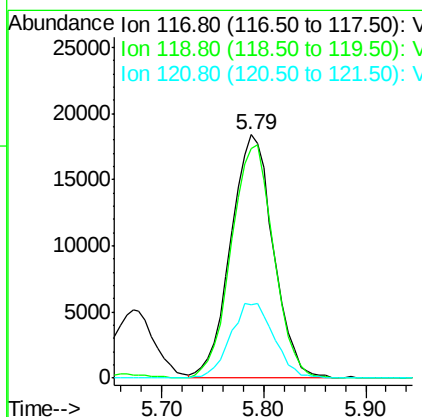
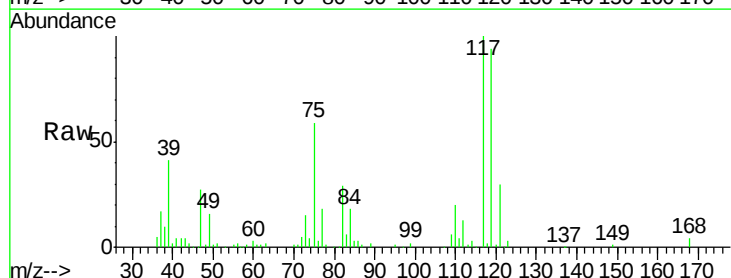
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 19.35 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	73.4	110.2
121	30.5	25.0	37.4





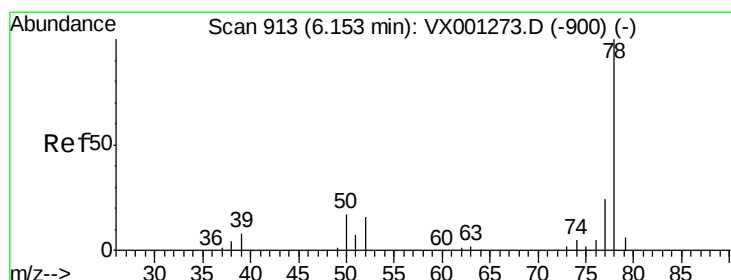
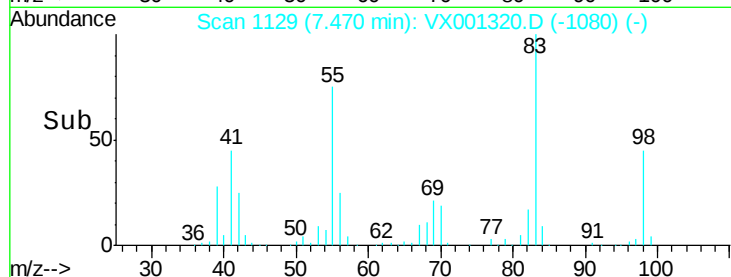
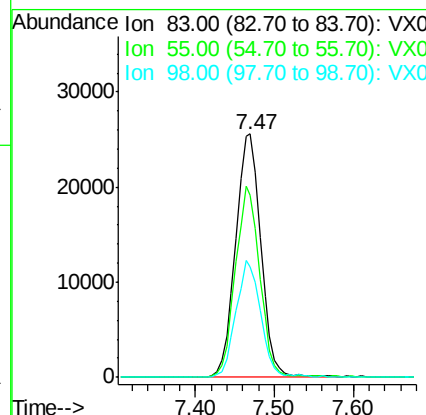
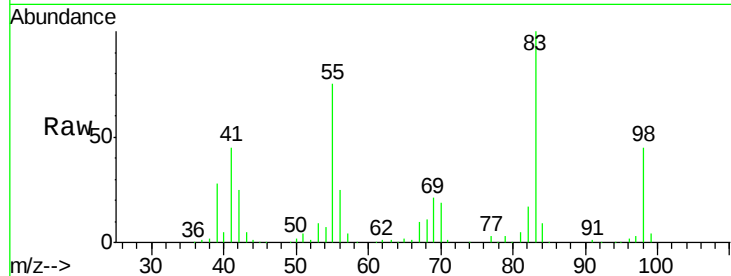
#39
Methvlcvclohexane
Concen: 18.47 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	60.4	90.6
98	45.2	37.0	55.6

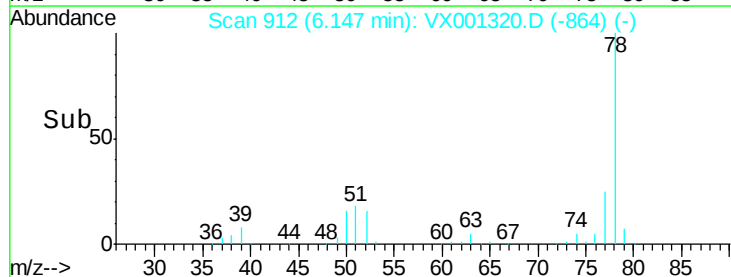
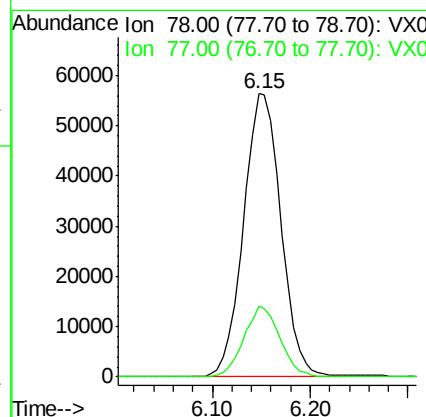
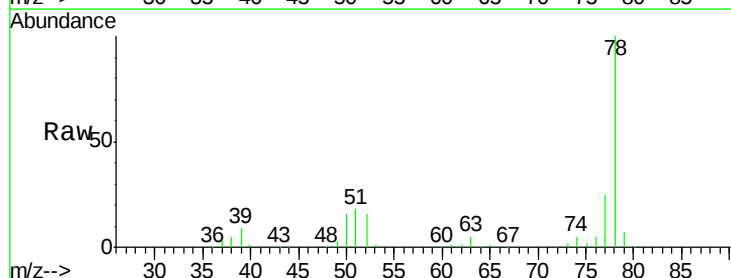
Manual Integrations
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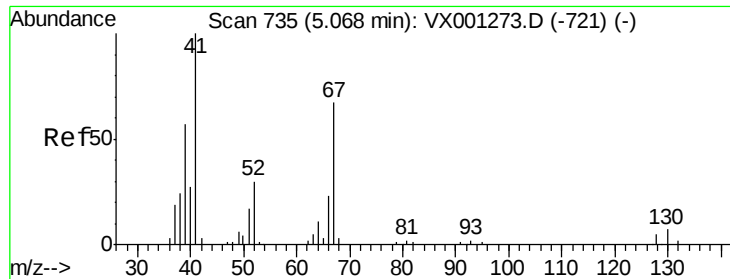
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#40
Benzene
Concen: 19.93 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.0	28.4





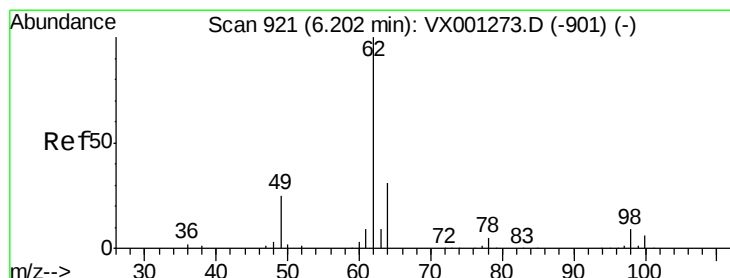
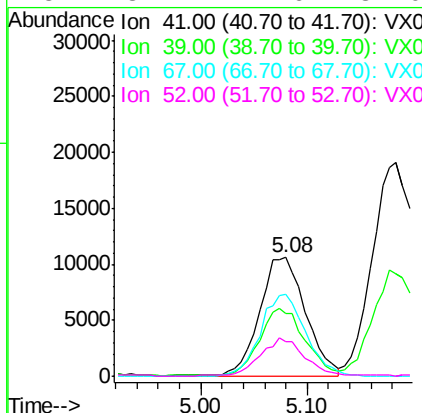
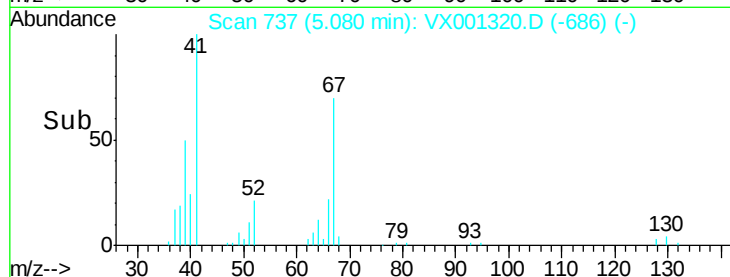
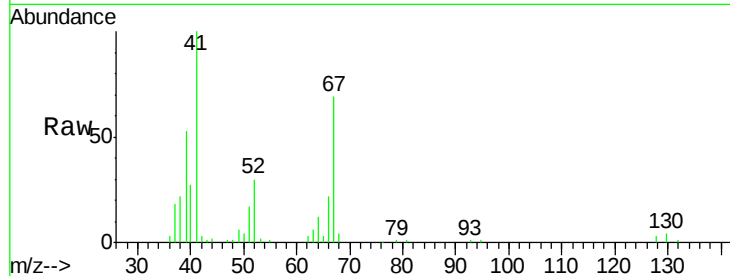
#41
Methacrylonitrile
Concen: 20.58 ug/l
RT: 5.08 min Scan# 737
Delta R.T. 0.01 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
31706	41	100		
	39	55.5	45.8	68.8
	67	68.3	54.8	82.2
	52	31.4	24.6	37.0

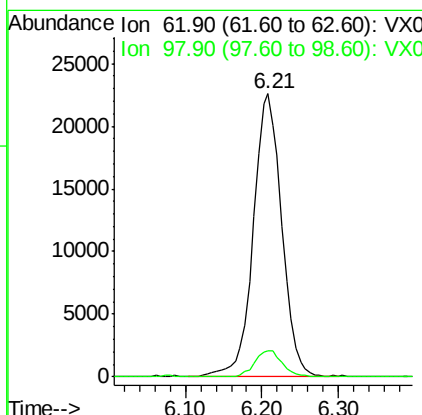
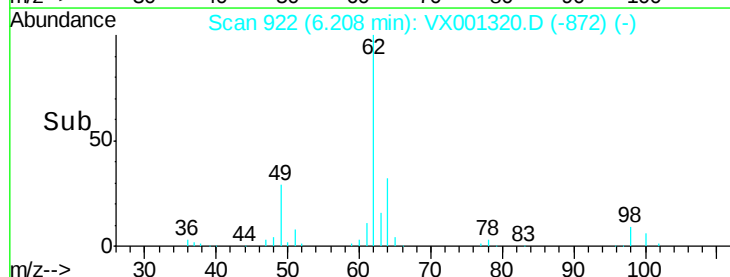
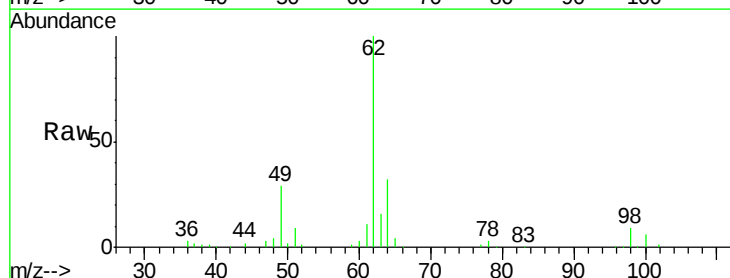
Manual Integrations
APPROVED

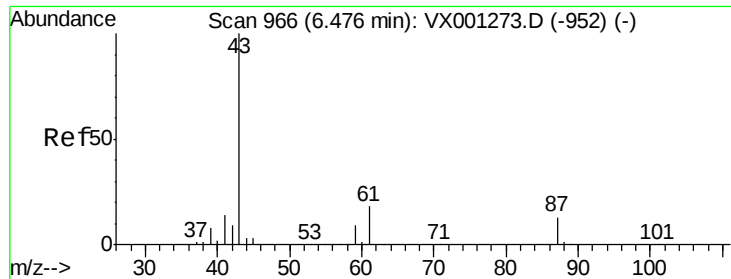
MMDadoda
5/3/2018 12:21:19 PM



#42
1,2-Dichloroethane
Concen: 20.11 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion	Ion	Ratio	Lower	Upper
58691	62	100		
	98	9.0	0.0	17.2





#43

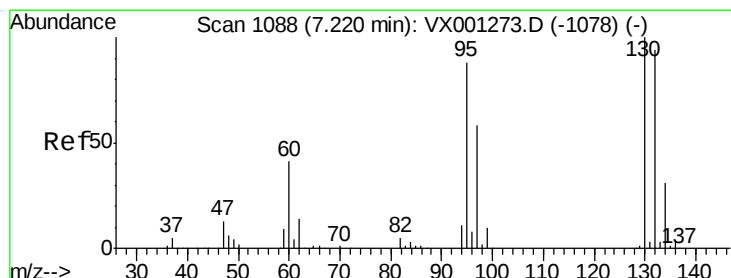
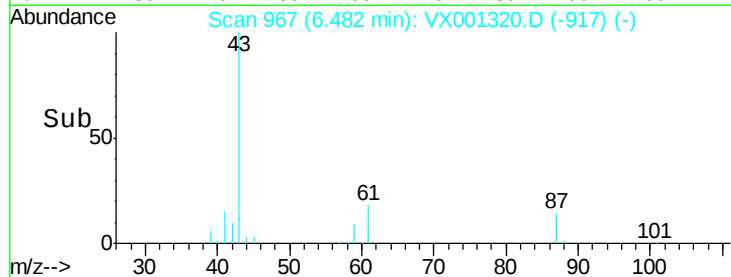
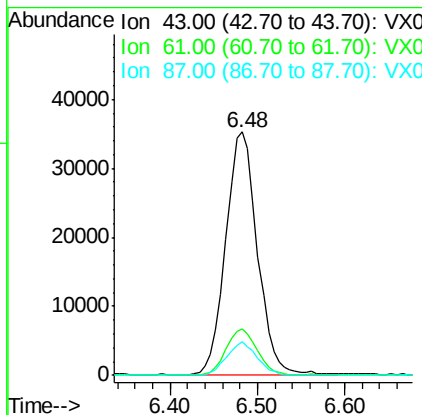
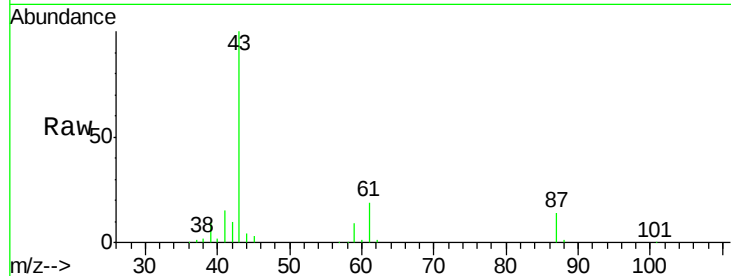
Isopropyl Acetate
 Concen: 20.67 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX001320.D
 Acq: 02 May 2018 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.0	22.4
87	13.3	10.2	15.4

Manual Integrations
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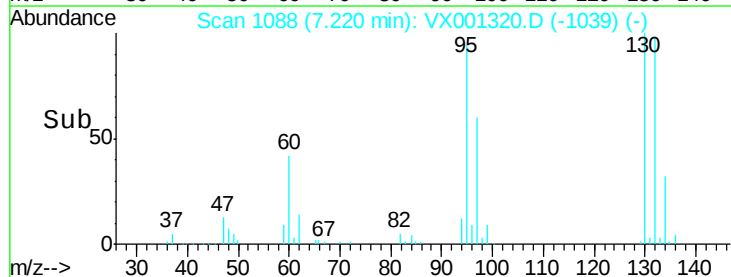
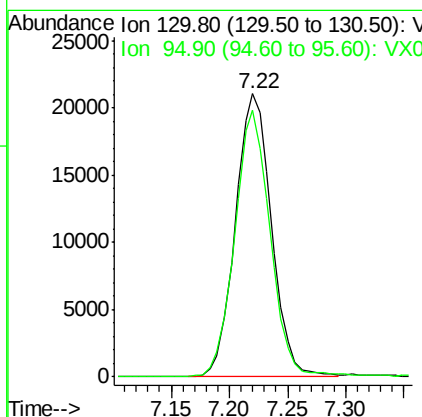
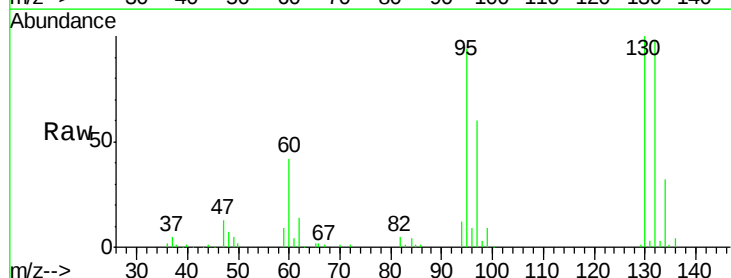
MMDadoda
 5/3/2018 12:21:19 PM

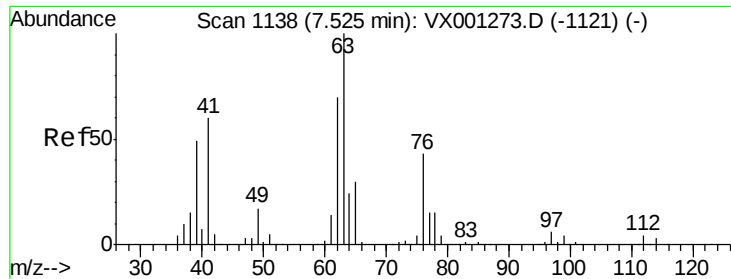


#44

Trichloroethene
 Concen: 19.72 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001320.D
 Acq: 02 May 2018 16:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	176.0





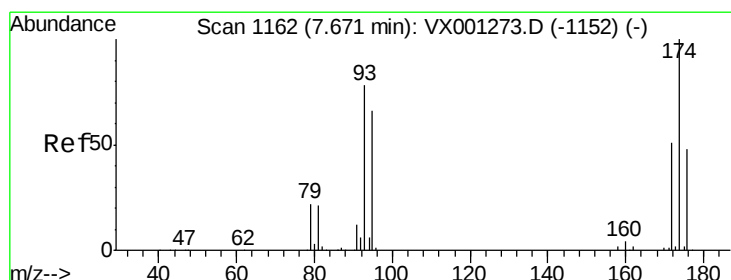
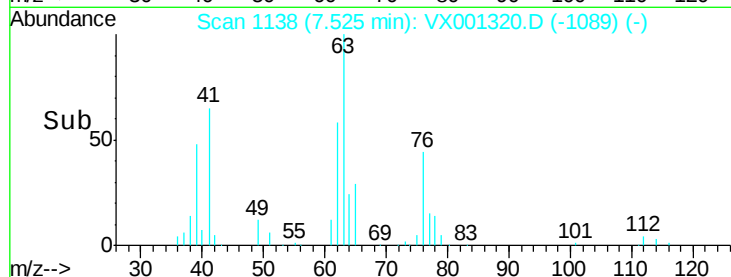
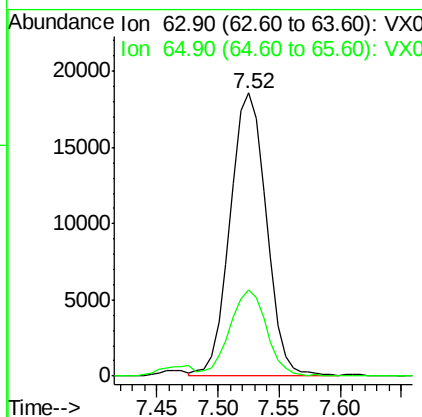
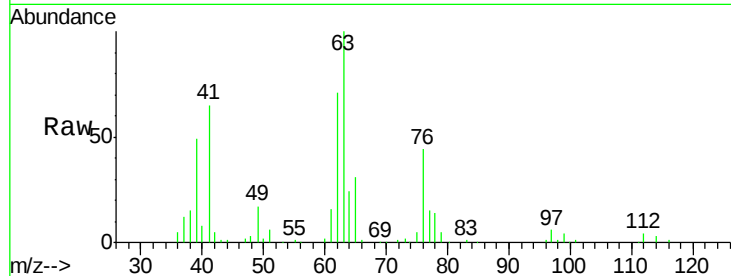
#45
 1,2-Dichloropropane
 Concen: 19.74 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001320.D
 Acq: 02 May 2018 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD01

Tot Ion: 63 Resp: 38207
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.2 36.4

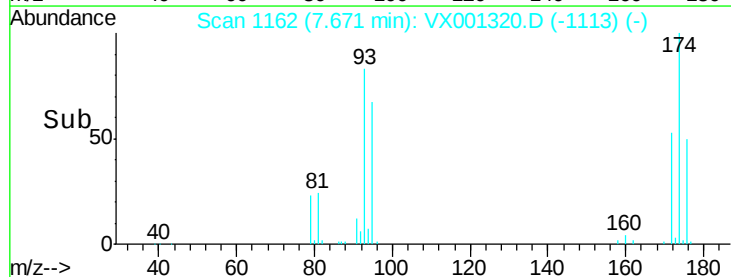
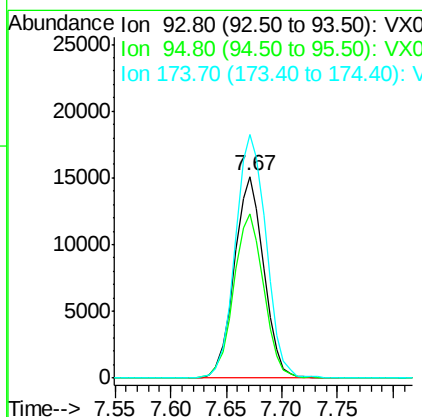
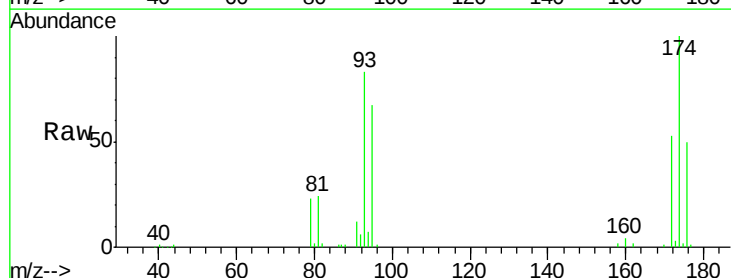
Manual Integrations
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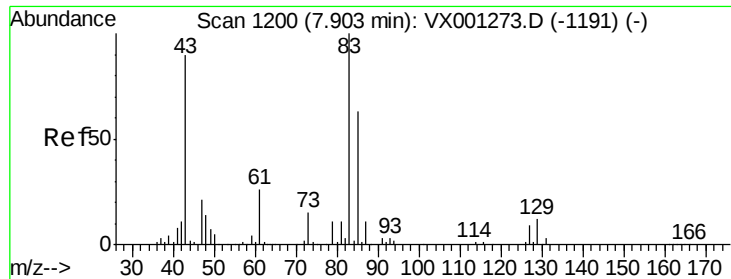
MMDadoda
 5/3/2018 12:21:19 PM



#46
 Dibromomethane
 Concen: 20.41 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001320.D
 Acq: 02 May 2018 16:40

Tgt Ion: 93 Resp: 27698
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.0 100.6
 174 126.0 102.3 153.5





#47

Bromodichloromethane

Concen: 20.23 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

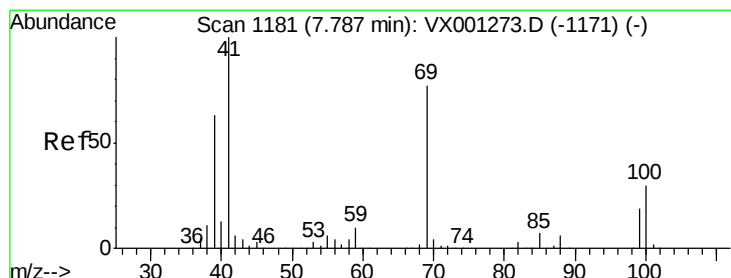
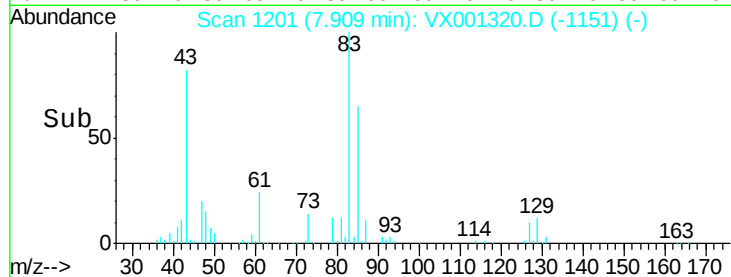
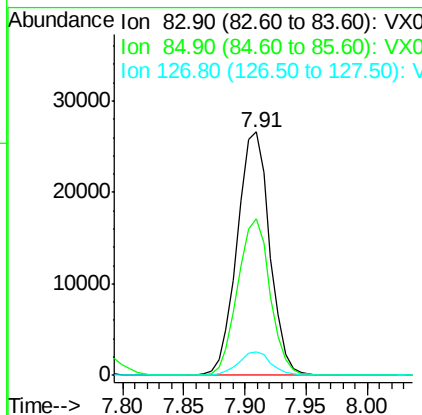
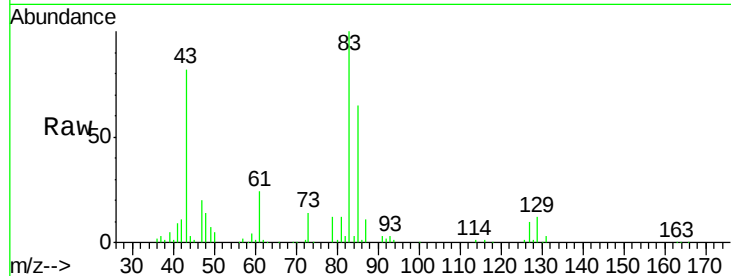
ClientSampled :

VX0502WBSD01

Tot Ion:	83	Resp:	49070
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.3	75.5
127	9.8	7.4	11.2

Manual Integrations
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5/3/2018 12:21:19 PM



#48

Methyl methacrylate

Concen: 20.42 ug/l

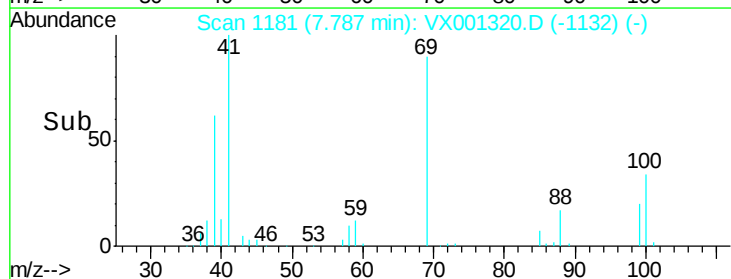
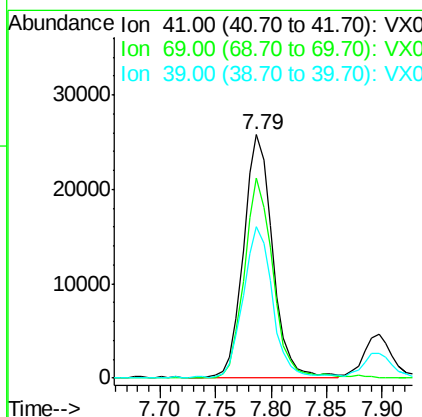
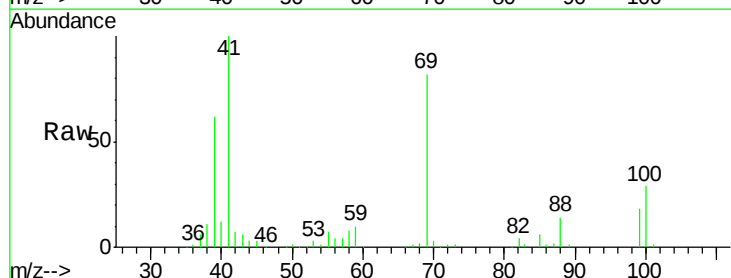
RT: 7.79 min Scan# 1181

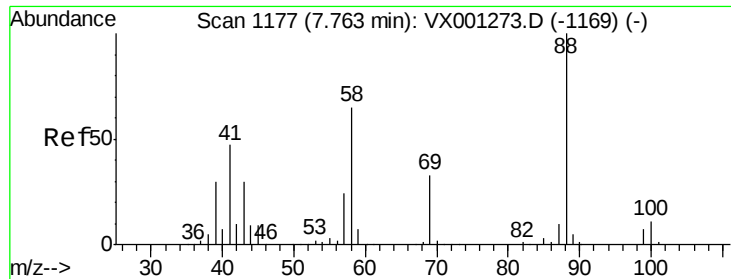
Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Tgt Ion:	41	Resp:	46490
Ion	Ratio	Lower	Upper
41	100		
69	82.0	63.0	94.6
39	62.2	50.2	75.4





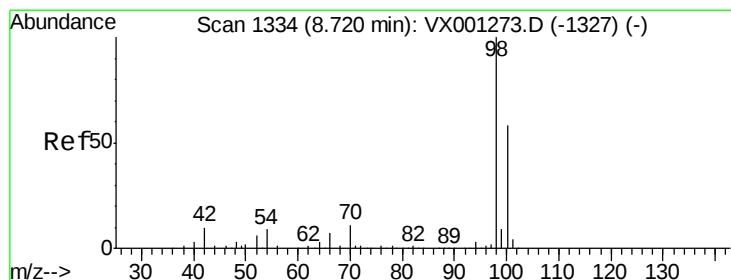
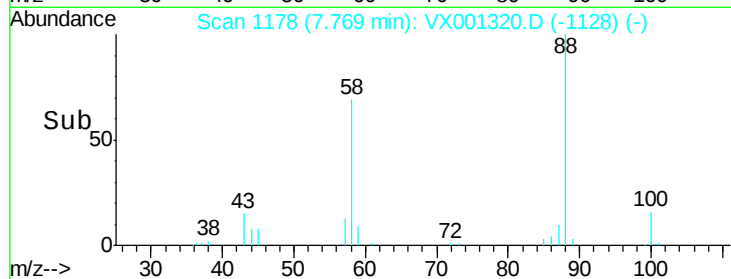
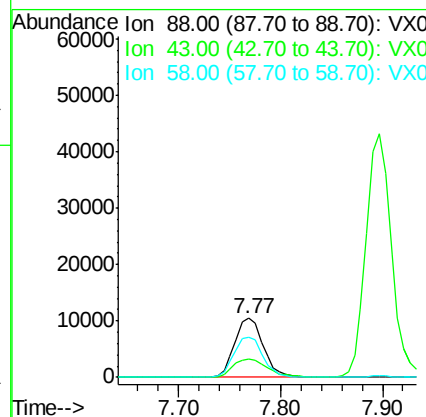
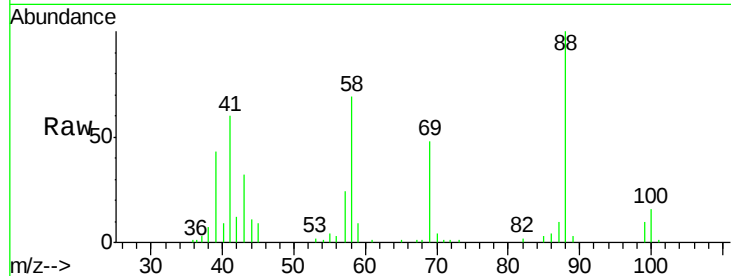
#49
1,4-Dioxane
Concen: 476.72 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	27.9	41.9
58	69.6	54.2	81.2

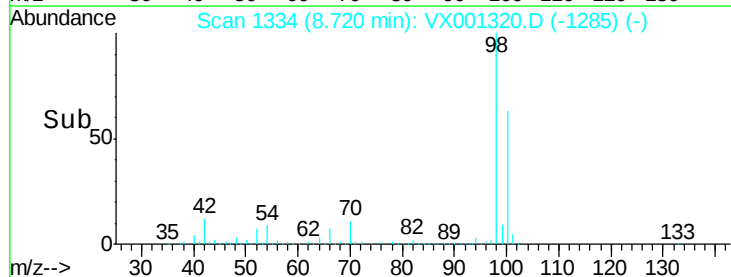
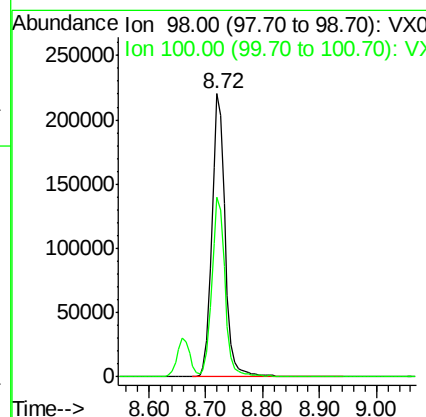
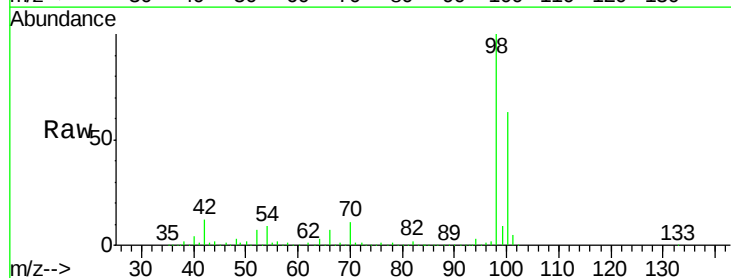
Manual Integrations
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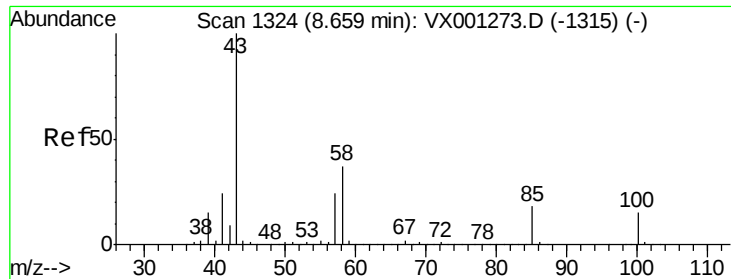
MMDadoda
5/3/2018 12:21:19 PM



#50
Toluene-d8
Concen: 51.06 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 112.26 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion: 43 Resp: 310001

Ion Ratio Lower Upper

43 100

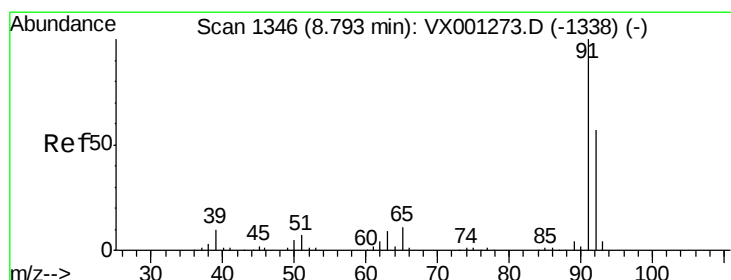
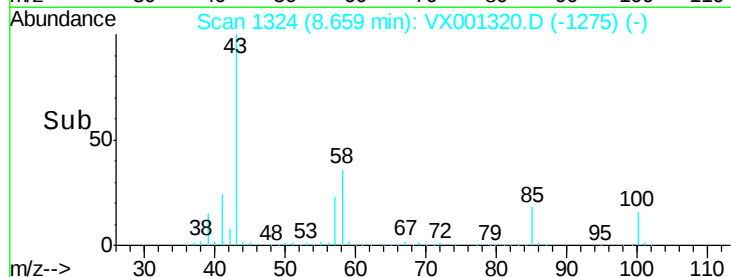
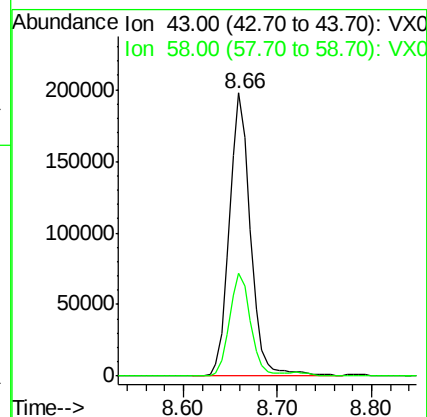
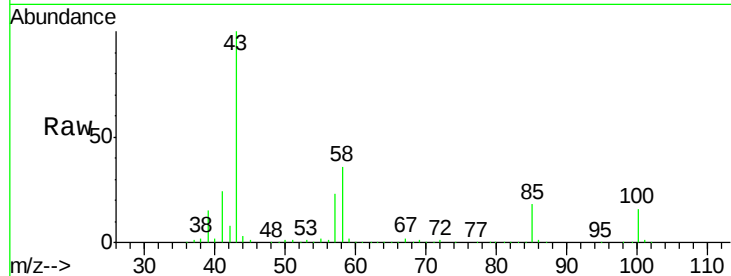
58 36.0 29.0 43.6

Manual Integrations

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#52

Toluene

Concen: 20.31 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001320.D

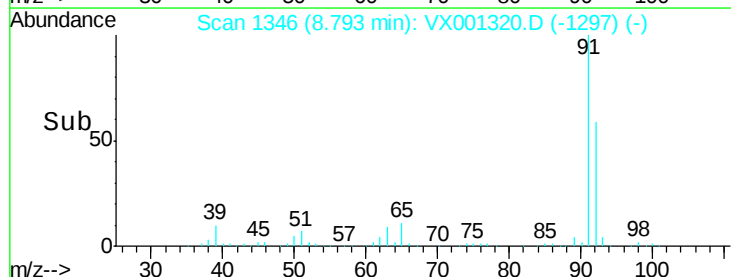
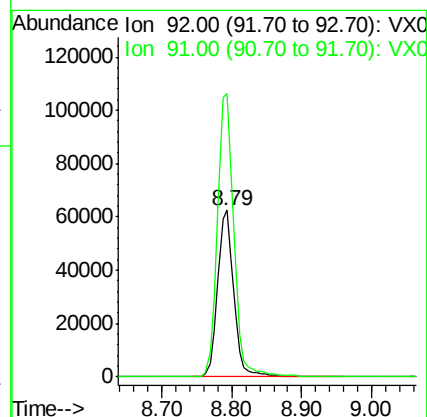
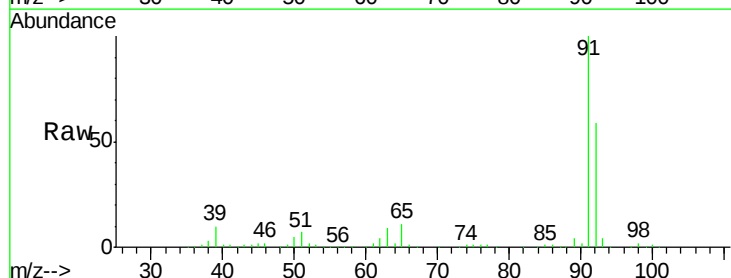
Acq: 02 May 2018 16:40

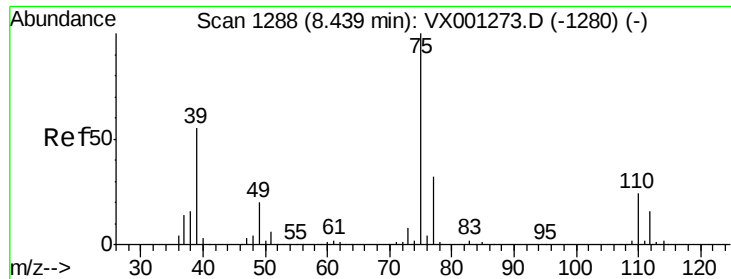
Tgt Ion: 92 Resp: 100051

Ion Ratio Lower Upper

92 100

91 174.1 139.0 208.6





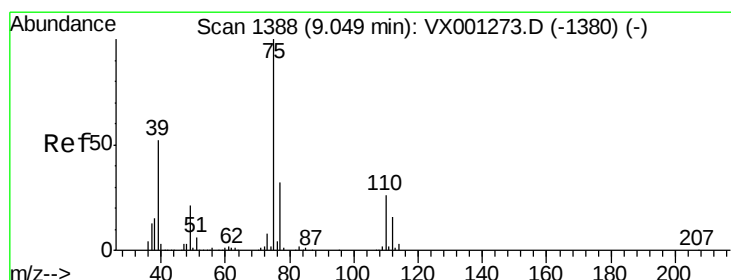
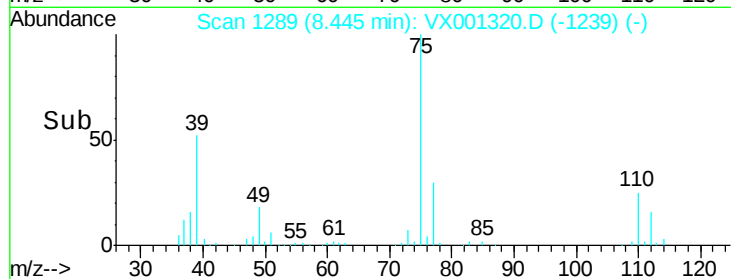
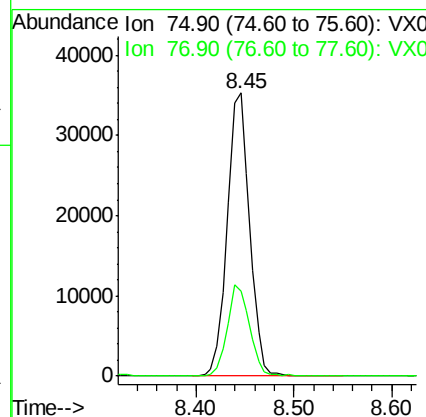
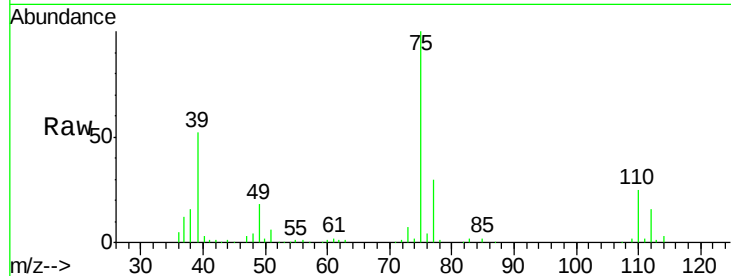
#53
 t-1,3-Dichloropropene
 Concen: 19.39 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. 0.01 min
 Lab File: VX001320.D
 Acq: 02 May 2018 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD01

Tot Ion: 75 Resp: 55936
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.6 38.4

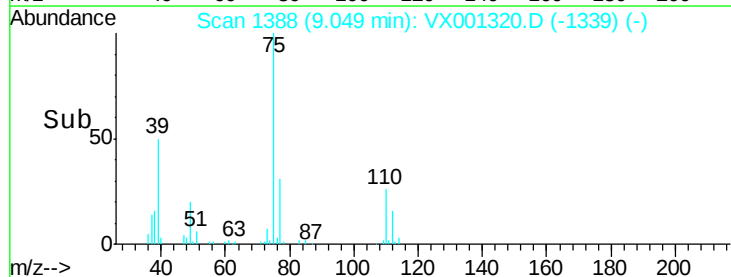
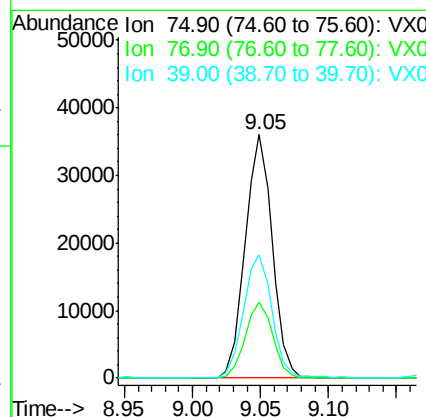
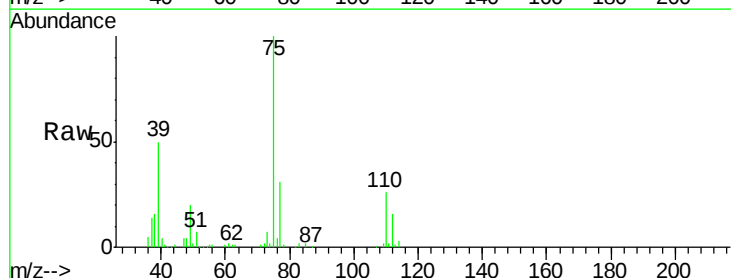
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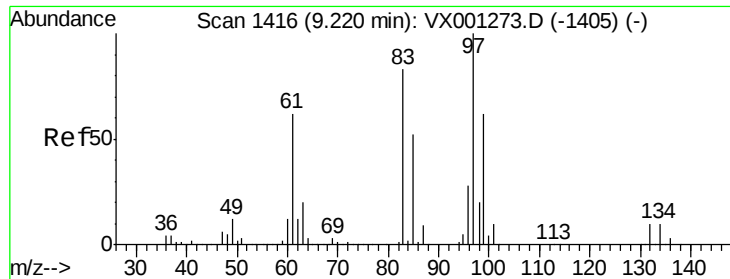
MMDadoda
 5/3/2018 12:21:19 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.94 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001320.D
 Acq: 02 May 2018 16:40

Tgt Ion: 75 Resp: 50277
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.5 38.3
 39 50.3 41.9 62.9





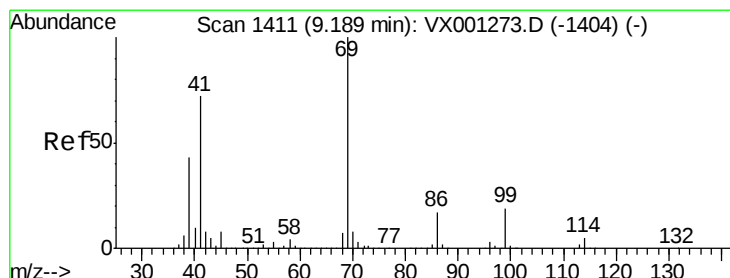
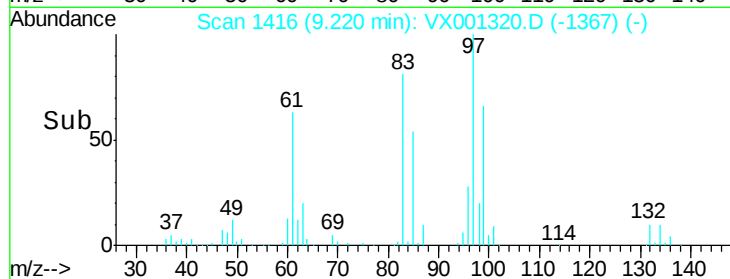
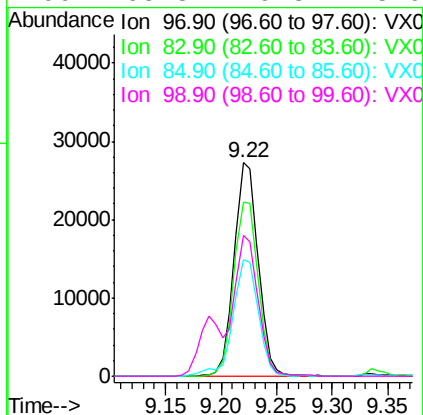
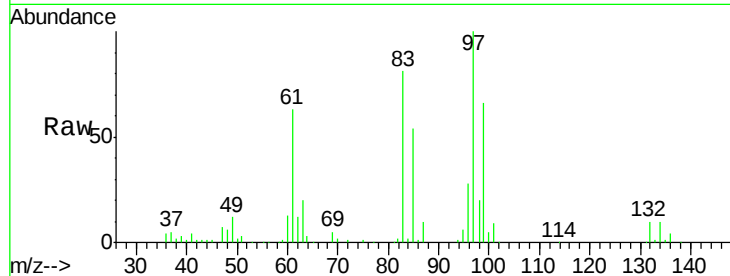
#55
 1,1,2-Trichloroethane
 Concen: 20.59 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001320.D
 Acq: 02 May 2018 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		40987		
83	81.5	66.4	99.6		
85	54.3	41.6	62.4		
99	65.8	49.3	73.9		

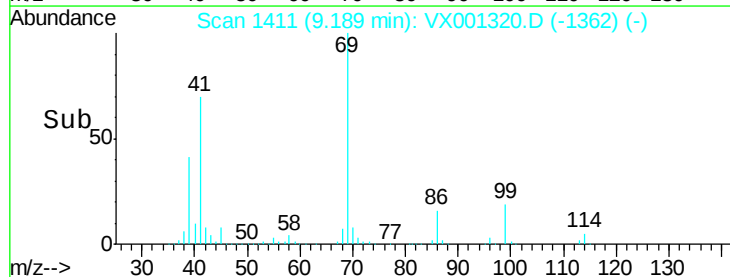
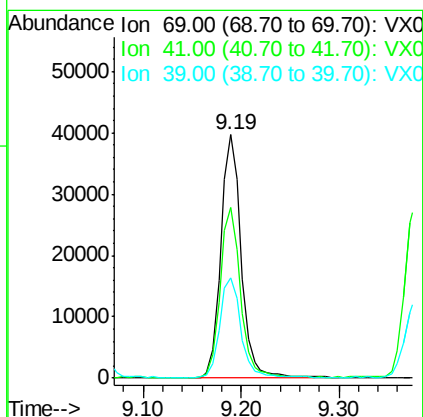
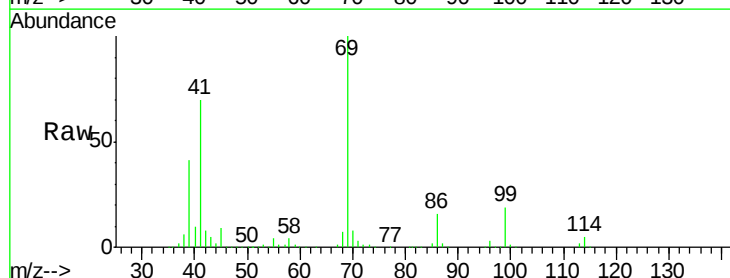
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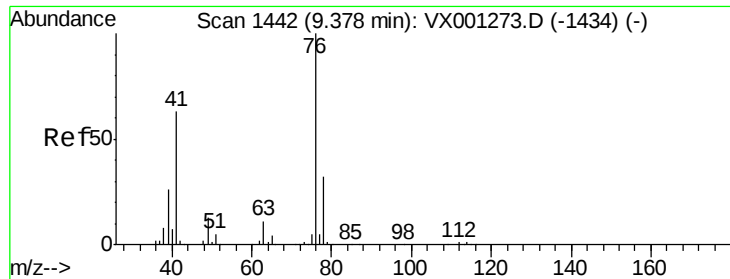
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#56
 Ethyl methacrylate
 Concen: 20.89 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001320.D
 Acq: 02 May 2018 16:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		57603		
41	69.5	57.2	85.8		
39	43.6	34.3	51.5		





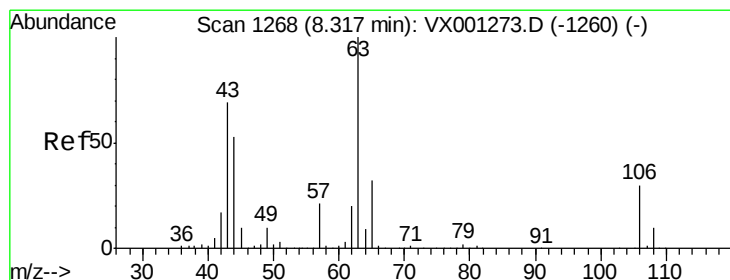
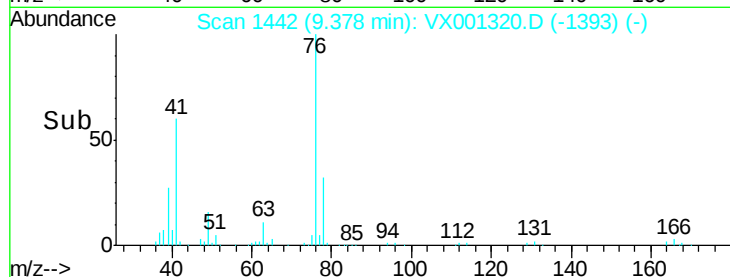
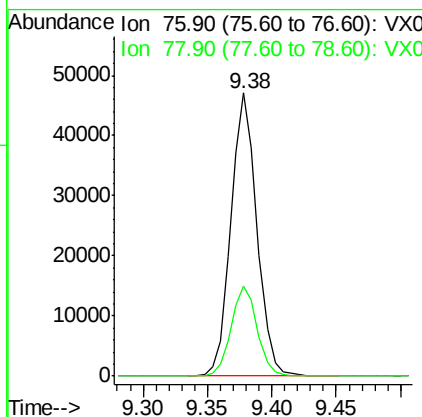
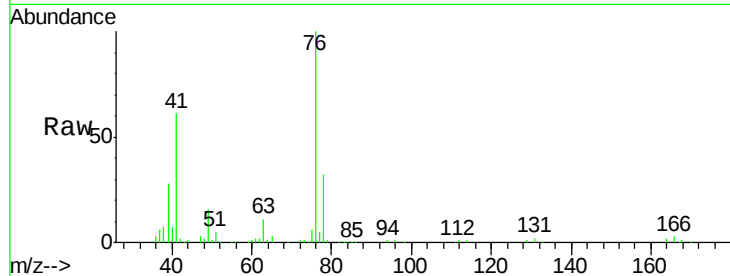
#57
 1,3-Dichloropropane
 Concen: 20.73 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001320.D
 Acq: 02 May 2018 16:40

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0502WBSD01

Tot Ion: 76 Resp: 66358
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4

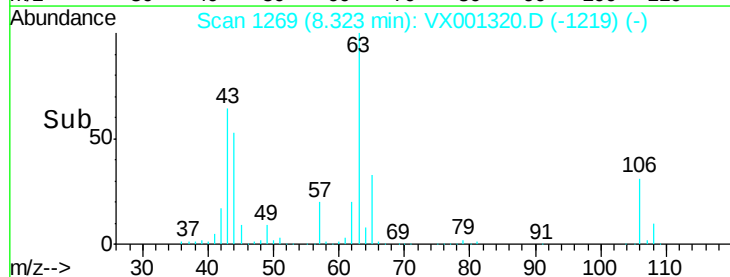
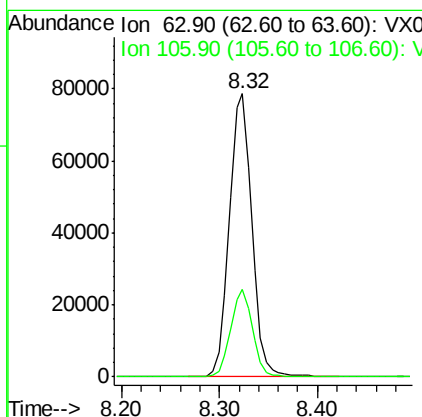
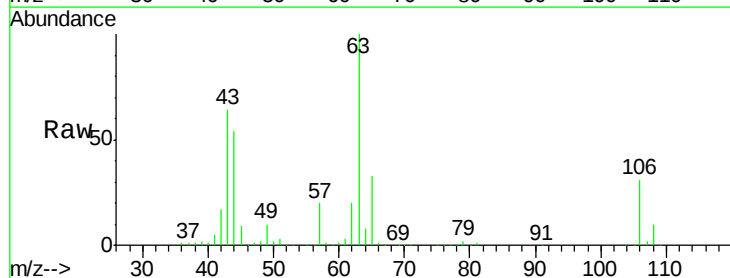
Manual Integrations
 APPROVED

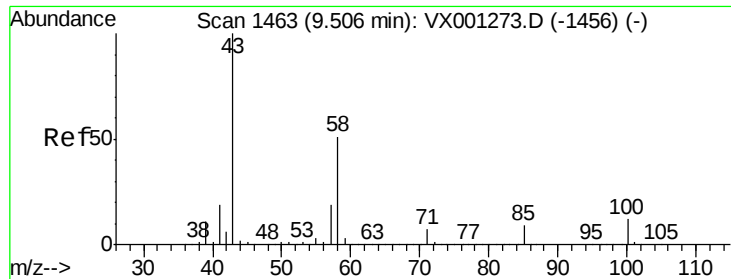
MMDadoda
 5/3/2018 12:21:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.44 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VX001320.D
 Acq: 02 May 2018 16:40

Tgt Ion: 63 Resp: 125653
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.6





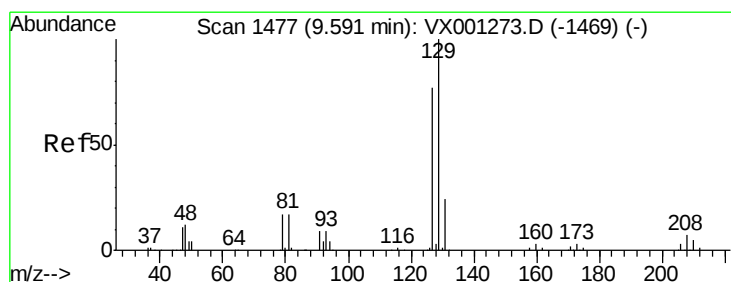
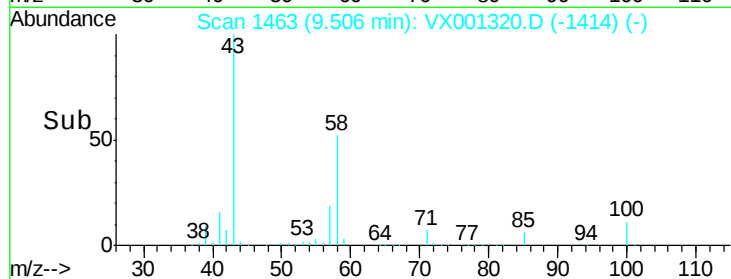
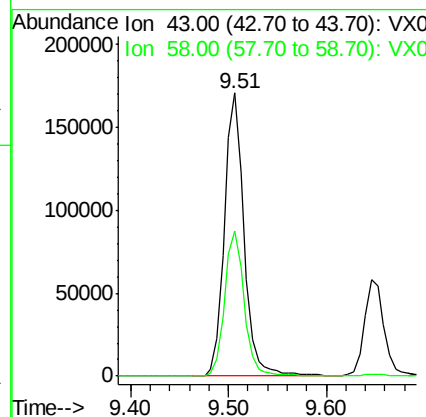
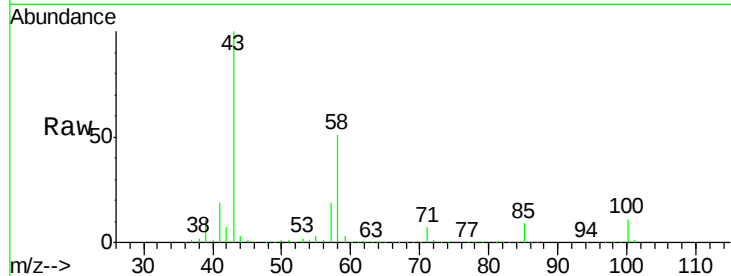
#59
2-Hexanone
Concen: 110.05 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion: 43 Resp: 237523
Ion Ratio Lower Upper
43 100
58 51.4 25.7 77.0

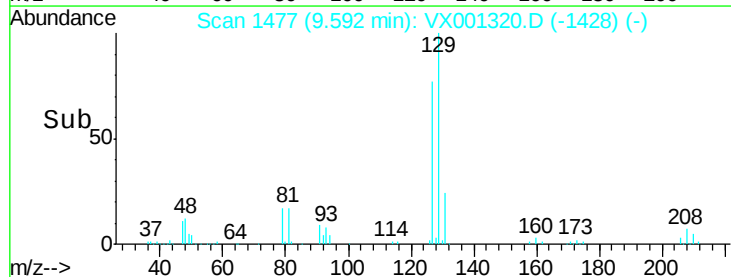
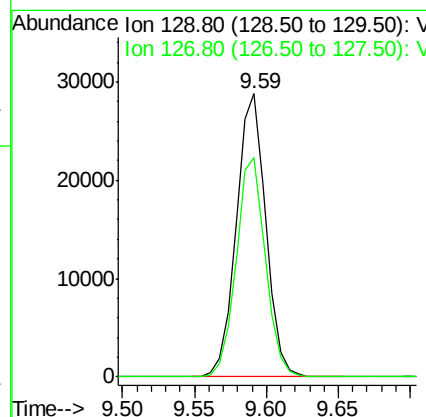
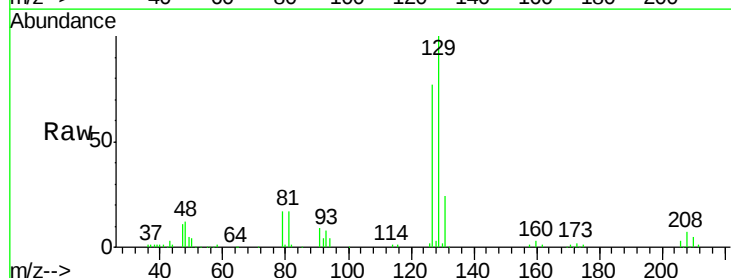
Manual Integrations
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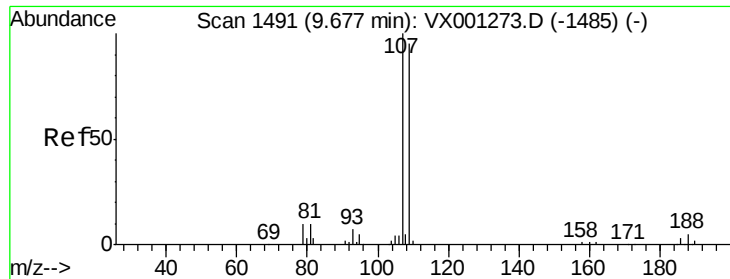
MMDadoda
5/3/2018 12:21:19 PM



#60
Dibromochloromethane
Concen: 19.80 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion: 129 Resp: 41099
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 20.48 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

ClientSampled :

VX0502WBSD01

Tot Ion:107 Resp: 43200

Ion Ratio Lower Upper

107 100

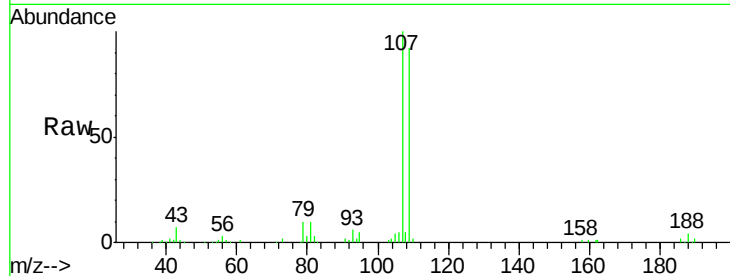
109 94.4 75.4 113.2

Manual Integrations

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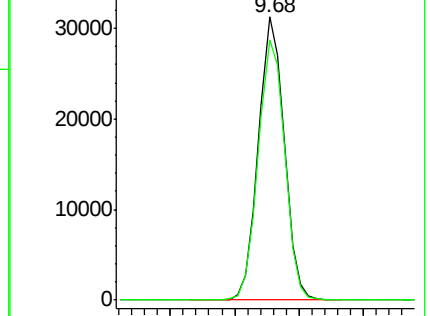
MMDadoda

5/3/2018 12:21:19 PM

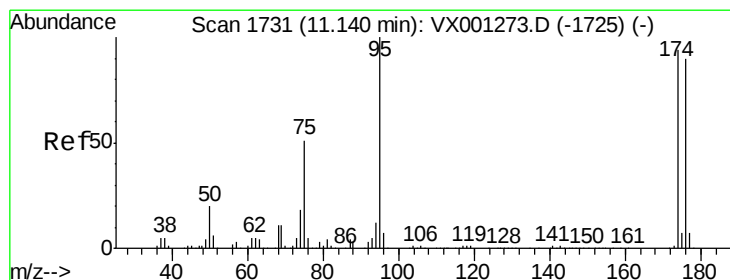
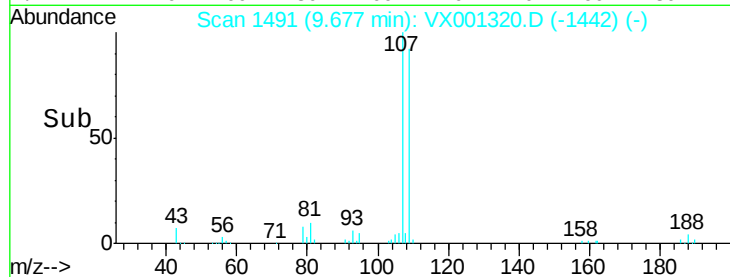


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 46.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

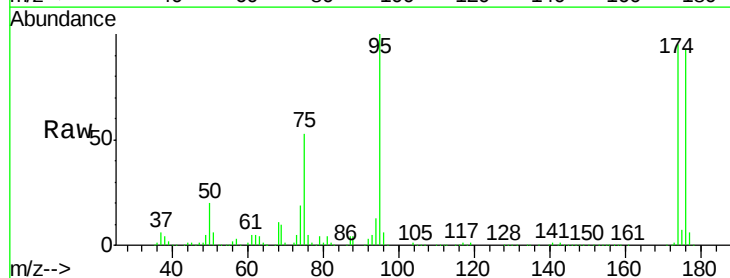
Tgt Ion: 95 Resp: 129622

Ion Ratio Lower Upper

95 100

174 104.9 0.0 201.8

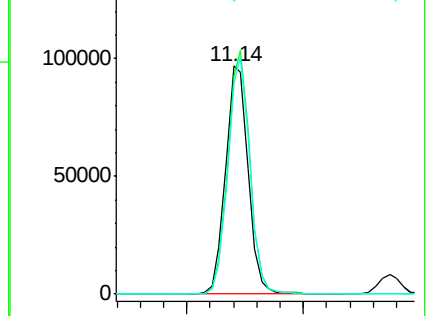
176 101.4 0.0 197.2



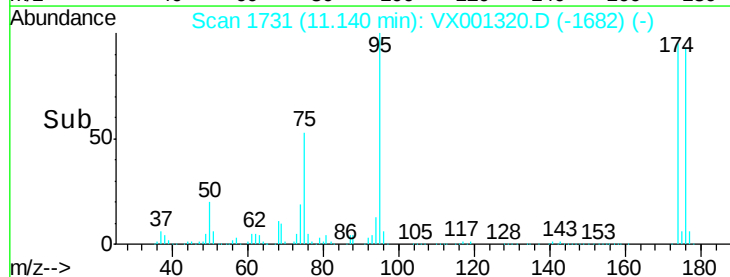
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





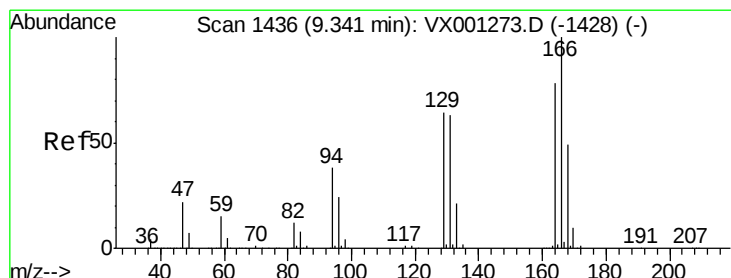
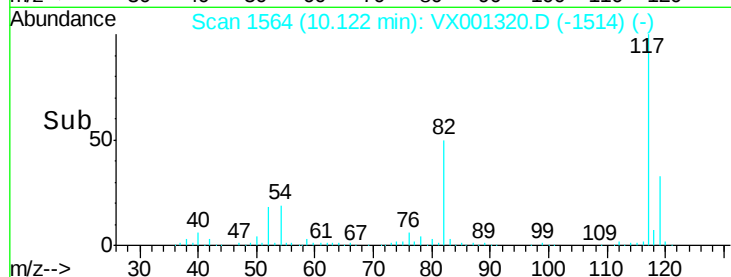
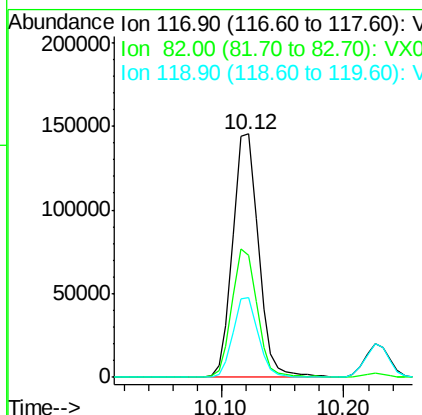
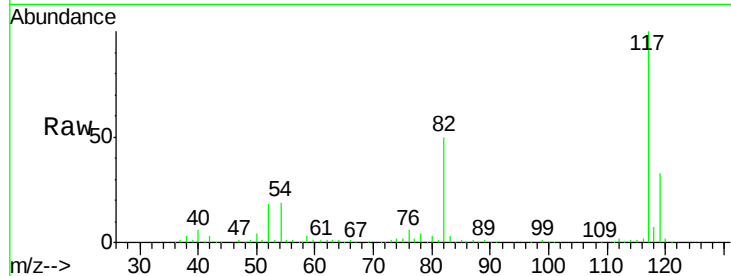
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.4	62.0
119	32.6	25.5	38.3

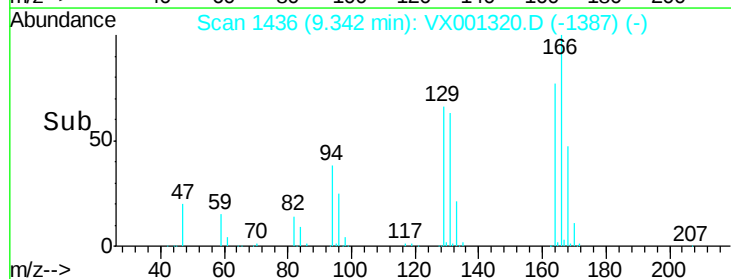
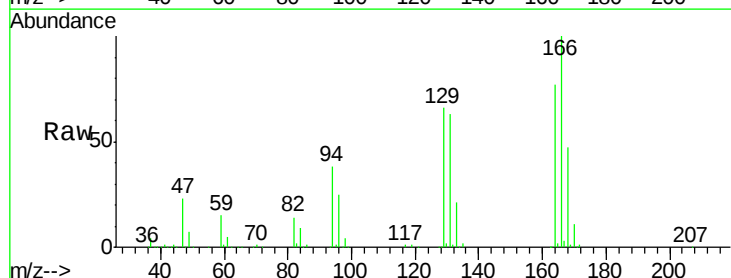
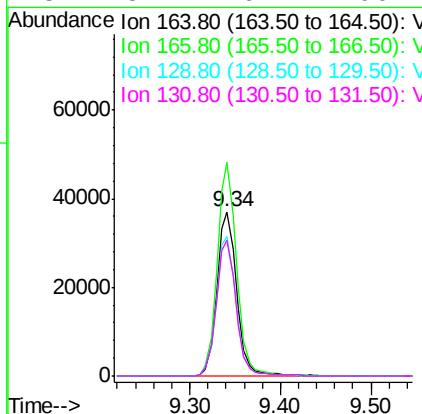
Manual Integrations
APPROVED

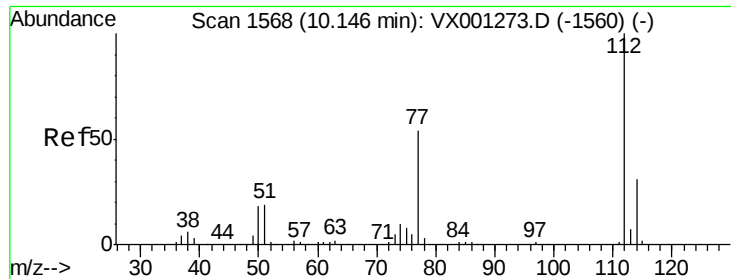
MMDadoda
5/3/2018 12:21:19 PM



#64
Tetrachloroethene
Concen: 22.45 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	102.3	153.5
129	85.4	65.1	97.7
131	82.7	64.2	96.4





#65

Chlorobenzene

Concen: 20.05 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion:112 Resp: 115778

Ion Ratio Lower Upper

112 100

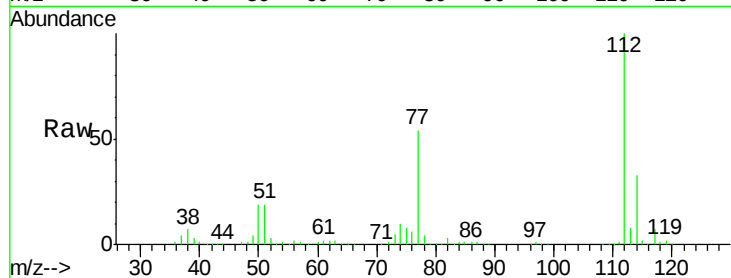
114 32.5 24.8 37.2

Manual Integrations

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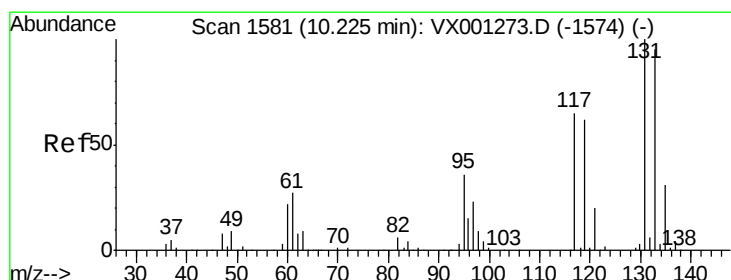
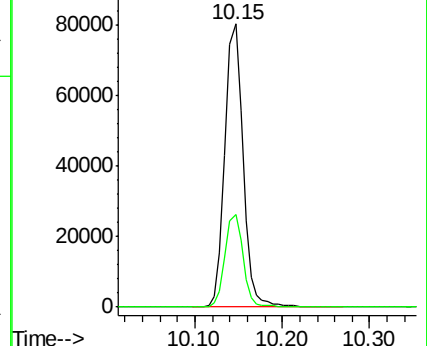
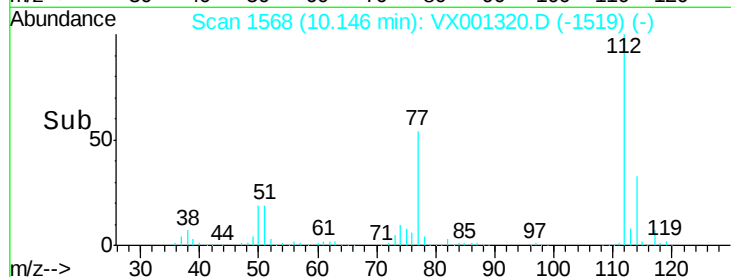
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.64 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

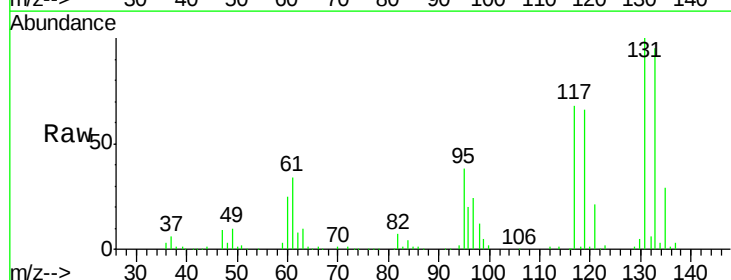
Tgt Ion:131 Resp: 41355

Ion Ratio Lower Upper

131 100

133 95.6 48.3 144.9

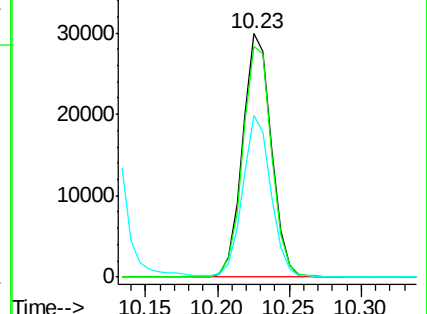
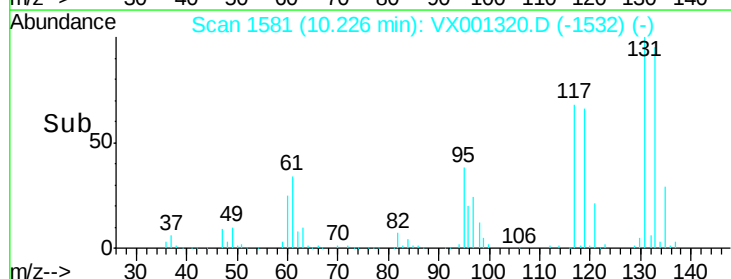
119 65.4 31.2 93.6

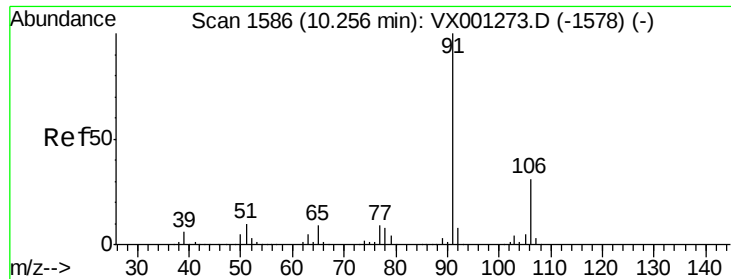


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





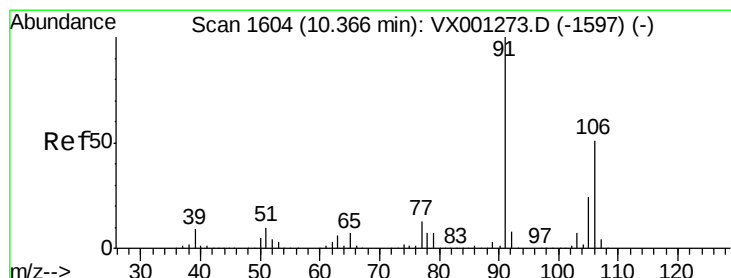
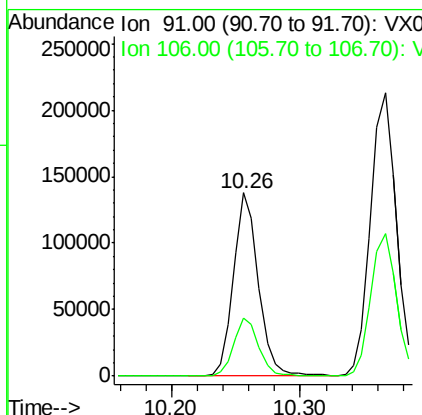
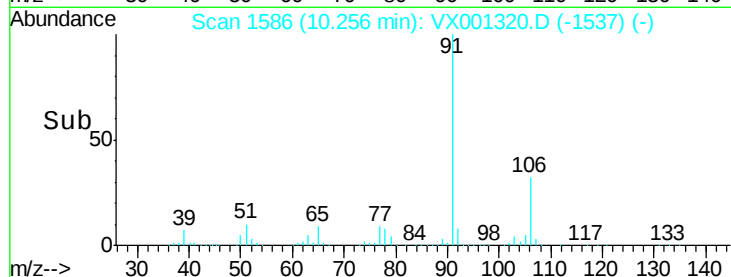
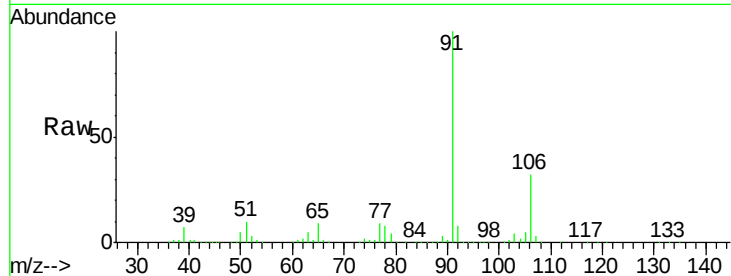
#67
Ethyl Benzene
Concen: 19.68 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion: 91 Resp: 187260
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3

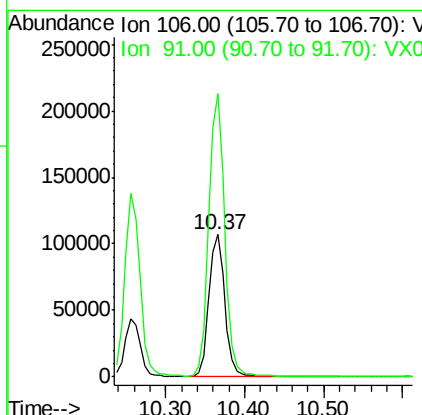
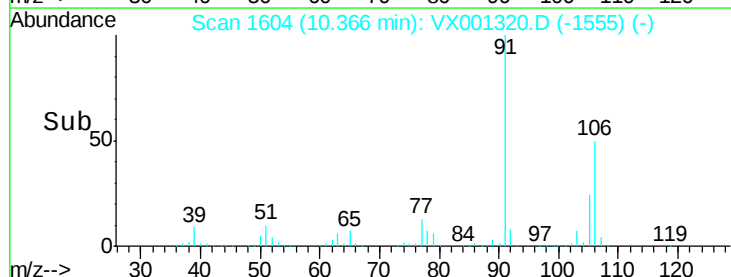
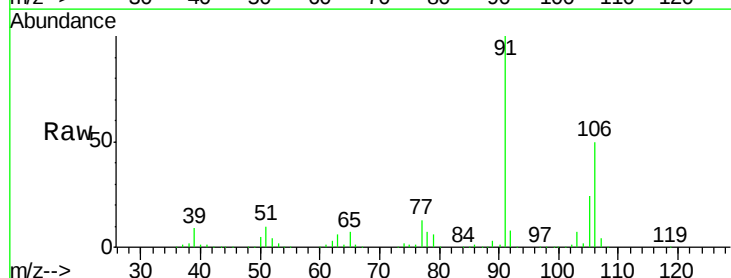
Manual Integrations
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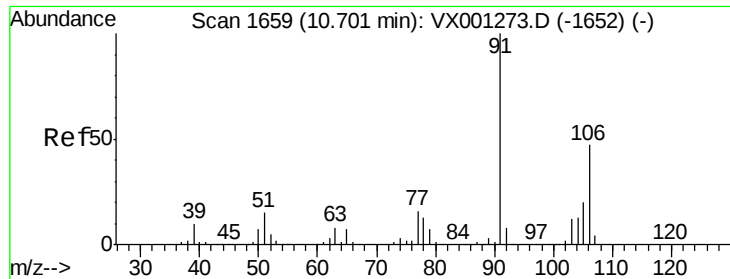
MMDadoda
5/3/2018 12:21:19 PM



#68
m/p-Xylenes
Concen: 40.20 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion: 106 Resp: 150505
Ion Ratio Lower Upper
106 100
91 198.8 159.4 239.2





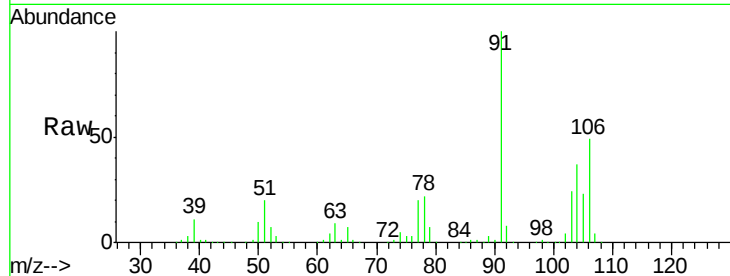
#69
o-Xylene
Concen: 20.26 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

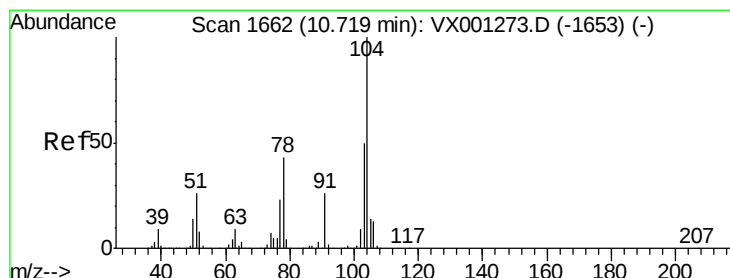
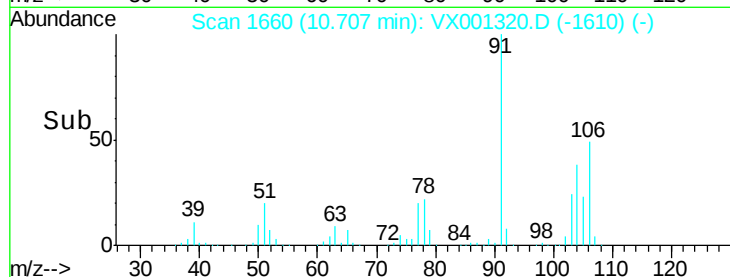
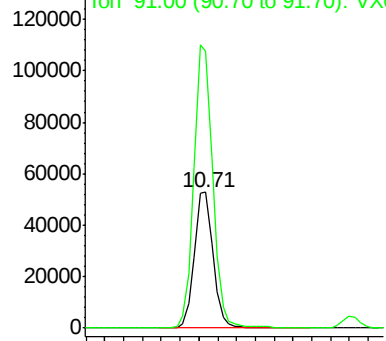
Tot Ion:106 Resp: 73556
Ion Ratio Lower Upper
106 100
91 208.4 106.3 319.0

Manual Integrations
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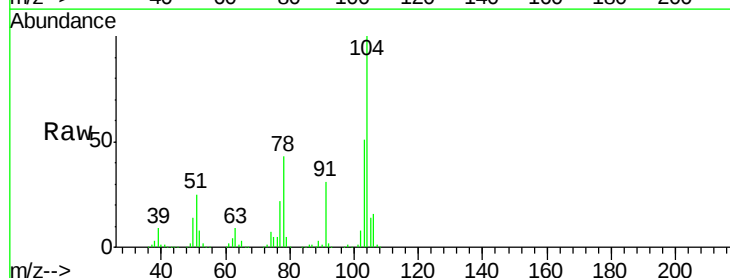


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

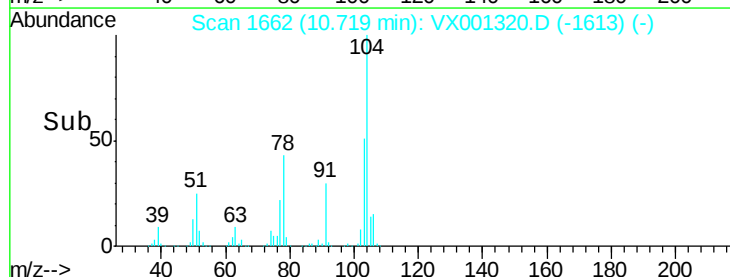
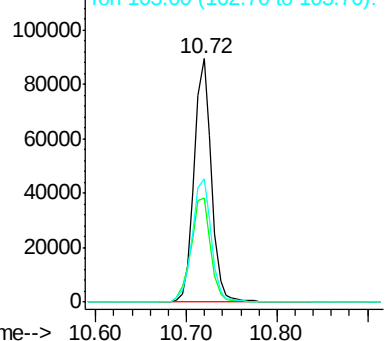


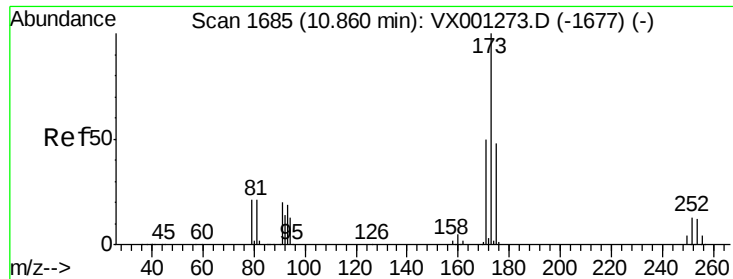
#70
Styrene
Concen: 20.04 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion:104 Resp: 118990
Ion Ratio Lower Upper
104 100
78 49.0 40.1 60.1
103 56.5 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: 19.50 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion:173 Resp: 32719

Ion Ratio Lower Upper

173 100

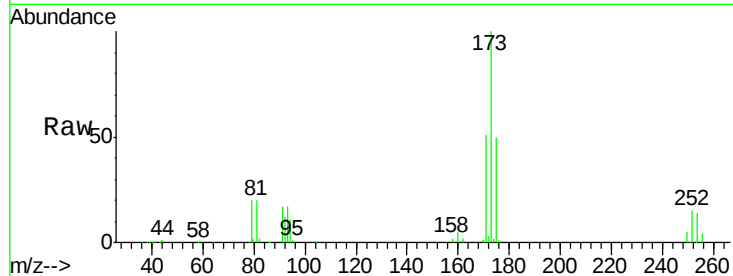
175 48.6 24.6 74.0

254 0.0 0.2 0.2#

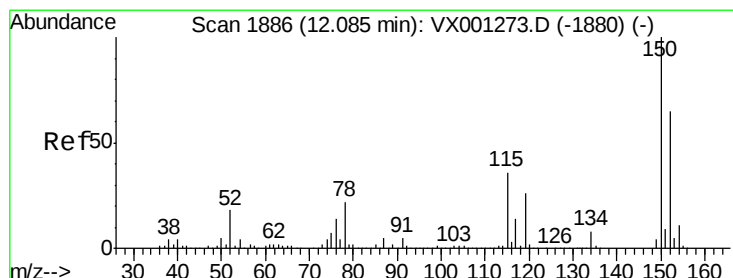
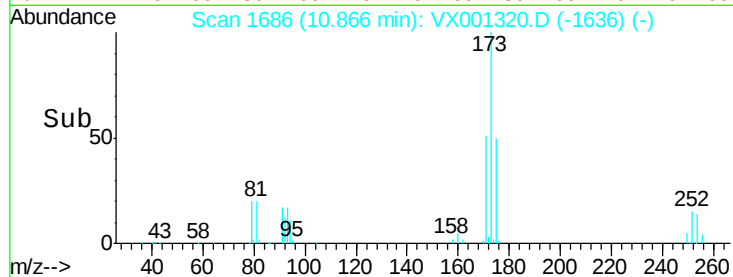
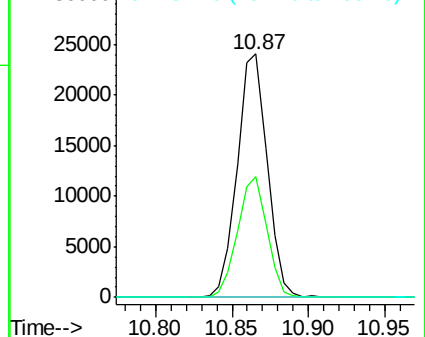
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

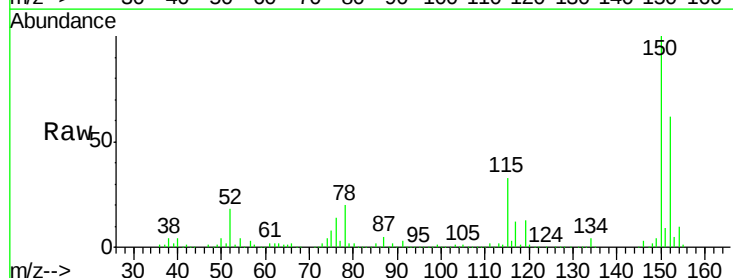
Tgt Ion:152 Resp: 142608

Ion Ratio Lower Upper

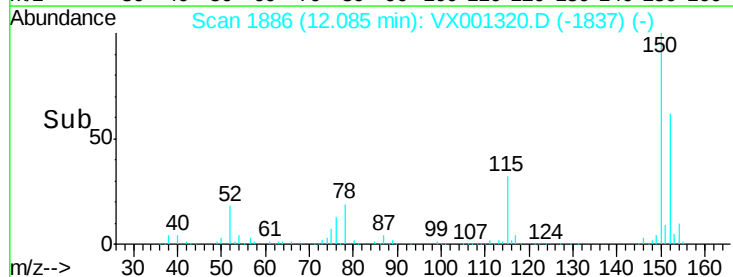
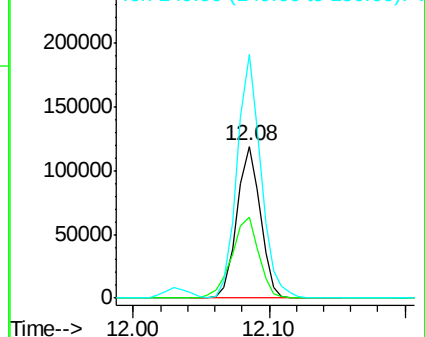
152 100

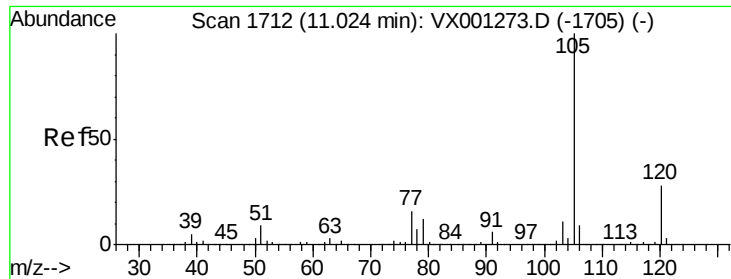
115 61.9 38.6 115.7

150 163.9 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





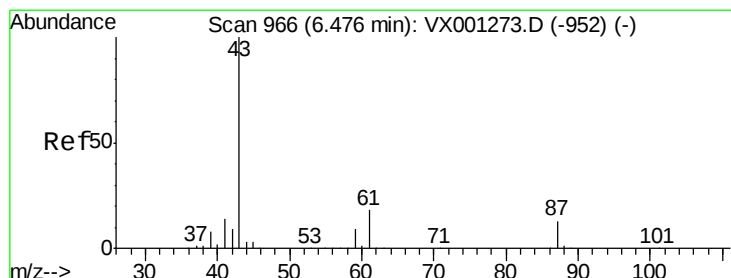
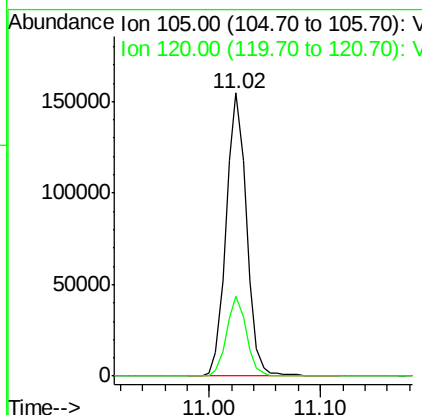
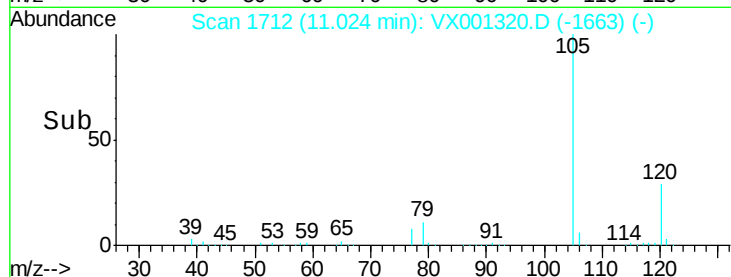
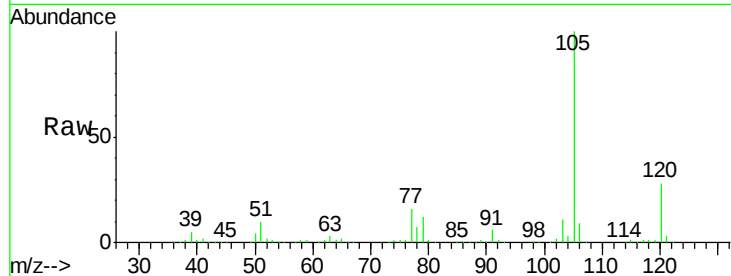
#73
Isopropylbenzene
Concen: 20.54 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampled :
VX0502WBSD01

Tot Ion: 105 Resp: 195963
Ion Ratio Lower Upper
105 100
120 27.6 13.7 41.1

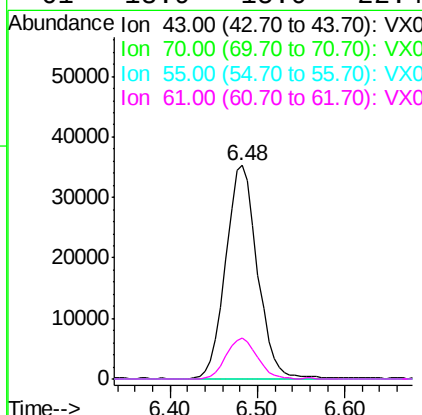
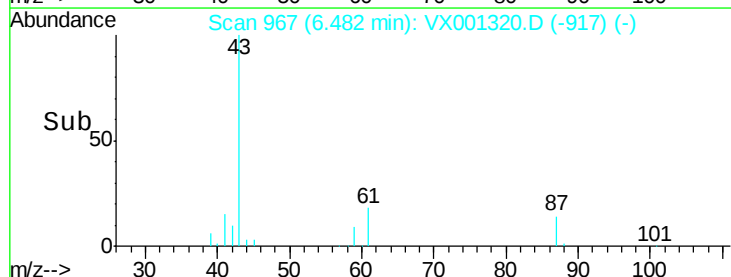
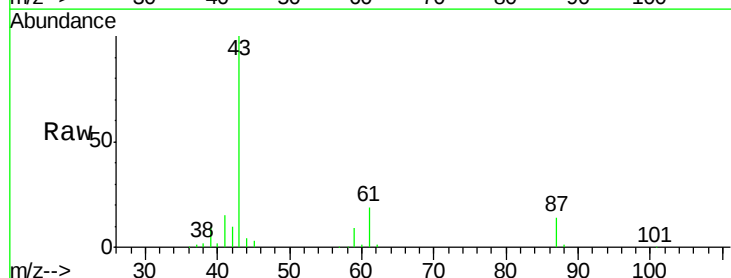
Manual Integrations
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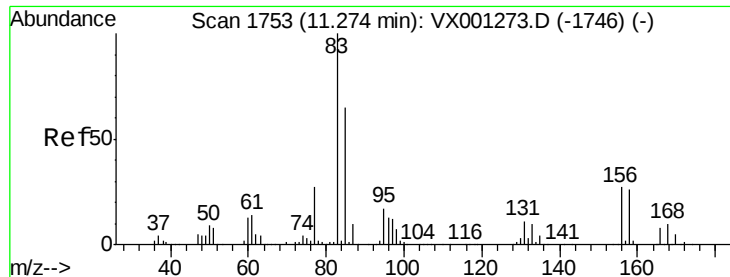
MMDadoda
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#74
N-ethyl acetate
Concen: 21.63 ug/l
RT: 6.48 min Scan# 967
Delta R.T. 0.01 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion: 43 Resp: 88532
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.1 0.1 0.1#
61 18.9 15.0 22.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.94 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

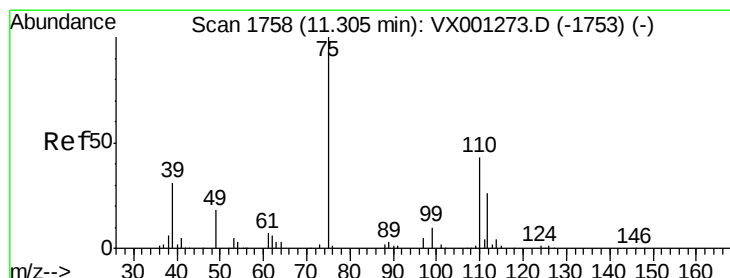
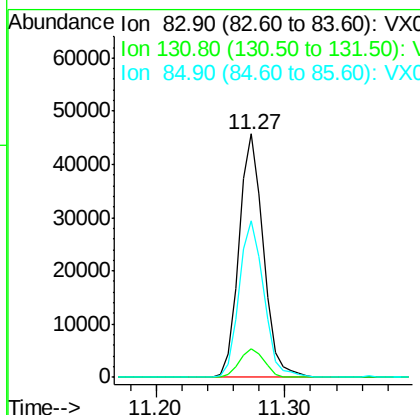
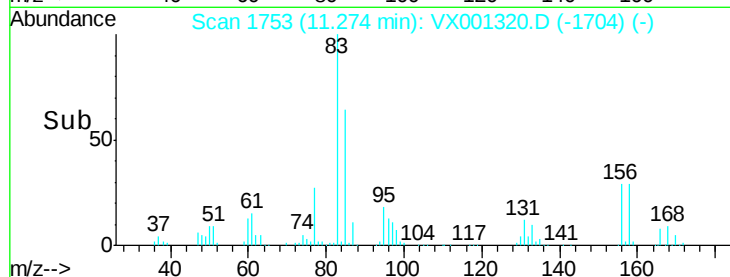
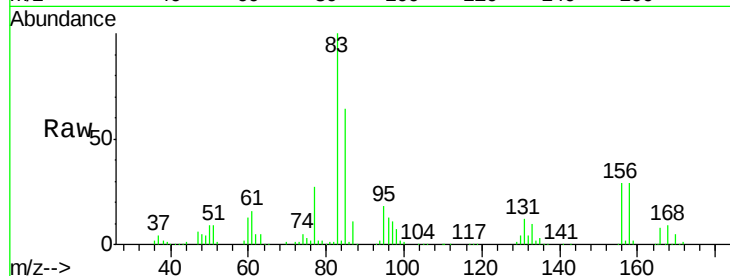
ClientSampleId :

VX0502WBSD01

Tot Ion:	83	Resp:	59839
Ion	Ratio	Lower	Upper
83	100		
131	12.1	5.8	17.3
85	65.9	32.6	97.7

Manual Integrations
APPROVED

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5/3/2018 12:21:19 PM



#76

1,2,3-Trichloropropane

Concen: 21.84 ug/l m

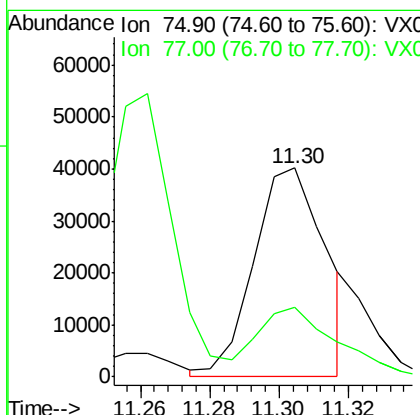
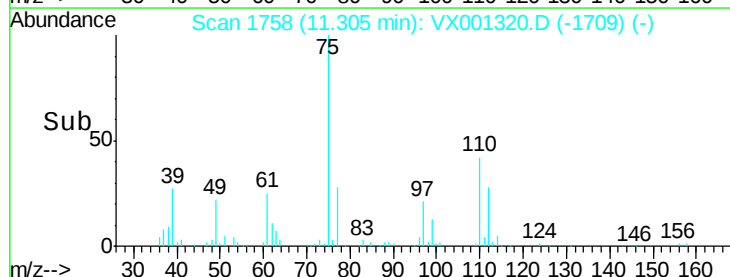
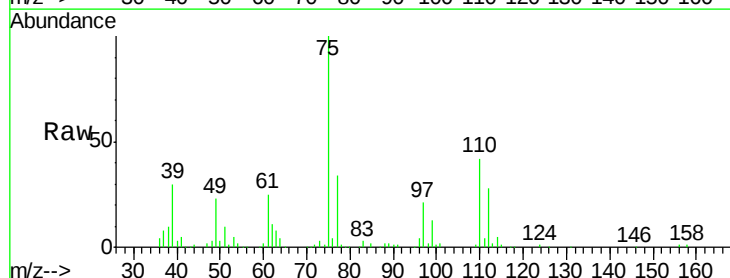
RT: 11.30 min Scan# 1758

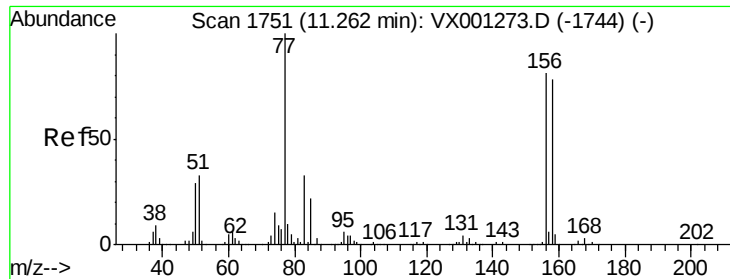
Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Tgt Ion:	75	Resp:	57586
Ion	Ratio	Lower	Upper
75	100		
77	36.7	18.9	56.5





#77

Bromobenzene

Concen: 20.93 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

ClientSampled :

VX0502WBSD01

Tot Ion:156 Resp: 57601

Ion Ratio Lower Upper

156 100

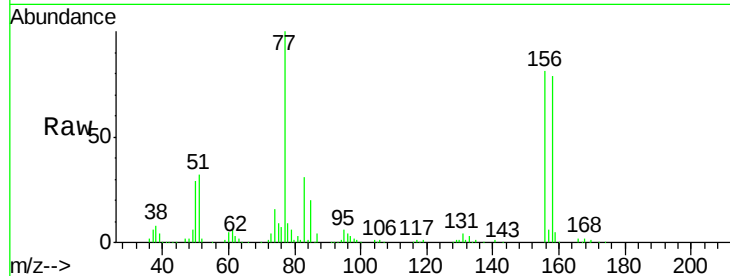
77 127.1 65.3 195.8

158 97.5 48.5 145.5

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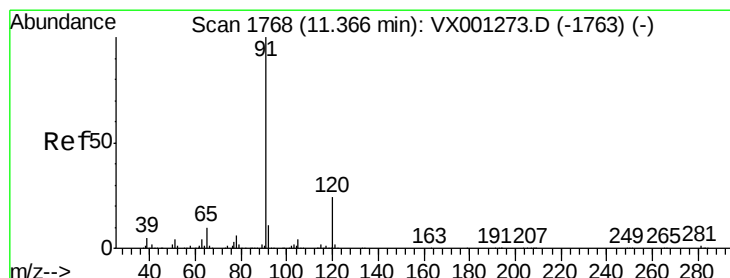
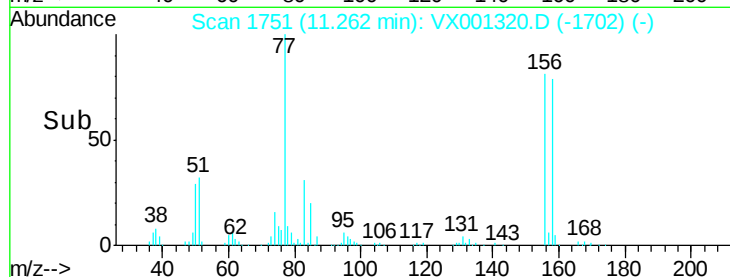
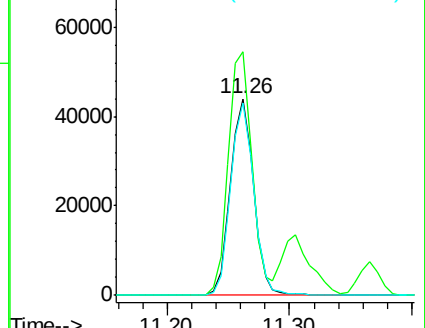
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.47 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001320.D

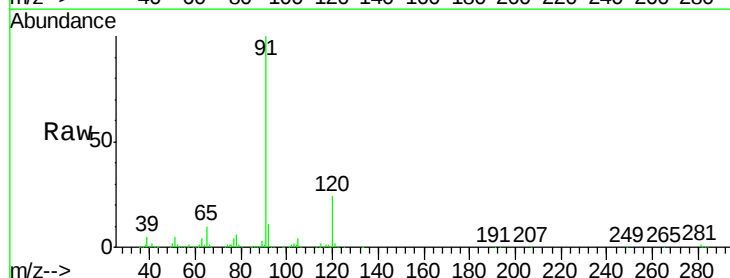
Acq: 02 May 2018 16:40

Tgt Ion: 91 Resp: 217044

Ion Ratio Lower Upper

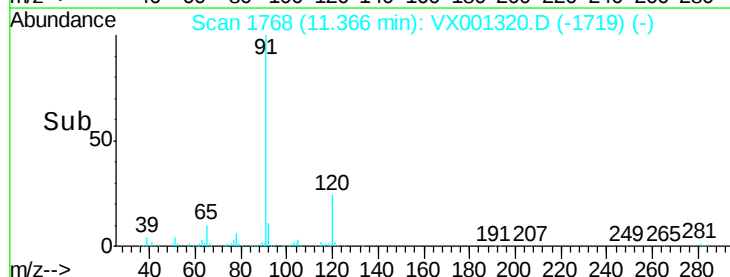
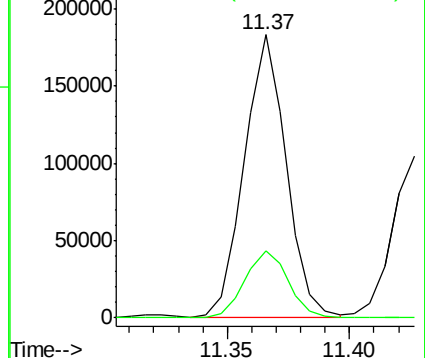
91 100

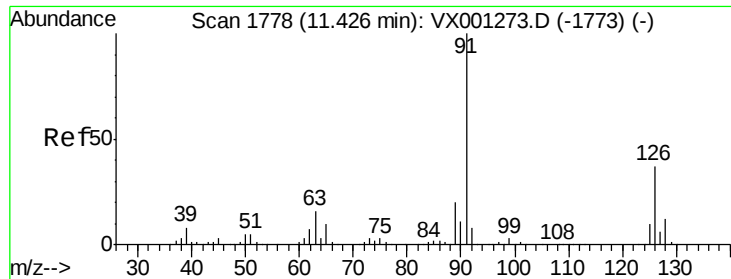
120 25.0 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.48 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBSD01

Tot Ion: 91 Resp: 131025

Ion Ratio Lower Upper

91 100

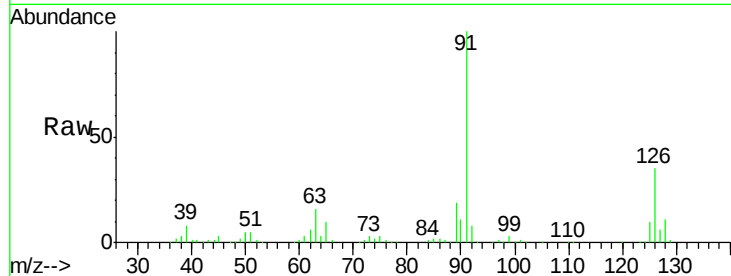
126 36.9 18.4 55.4

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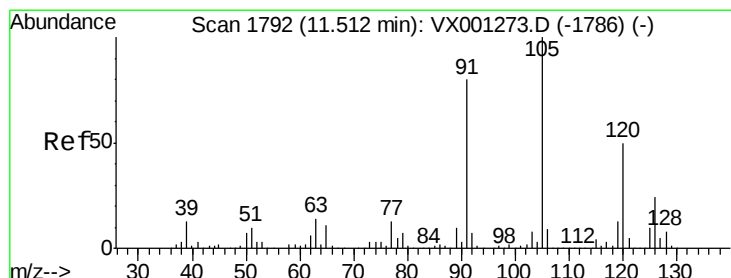
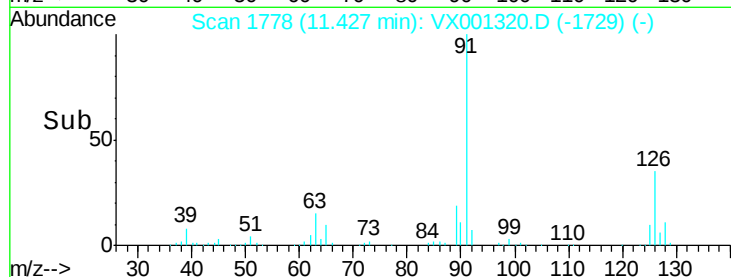
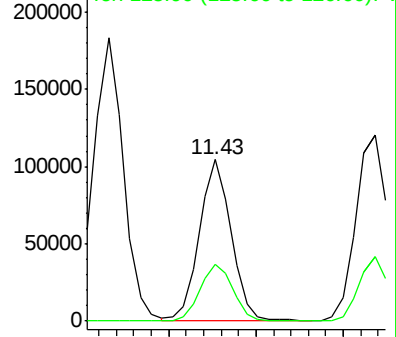
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.78 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001320.D

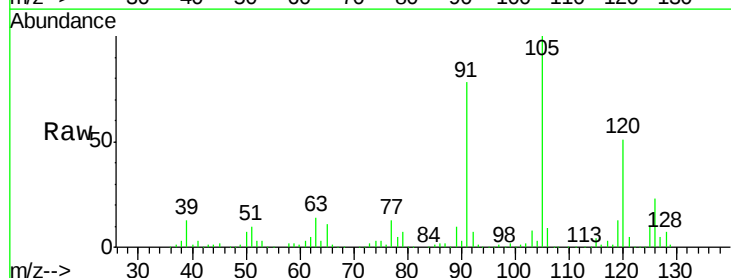
Acq: 02 May 2018 16:40

Tgt Ion:105 Resp: 166477

Ion Ratio Lower Upper

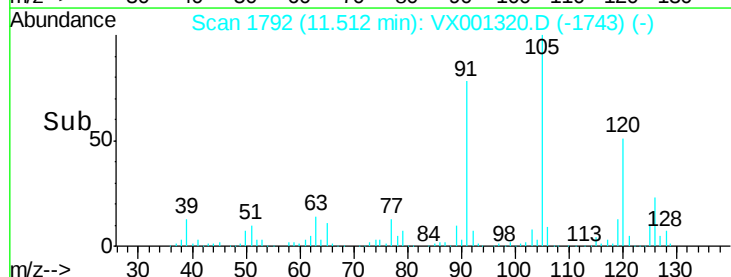
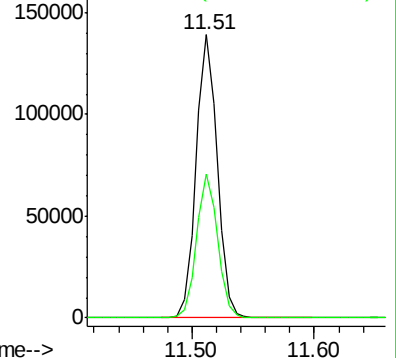
105 100

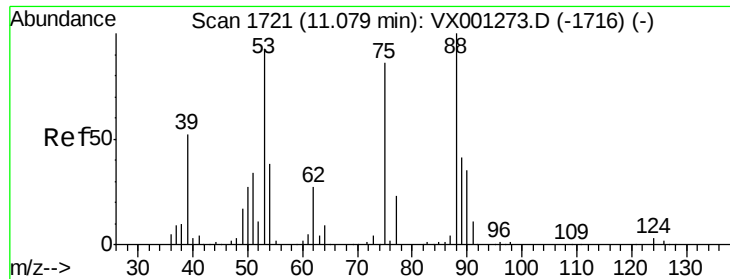
120 50.7 24.6 74.0



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: 18.88 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

ClientSampled :

VX0502WBSD01

Tot Ion: 75 Resp: 12935

Ion Ratio Lower Upper

75 100

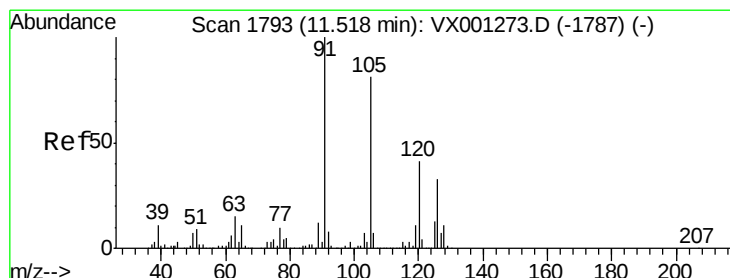
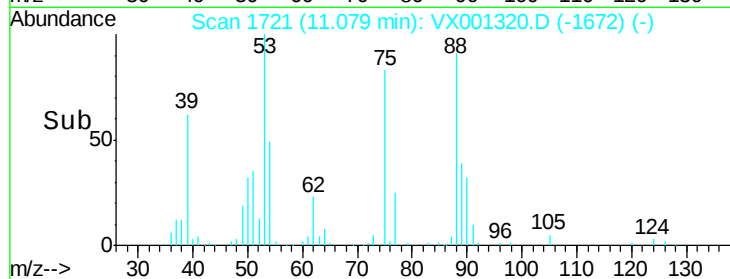
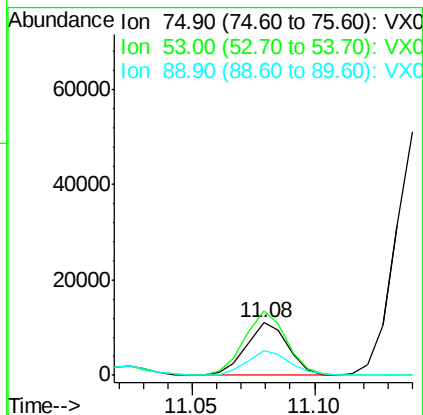
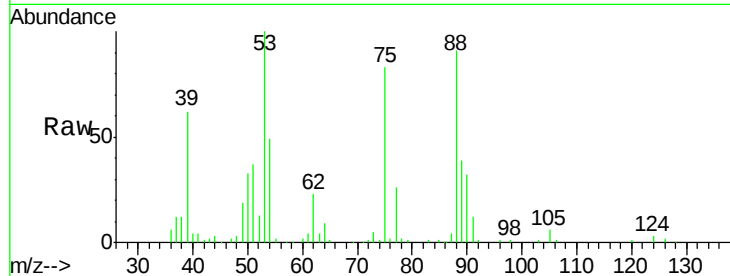
53 126.3 87.1 130.7

89 50.7 38.9 58.3

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#82

4-Chlorotoluene

Concen: 19.95 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001320.D

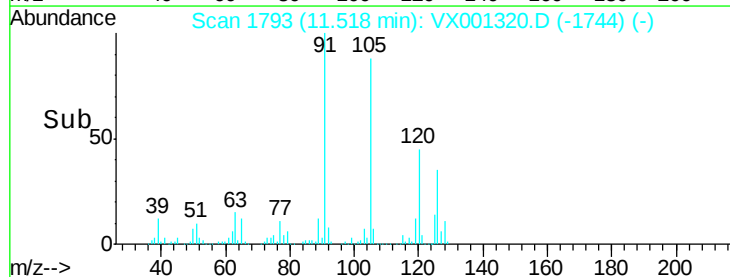
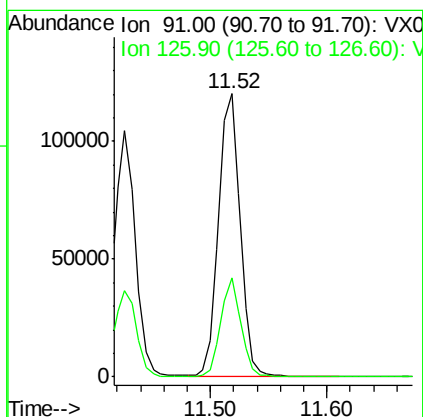
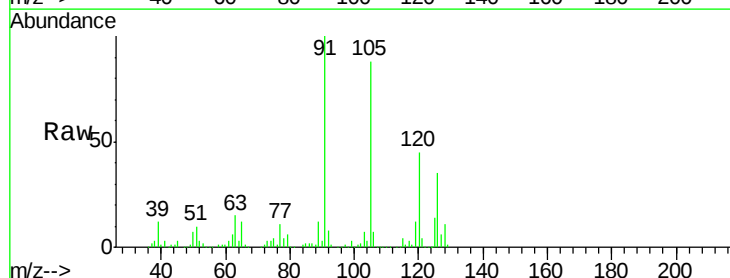
Acq: 02 May 2018 16:40

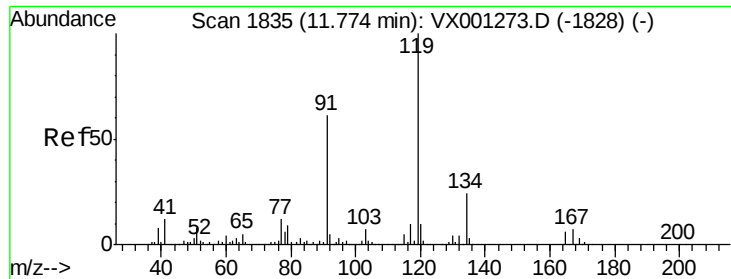
Tgt Ion: 91 Resp: 153479

Ion Ratio Lower Upper

91 100

126 32.7 16.1 48.2





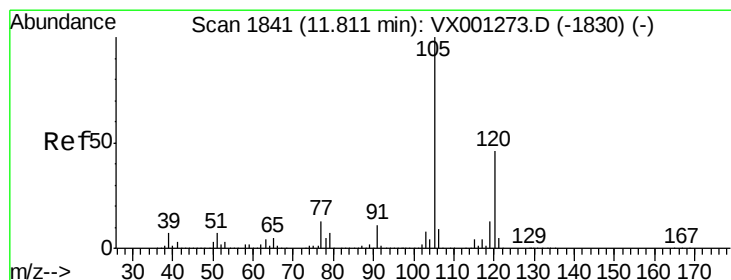
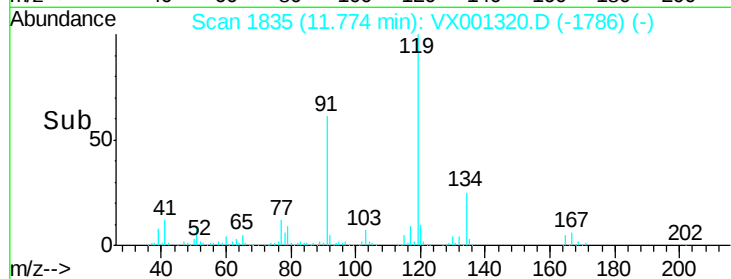
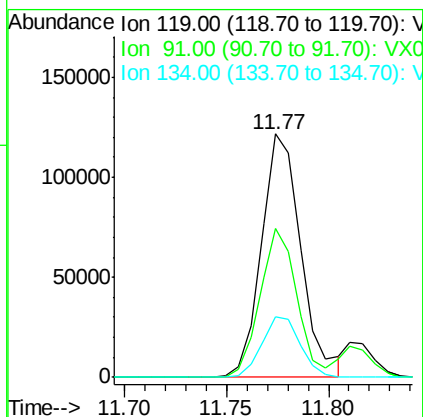
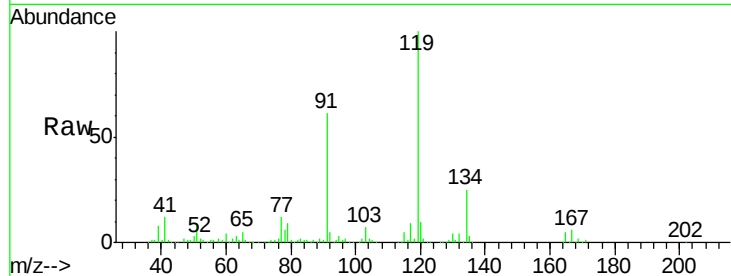
#83
tert-Butylbenzene
Concen: 20.56 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.0	28.1	84.3
134	24.4	11.8	35.3

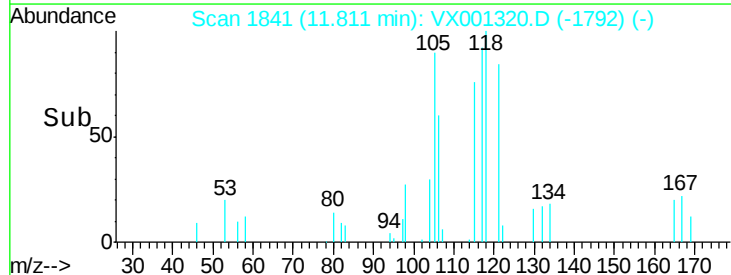
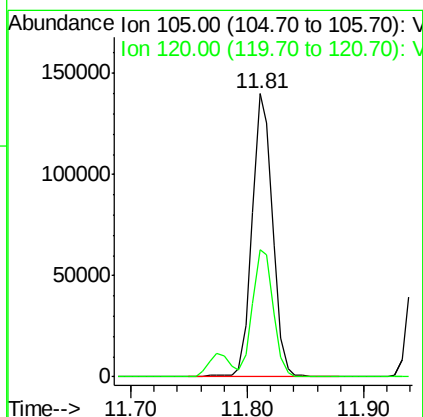
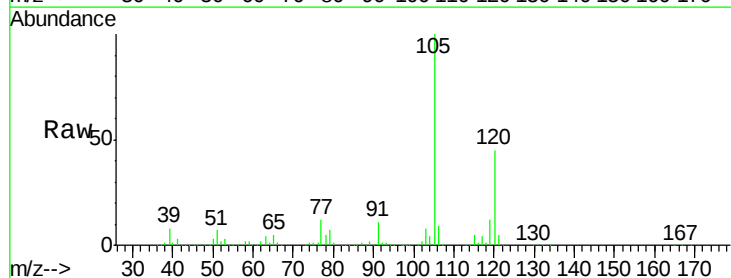
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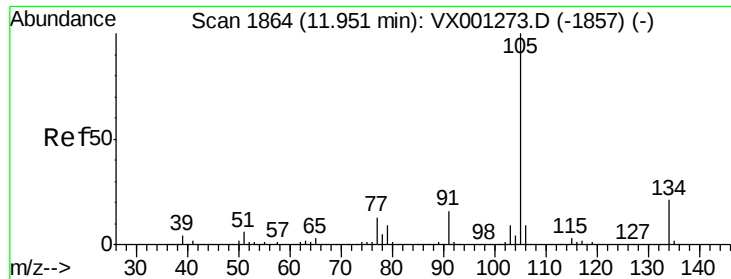
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.95 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.7	68.1





#85

sec-Butylbenzene

Concen: 20.86 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

Instrument :

MSVOA_X

ClientSampled :

VX0502WBSD01

Tot Ion:105 Resp: 199383

Ion Ratio Lower Upper

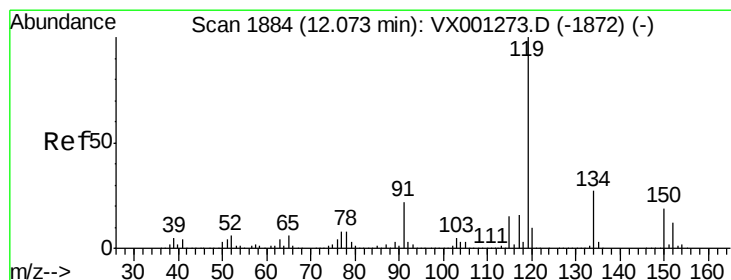
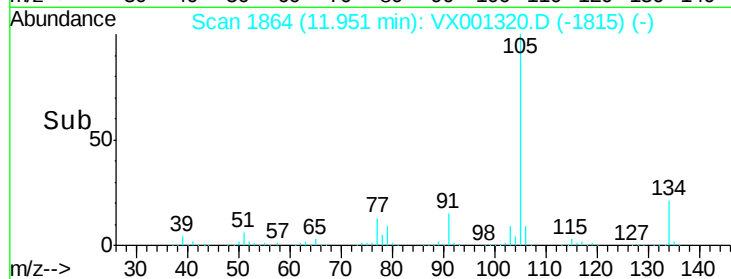
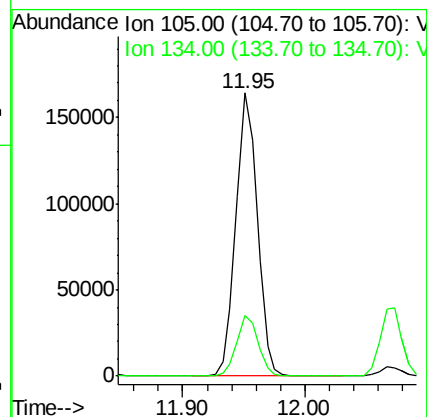
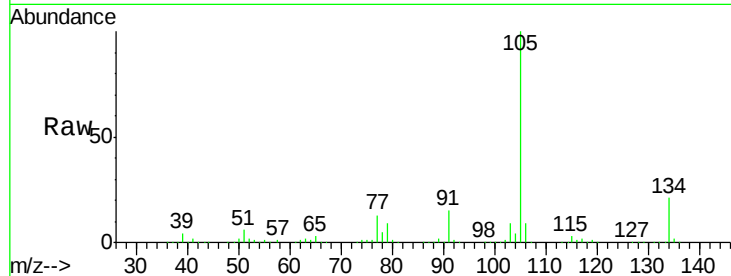
105 100

134 21.3 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 20.62 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001320.D

Acq: 02 May 2018 16:40

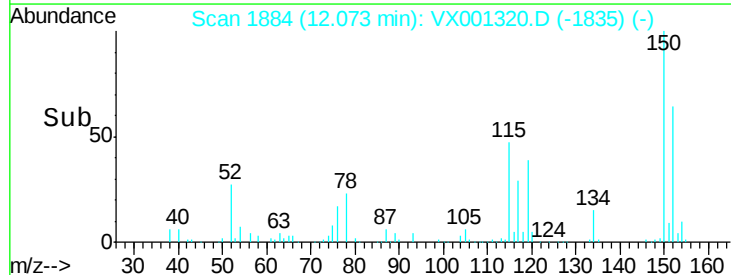
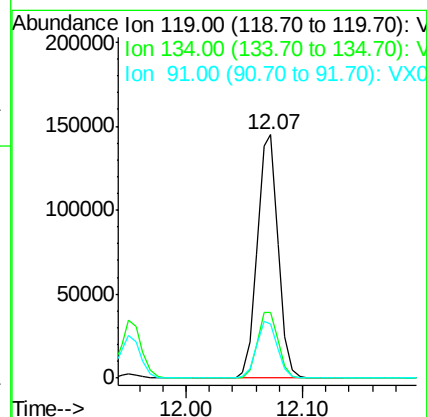
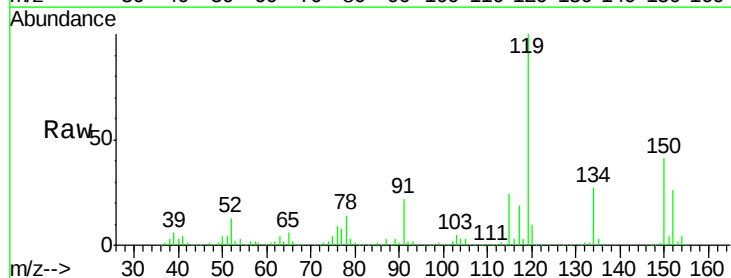
Tgt Ion:119 Resp: 180769

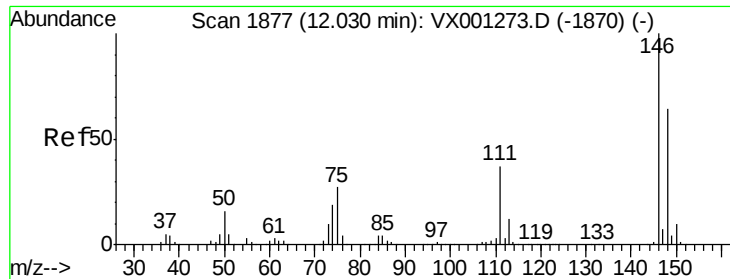
Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.7

91 23.4 11.7 35.1





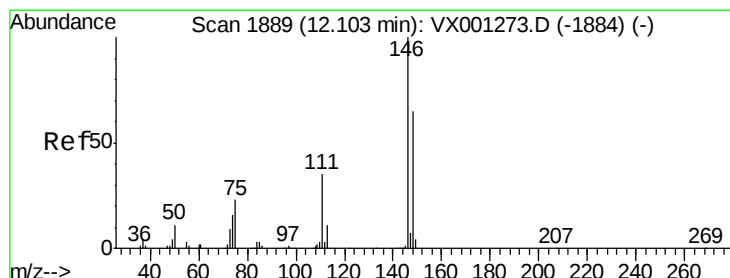
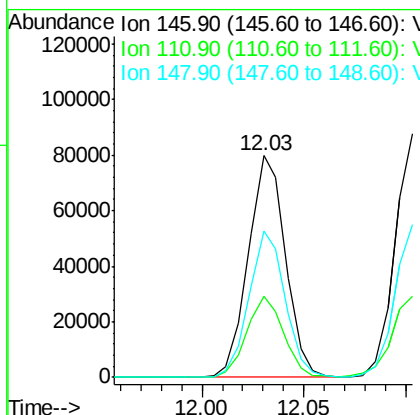
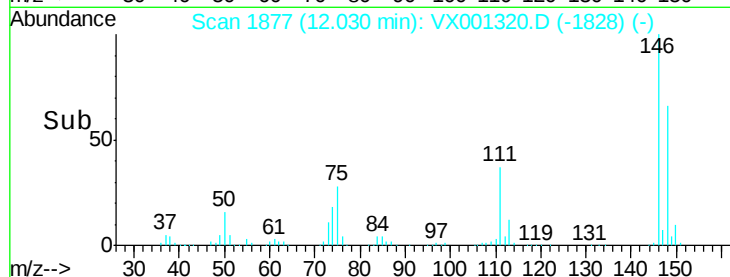
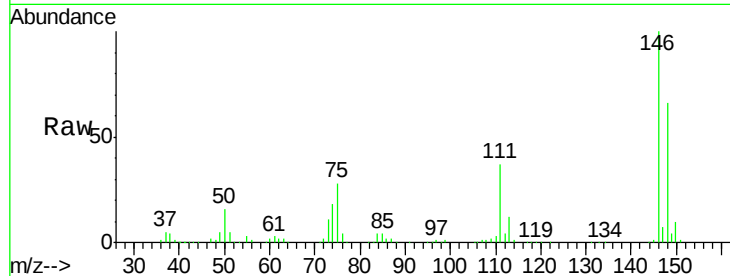
#87
 1,3-Dichlorobenzene
 Concen: 19.69 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001320.D
 Acq: 02 May 2018 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.4	55.2
148	64.4	32.2	96.6

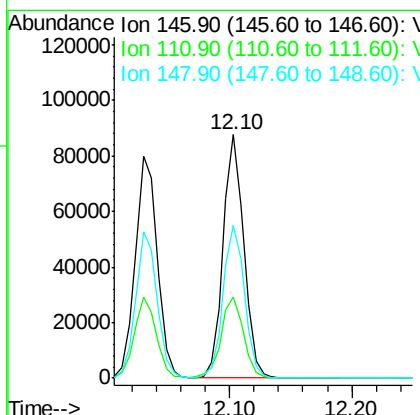
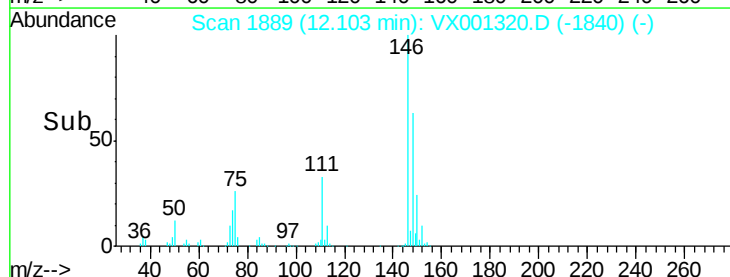
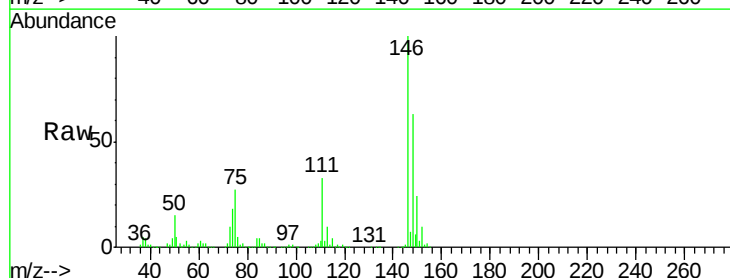
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 19.46 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001320.D
 Acq: 02 May 2018 16:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	17.9	53.7
148	65.1	32.3	96.8





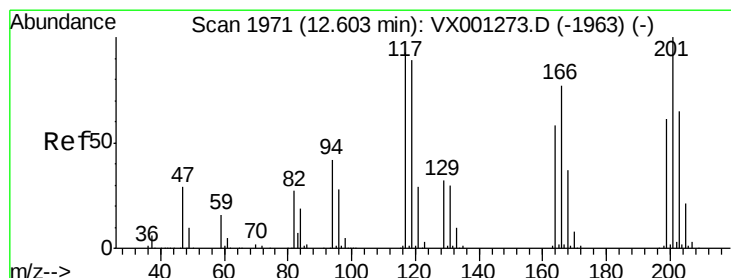
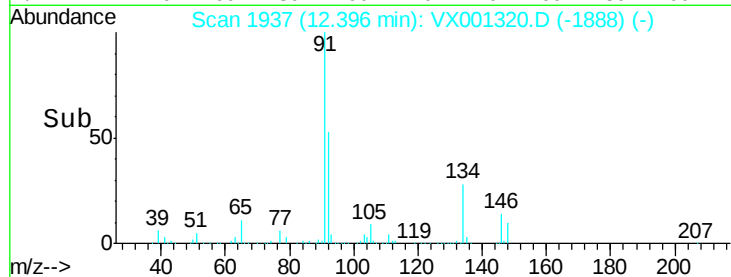
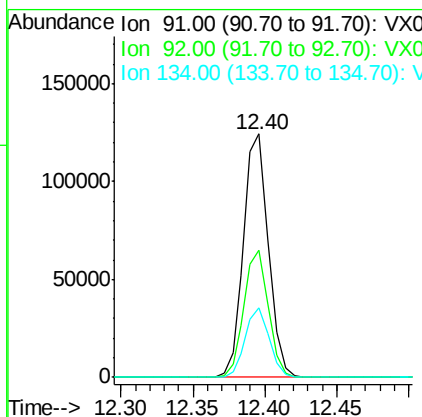
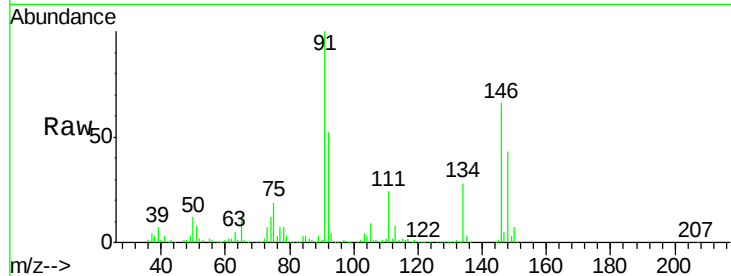
#89
n-Butylbenzene
Concen: 19.40 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.2	78.5
134	27.7	14.0	42.0

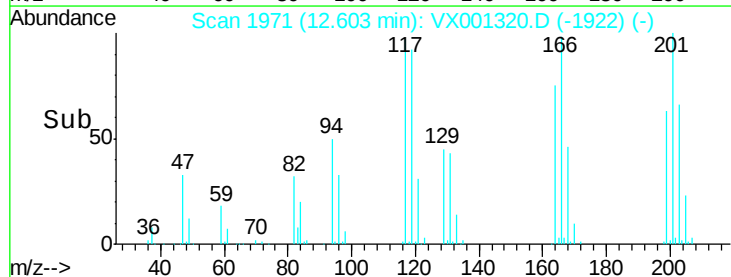
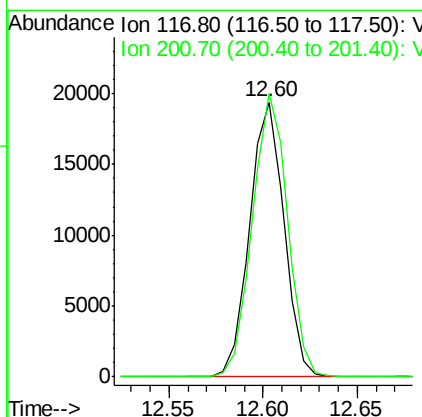
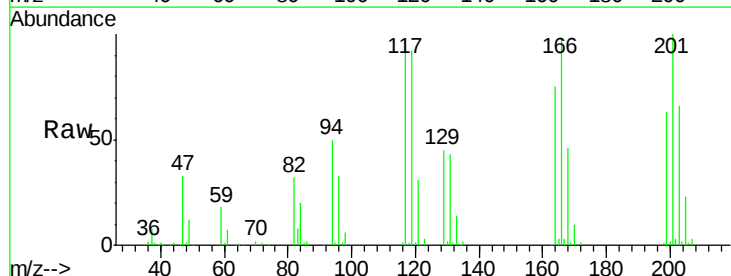
Manual Integrations
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5/3/2018 12:21:19 PM



#90
Hexachloroethane
Concen: 19.27 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	105.5	51.6	154.8





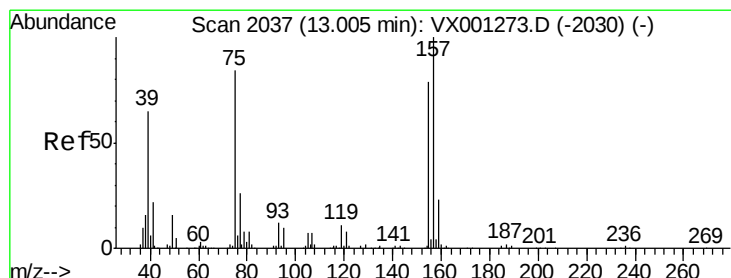
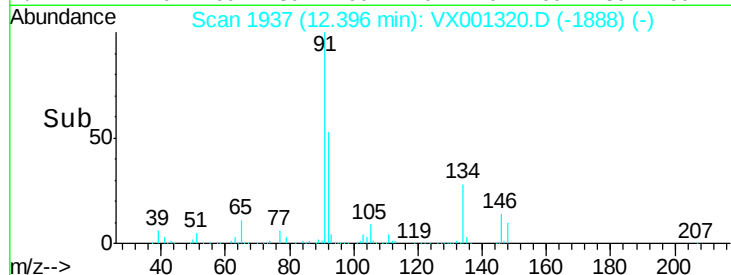
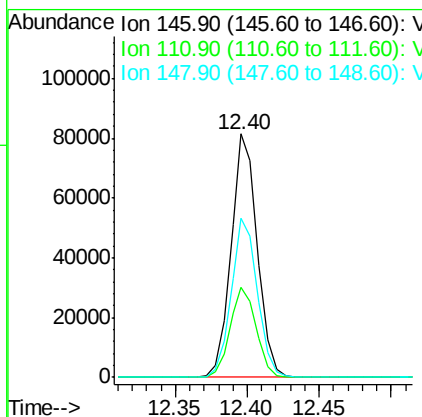
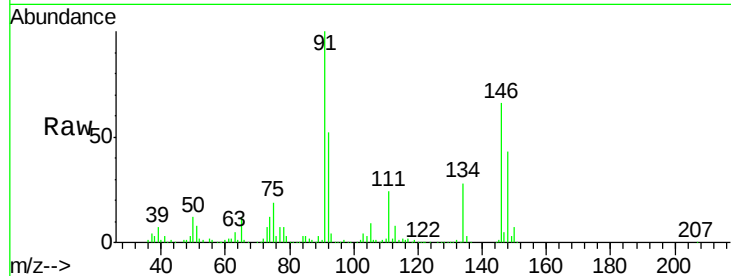
#91
 1,2-Dichlorobenzene
 Concen: 20.18 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001320.D
 Acq: 02 May 2018 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.5
148	65.5	32.4	97.0

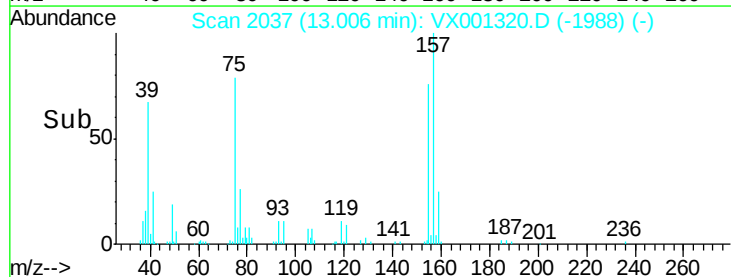
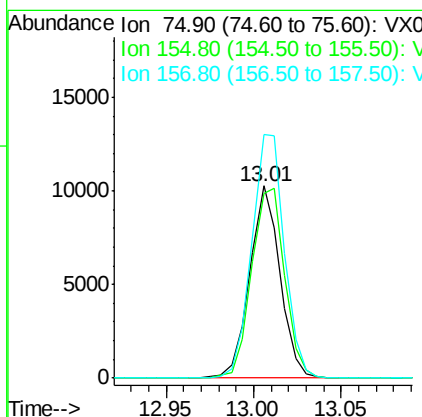
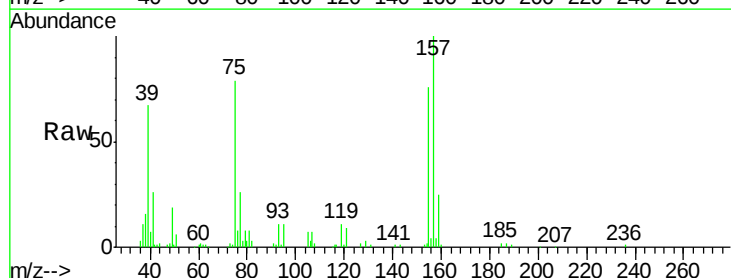
Manual Integrations
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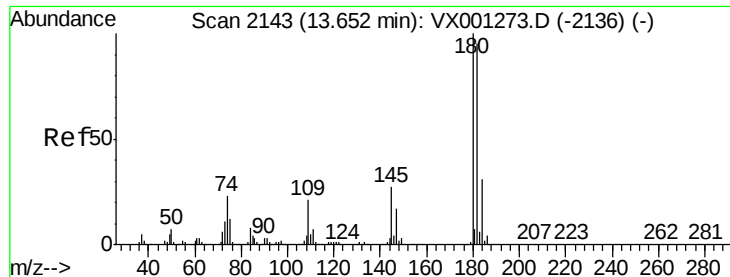
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.39 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001320.D
 Acq: 02 May 2018 16:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.8	49.9	149.7
157	136.7	63.7	191.1





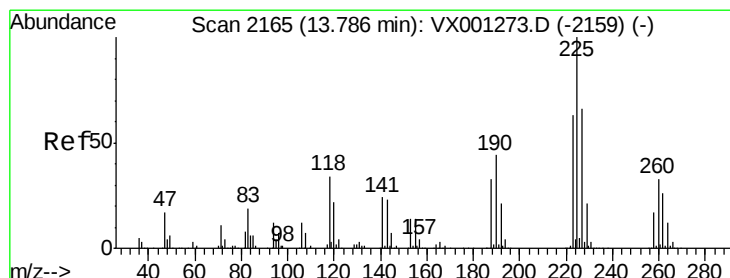
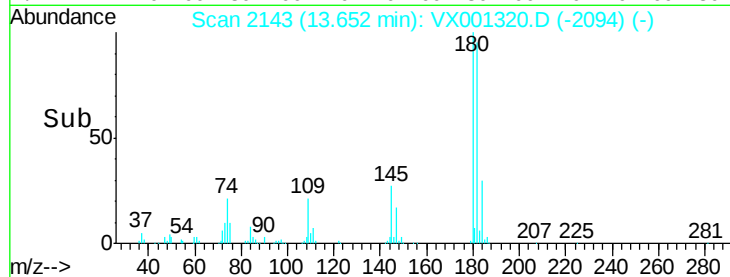
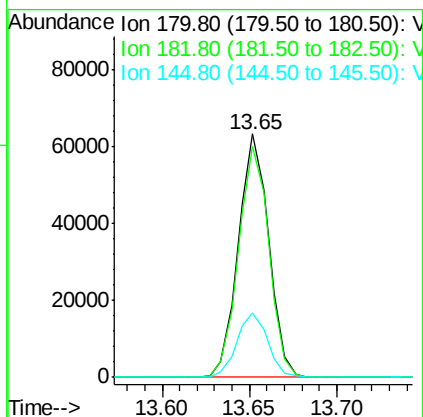
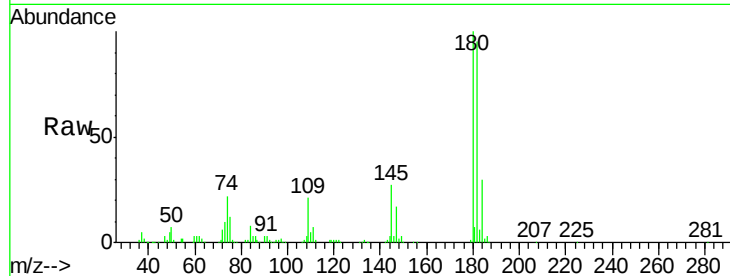
#93
 1,2,4-Trichlorobenzene
 Concen: 18.55 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001320.D
 Acq: 02 May 2018 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	76316		
182	95.2	47.3	141.9	
145	26.8	13.5	40.4	

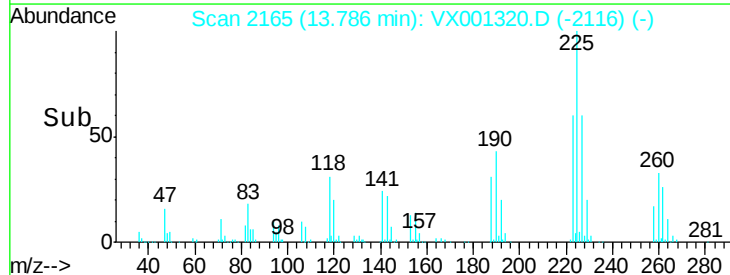
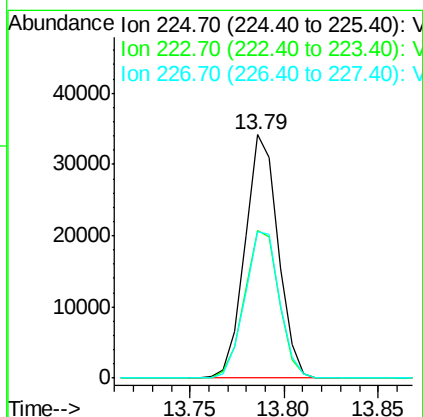
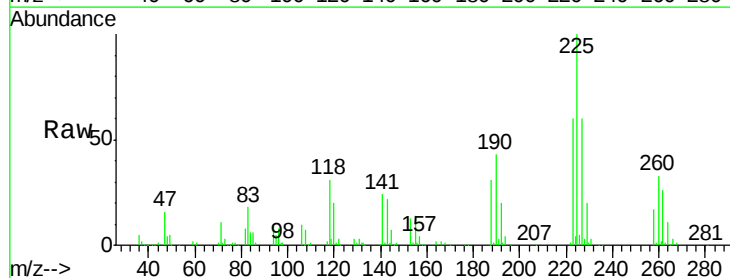
Manual Integrations
 APPROVED

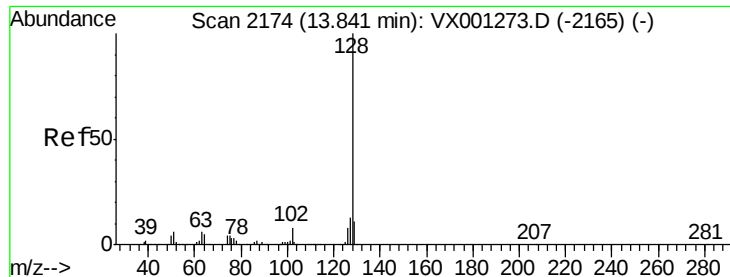
MMDadoda
 5/3/2018 12:21:19 PM



#94
 Hexachlorobutadiene
 Concen: 19.31 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001320.D
 Acq: 02 May 2018 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41563		
223	63.0	31.4	94.0	
227	63.0	32.5	97.5	





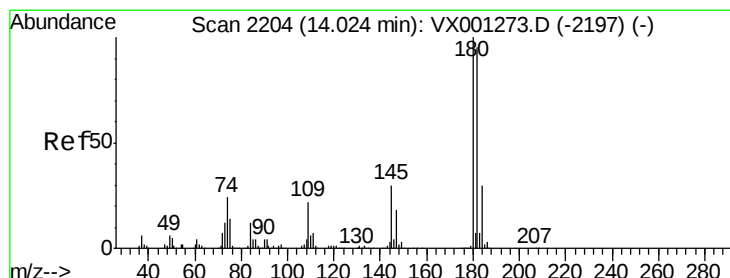
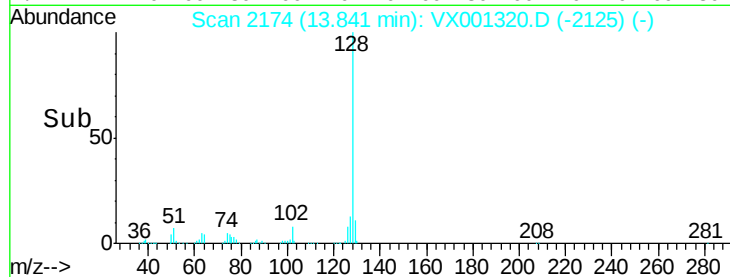
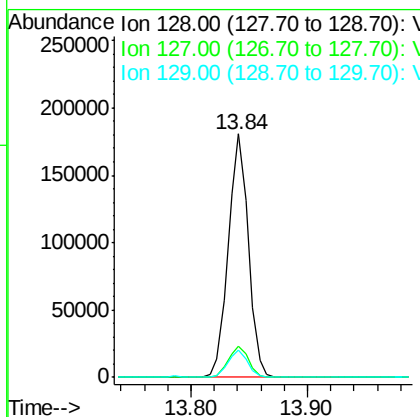
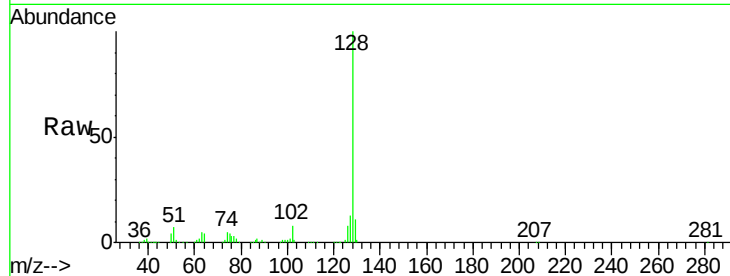
#95
Naphthalene
Concen: 20.68 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	215805		
127	13.1		10.5	15.7
129	11.0		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.73 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001320.D
Acq: 02 May 2018 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	79676		
182	96.4		48.1	144.3
145	28.4		14.4	43.4

