

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
 Data File : VX001721.D
 Acq On : 14 May 2018 20:56
 Operator : JC/MD
 Sample : VX0515WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/16/2018 11:54:10 AM

Quant Time: May 15 05:54:19 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	312469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	427265	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	380502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	247630	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	218152	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
35) Dibromofluoromethane	5.51	113	177974	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	8.72	98	660133	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	11.14	95	232337	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	62519	19.94	ug/l	100
3) Chloromethane	1.32	50	72087	21.28	ug/l	97
4) Vinyl Chloride	1.40	62	77338	21.12	ug/l	100
5) Bromomethane	1.64	94	48316	30.08	ug/l	97
6) Chloroethane	1.73	64	50237	21.78	ug/l	99
7) Trichlorofluoromethane	1.93	101	108214	20.34	ug/l	100
8) Diethyl Ether	2.19	74	48327	22.06	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	62544	19.52	ug/l	99
10) Methyl Iodide	2.51	142	30472	10.34	ug/l	99
11) Tert butyl alcohol	3.08	59	85347	114.78	ug/l	99
12) 1,1-Dichloroethene	2.37	96	63742	20.64	ug/l	96
13) Acrolein	2.30	56	54530	103.40	ug/l	98
14) Allyl chloride	2.73	41	120112	21.04	ug/l	99
15) Acrylonitrile	3.15	53	205696	110.14	ug/l	100
16) Acetone	2.45	43	172659	104.96	ug/l	99
17) Carbon Disulfide	2.57	76	159740	19.83	ug/l	99
18) Methyl Acetate	2.78	43	108754	22.61	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	226997	21.81	ug/l	99
20) Methylene Chloride	2.86	84	73809	20.96	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	69975	20.57	ug/l	97
22) Diisopropyl ether	3.88	45	230916	21.09	ug/l	99
23) Vinyl Acetate	3.83	43	783184	99.26	ug/l	100
24) 1,1-Dichloroethane	3.70	63	124996	20.81	ug/l	99
25) 2-Butanone	4.71	43	278298	110.50	ug/l	98
26) 2,2-Dichloropropane	4.59	77	93522	19.34	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	81526	21.06	ug/l	99
28) Bromochloromethane	5.03	49	54899	20.58	ug/l	99
29) Tetrahydrofuran	5.18	42	179990	109.64	ug/l	99
30) Chloroform	5.22	83	134450	21.31	ug/l	98
31) Cyclohexane	5.57	56	103790	19.72	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	114362	20.98	ug/l	99
36) 1,1-Dichloropropene	5.81	75	94388	19.19	ug/l	99
37) Ethyl Acetate	4.87	43	106878	20.85	ug/l	99
38) Carbon Tetrachloride	5.79	117	101168	19.63	ug/l	98

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Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	107028	18.62	ug/l	96
40) Benzene	6.15	78	293920	20.28	ug/l	98
41) Methacrylonitrile	5.07	41	61570	20.77	ug/l	99
42) 1,2-Dichloroethane	6.20	62	110011	20.99	ug/l	100
43) Isopropyl Acetate	6.48	43	166541	20.76	ug/l	100
44) Trichloroethene	7.22	130	88414	19.66	ug/l	96
45) 1,2-Dichloropropane	7.52	63	73411	20.64	ug/l	99
46) Dibromomethane	7.67	93	50516	20.23	ug/l	99
47) Bromodichloromethane	7.90	83	94942	20.49	ug/l	98
48) Methyl methacrylate	7.79	41	89792	21.26	ug/l	99
49) 1,4-Dioxane	7.76	88	36889	453.71	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	556109	109.38	ug/l	99
52) Toluene	8.79	92	190263	20.43	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	113741	20.86	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	100489	20.91	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	76378	21.46	ug/l	97
56) Ethyl methacrylate	9.19	69	111364	22.06	ug/l	98
57) 1,3-Dichloropropane	9.38	76	122248	20.51	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	280900	108.18	ug/l	100
59) 2-Hexanone	9.51	43	400070	109.93	ug/l	99
60) Dibromochloromethane	9.59	129	75899	20.82	ug/l	100
61) 1,2-Dibromoethane	9.68	107	79120	21.23	ug/l	100
64) Tetrachloroethene	9.34	164	95753	19.33	ug/l	98
65) Chlorobenzene	10.15	112	206855	19.76	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	74394	20.12	ug/l	99
67) Ethyl Benzene	10.26	91	327545	19.58	ug/l	99
68) m/p-Xylenes	10.37	106	262005	39.70	ug/l	99
69) o-Xylene	10.71	106	127570	20.18	ug/l	100
70) Styrene	10.72	104	213699	20.50	ug/l	100
71) Bromoform	10.86	173	61129	19.66	ug/l	99
73) Isopropylbenzene	11.02	105	335614	20.58	ug/l	99
74) N-amyl acetate	6.48	43	166541	21.30	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	104283	21.32	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	103184m	21.91	ug/l	
77) Bromobenzene	11.26	156	100226	20.92	ug/l	99
78) n-propylbenzene	11.37	91	369772	20.13	ug/l	100
79) 2-Chlorotoluene	11.43	91	224880	20.47	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	277635	20.75	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	26591	19.02	ug/l	93
82) 4-Chlorotoluene	11.52	91	265881	20.54	ug/l	100
83) tert-Butylbenzene	11.77	119	278700	20.93	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	289945	20.93	ug/l	100
85) sec-Butylbenzene	11.95	105	332920	20.26	ug/l	100
86) p-Isopropyltoluene	12.07	119	306823	20.18	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	181401	20.47	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	184101	20.09	ug/l	99
89) n-Butylbenzene	12.40	91	256961	19.54	ug/l	100
90) Hexachloroethane	12.60	117	45491	19.26	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	179765	20.36	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	22742	21.78	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
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ClientSampleId :
VX0515WBS01

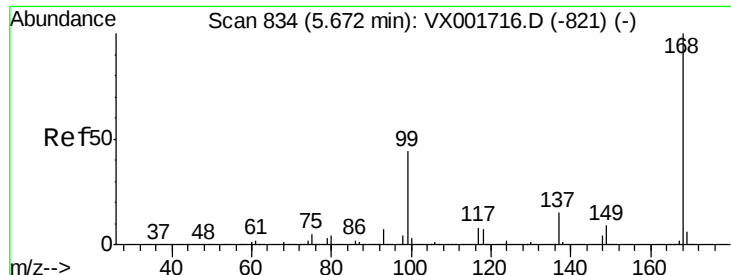
Manual Integrations
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5/16/2018 11:54:10 AM

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
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QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	140244	19.93	ug/l	99
94) Hexachlorobutadiene	13.79	225	72247	19.12	ug/l	99
95) Naphthalene	13.84	128	393112	21.49	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	143204	20.21	ug/l	100

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



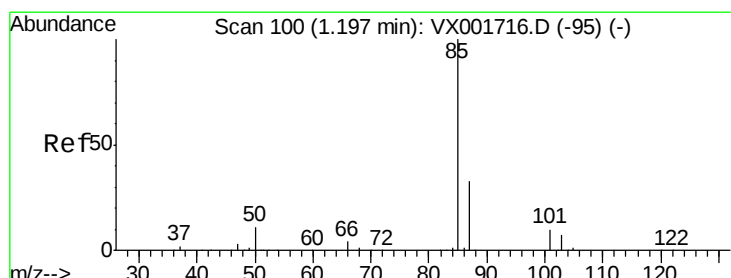
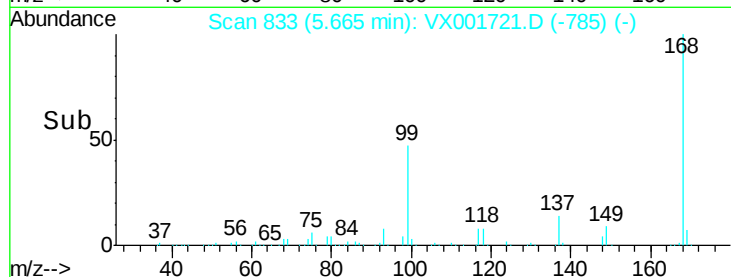
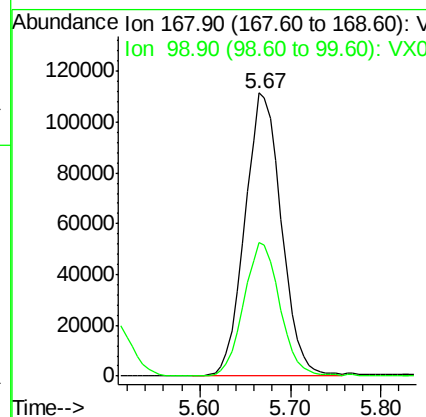
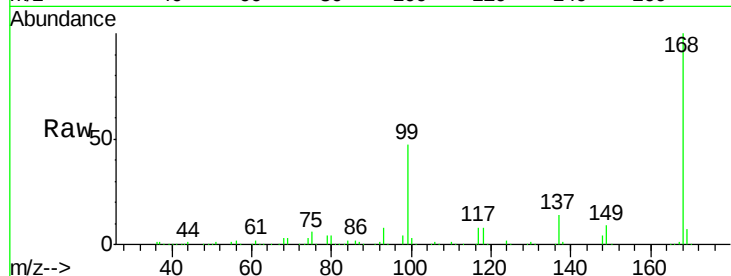
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.01 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	312469		
99	46.9	35.0	52.4	

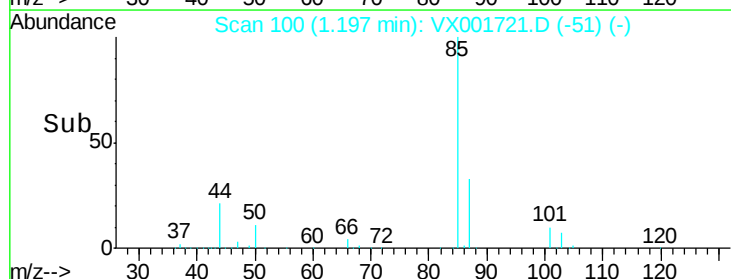
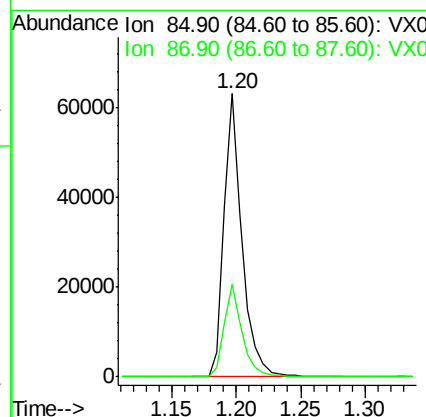
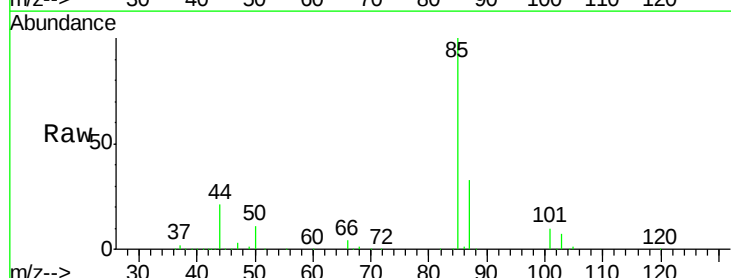
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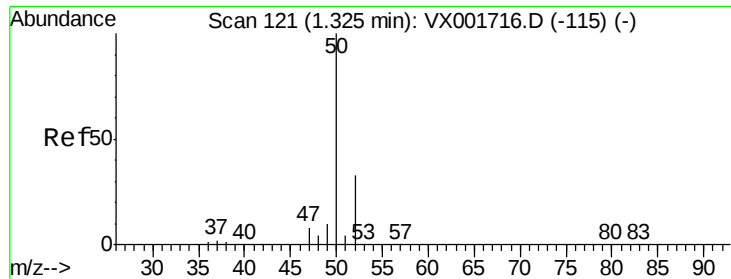
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#2
Dichlorodifluoromethane
Concen: 19.94 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	62519		
87	32.9	16.4	49.2	





#3

Chloromethane

Concen: 21.28 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion: 50 Resp: 72087

Ion Ratio Lower Upper

50 100

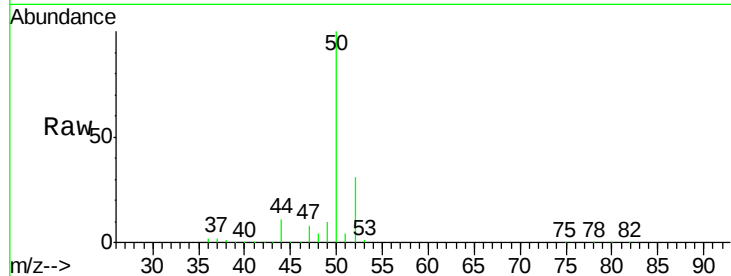
52 31.5 26.3 39.5

Manual Integrations

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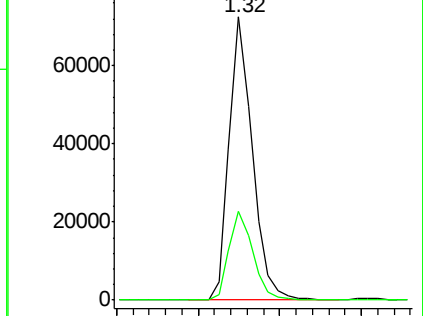
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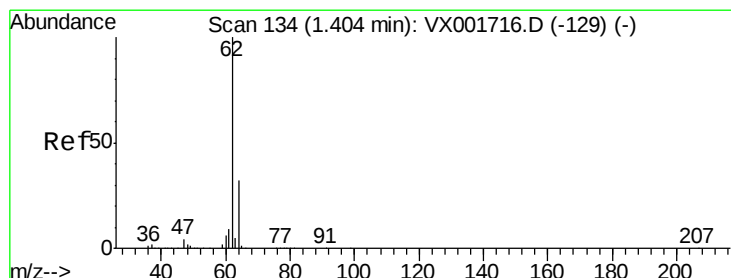
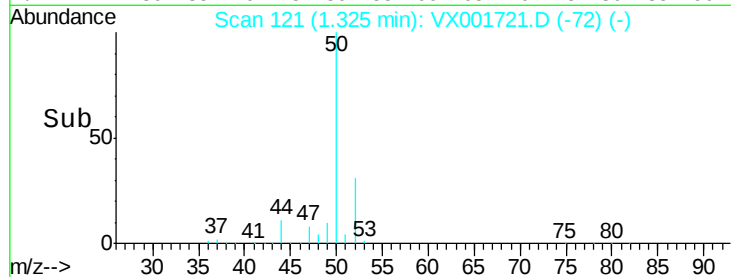


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 21.12 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001721.D

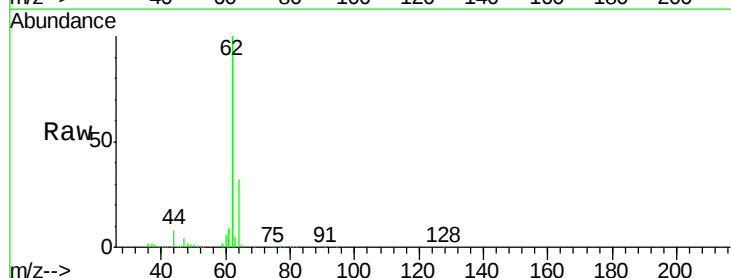
Acq: 14 May 2018 20:56

Tgt Ion: 62 Resp: 77338

Ion Ratio Lower Upper

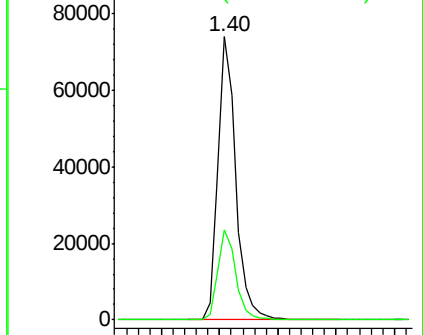
62 100

64 31.8 25.6 38.4

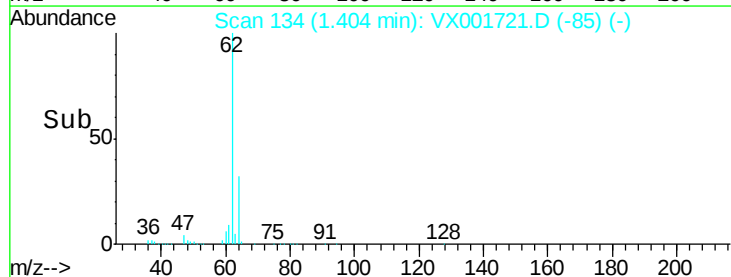


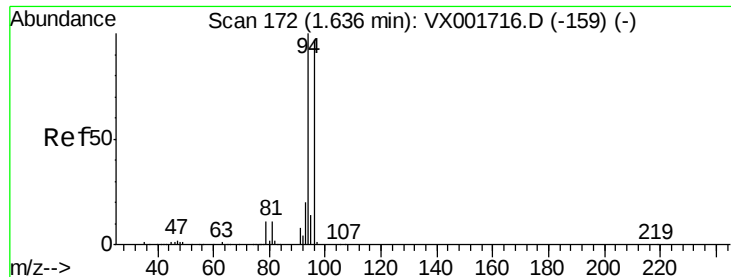
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 30.08 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion: 94 Resp: 48316

Ion Ratio Lower Upper

94 100

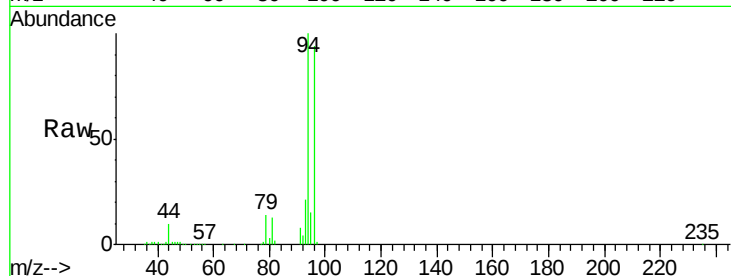
96 93.9 77.4 116.0

Manual Integrations

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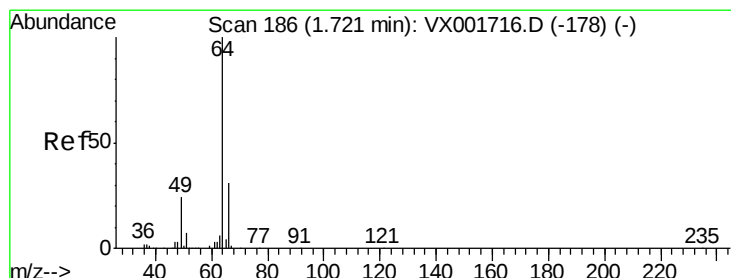
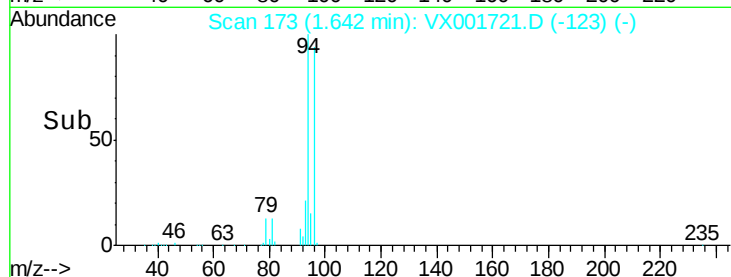
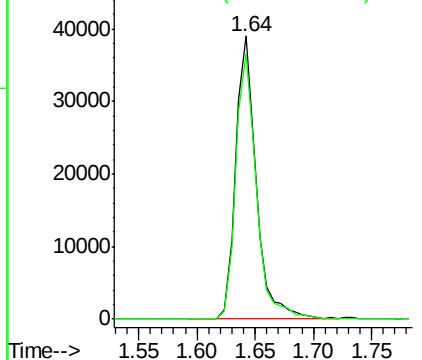
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.78 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001721.D

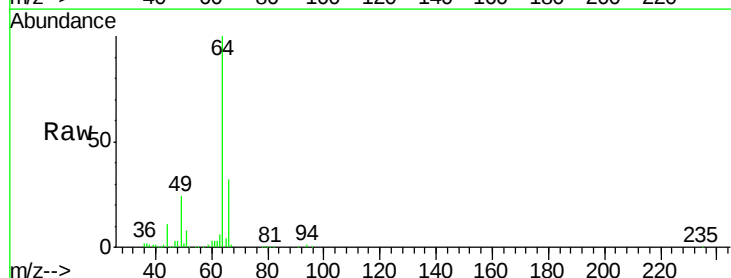
Acq: 14 May 2018 20:56

Tgt Ion: 64 Resp: 50237

Ion Ratio Lower Upper

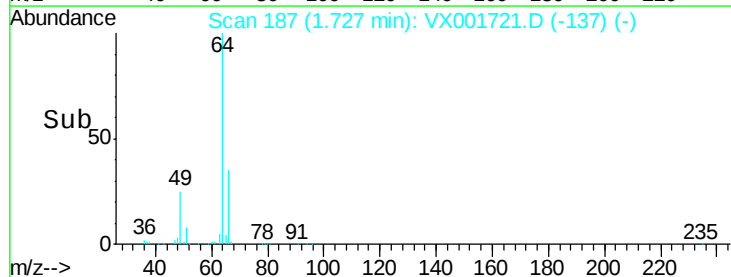
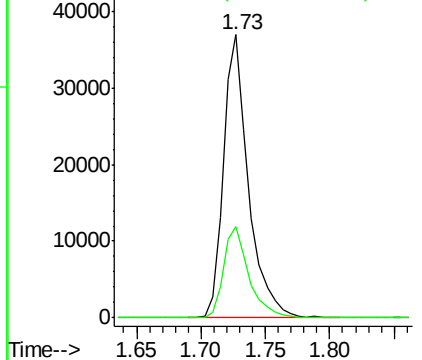
64 100

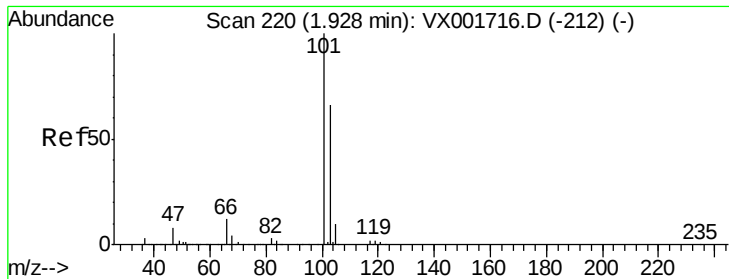
66 32.3 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

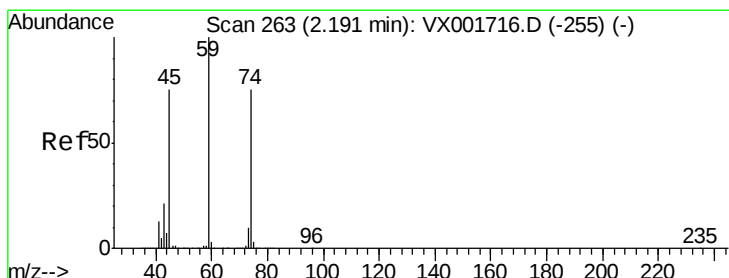
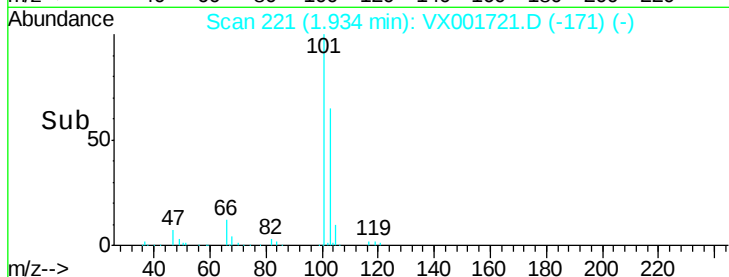
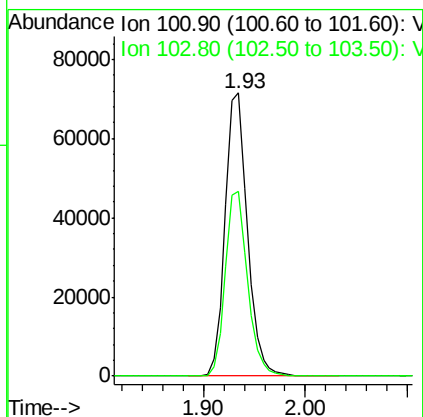
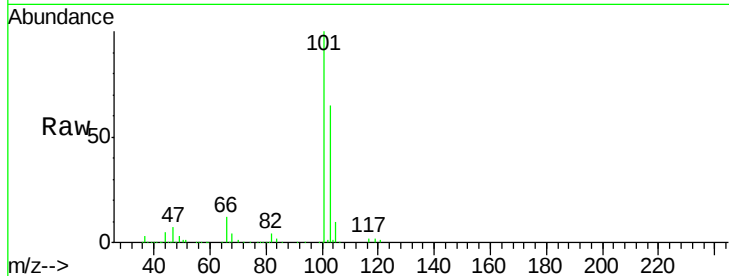
Trichlorofluoromethane
Concen: 20.34 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
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ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	108214		
103	65.4	52.6	78.8	

Manual Integrations
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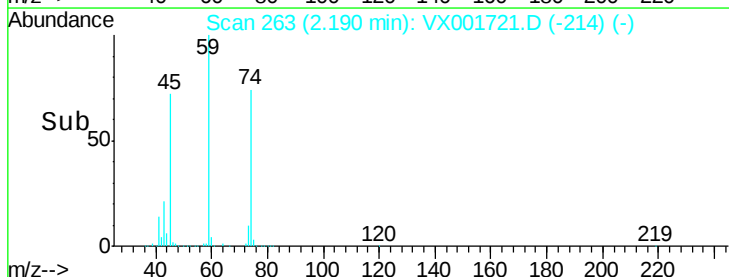
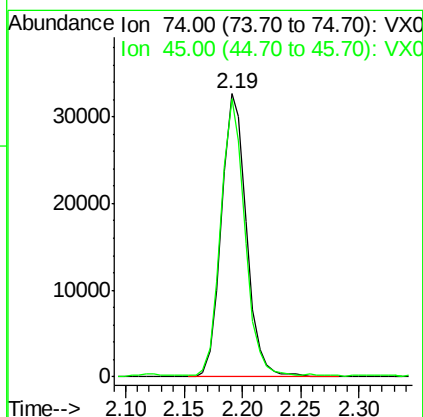
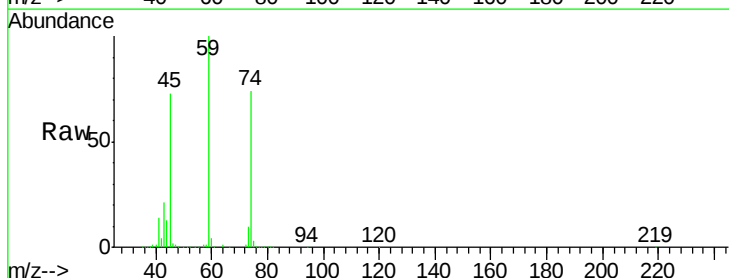
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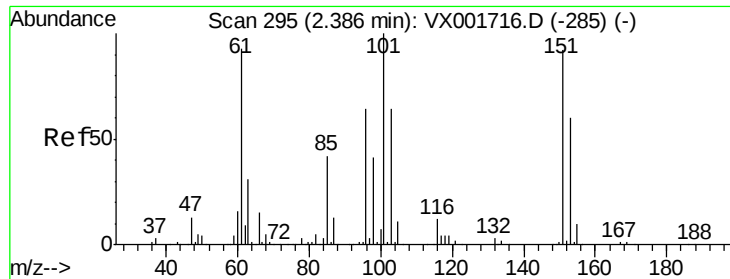


#8

Diethyl Ether
Concen: 22.06 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	48327		
45	94.5	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.52 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

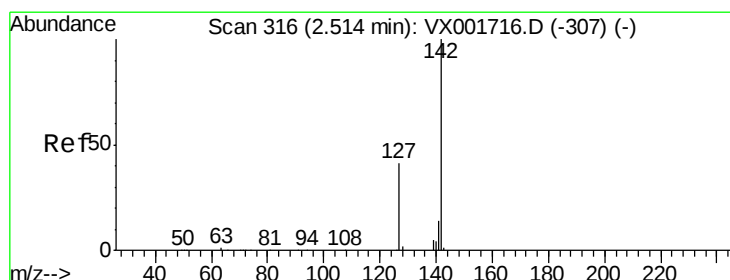
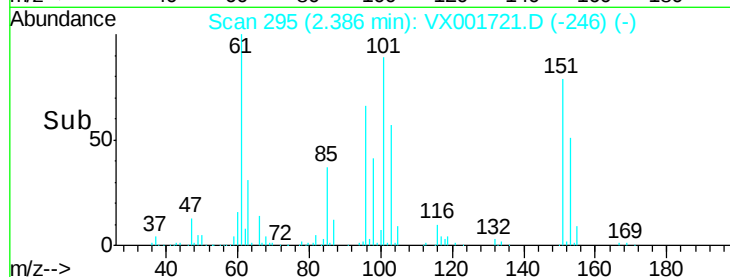
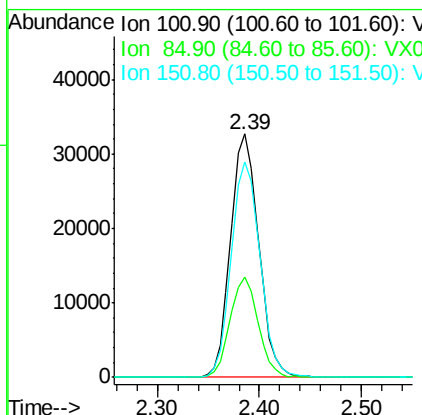
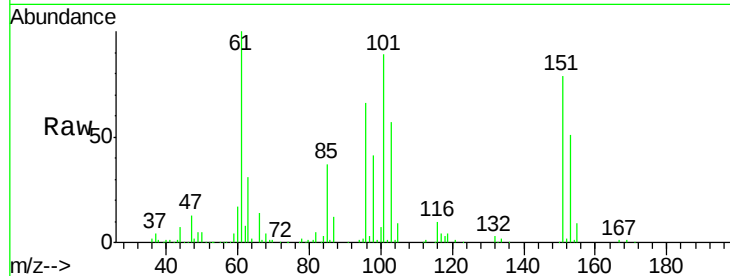
ClientSampleId :

VX0515WBS01

Tot Ion:	101	Resp:	62544
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.7	50.5
151	90.2	73.0	109.6

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#10

Methyl Iodide

Concen: 10.34 ug/l

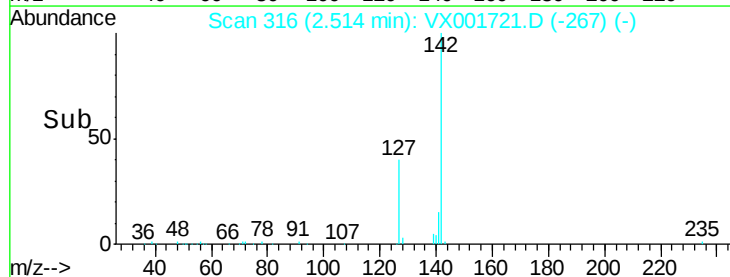
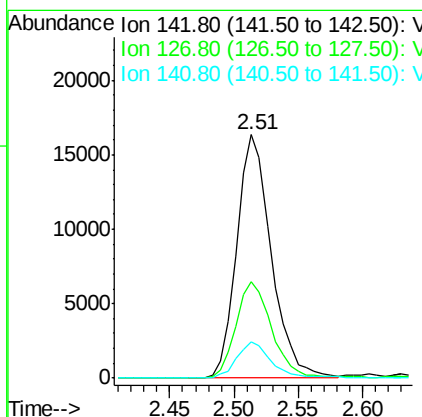
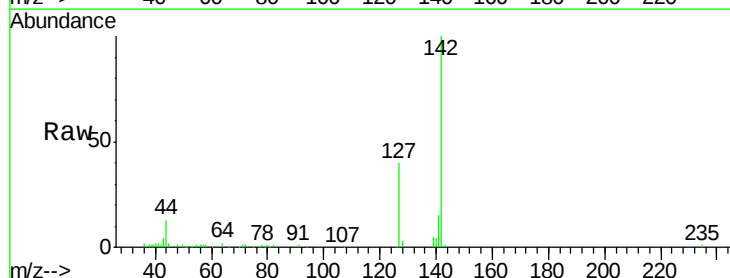
RT: 2.51 min Scan# 316

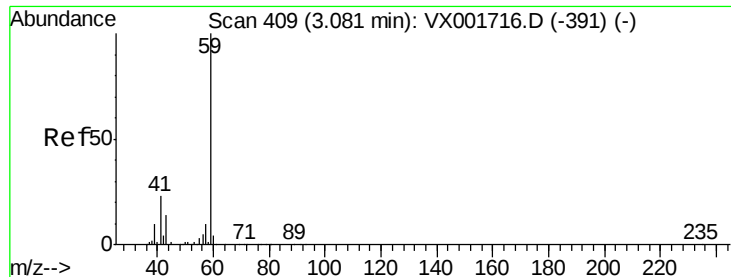
Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Tgt Ion:	142	Resp:	30472
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.5	48.7
141	14.4	11.4	17.0





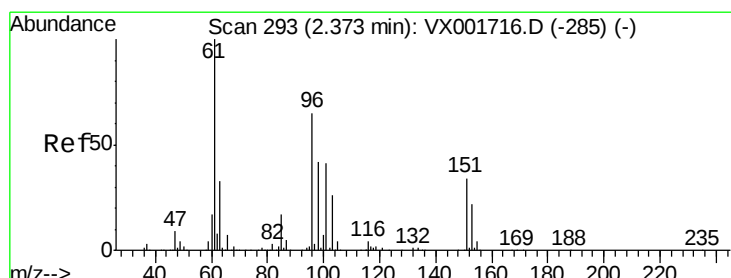
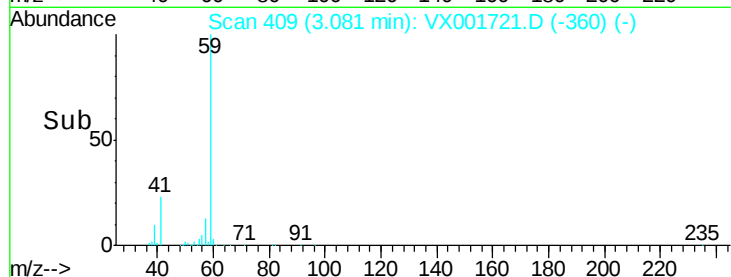
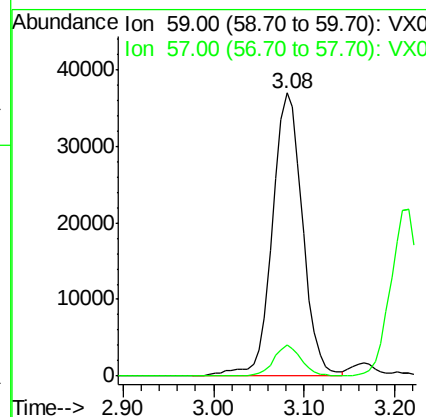
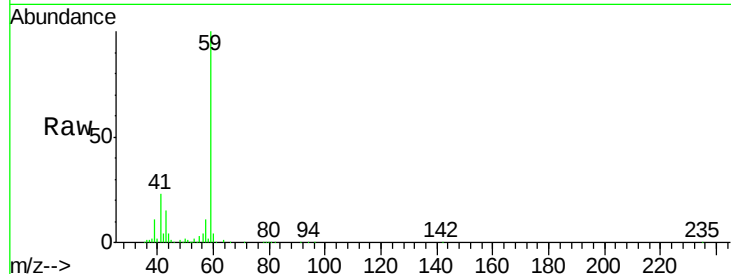
#11
Tert butyl alcohol
Concen: 114.78 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion: 59 Resp: 85347
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7

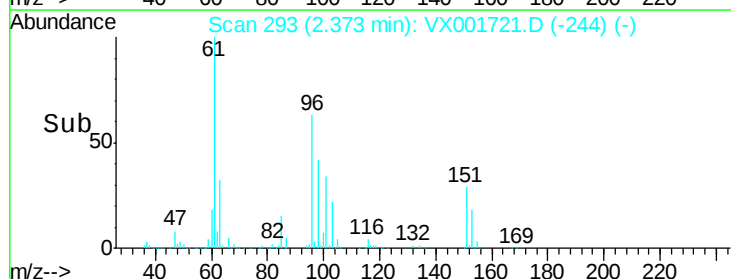
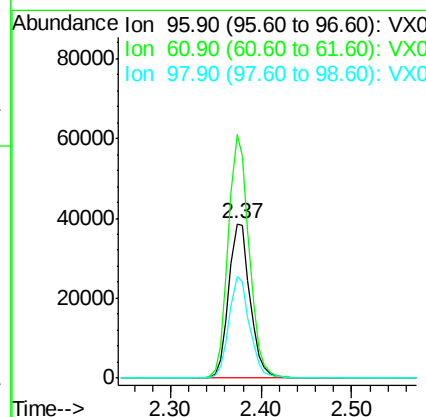
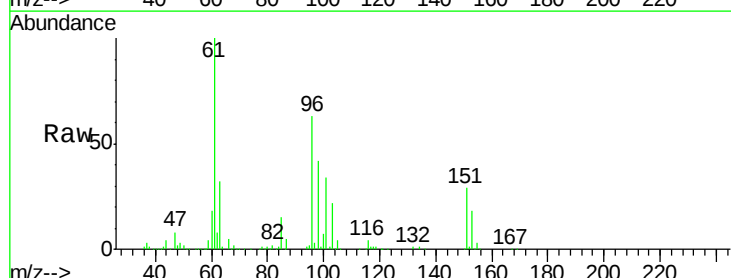
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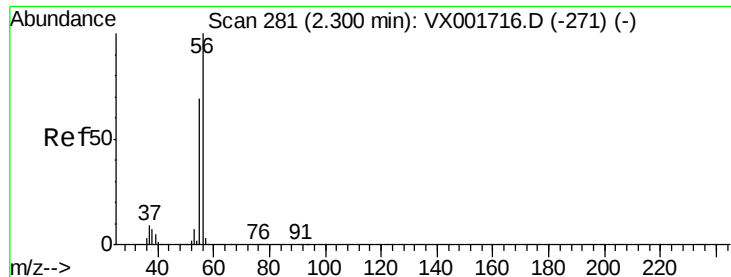
MMDadoda
5/16/2018 11:54:10 AM



#12
1,1-Dichloroethene
Concen: 20.64 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion: 96 Resp: 63742
Ion Ratio Lower Upper
96 100
61 158.1 122.2 183.2
98 66.0 51.4 77.0





#13

Acrolein

Concen: 103.40 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion: 56 Resp: 54530

Ion Ratio Lower Upper

56 100

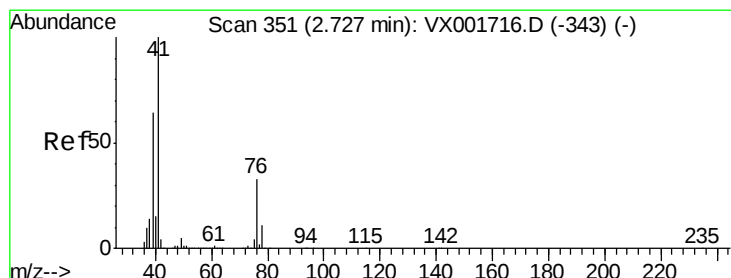
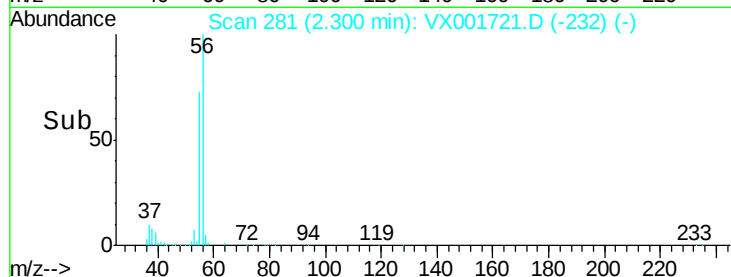
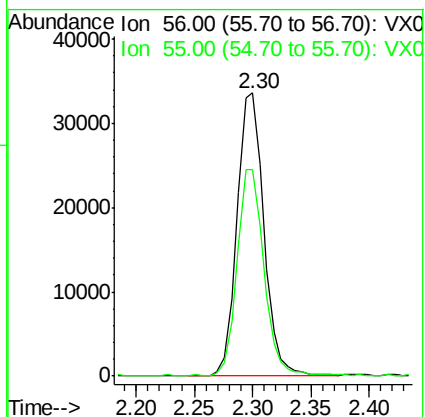
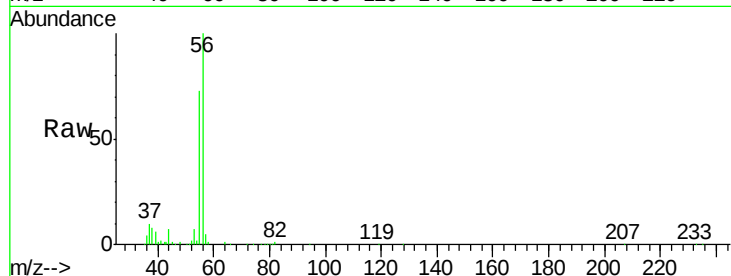
55 71.5 56.2 84.2

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#14

Allyl chloride

Concen: 21.04 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

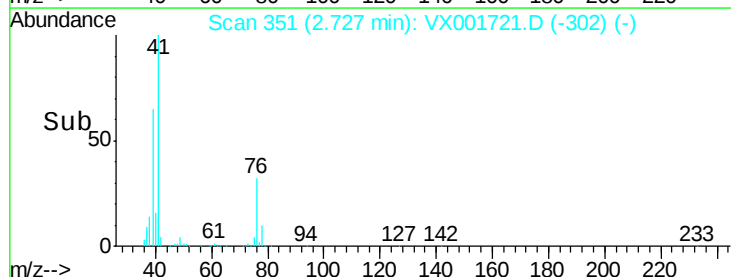
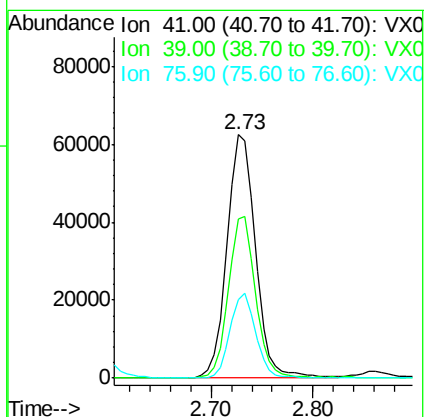
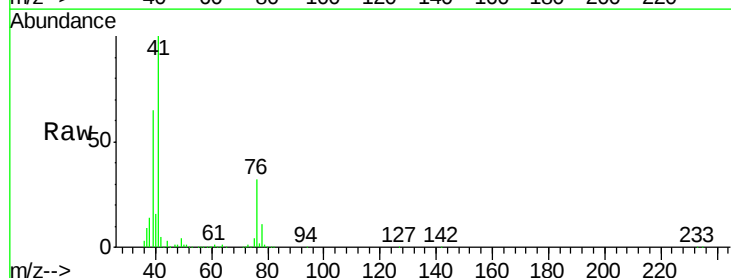
Tgt Ion: 41 Resp: 120112

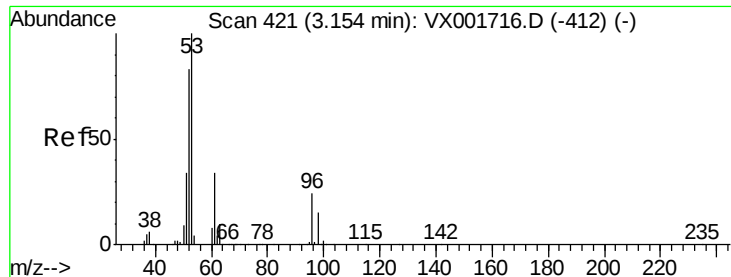
Ion Ratio Lower Upper

41 100

39 62.6 49.8 74.6

76 31.5 25.8 38.8





#15

Acrylonitrile

Concen: 110.14 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

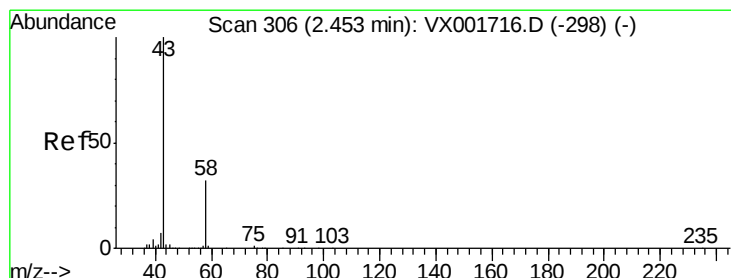
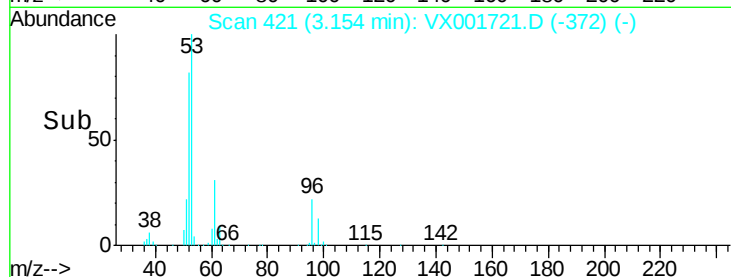
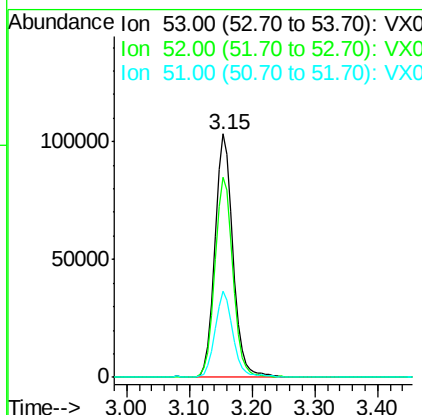
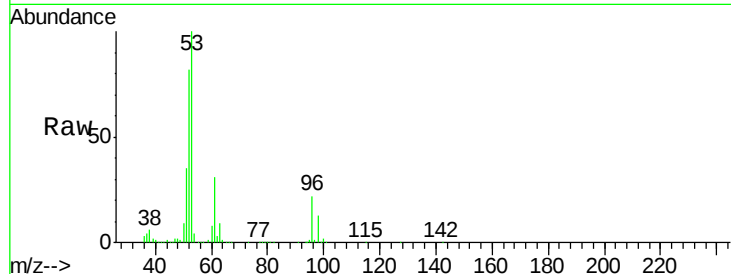
ClientSampleId :

VX0515WBS01

Tot Ion:	53	Resp:	205696
Ion Ratio		Lower	Upper
53	100		
52	81.6	65.6	98.4
51	34.9	28.1	42.1

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#16

Acetone

Concen: 104.96 ug/l

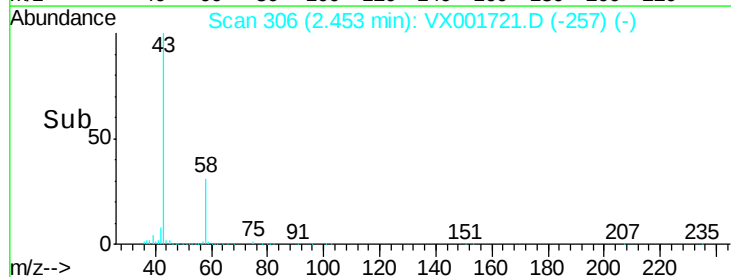
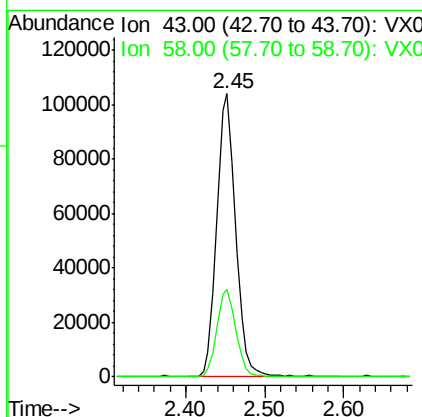
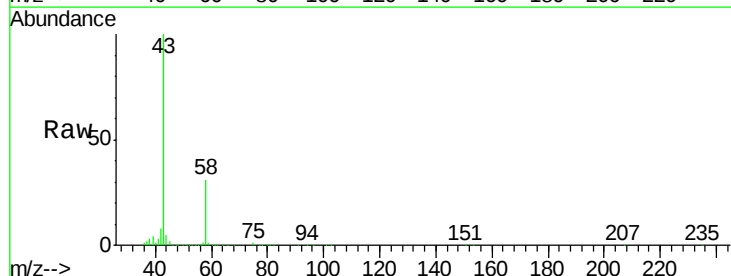
RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Tgt Ion:	43	Resp:	172659
Ion Ratio		Lower	Upper
43	100		
58	31.0	25.3	37.9





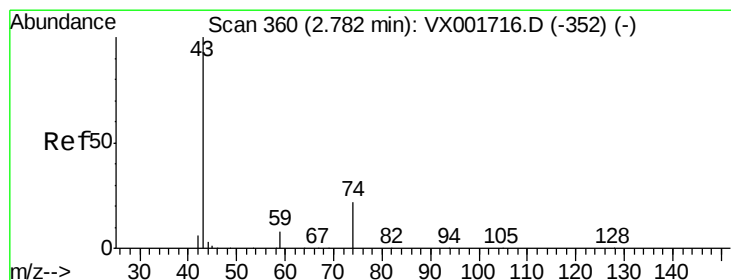
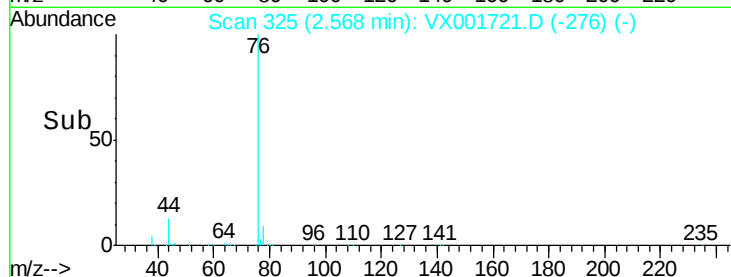
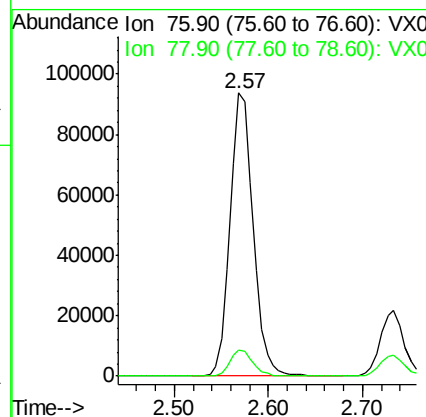
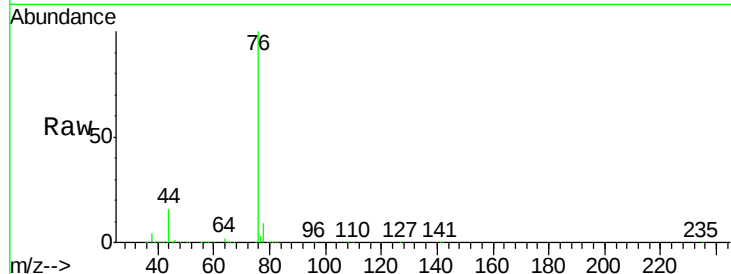
#17
Carbon Disulfide
Concen: 19.83 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.6	11.4

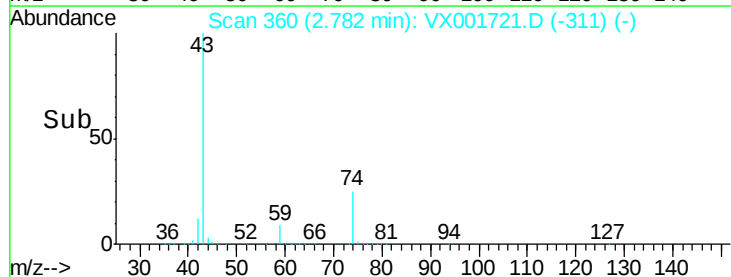
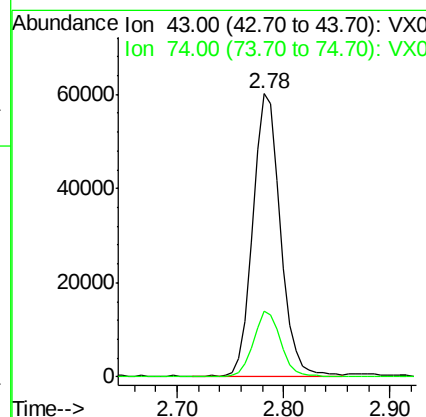
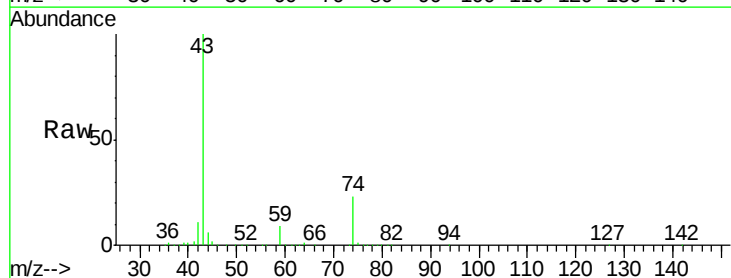
Manual Integrations
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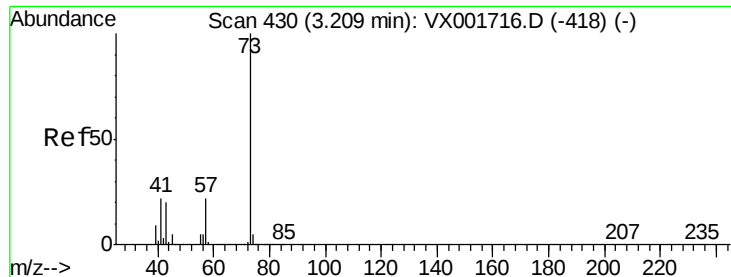
MMDadoda
5/16/2018 11:54:10 AM



#18
Methyl Acetate
Concen: 22.61 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.2	27.2





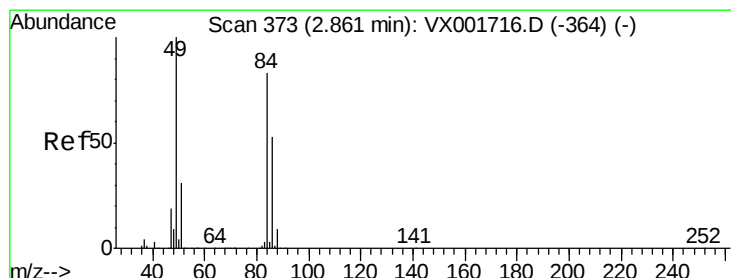
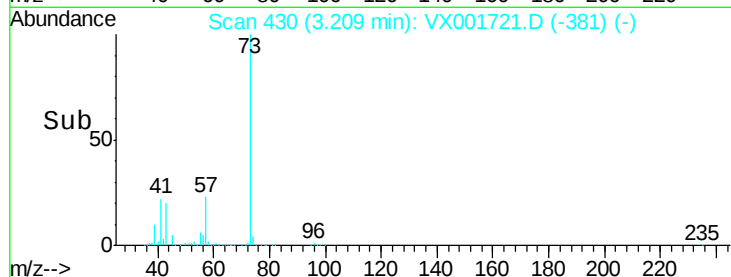
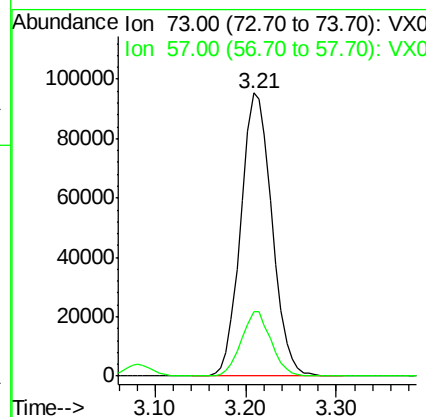
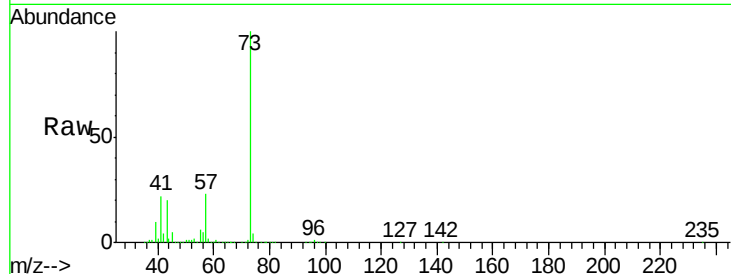
#19
Methvl tert-butvl Ether
Concen: 21.81 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.5	26.3

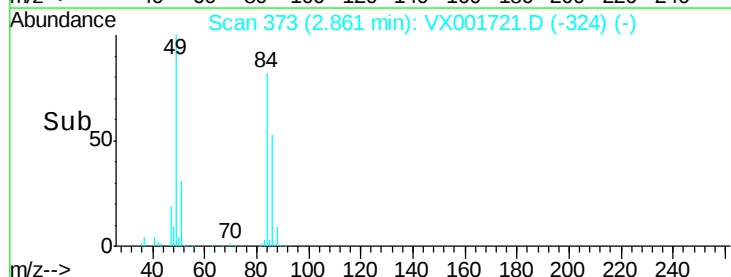
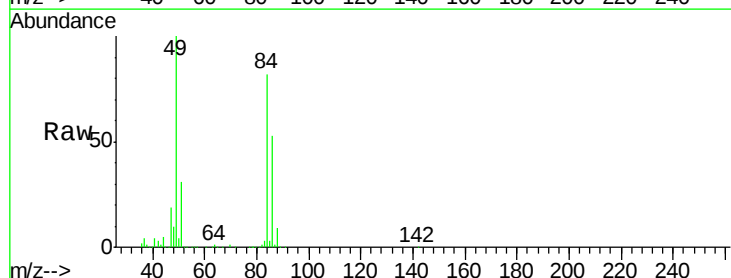
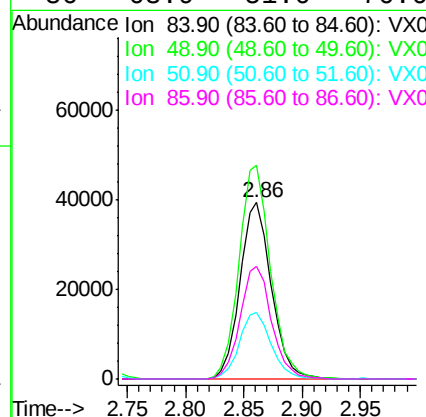
Manual Integrations
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MMDadoda
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#20
Methylene Chloride
Concen: 20.96 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.2	96.3	144.5
51	37.3	29.8	44.6
86	63.9	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 20.57 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

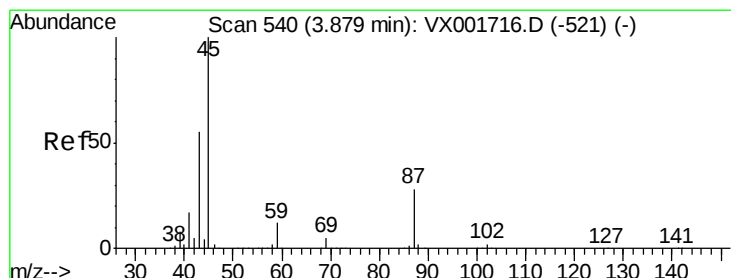
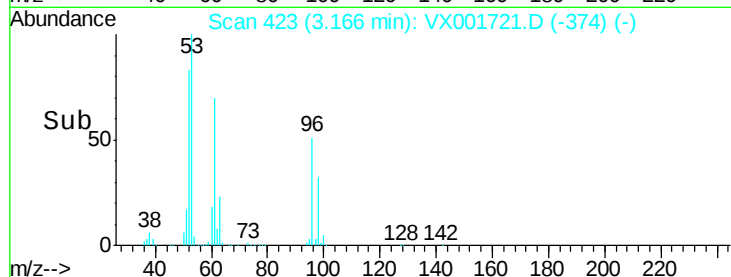
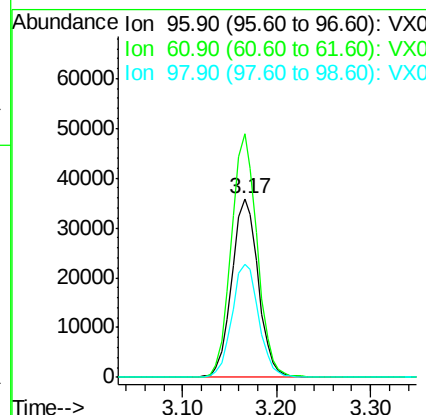
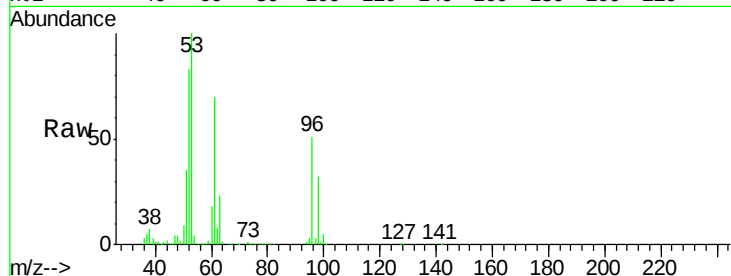
ClientSampleId :

VX0515WBS01

Tot Ion:	96	Resp:	69975
Ion	Ratio	Lower	Upper
96	100		
61	136.2	105.8	158.8
98	63.5	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.09 ug/l

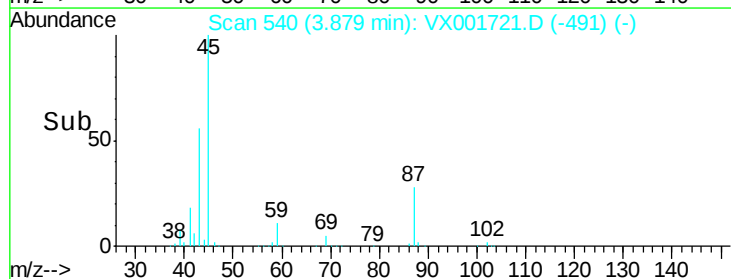
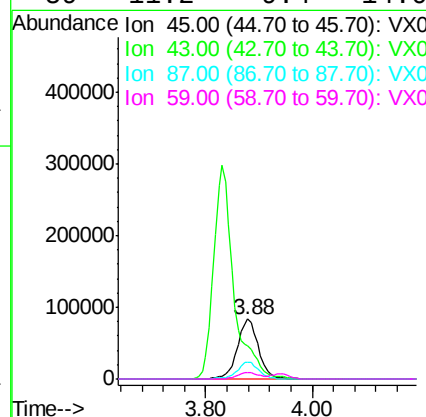
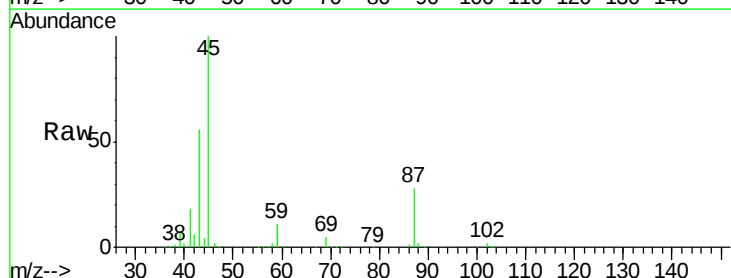
RT: 3.88 min Scan# 540

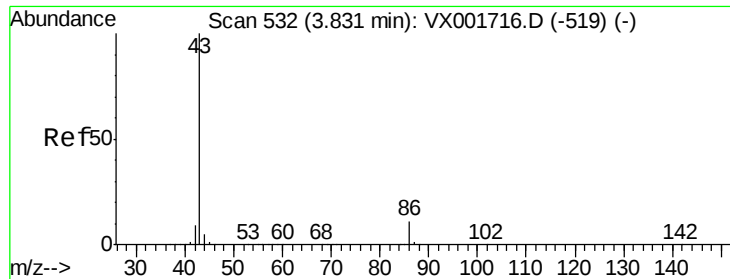
Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Tgt Ion:	45	Resp:	230916
Ion	Ratio	Lower	Upper
45	100		
43	55.4	44.3	66.5
87	27.5	22.6	33.8
59	11.2	9.4	14.0





#23

Vinyl Acetate

Concen: 99.26 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion: 43 Resp: 783184

Ion Ratio Lower Upper

43 100

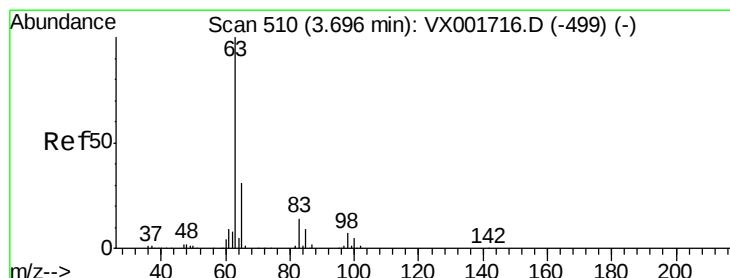
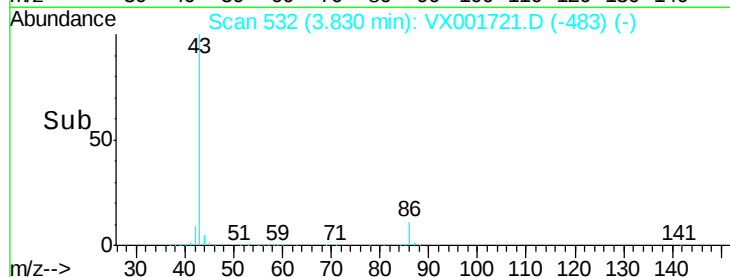
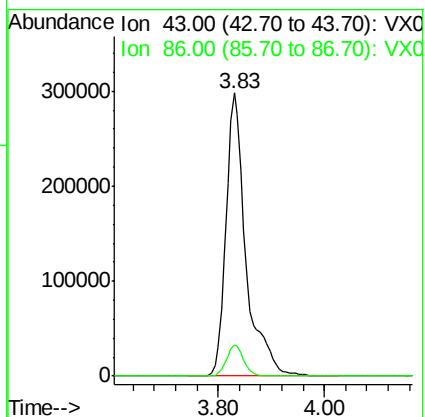
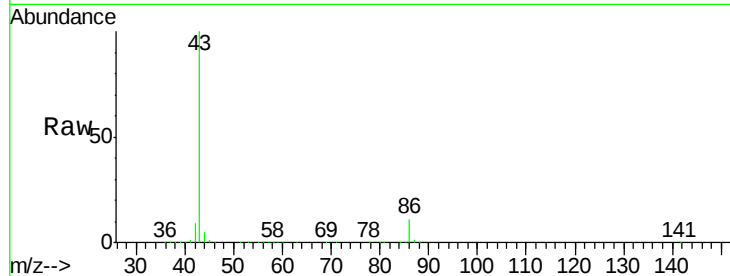
86 10.9 8.7 13.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.81 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

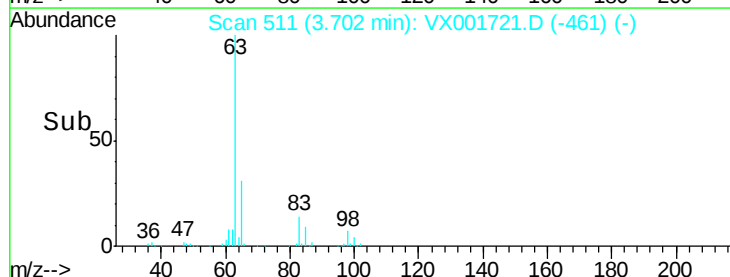
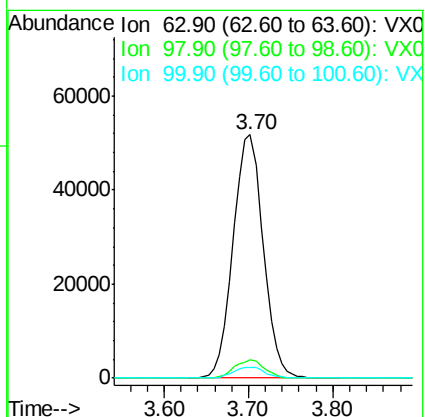
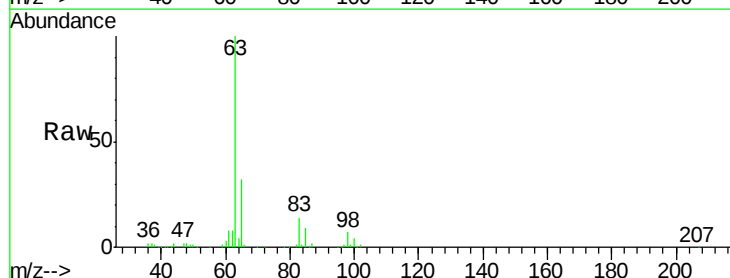
Tgt Ion: 63 Resp: 124996

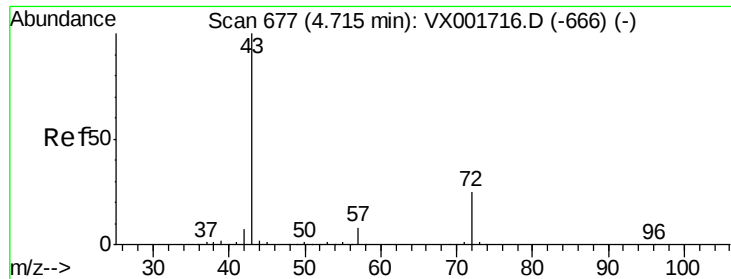
Ion Ratio Lower Upper

63 100

98 7.3 3.7 11.1

100 4.2 2.4 7.2





#25

2-Butanone

Concen: 110.50 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion: 43 Resp: 278298

Ion Ratio Lower Upper

43 100

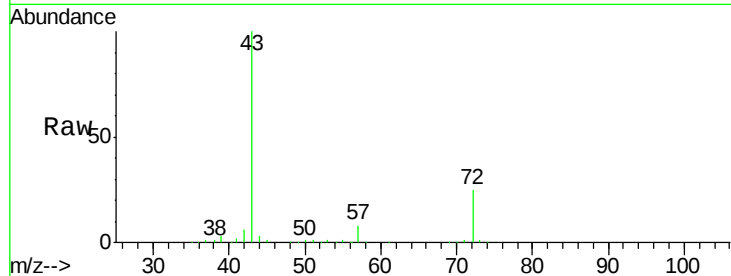
72 25.5 19.8 29.6

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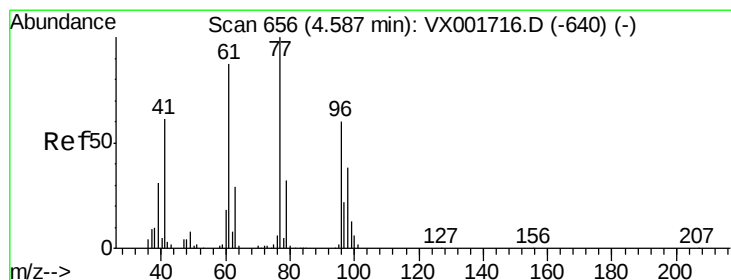
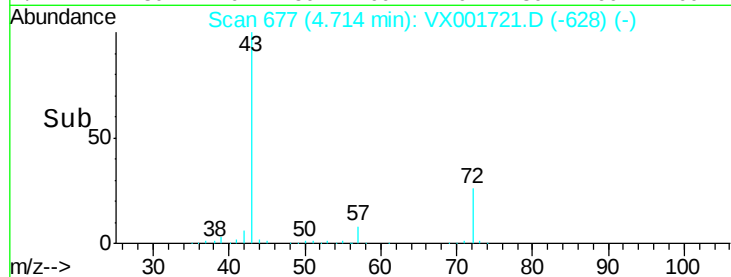
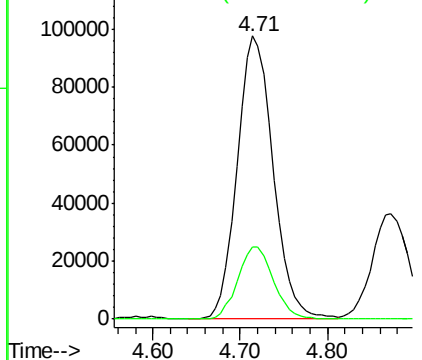
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.34 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX001721.D

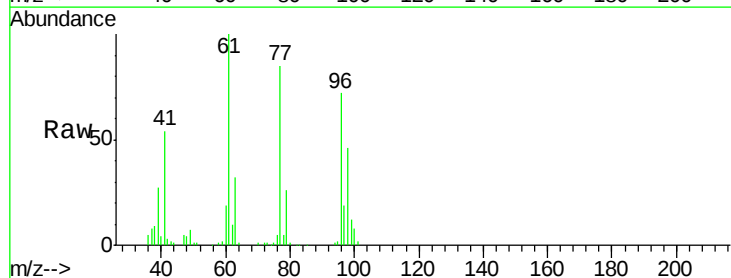
Acq: 14 May 2018 20:56

Tgt Ion: 77 Resp: 93522

Ion Ratio Lower Upper

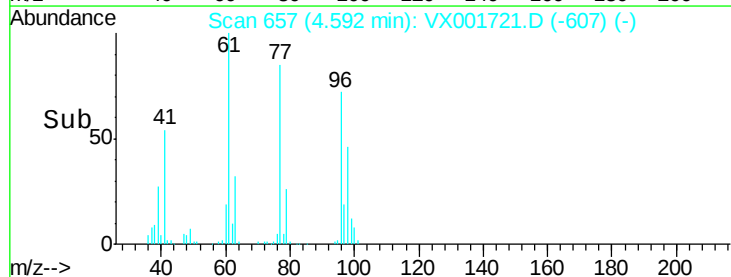
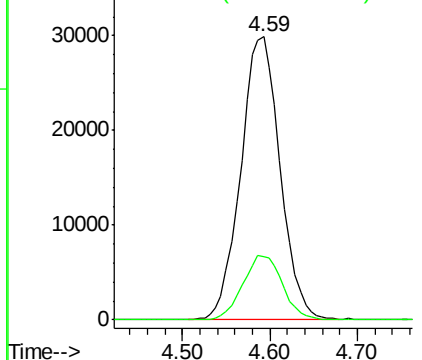
77 100

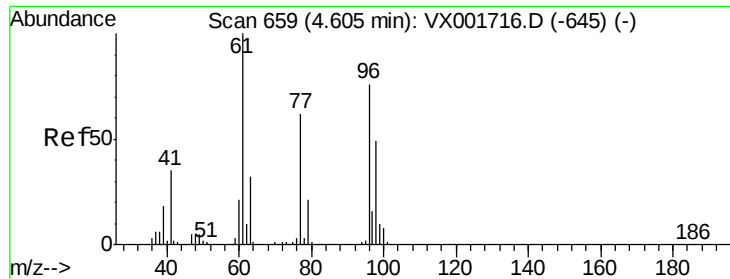
97 23.0 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

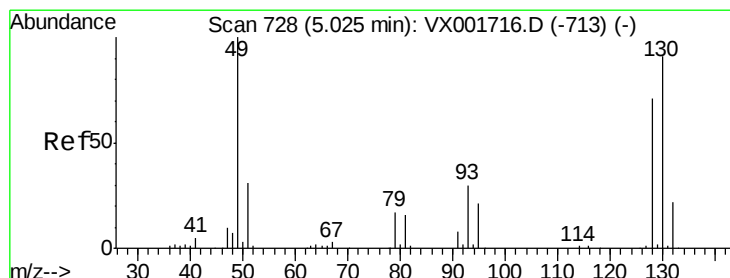
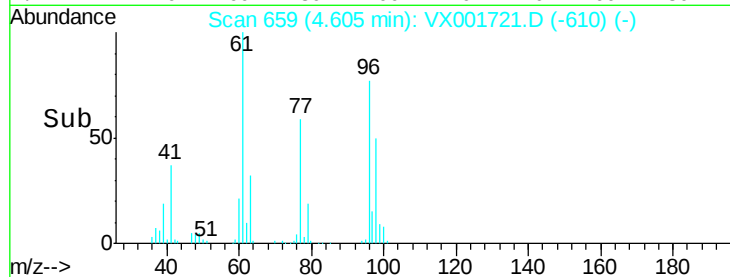
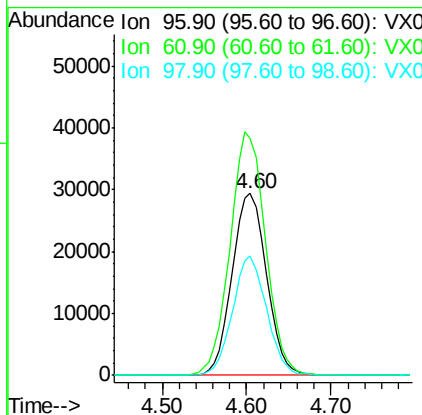
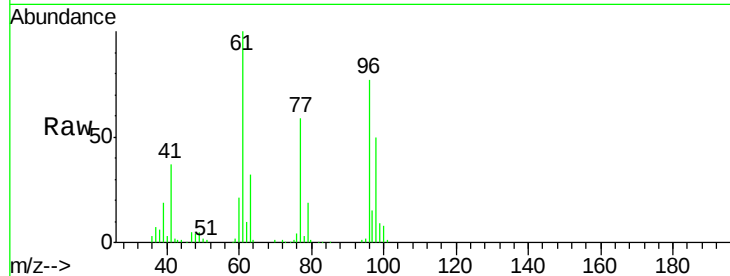
cis-1,2-Dichloroethene
Concen: 21.06 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	280.4
98	64.4	0.0	128.4

Manual Integrations
APPROVED

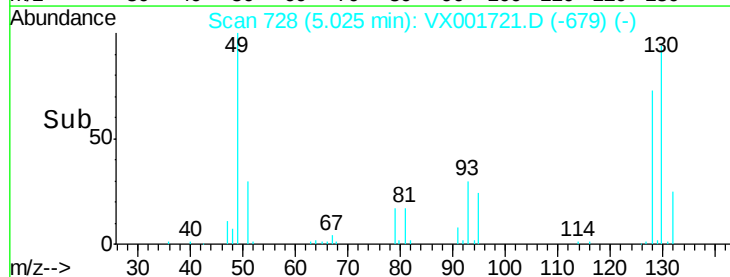
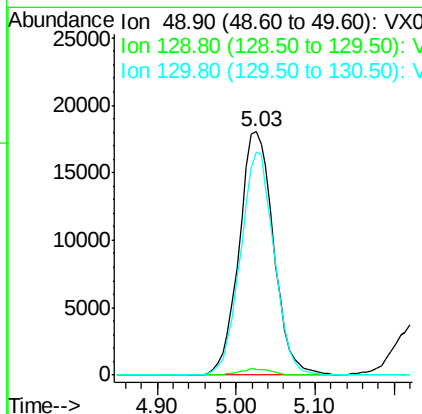
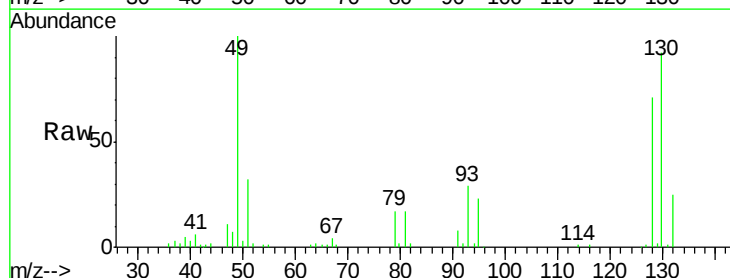
MMDadoda
5/16/2018 11:54:10 AM

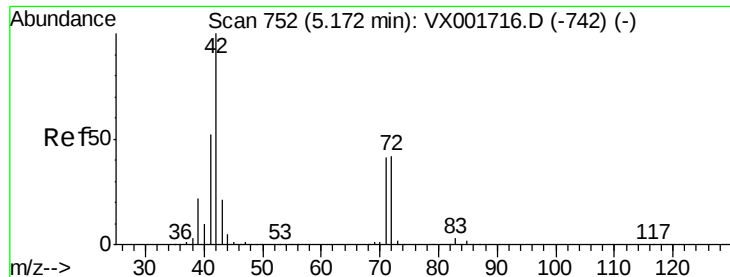


#28

Bromochloromethane
Concen: 20.58 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.0
130	89.1	71.8	107.6





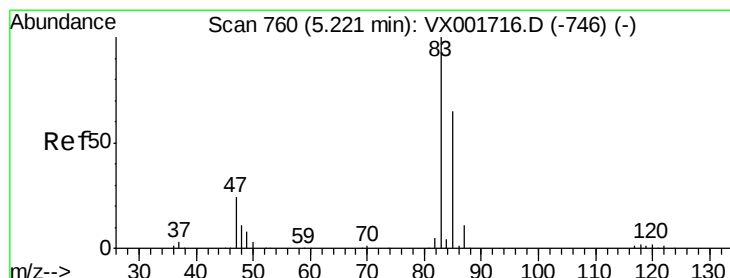
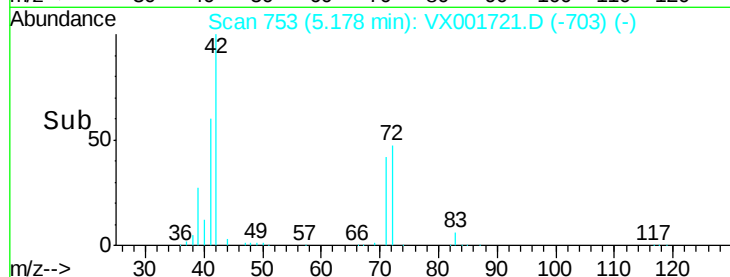
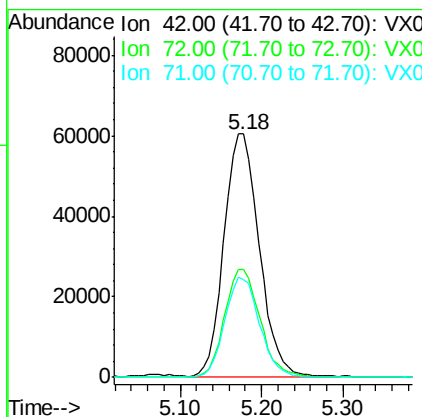
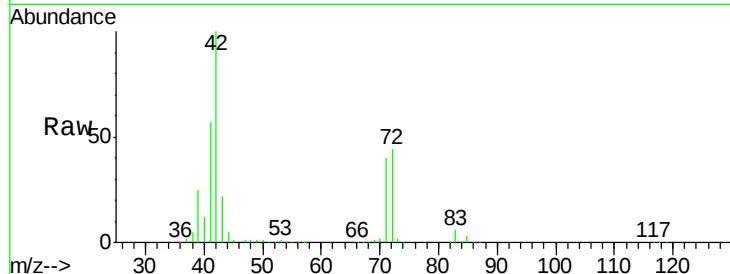
#29
Tetrahydrofuran
Concen: 109.64 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.4	53.2
71	41.0	33.2	49.8

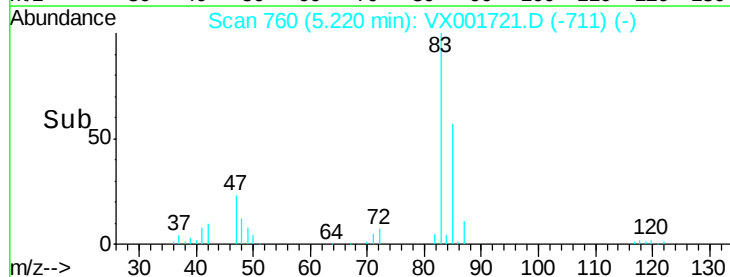
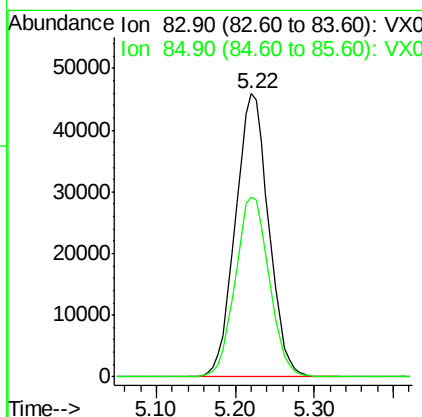
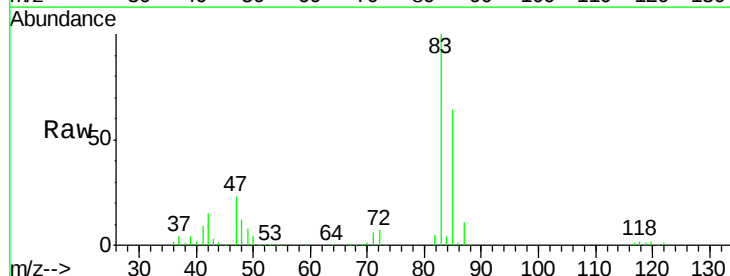
Manual Integrations
APPROVED

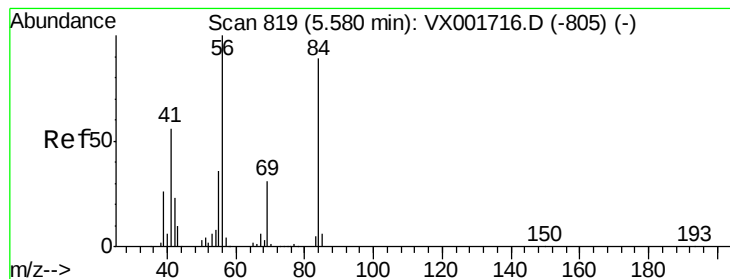
MMDadoda
5/16/2018 11:54:10 AM



#30
Chloroform
Concen: 21.31 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.3	78.5





#31

Cyclohexane

Concen: 19.72 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

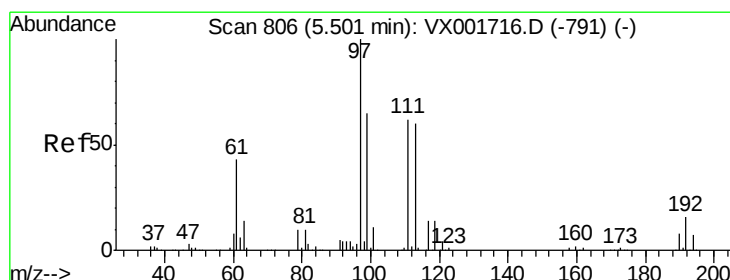
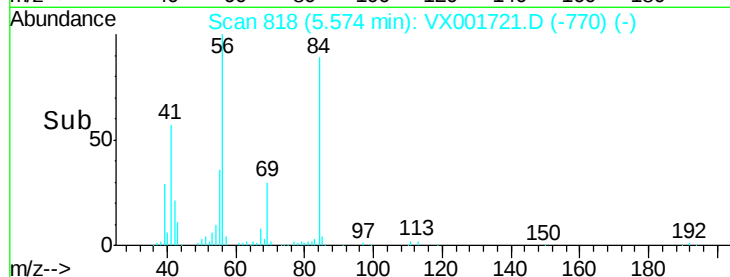
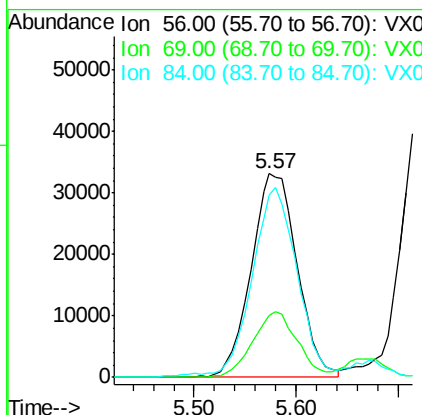
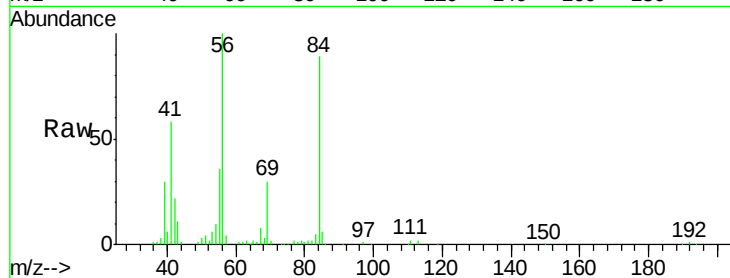
ClientSampleId :

VX0515WBS01

Tot Ion:	56	Resp:	103790
Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.0	37.6
84	87.5	71.0	106.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.98 ug/l

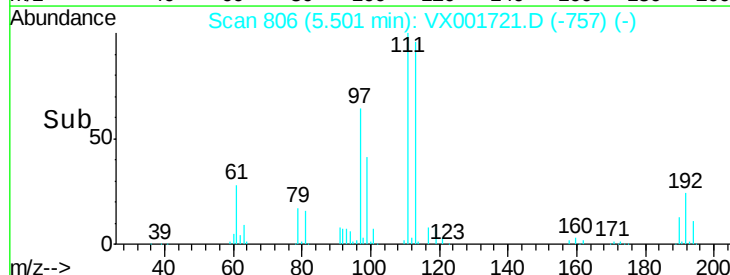
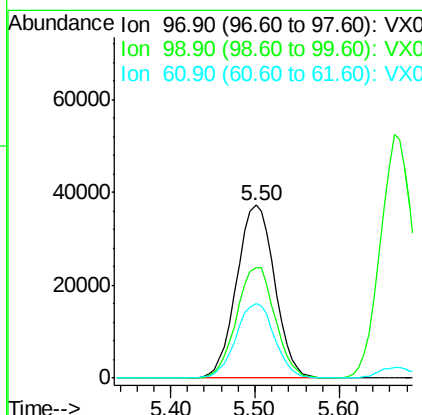
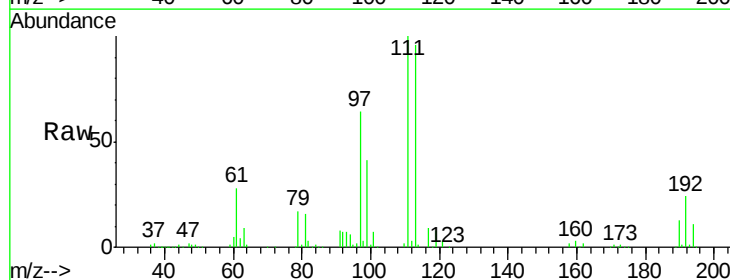
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Tgt Ion:	97	Resp:	114362
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	43.5	34.0	51.0





#33

1,2-Dichloroethane-d4

Concen: 52.09 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion: 65 Resp: 218152

Ion Ratio Lower Upper

65 100

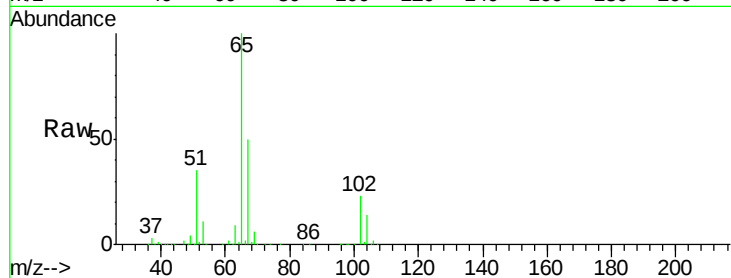
67 51.2 0.0 102.8

Manual Integrations

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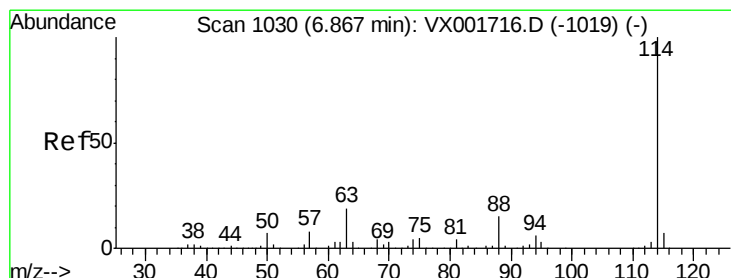
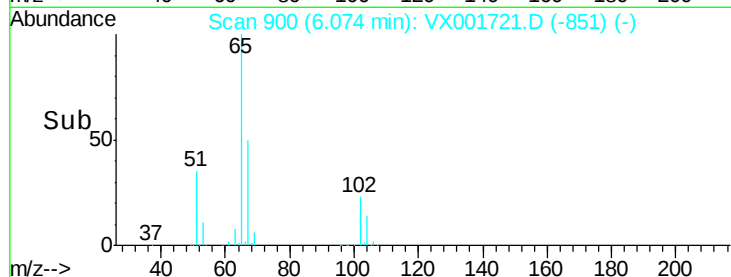
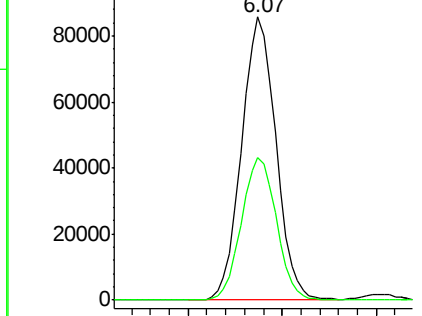
MMDadoda

5/16/2018 11:54:10 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

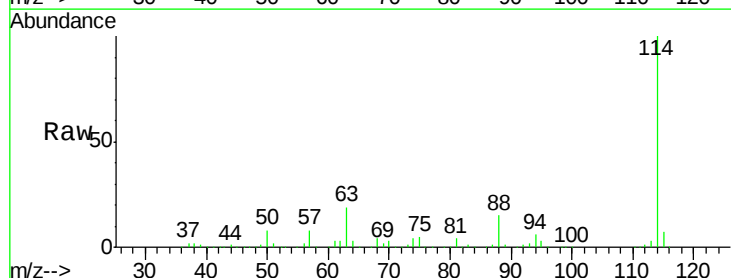
Tgt Ion: 114 Resp: 427265

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.0

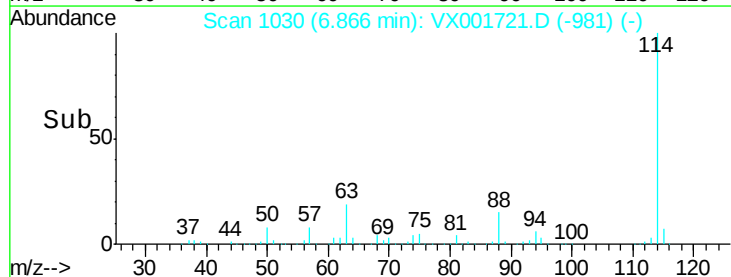
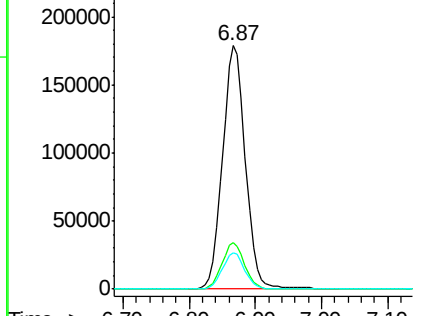
88 14.9 0.0 29.8

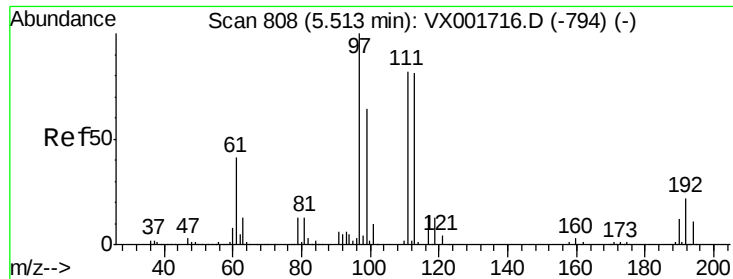


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





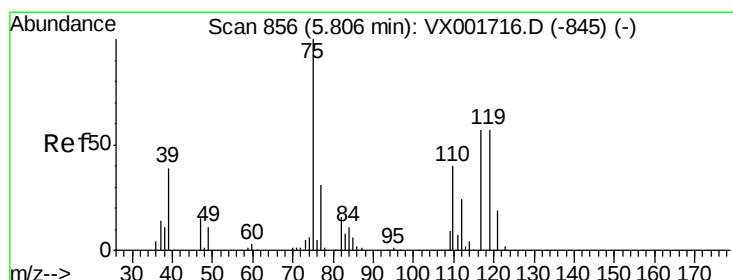
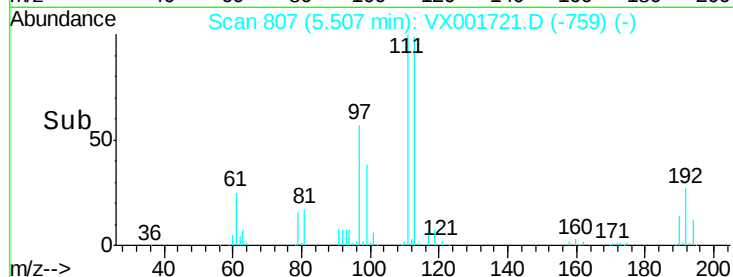
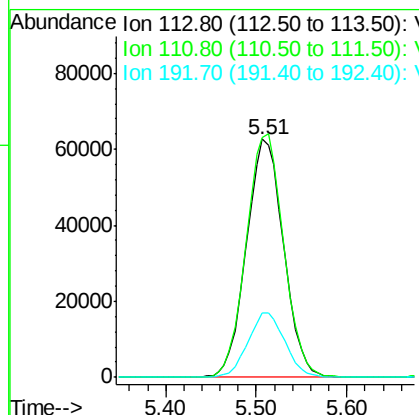
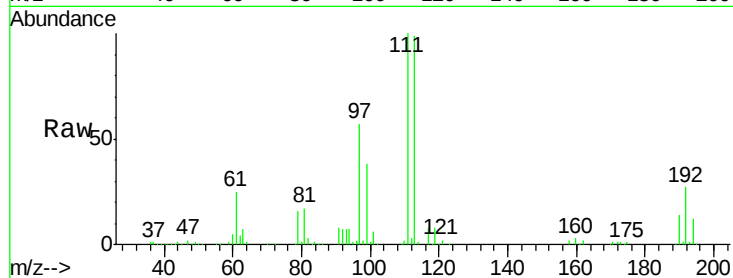
#35
 Dibromofluoromethane
 Concen: 49.36 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001721.D
 Acq: 14 May 2018 20:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	177974		
111	102.9	82.0	123.0	
192	27.0	21.6	32.4	

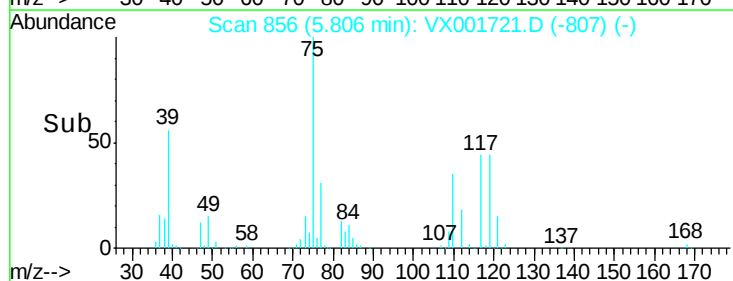
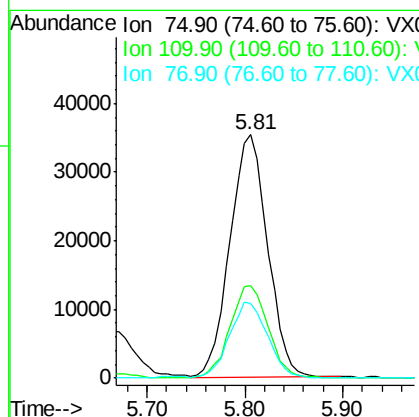
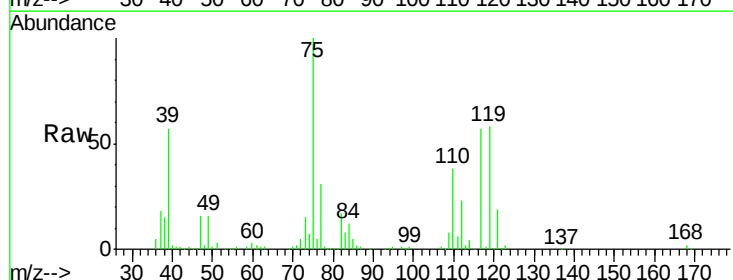
Manual Integrations
 APPROVED

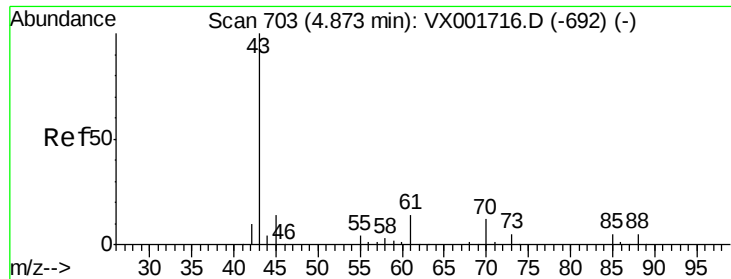
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.19 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX001721.D
 Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	94388		
110	38.8	19.1	57.1	
77	31.1	24.6	37.0	





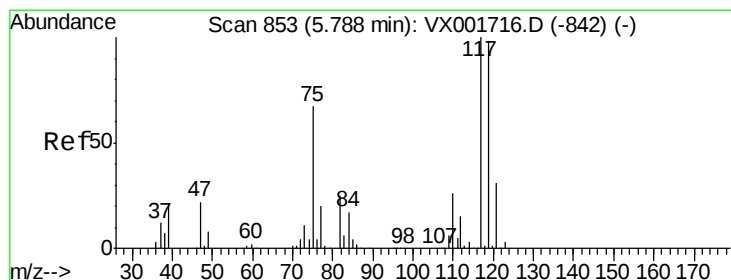
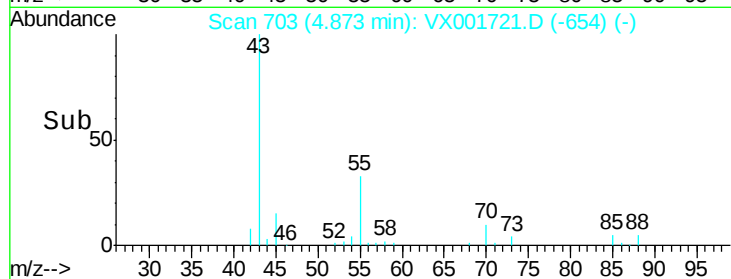
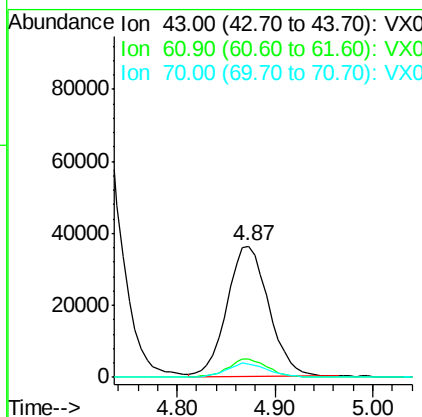
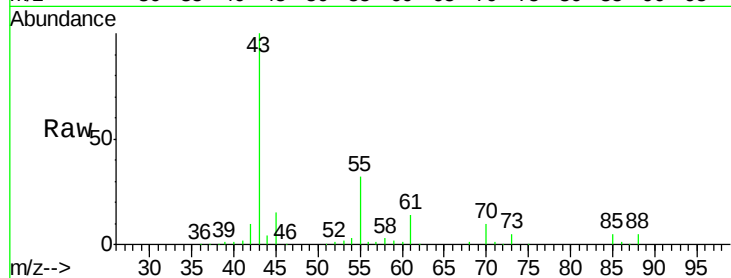
#37
Ethyl Acetate
Concen: 20.85 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.9	16.3
70	10.7	8.8	13.2

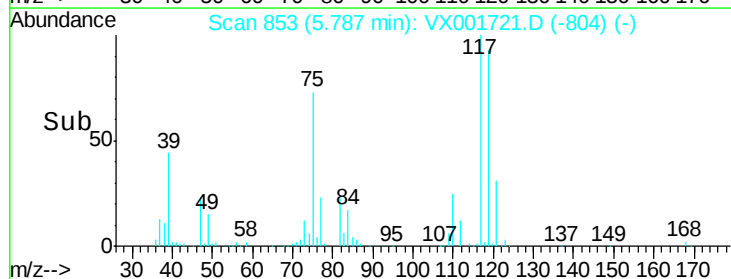
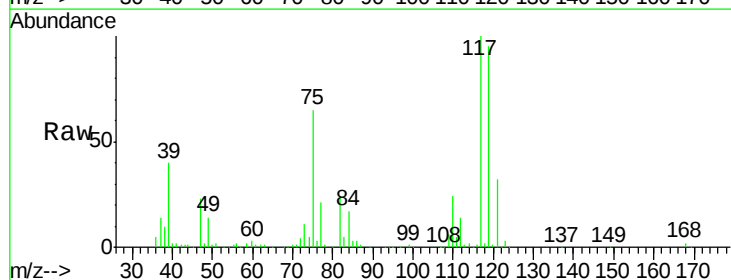
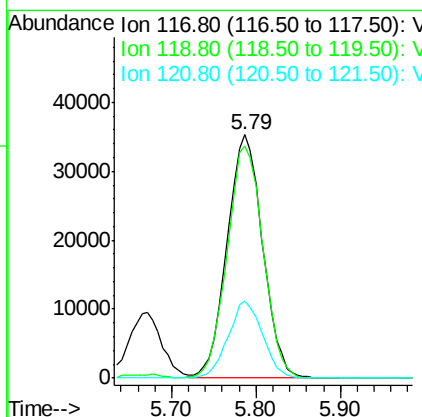
Manual Integrations
APPROVED

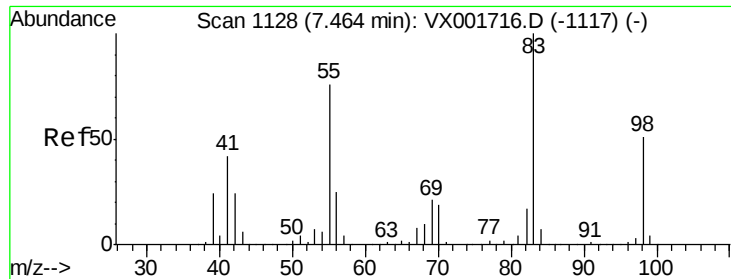
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.63 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.6	116.4
121	31.7	24.6	36.8





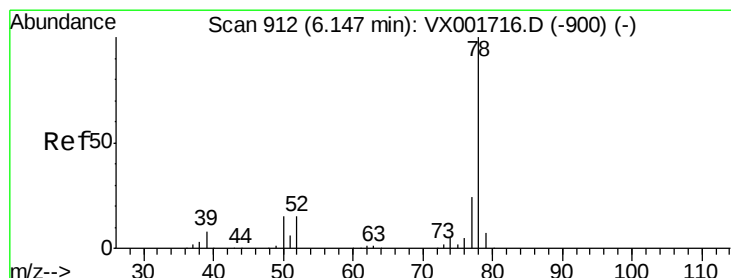
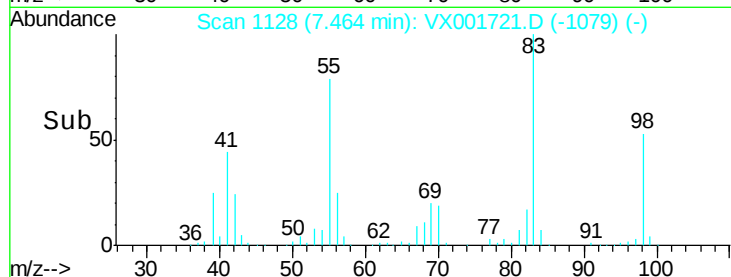
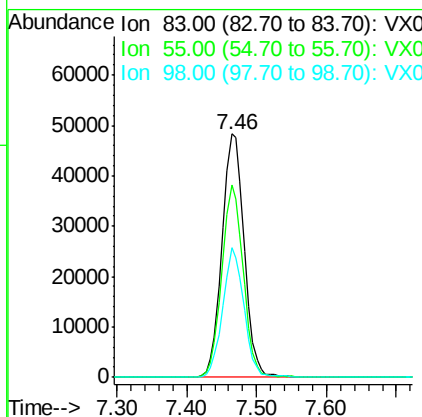
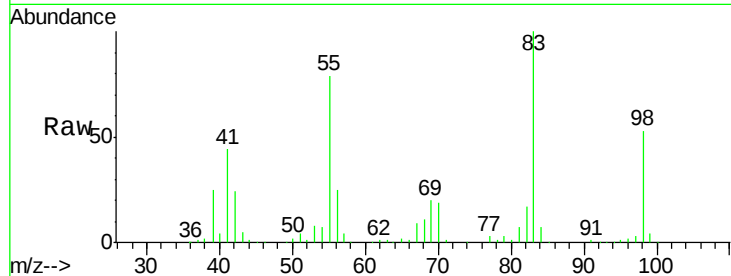
#39
Methvlcvclohexane
Concen: 18.62 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.9	60.6	90.8	
98	53.3	40.4	60.6	

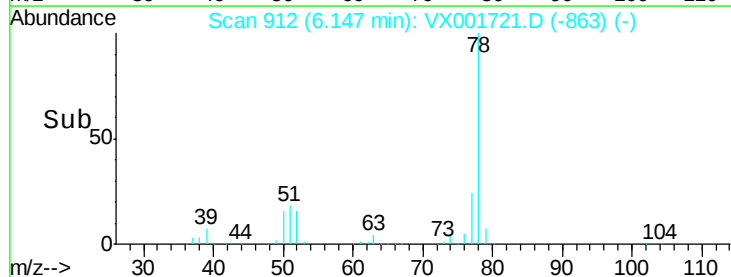
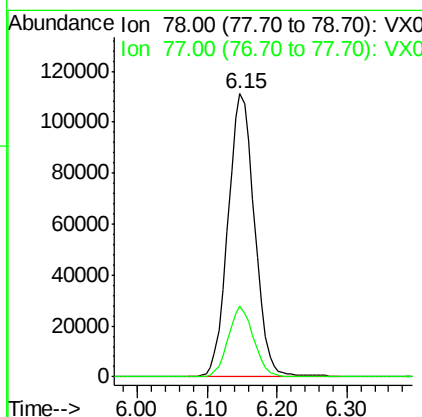
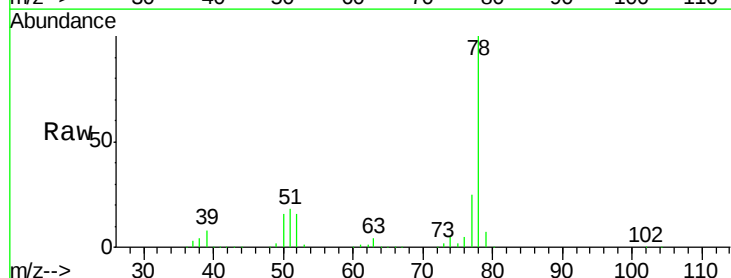
Manual Integrations
APPROVED

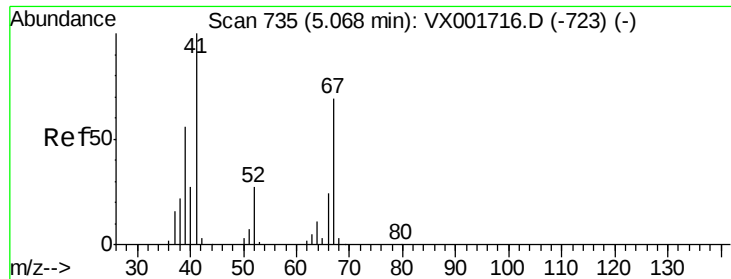
MMDadoda
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#40
Benzene
Concen: 20.28 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.8	19.0	28.4	





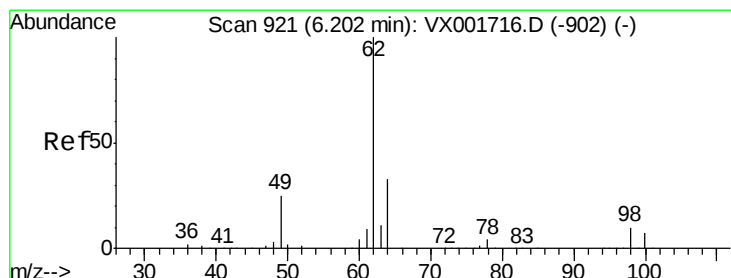
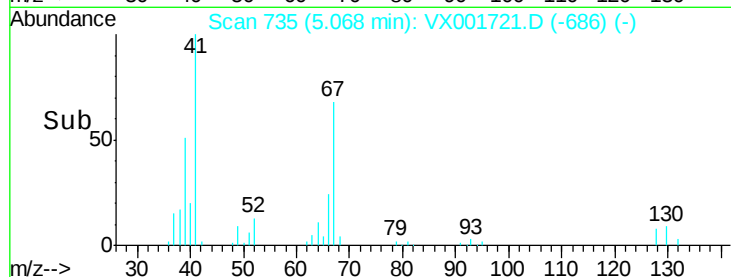
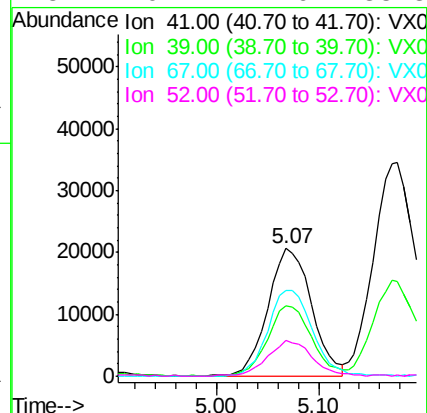
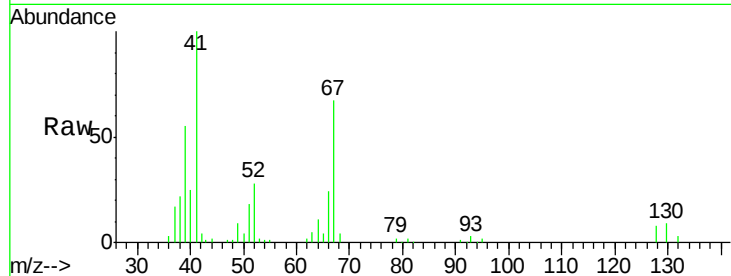
#41
Methacrylonitrile
Concen: 20.77 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		61570		
39	55.4	44.2	66.4		
67	69.1	56.0	84.0		
52	29.1	22.6	33.8		

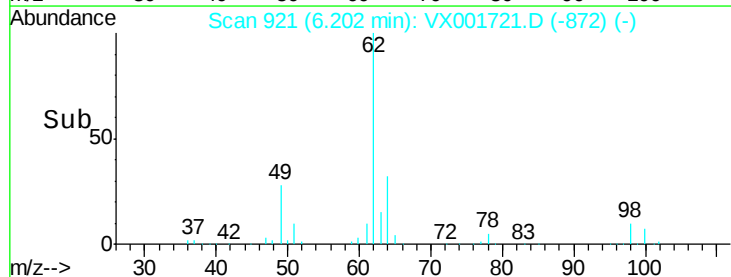
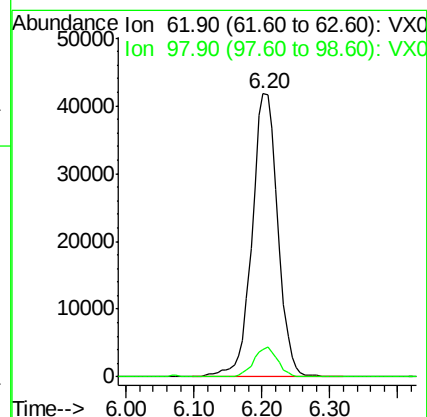
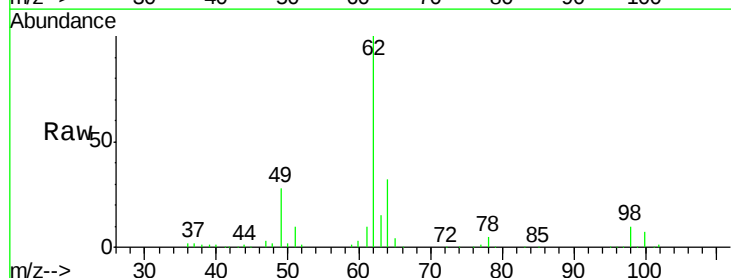
Manual Integrations
APPROVED

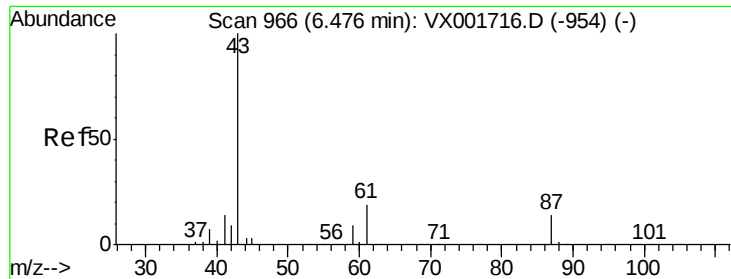
MMDadoda
5/16/2018 11:54:10 AM



#42
1,2-Dichloroethane
Concen: 20.99 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		110011		
98	9.8	0.0	20.0		





#43

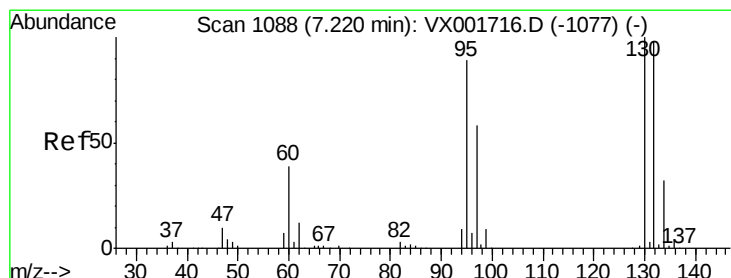
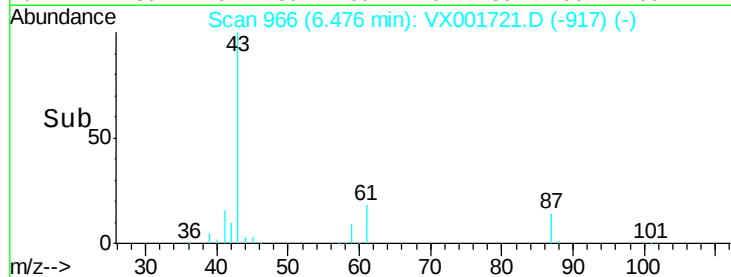
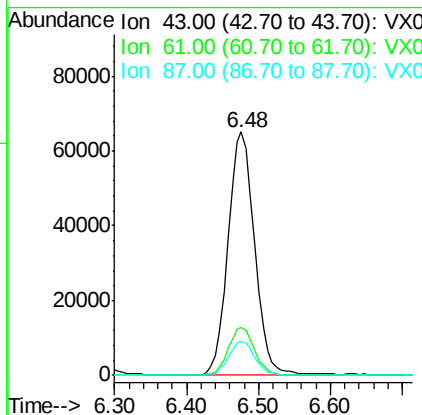
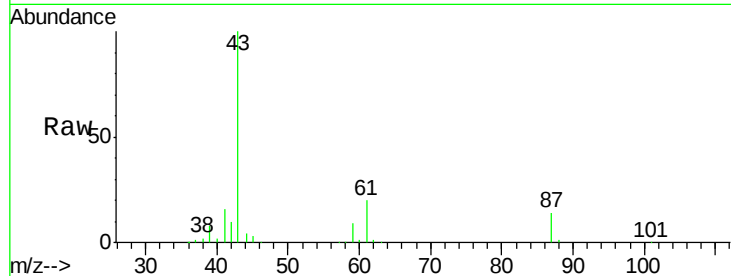
Isopropyl Acetate
 Concen: 20.76 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX001721.D
 Acq: 14 May 2018 20:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.8	23.8
87	13.9	11.0	16.4

Manual Integrations
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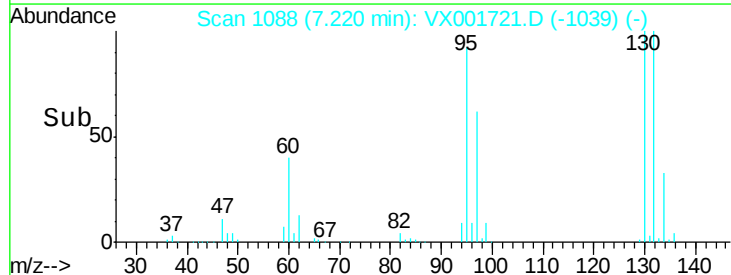
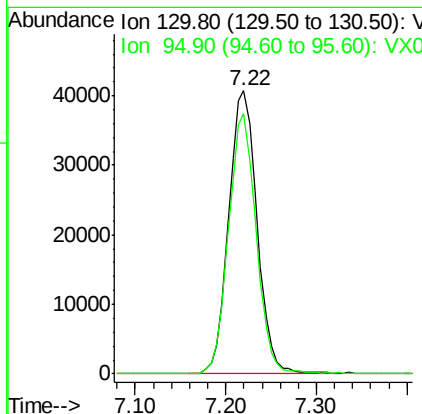
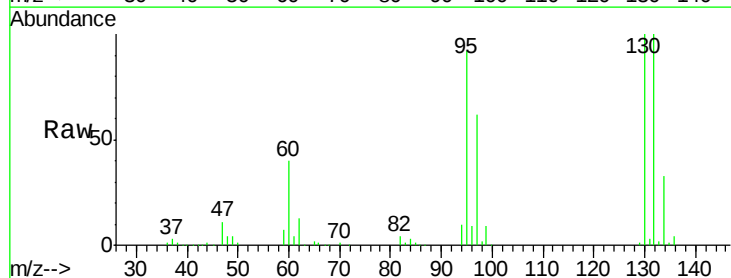
MMDadoda
 5/16/2018 11:54:10 AM

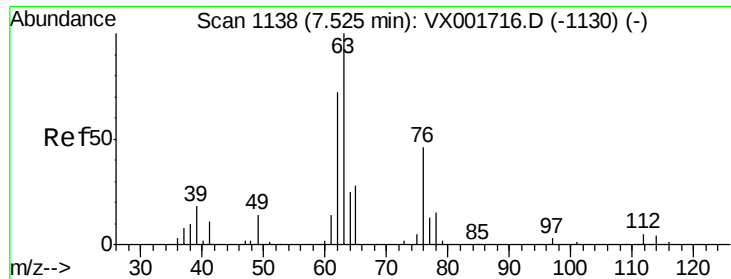


#44

Trichloroethene
 Concen: 19.66 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001721.D
 Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	177.2





#45

1,2-Dichloropropane

Concen: 20.64 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion: 63 Resp: 73411

Ion Ratio Lower Upper

63 100

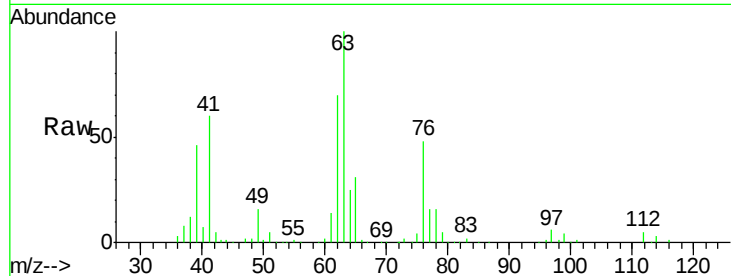
65 30.9 24.2 36.2

Manual Integrations

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MMDadoda

5/16/2018 11:54:10 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

40000

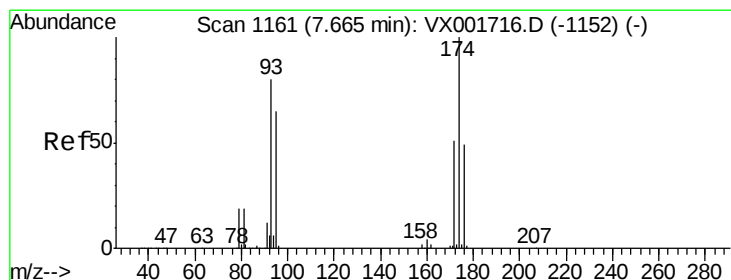
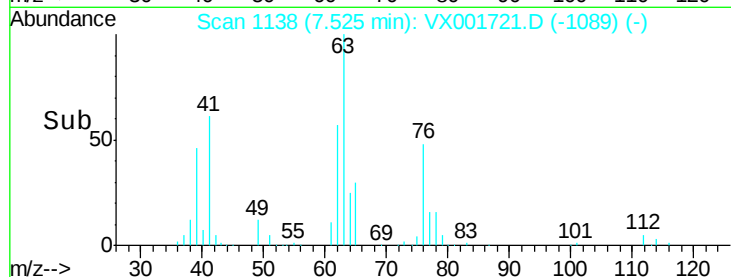
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 20.23 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

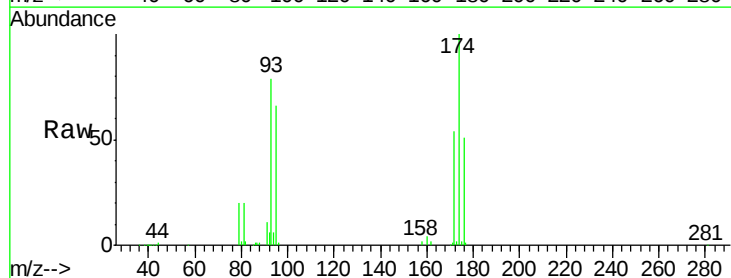
Tgt Ion: 93 Resp: 50516

Ion Ratio Lower Upper

93 100

95 81.7 65.9 98.9

174 133.2 106.2 159.2



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

50000

40000

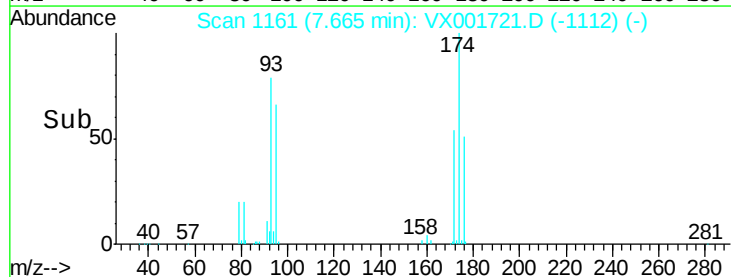
30000

20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 20.49 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

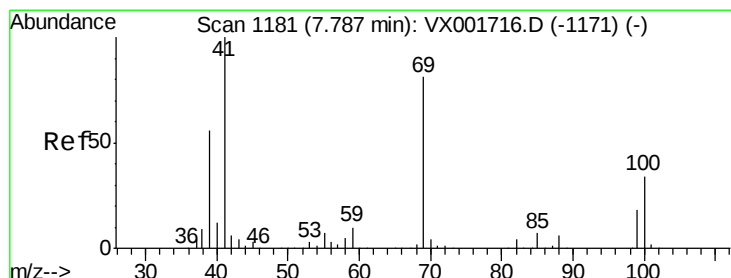
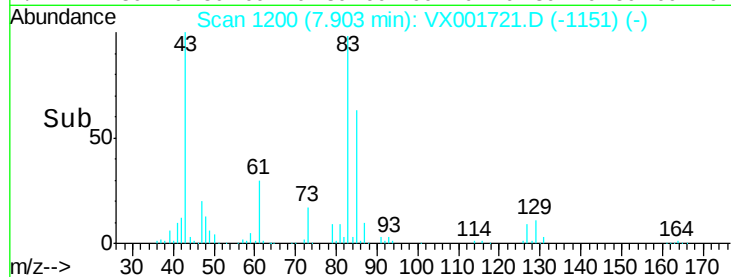
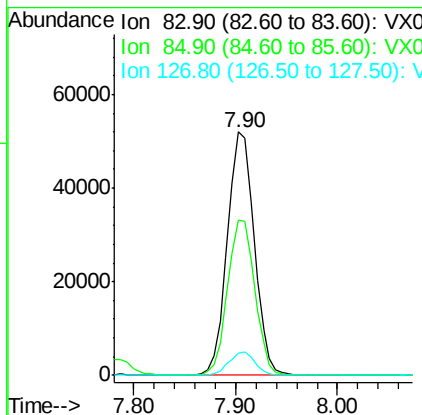
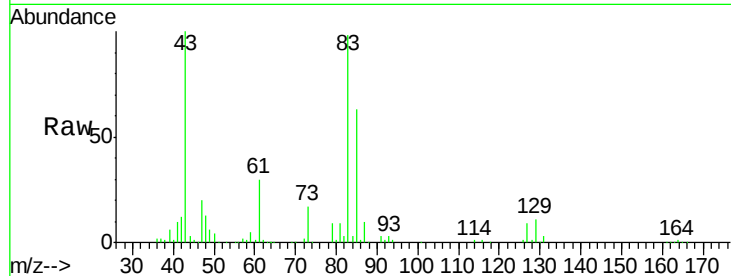
ClientSampleId :

VX0515WBS01

Tot Ion:	83	Resp:	94942
Ion	Ratio	Lower	Upper
83	100		
85	64.0	49.6	74.4
127	9.0	7.5	11.3

Manual Integrations
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MMDadoda
5/16/2018 11:54:10 AM



#48

Methyl methacrylate

Concen: 21.26 ug/l

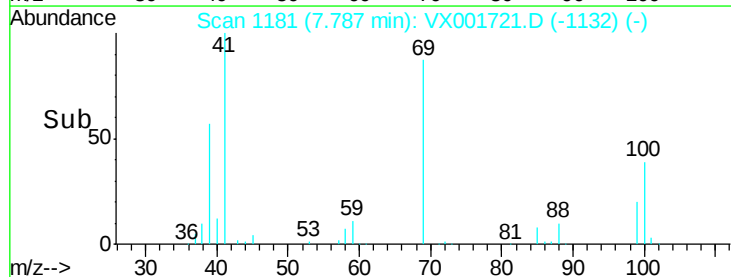
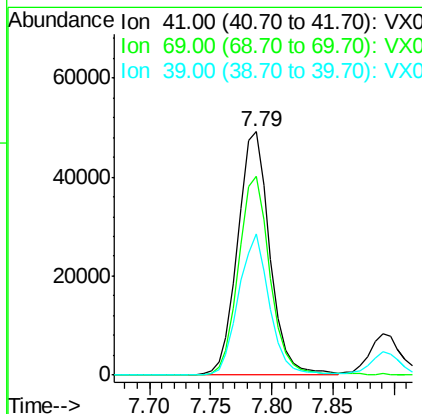
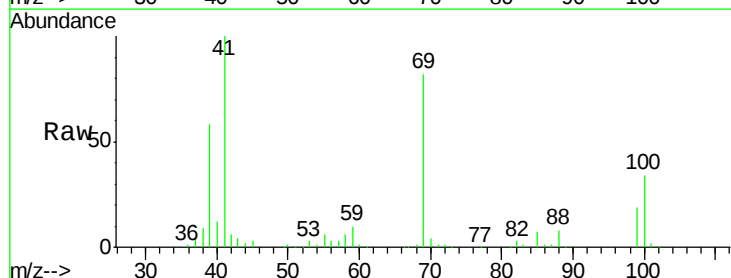
RT: 7.79 min Scan# 1181

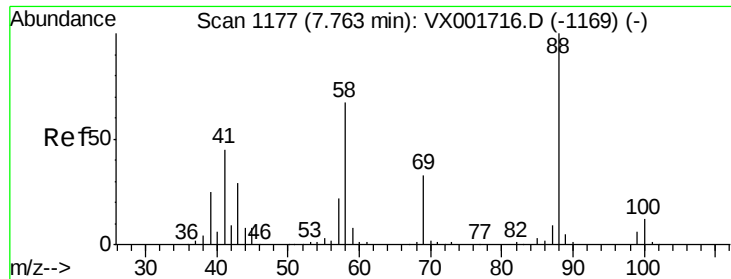
Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Tgt Ion:	41	Resp:	89792
Ion	Ratio	Lower	Upper
41	100		
69	80.5	65.2	97.8
39	55.1	44.5	66.7





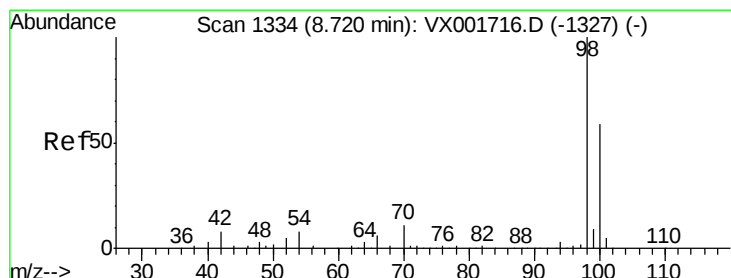
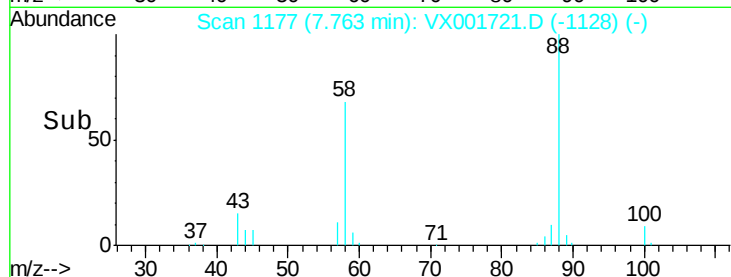
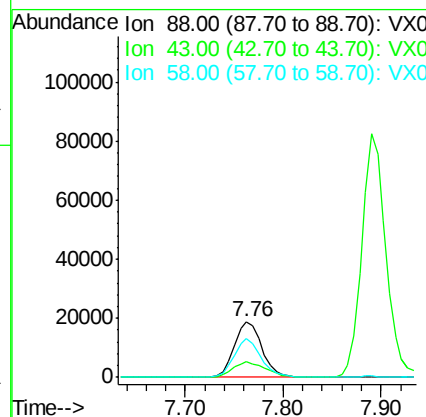
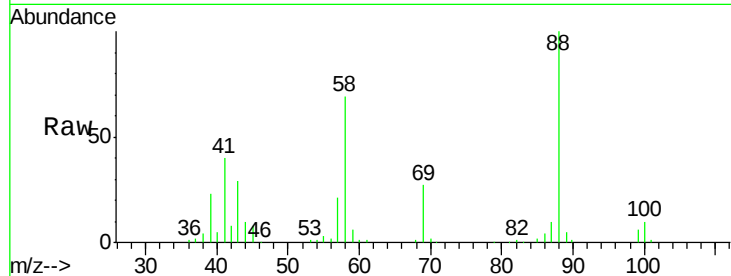
#49
1,4-Dioxane
Concen: 453.71 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	27.3	40.9
58	68.4	55.9	83.9

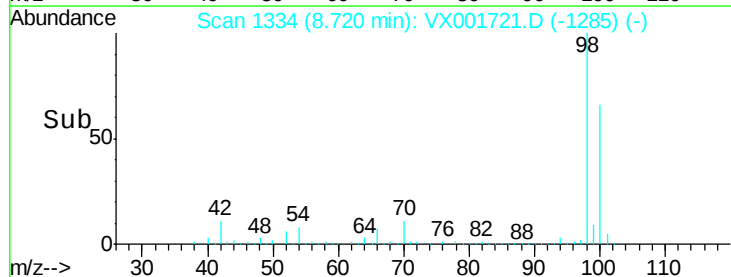
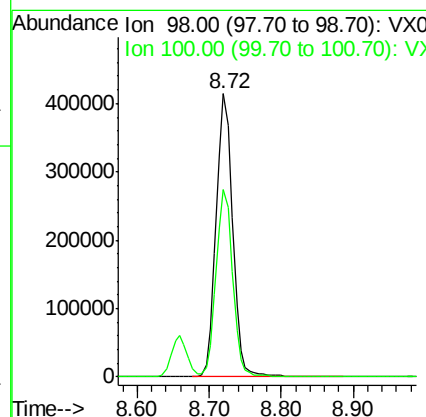
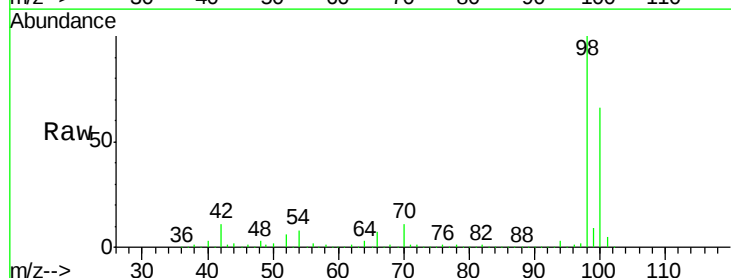
Manual Integrations
APPROVED

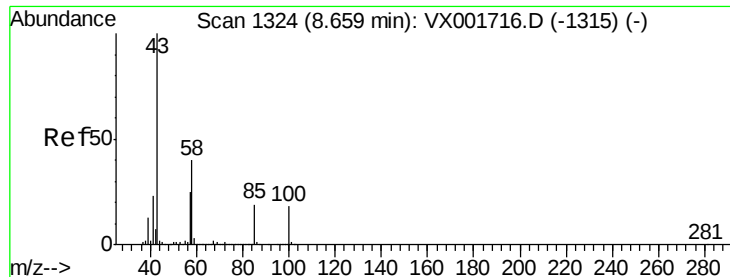
MMDadoda
5/16/2018 11:54:10 AM



#50
Toluene-d8
Concen: 51.12 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	54.0	81.0





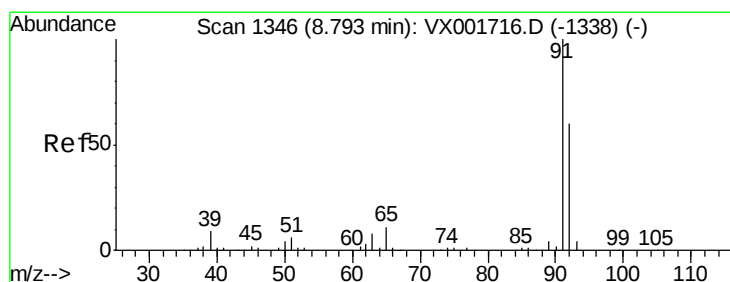
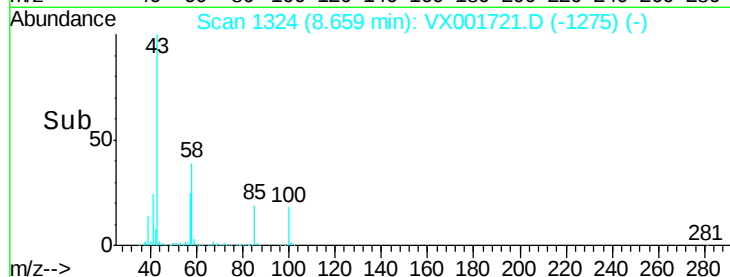
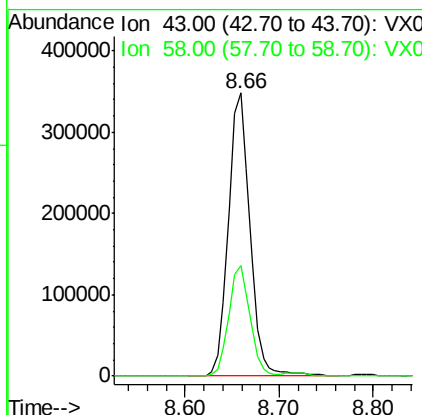
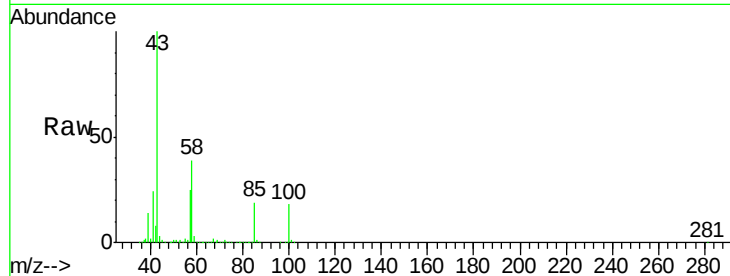
#51
4-Methyl-2-Pentanone
Concen: 109.38 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	31.4	47.0

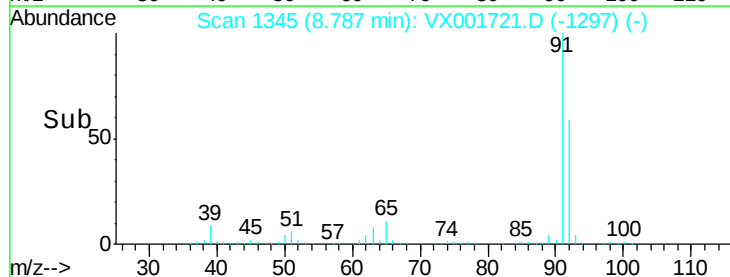
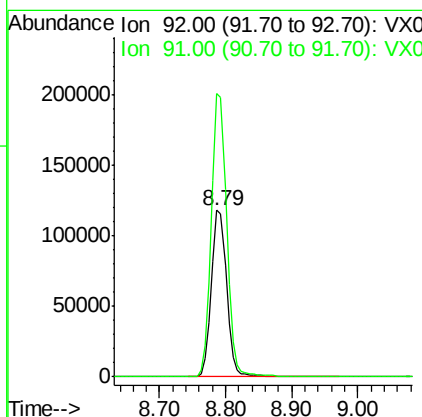
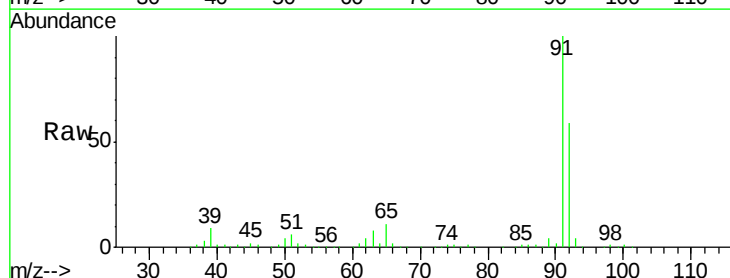
Manual Integrations
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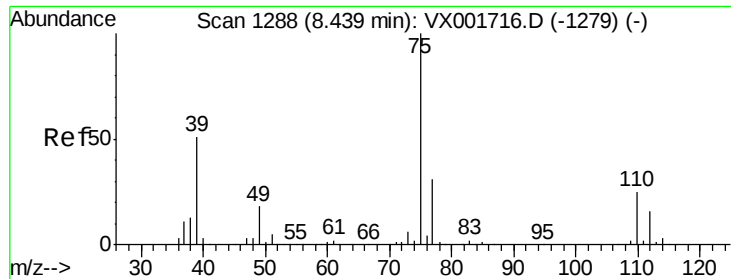
MMDadoda
5/16/2018 11:54:10 AM



#52
Toluene
Concen: 20.43 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.1	135.5	203.3





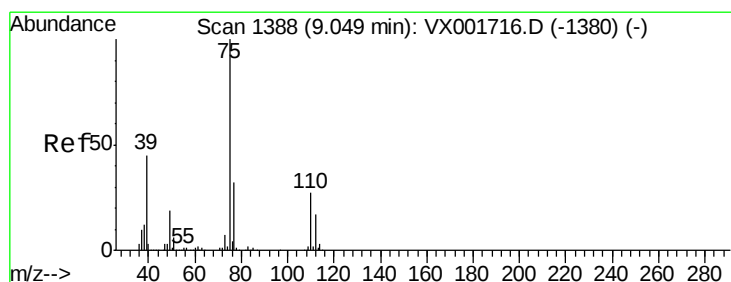
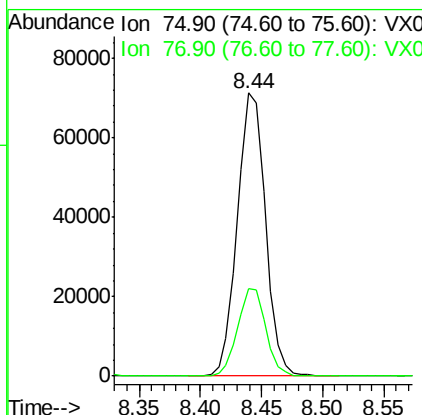
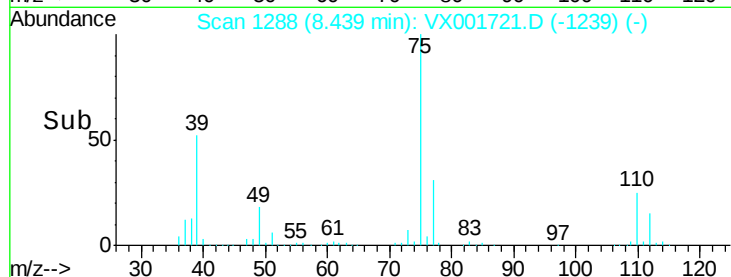
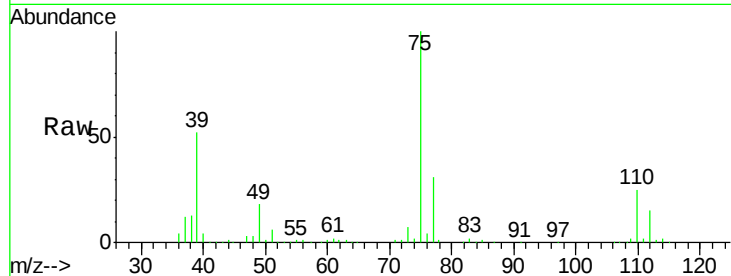
#53
t-1,3-Dichloropropene
Concen: 20.86 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion: 75 Resp: 113741
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.6

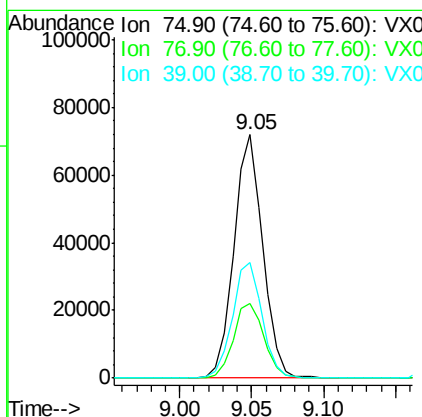
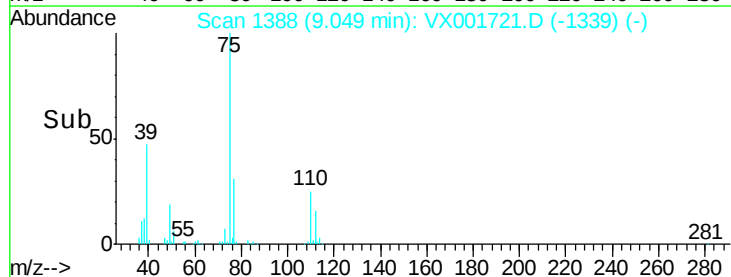
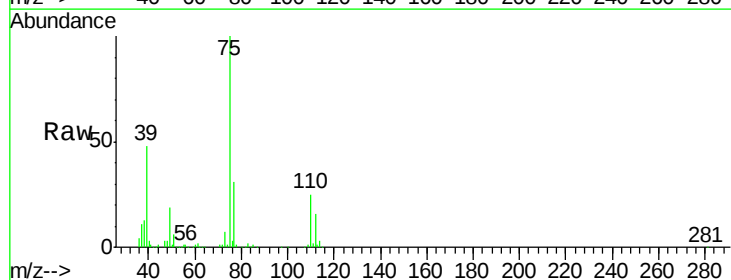
Manual Integrations
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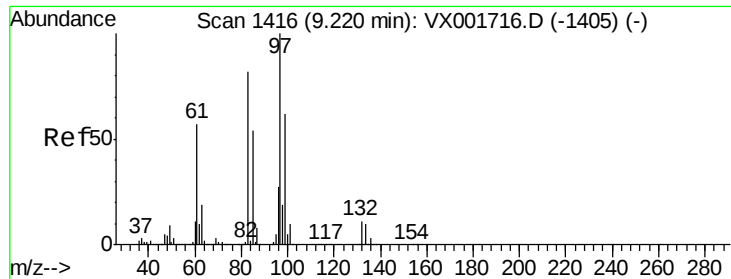
MMDadoda
5/16/2018 11:54:10 AM



#54
cis-1,3-Dichloropropene
Concen: 20.91 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion: 75 Resp: 100489
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.2
39 47.6 36.1 54.1





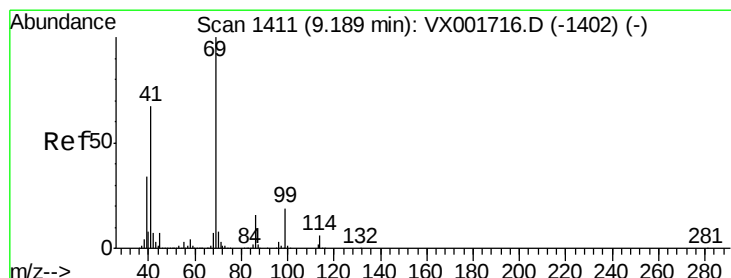
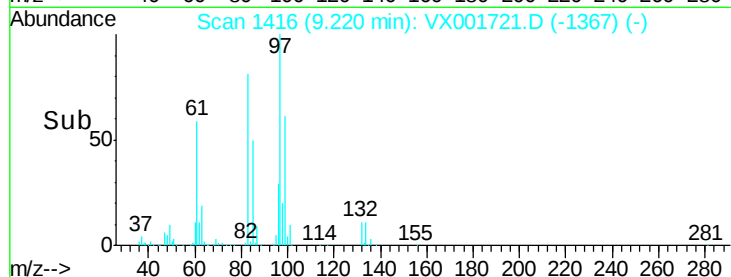
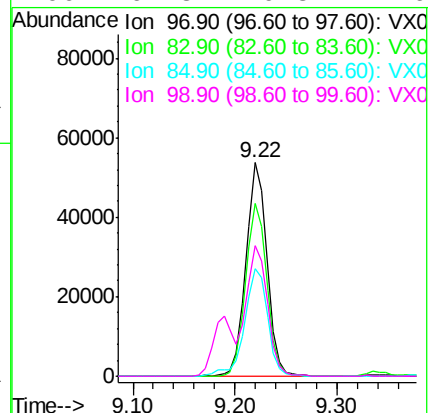
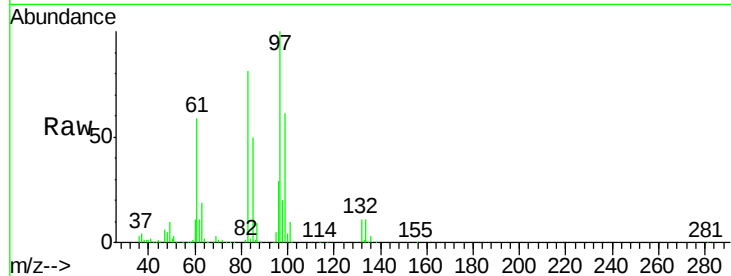
#55
 1,1,2-Trichloroethane
 Concen: 21.46 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001721.D
 Acq: 14 May 2018 20:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		76378		
83	80.9	65.8	98.8		
85	50.2	43.4	65.0		
99	61.3	49.8	74.6		

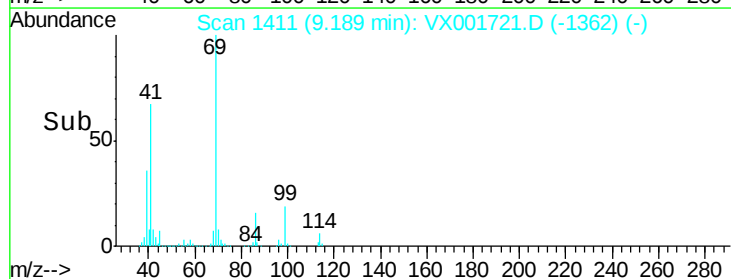
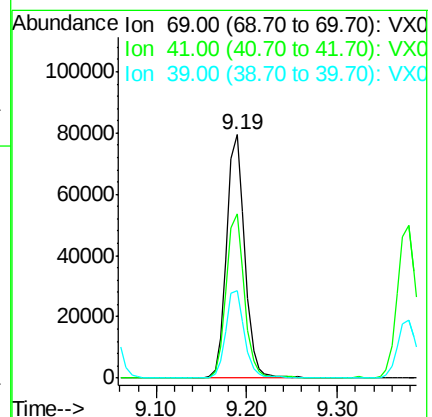
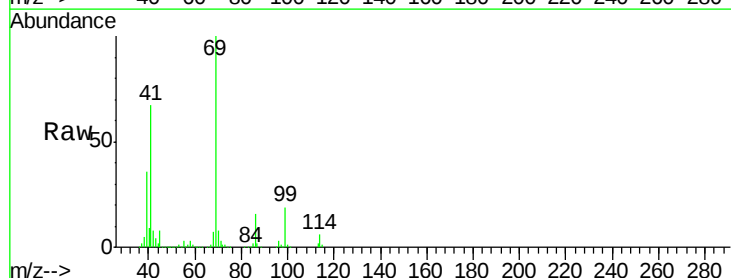
Manual Integrations
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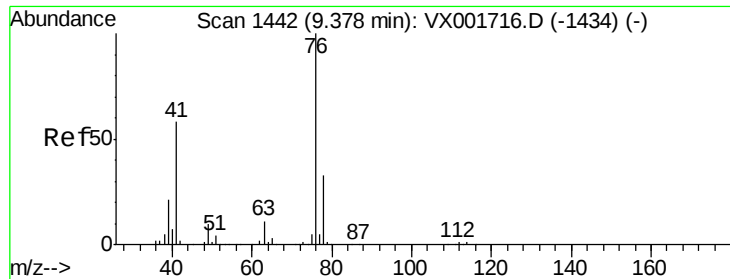
MMDadoda
 5/16/2018 11:54:10 AM



#56
 Ethyl methacrylate
 Concen: 22.06 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001721.D
 Acq: 14 May 2018 20:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		111364		
41	67.7	53.5	80.3		
39	36.6	27.2	40.8		





#57

1,3-Dichloropropane

Concen: 20.51 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion: 76 Resp: 122248

Ion Ratio Lower Upper

76 100

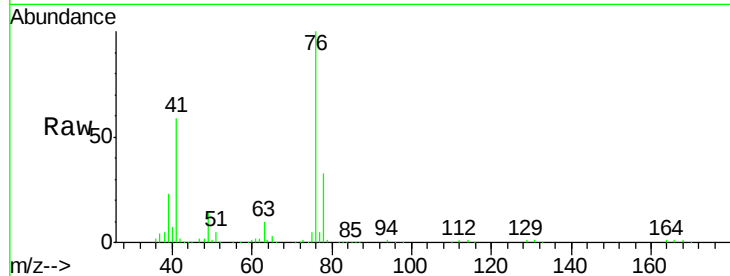
78 32.4 25.8 38.6

Manual Integrations

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MMDadoda

5/16/2018 11:54:10 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

100000

80000

60000

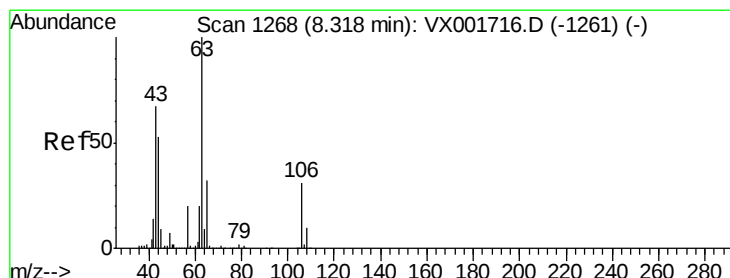
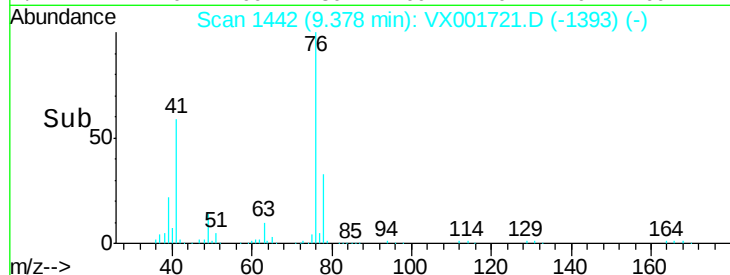
40000

20000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 108.18 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX001721.D

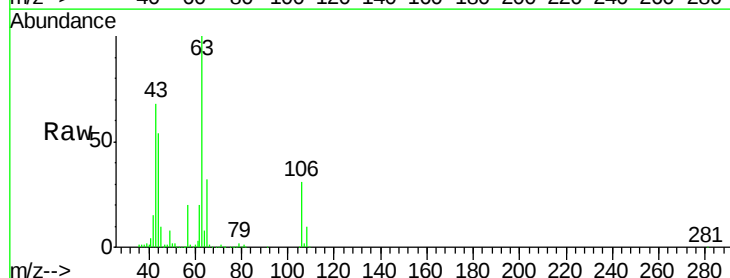
Acq: 14 May 2018 20:56

Tgt Ion: 63 Resp: 280900

Ion Ratio Lower Upper

63 100

106 31.3 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

200000

150000

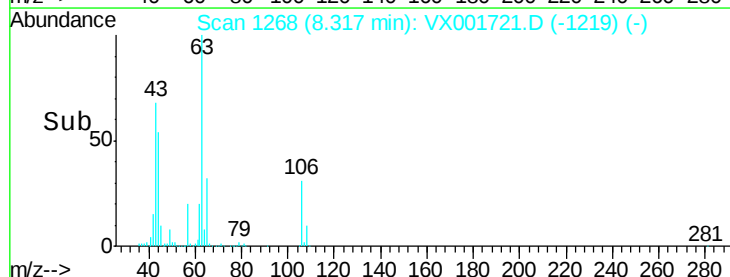
100000

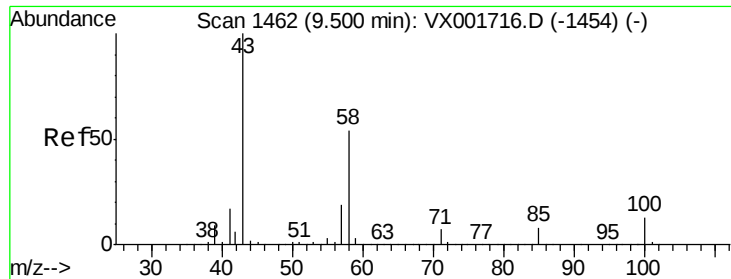
50000

0

8.30 8.40

Time-->





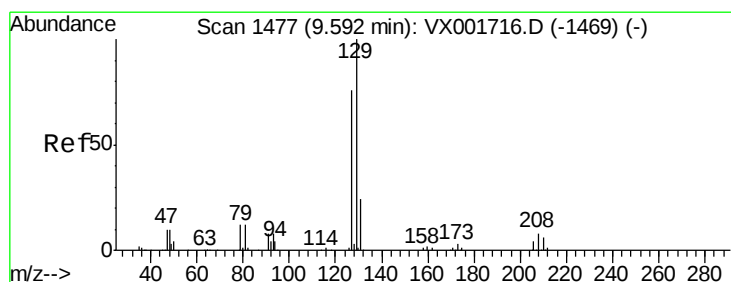
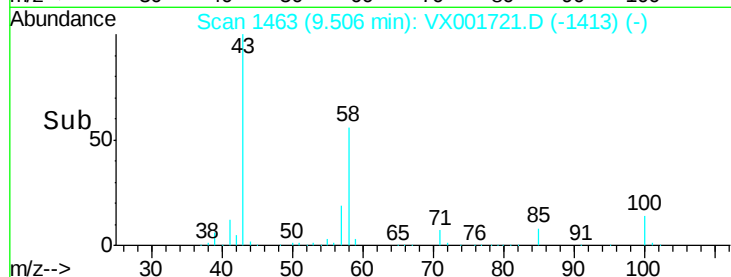
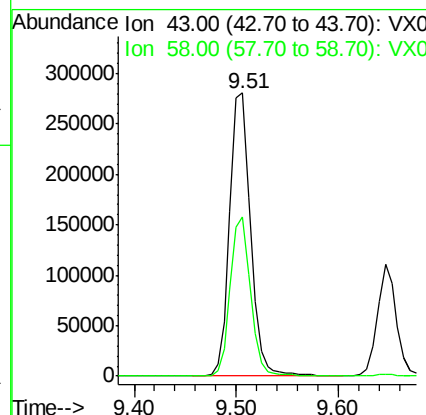
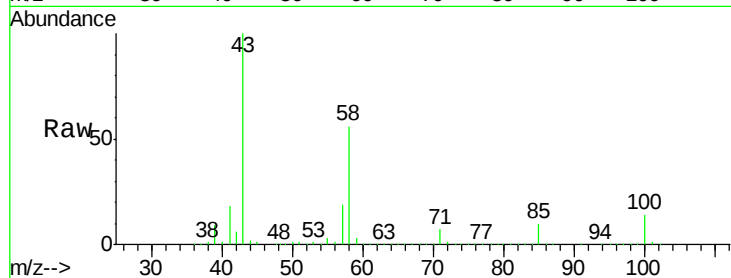
#59
2-Hexanone
Concen: 109.93 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion: 43 Resp: 400070
Ion Ratio Lower Upper
43 100
58 54.6 27.7 83.1

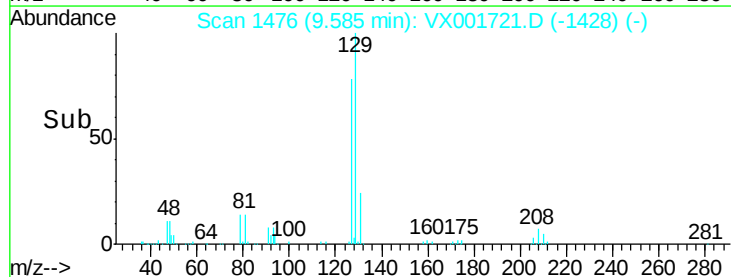
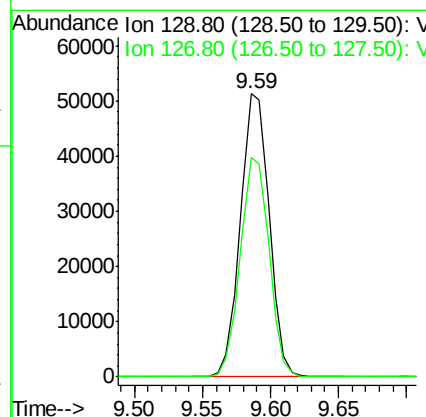
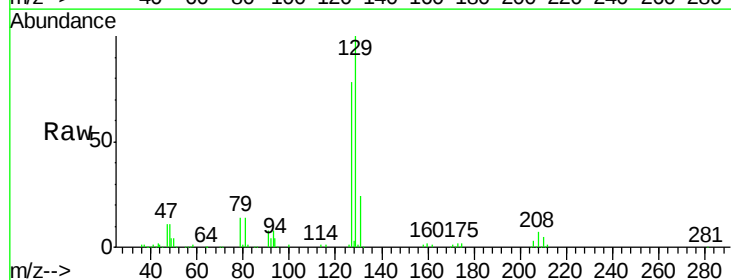
Manual Integrations
APPROVED

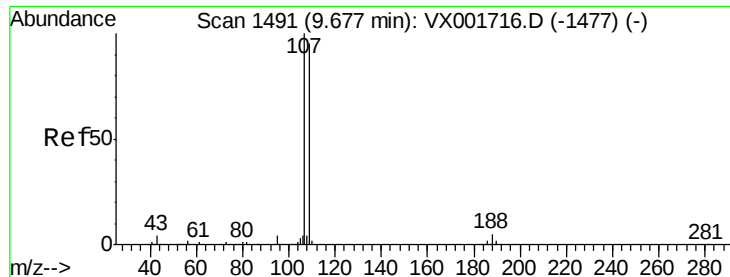
MMDadoda
5/16/2018 11:54:10 AM



#60
Dibromochloromethane
Concen: 20.82 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion: 129 Resp: 75899
Ion Ratio Lower Upper
129 100
127 77.6 38.7 116.1





#61

1,2-Dibromoethane

Concen: 21.23 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion:107 Resp: 79120

Ion Ratio Lower Upper

107 100

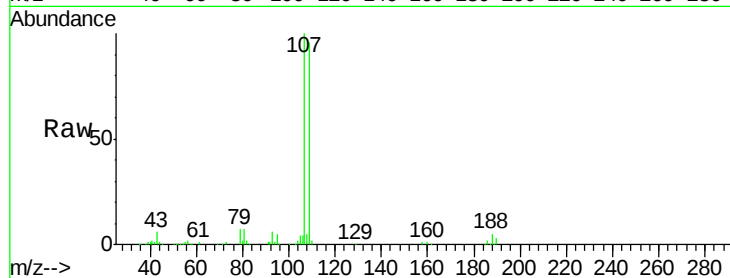
109 95.1 76.2 114.2

Manual Integrations

APPROVED

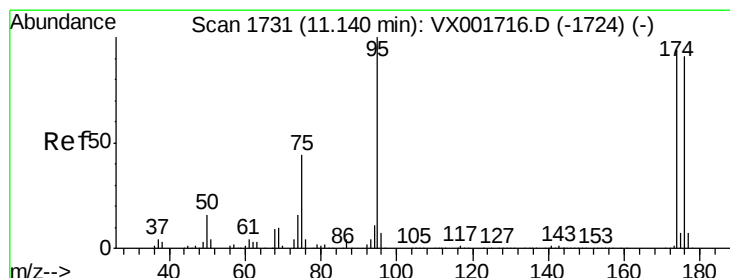
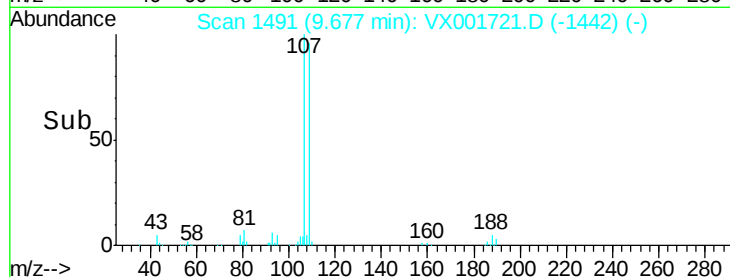
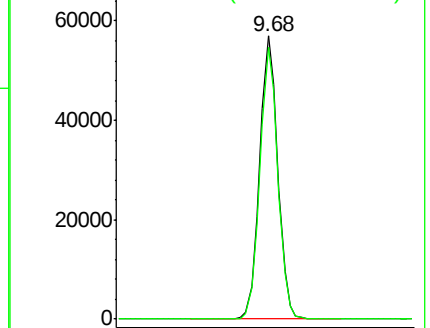
MMDadoda

5/16/2018 11:54:10 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.97 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

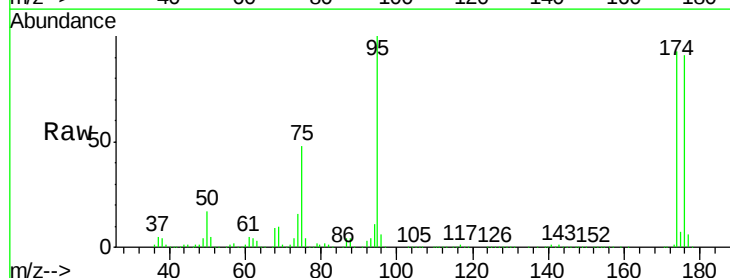
Tgt Ion: 95 Resp: 232337

Ion Ratio Lower Upper

95 100

174 100.8 0.0 201.8

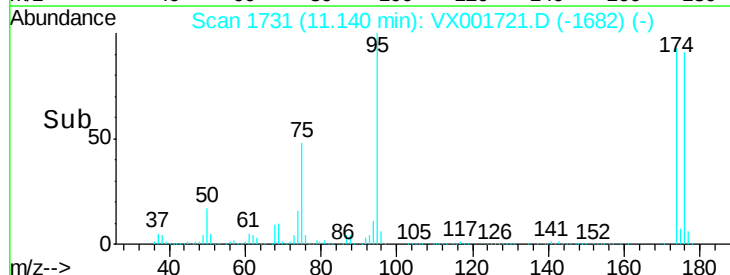
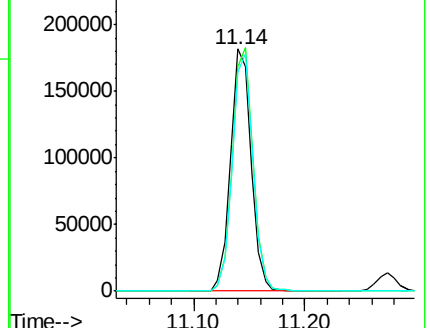
176 98.4 0.0 196.8

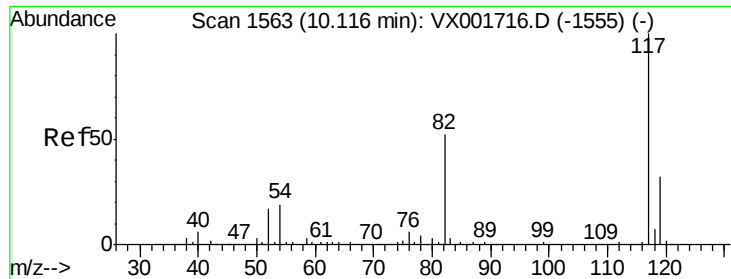


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





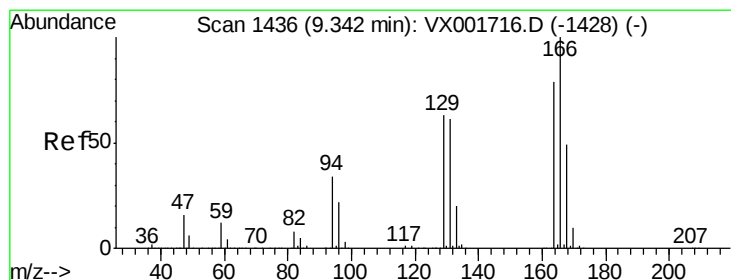
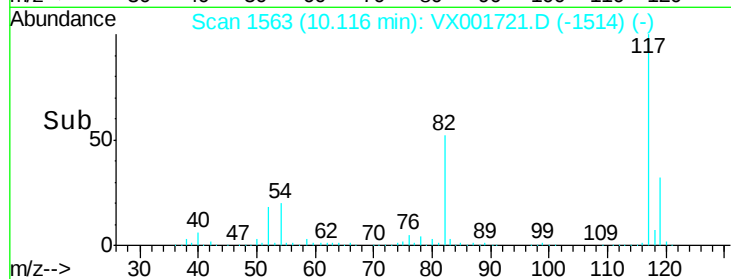
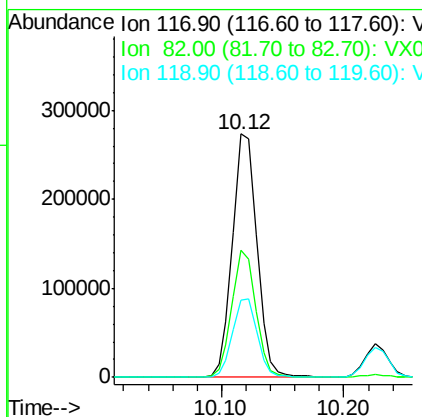
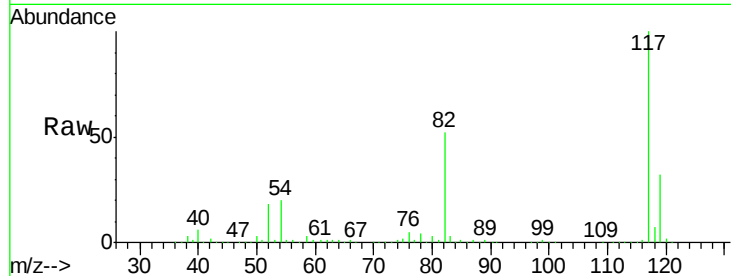
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.4	62.2
119	31.7	25.6	38.4

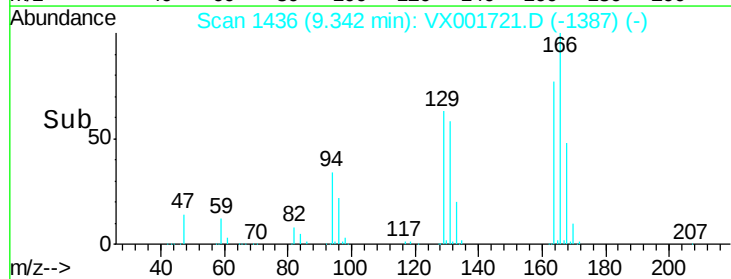
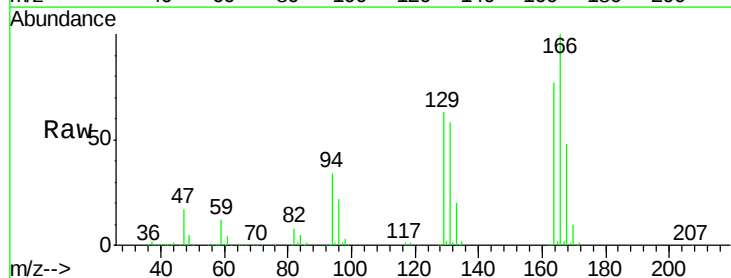
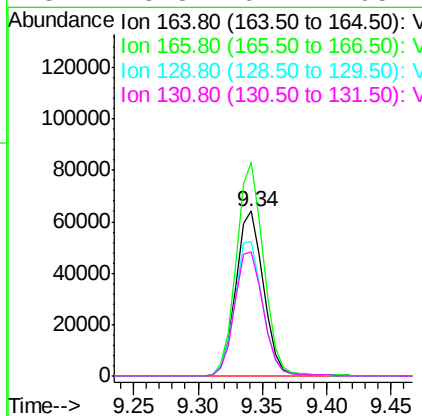
Manual Integrations
APPROVED

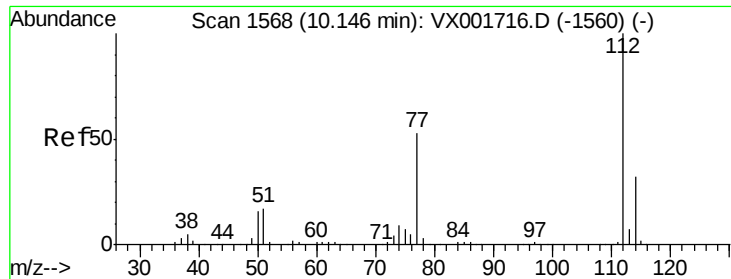
MMDadoda
5/16/2018 11:54:10 AM



#64
Tetrachloroethene
Concen: 19.33 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	101.8	152.8
129	81.5	63.8	95.6
131	75.3	62.2	93.2





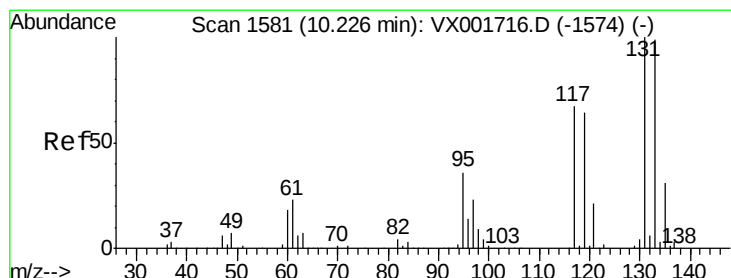
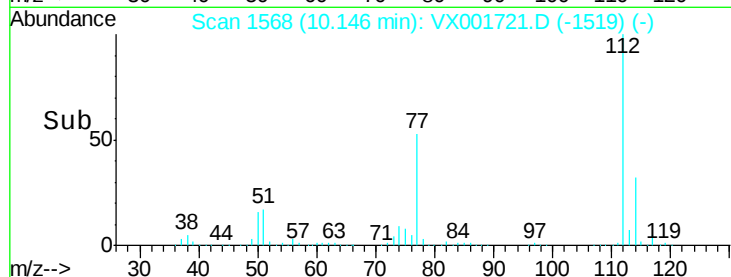
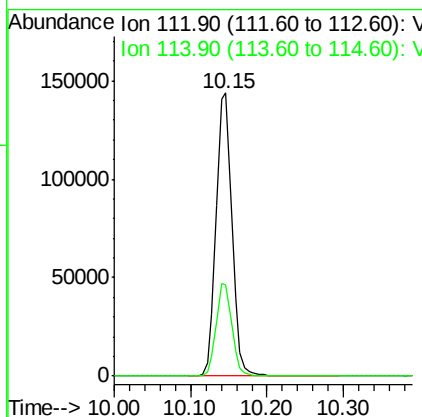
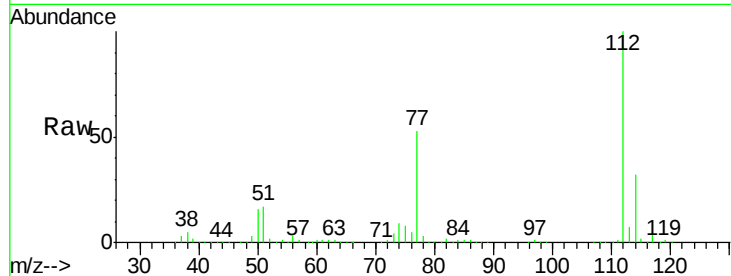
#65
Chlorobenzene
Concen: 19.76 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion:112 Resp: 206855
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4

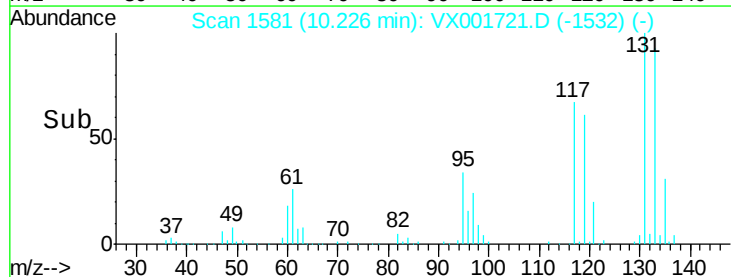
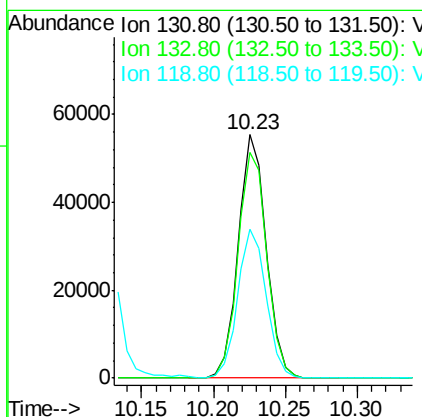
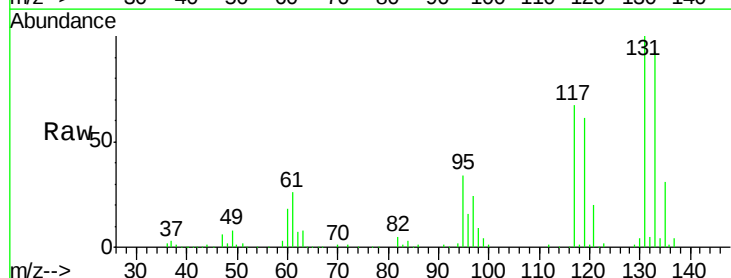
Manual Integrations
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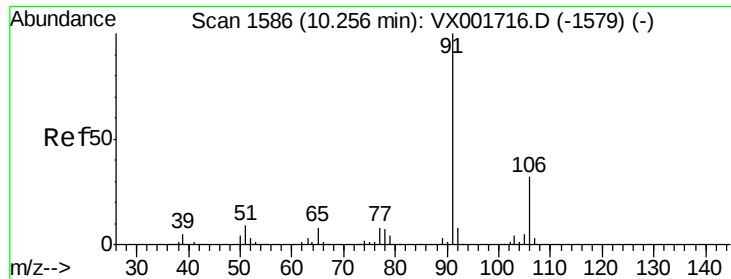
MMDadoda
5/16/2018 11:54:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.12 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion:131 Resp: 74394
Ion Ratio Lower Upper
131 100
133 95.7 48.5 145.6
119 62.6 31.9 95.5





#67

Ethyl Benzene

Concen: 19.58 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion: 91 Resp: 327545

Ion Ratio Lower Upper

91 100

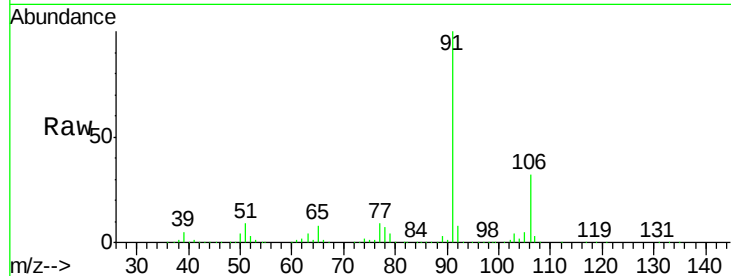
106 31.6 25.7 38.5

Manual Integrations

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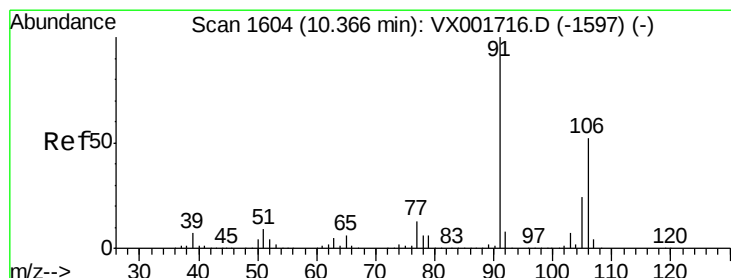
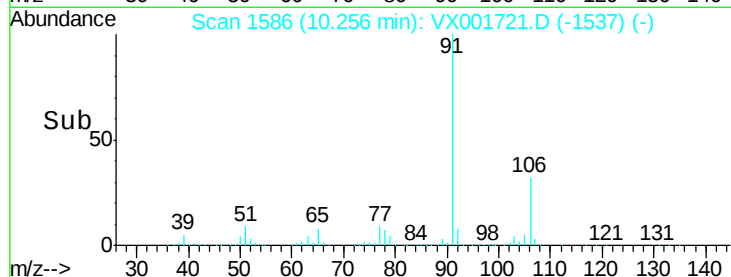
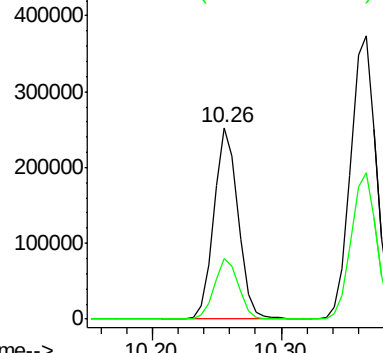
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.70 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001721.D

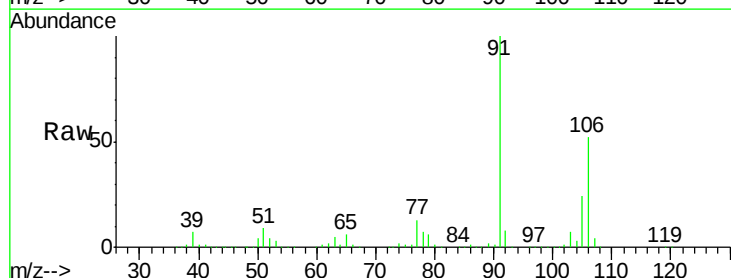
Acq: 14 May 2018 20:56

Tgt Ion: 106 Resp: 262005

Ion Ratio Lower Upper

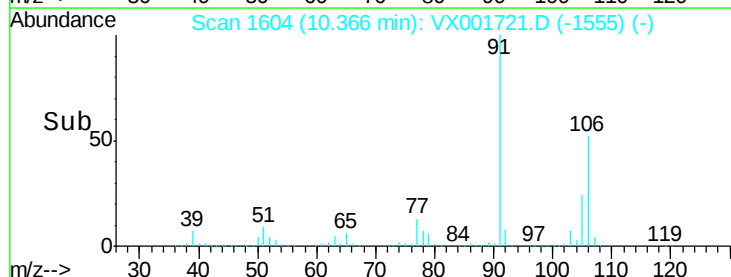
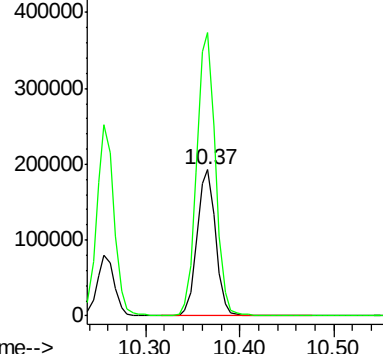
106 100

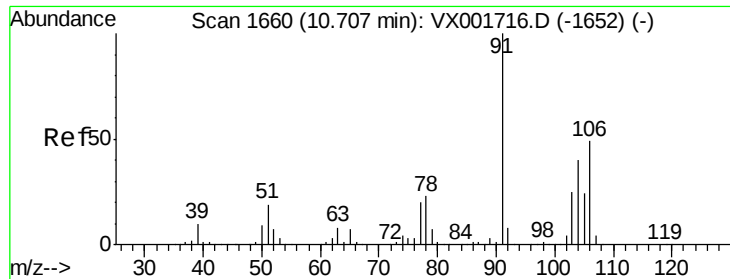
91 195.3 155.4 233.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





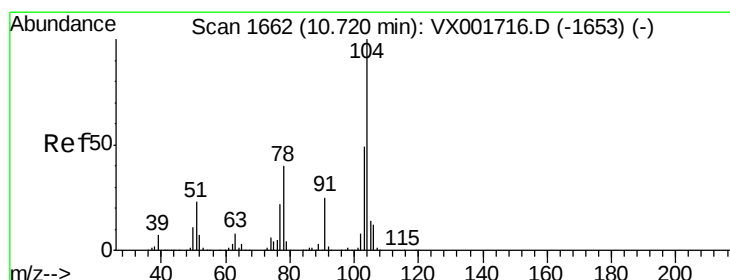
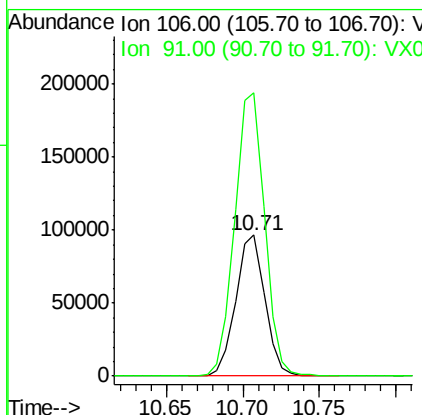
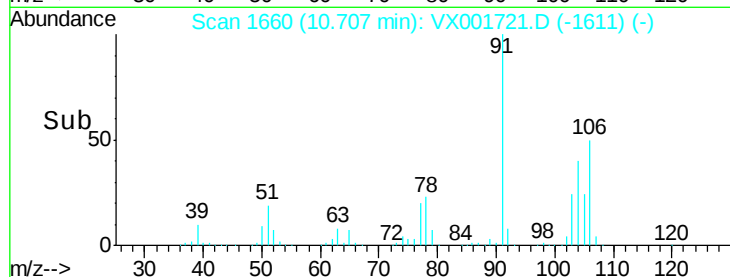
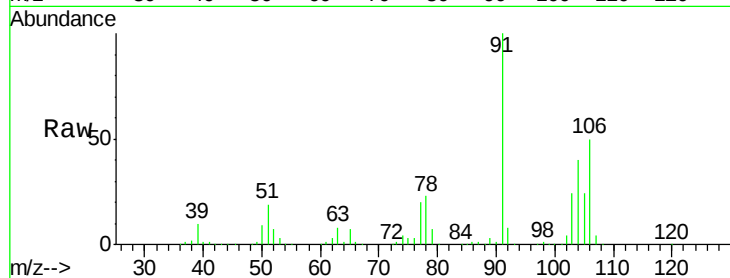
#69
o-Xylene
Concen: 20.18 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion:106 Resp: 127570
Ion Ratio Lower Upper
106 100
91 207.5 103.4 310.2

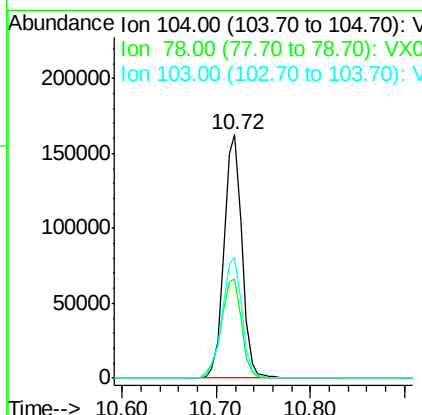
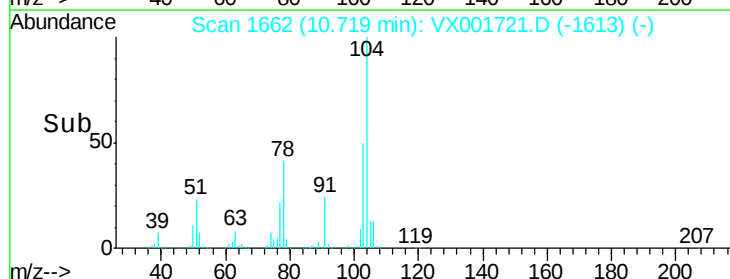
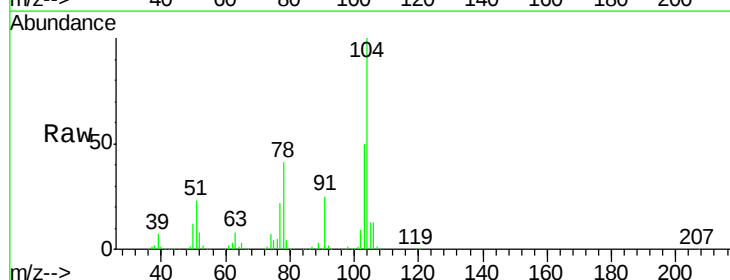
Manual Integrations
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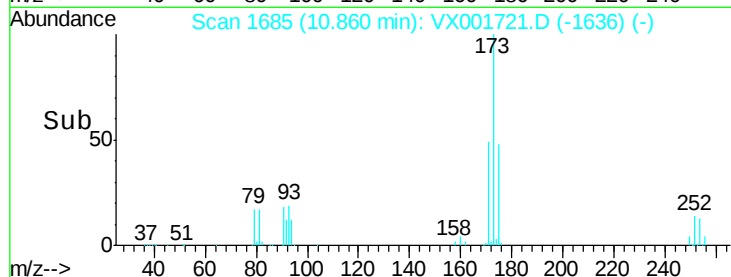
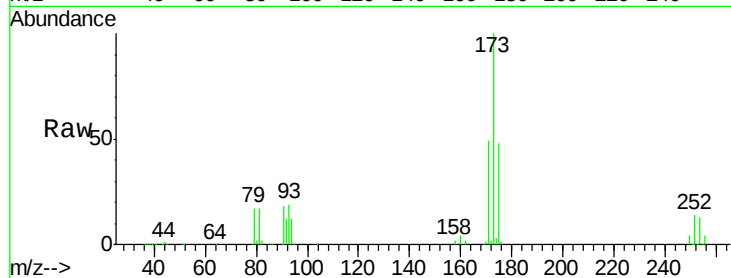
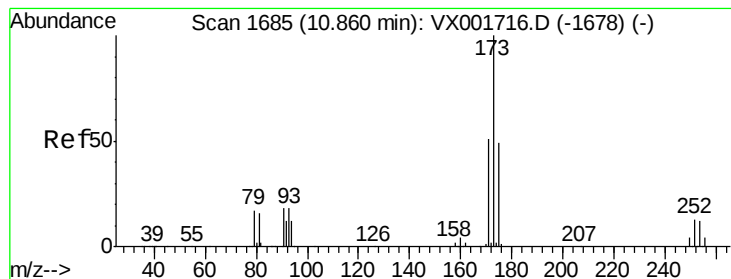
MMDadoda
5/16/2018 11:54:10 AM



#70
Styrene
Concen: 20.50 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion:104 Resp: 213699
Ion Ratio Lower Upper
104 100
78 46.6 37.3 55.9
103 54.4 43.7 65.5





#71

Bromoform

Concen: 19.66 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	72.8
254	0.2	0.2	0.2

Instrument :

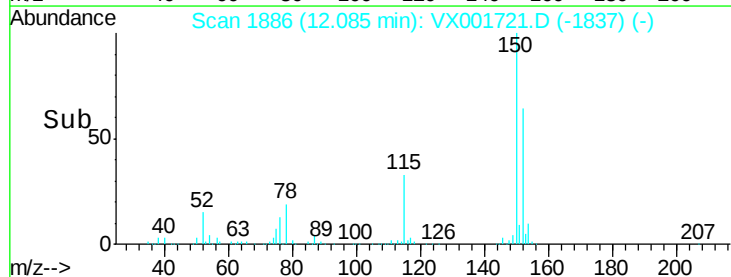
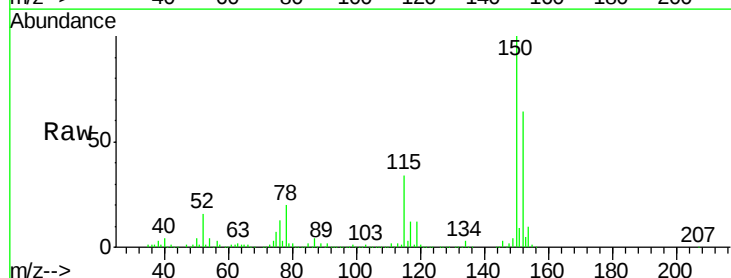
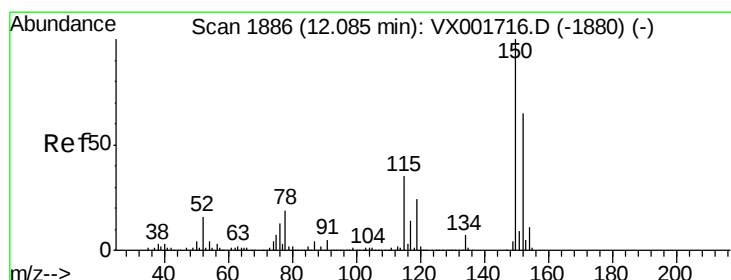
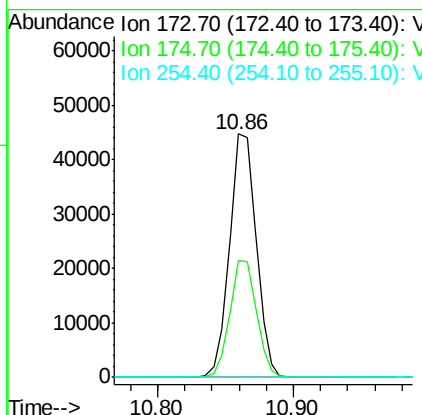
MSVOA_X

ClientSampleId :

VX0515WBS01

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

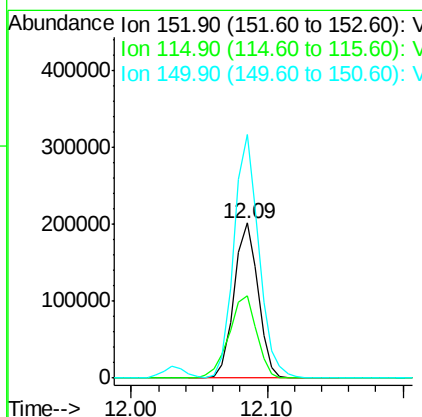
RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	37.4	112.2
150	163.7	0.0	344.8





#73

Isopropylbenzene

Concen: 20.58 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion:105 Resp: 335614

Ion Ratio Lower Upper

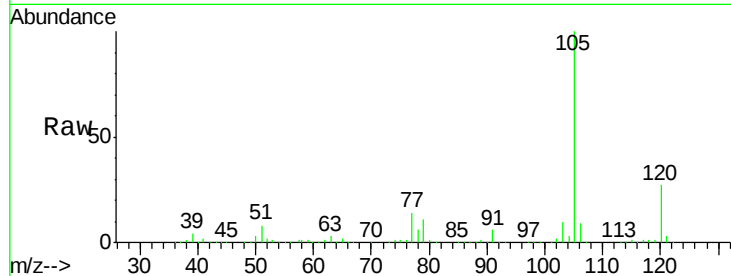
105 100

120 27.2 13.8 41.3

Manual Integrations
APPROVED

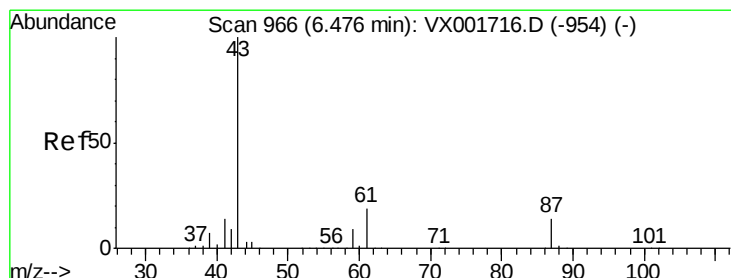
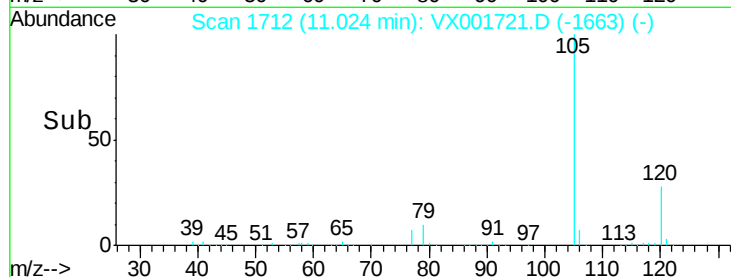
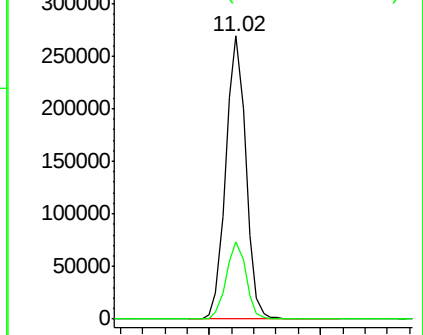
MMDadoda

5/16/2018 11:54:10 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.30 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Tgt Ion: 43 Resp: 166541

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

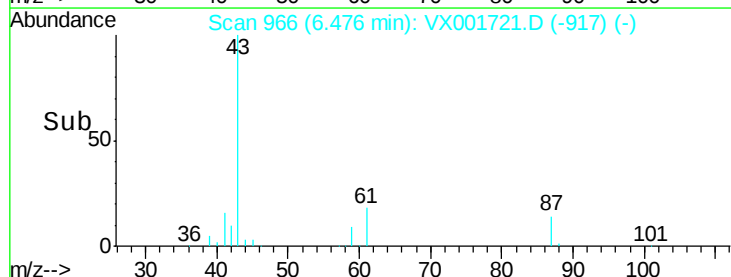
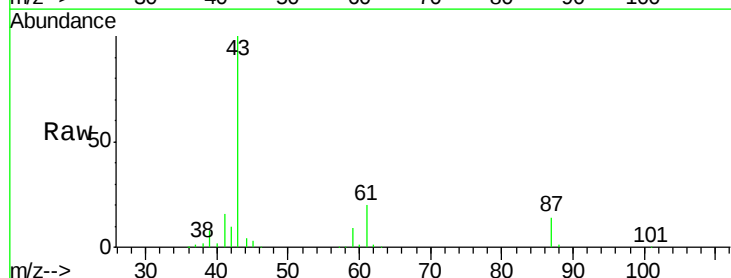
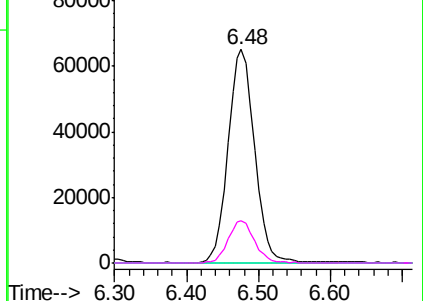
61 19.7 15.8 23.8

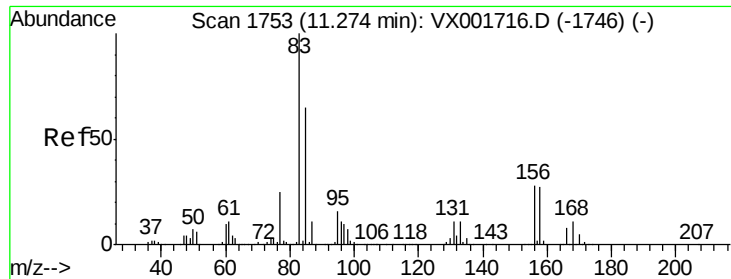
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.32 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion: 83 Resp: 104283

Ion Ratio Lower Upper

83 100

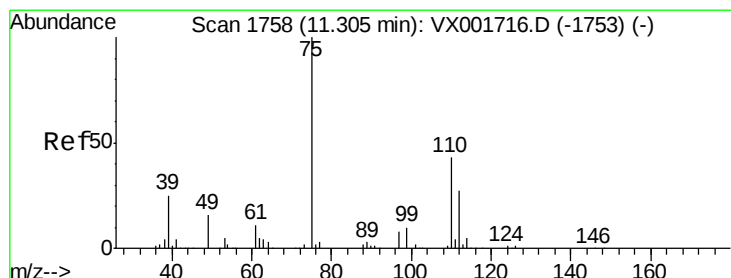
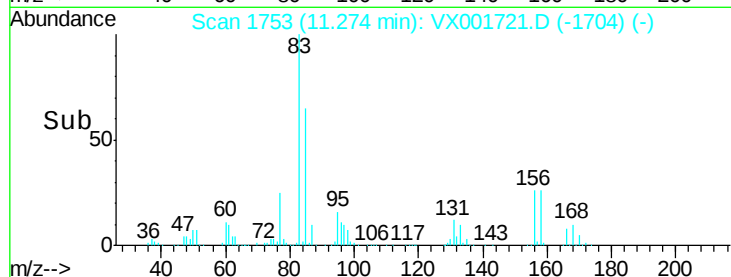
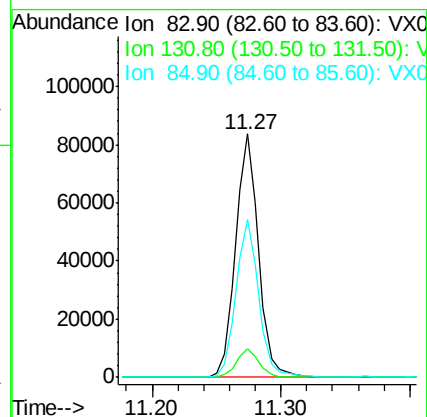
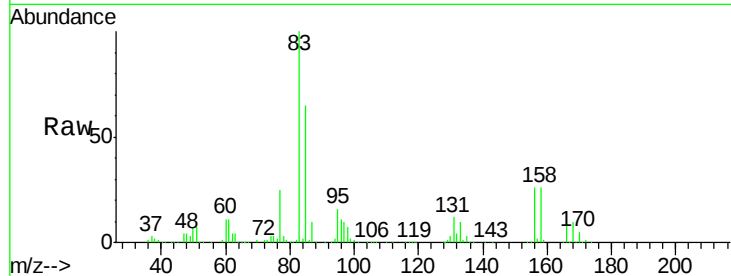
131 11.5 5.7 17.0

85 64.7 32.7 98.1

Manual Integrations
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MMDadoda

5/16/2018 11:54:10 AM



#76

1,2,3-Trichloropropane

Concen: 21.91 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX001721.D

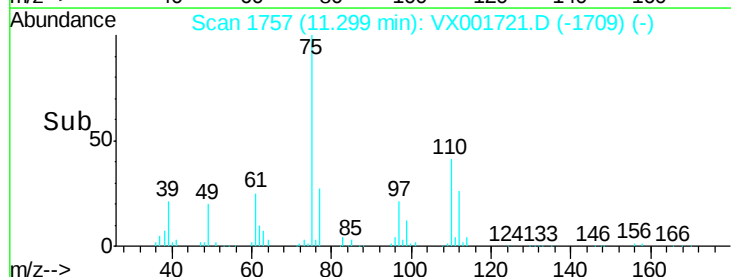
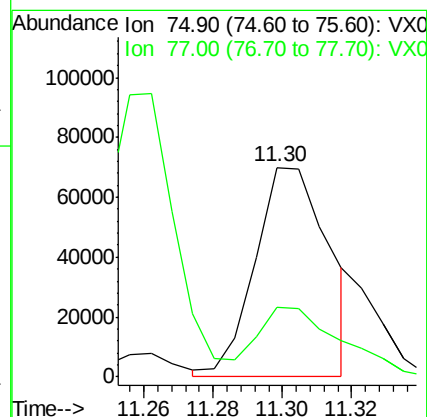
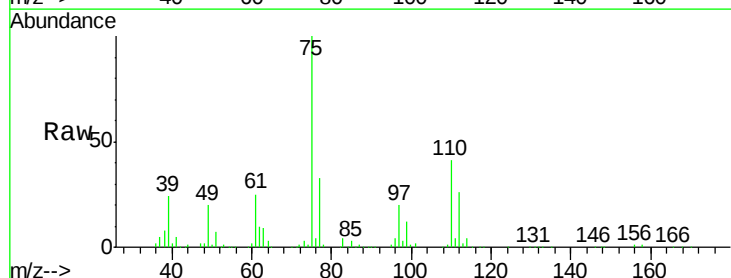
Acq: 14 May 2018 20:56

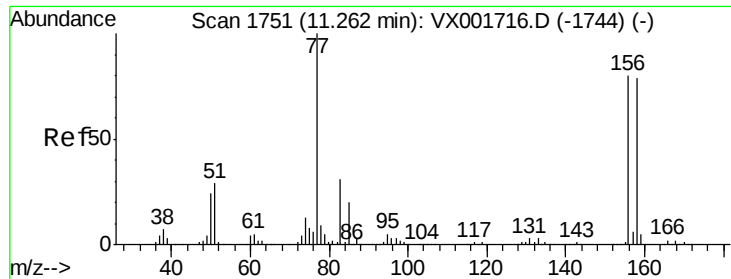
Tgt Ion: 75 Resp: 103184

Ion Ratio Lower Upper

75 100

77 37.2 18.9 56.7





#77

Bromobenzene

Concen: 20.92 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

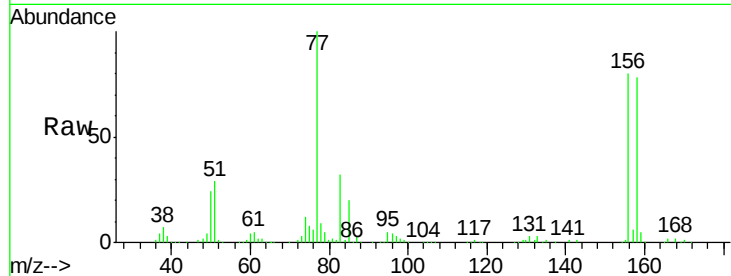
ClientSampleId :

VX0515WBS01

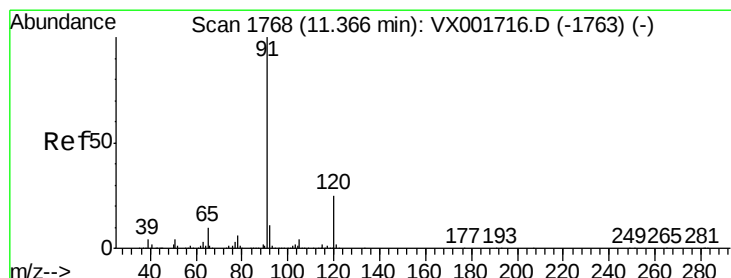
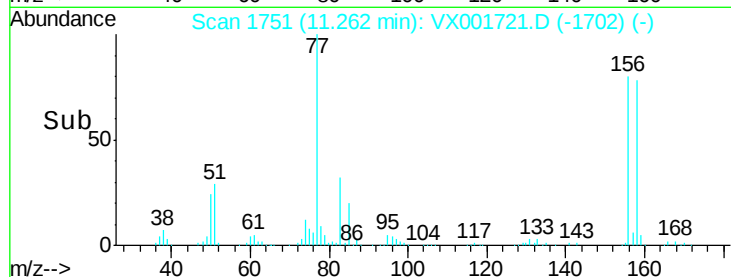
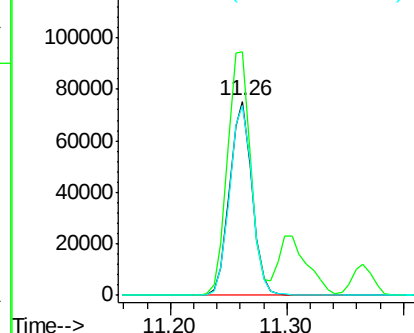
Tot Ion:	156	Resp:	100226
Ion Ratio	Lower	Upper	
156	100		
77	131.6	65.3	196.0
158	99.1	49.1	147.3

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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: 20.13 ug/l

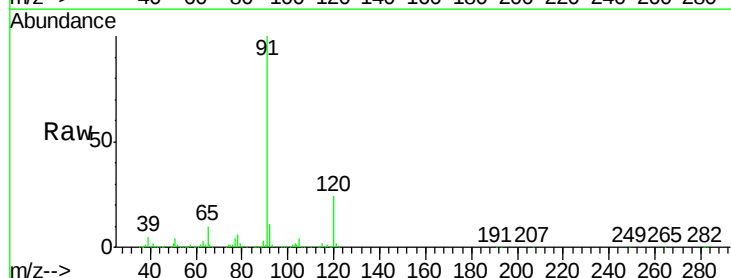
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

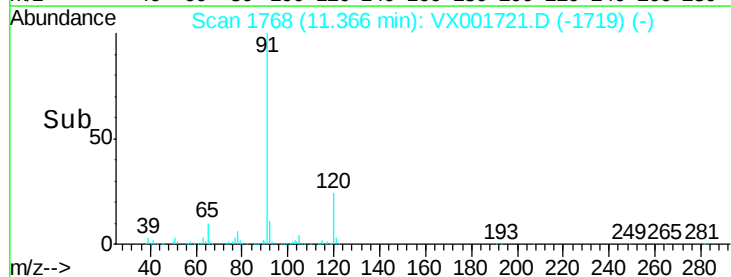
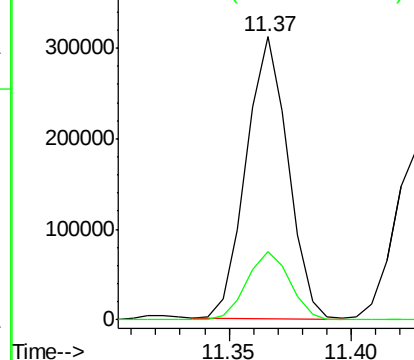
Lab File: VX001721.D

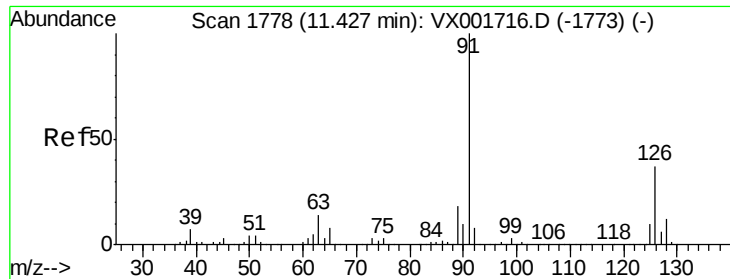
Acq: 14 May 2018 20:56

Tgt Ion:	91	Resp:	369772
Ion Ratio	Lower	Upper	
91	100		
120	25.0	12.5	37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





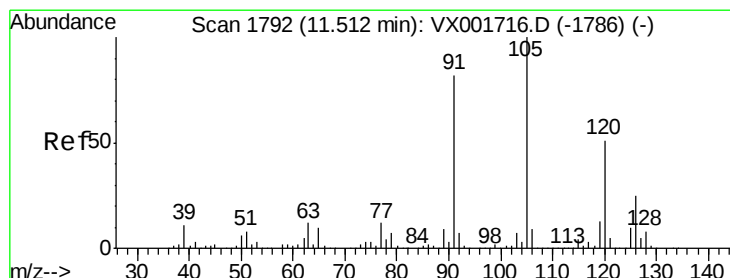
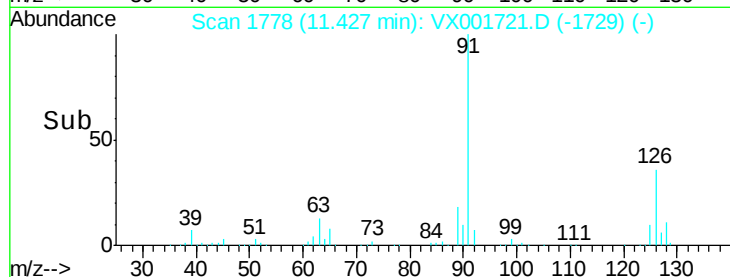
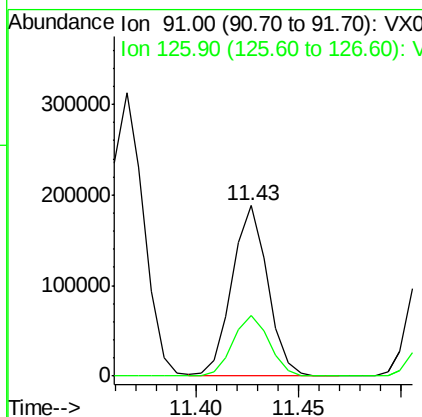
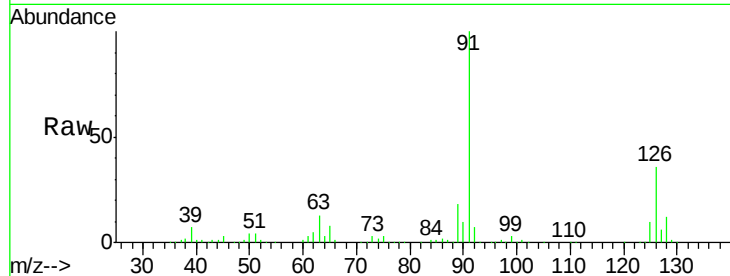
#79
 2-Chlorotoluene
 Concen: 20.47 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX001721.D
 Acq: 14 May 2018 20:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Tot Ion: 91 Resp: 224880
 Ion Ratio Lower Upper
 91 100
 126 36.8 18.4 55.4

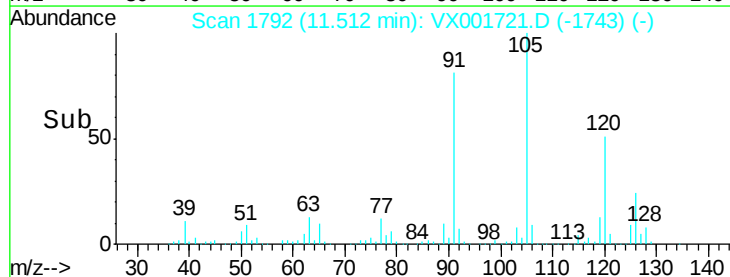
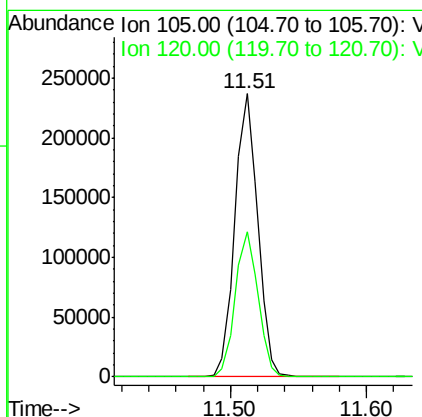
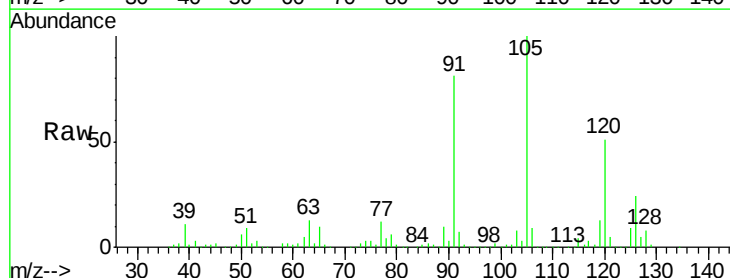
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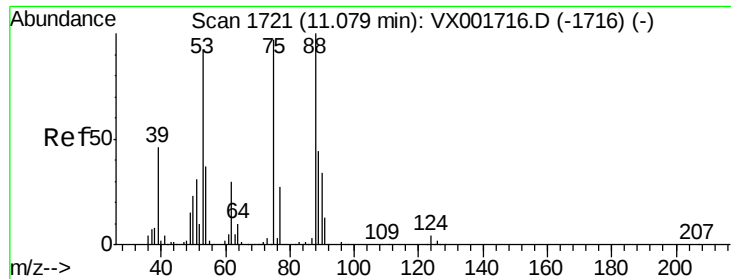
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.75 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX001721.D
 Acq: 14 May 2018 20:56

Tgt Ion: 105 Resp: 277635
 Ion Ratio Lower Upper
 105 100
 120 51.6 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.02 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

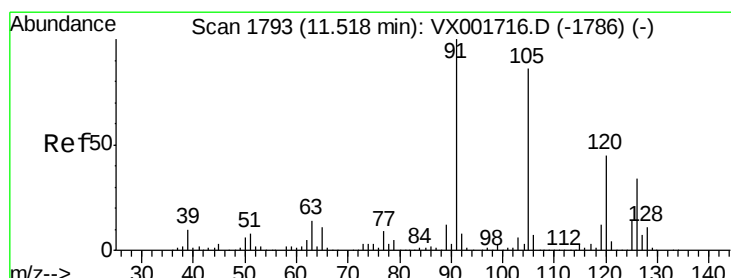
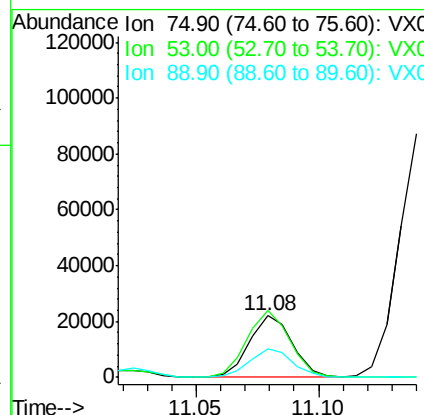
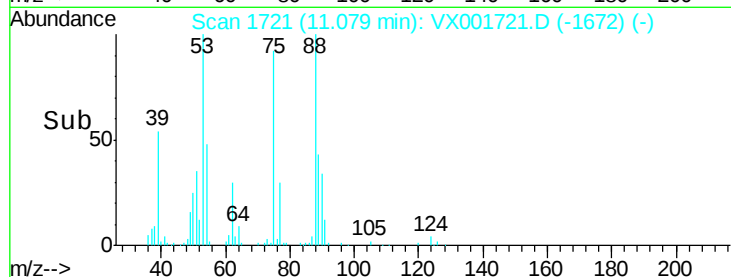
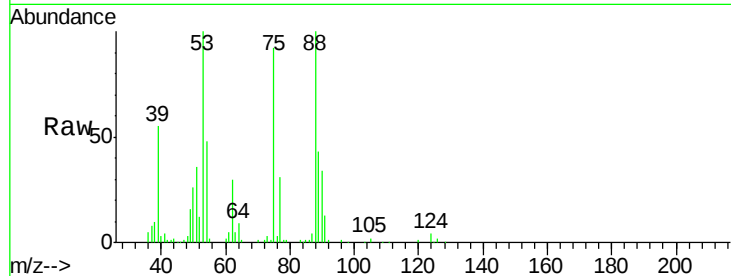
ClientSampleId :

VX0515WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.5	79.4	119.2
89	46.9	38.8	58.2

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#82

4-Chlorotoluene

Concen: 20.54 ug/l

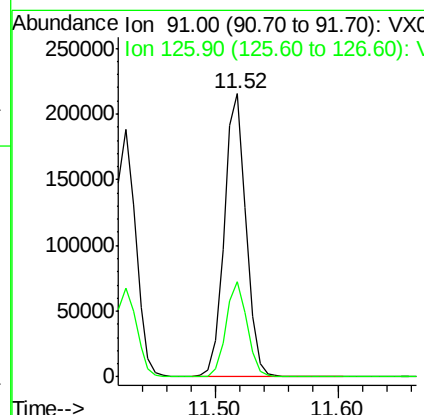
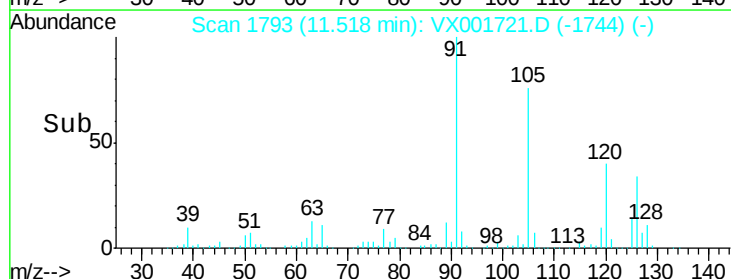
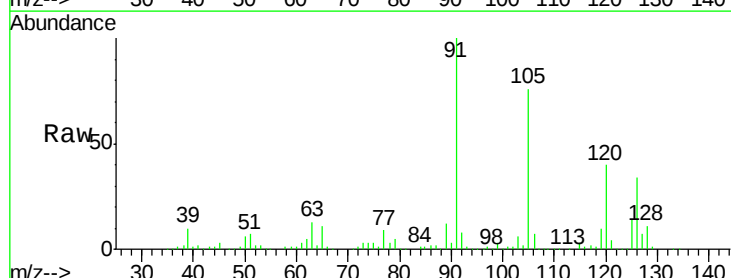
RT: 11.52 min Scan# 1793

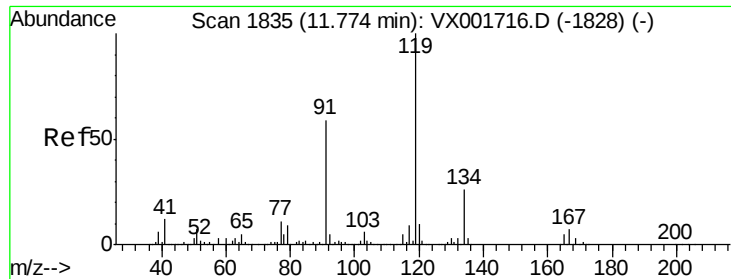
Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.1





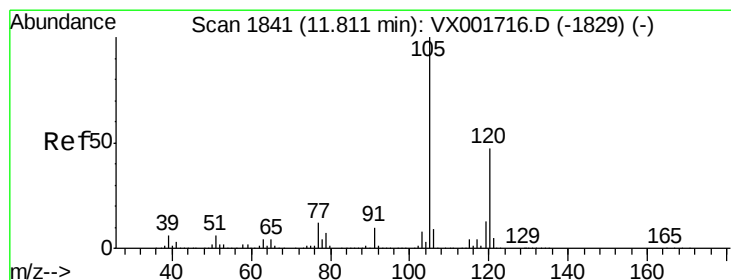
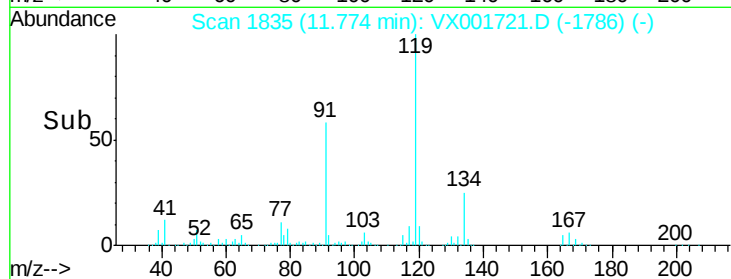
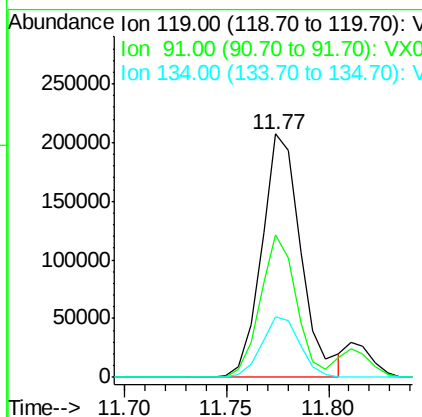
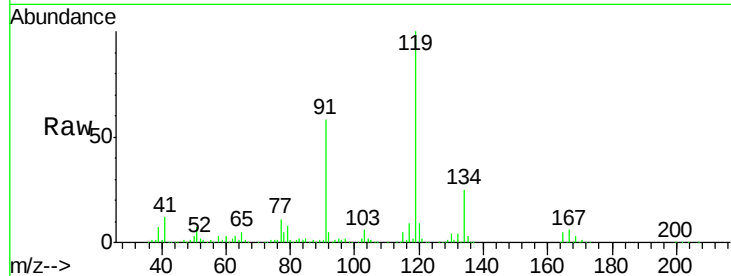
#83
tert-Butylbenzene
Concen: 20.93 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	278700		
91	53.7		27.7	83.0
134	24.4		12.7	38.1

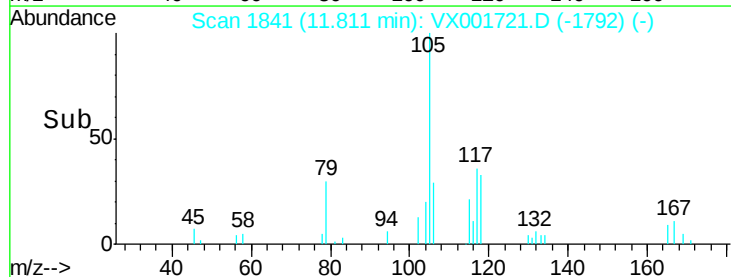
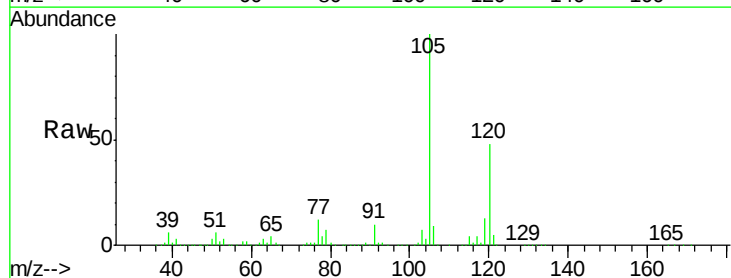
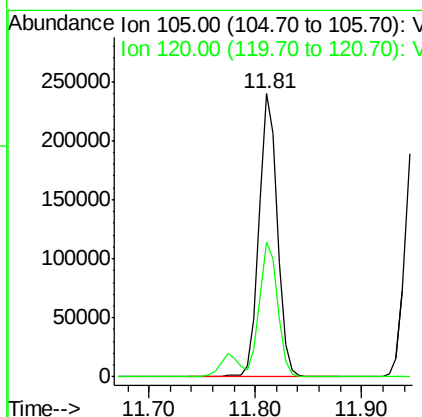
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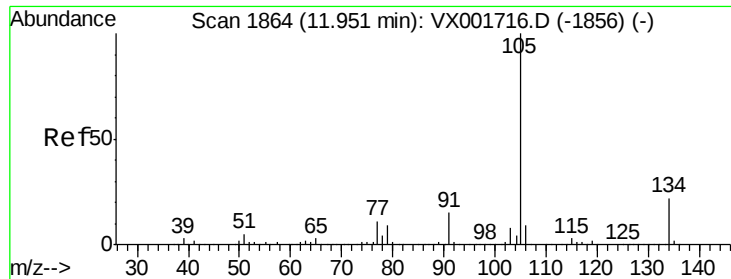
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#84
1,2,4-Trimethylbenzene
Concen: 20.93 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	289945		
120	47.3		23.5	70.5





#85

sec-Butylbenzene

Concen: 20.26 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion:105 Resp: 332920

Ion Ratio Lower Upper

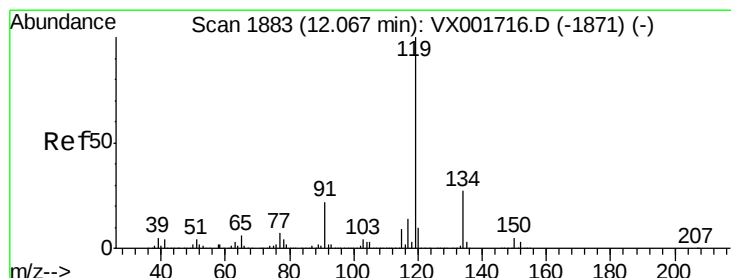
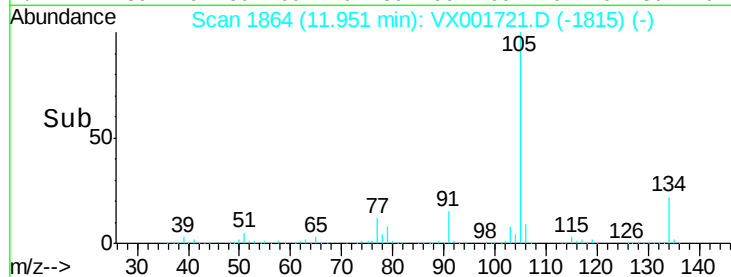
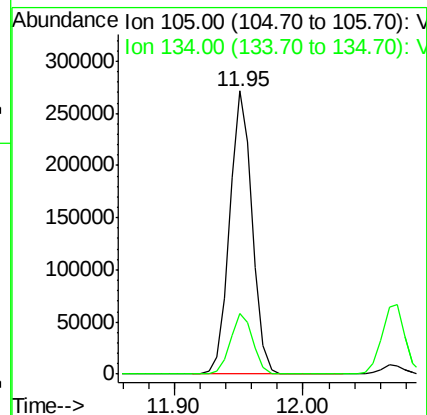
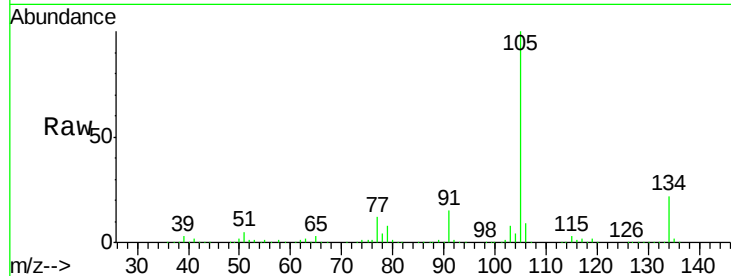
105 100

134 21.5 10.9 32.6

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#86

p-Isopropyltoluene

Concen: 20.18 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

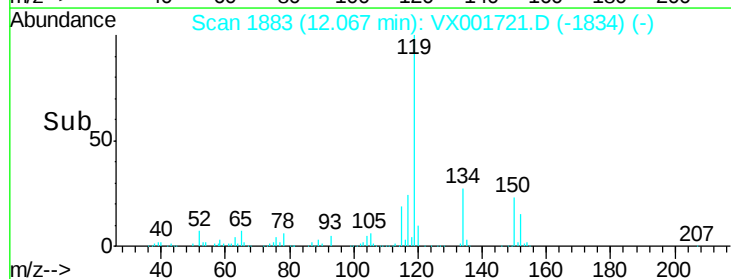
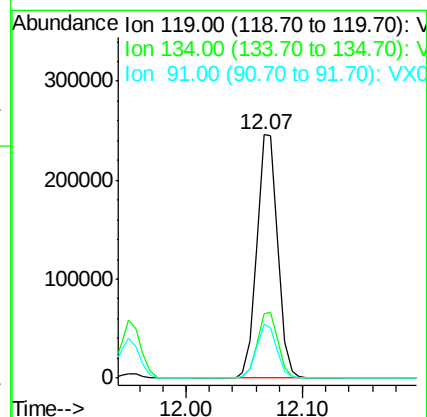
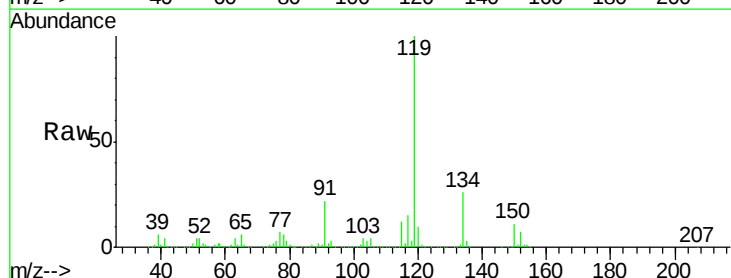
Tgt Ion:119 Resp: 306823

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 21.7 10.7 32.1





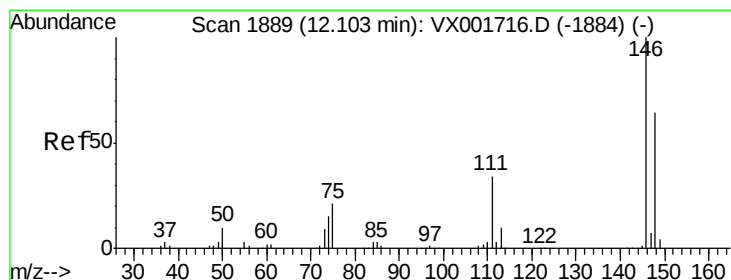
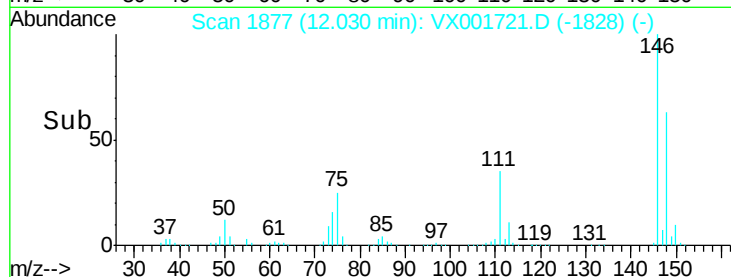
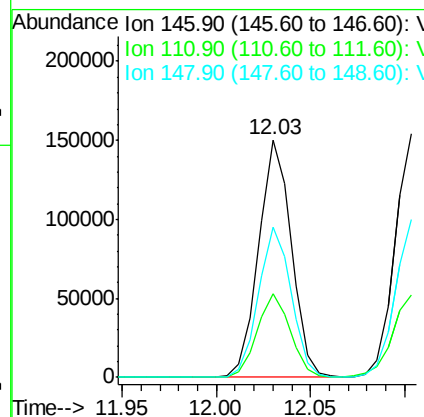
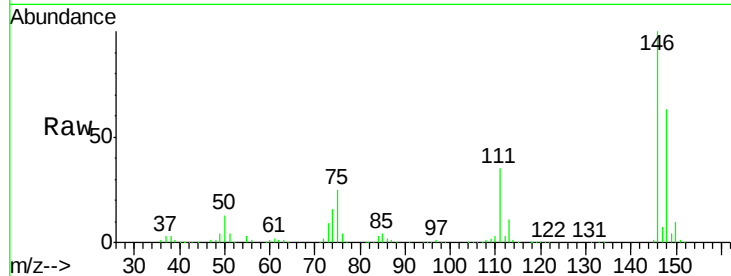
#87
 1,3-Dichlorobenzene
 Concen: 20.47 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001721.D
 Acq: 14 May 2018 20:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.5	17.8	53.4
148	63.5	32.1	96.3

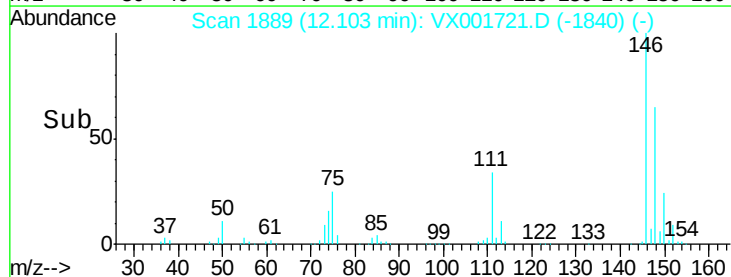
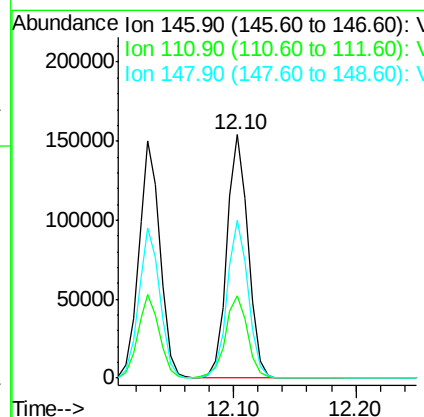
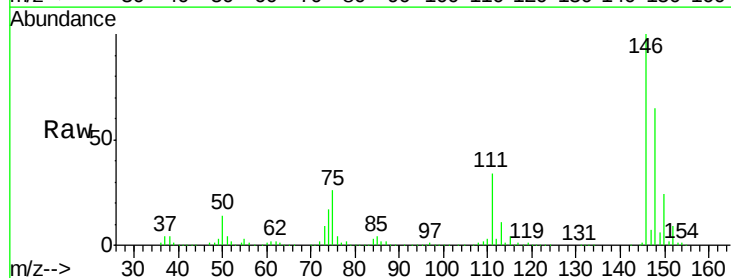
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#88
 1,4-Dichlorobenzene
 Concen: 20.09 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001721.D
 Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	17.3	52.0
148	64.2	32.3	96.9





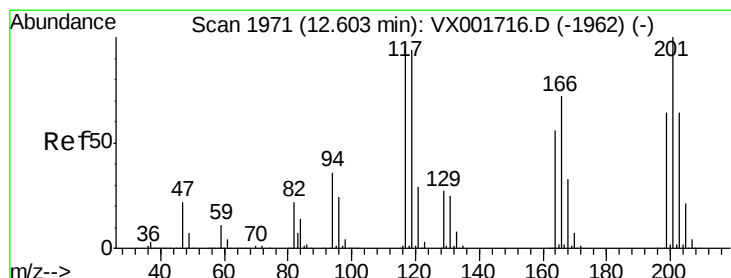
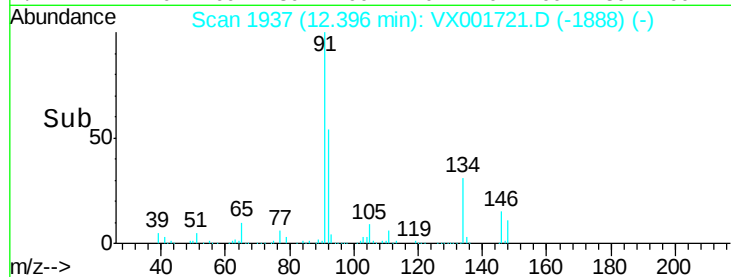
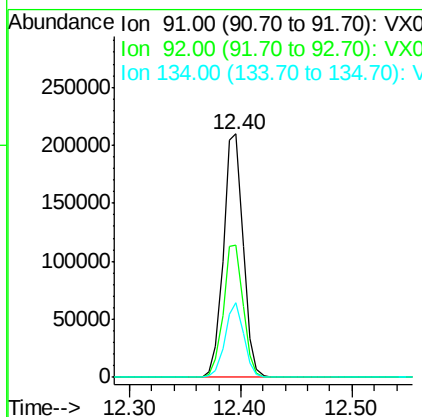
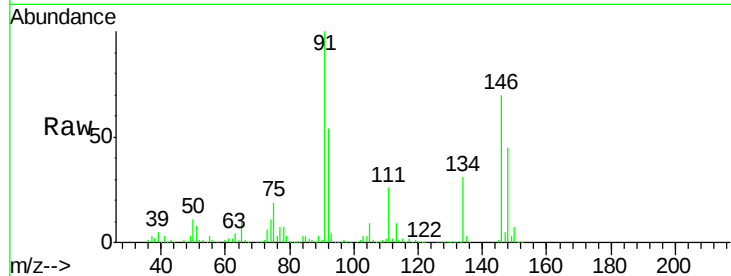
#89
n-Butylbenzene
Concen: 19.54 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	256961		
92	54.6		27.3	81.9
134	29.3		14.7	44.1

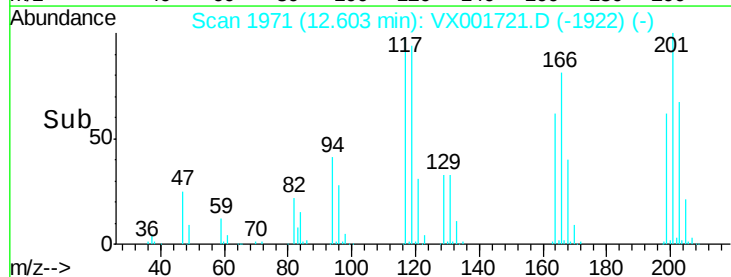
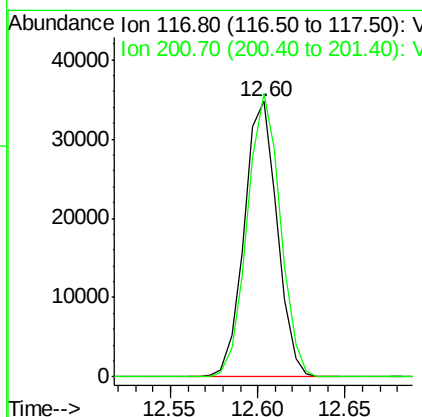
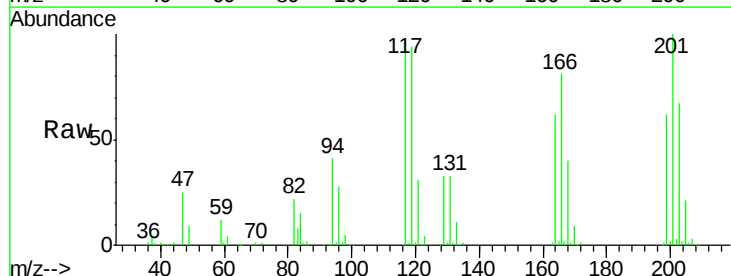
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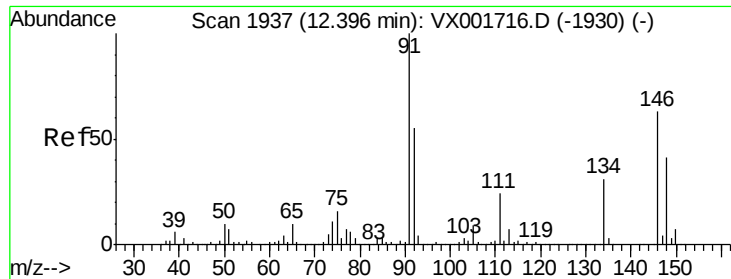
MMDadoda
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#90
Hexachloroethane
Concen: 19.26 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001721.D
Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	45491		
201	103.1		51.9	155.7





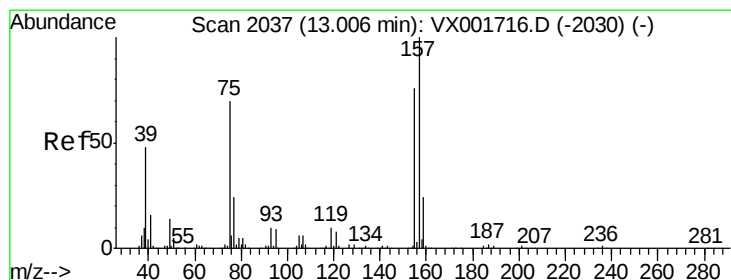
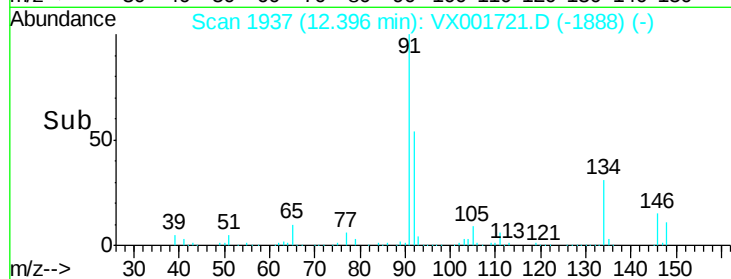
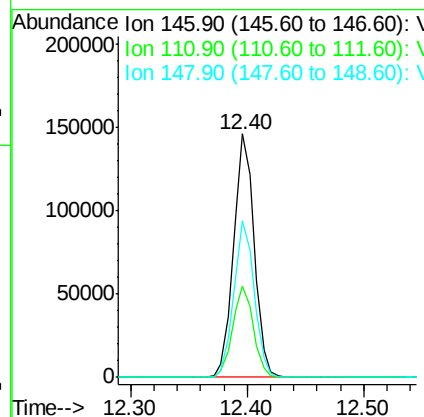
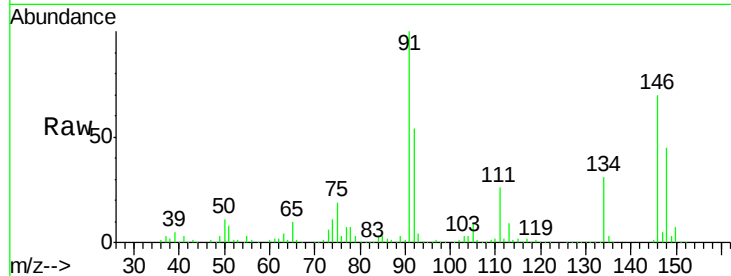
#91
 1,2-Dichlorobenzene
 Concen: 20.36 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001721.D
 Acq: 14 May 2018 20:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	179765		
111	37.5	18.6	56.0	
148	64.1	32.4	97.0	

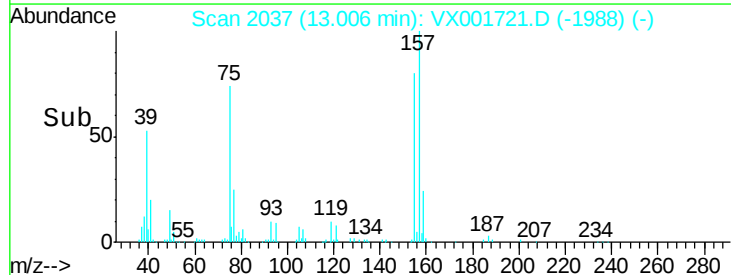
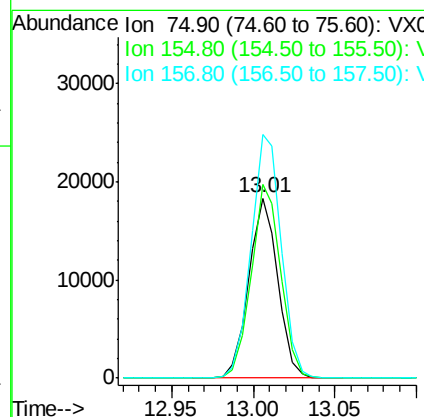
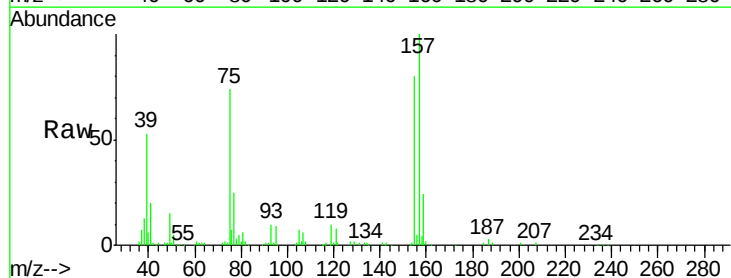
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.78 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001721.D
 Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22742		
155	109.1	53.9	161.8	
157	140.4	71.0	213.2	





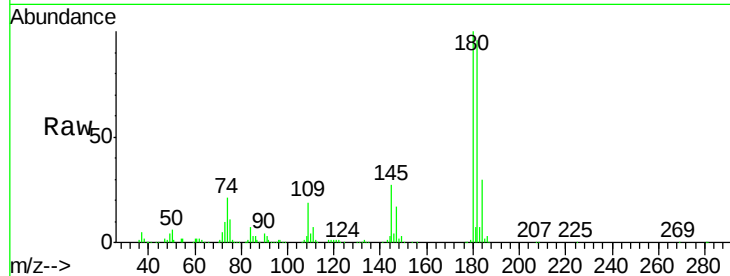
#93
 1,2,4-Trichlorobenzene
 Concen: 19.93 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001721.D
 Acq: 14 May 2018 20:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

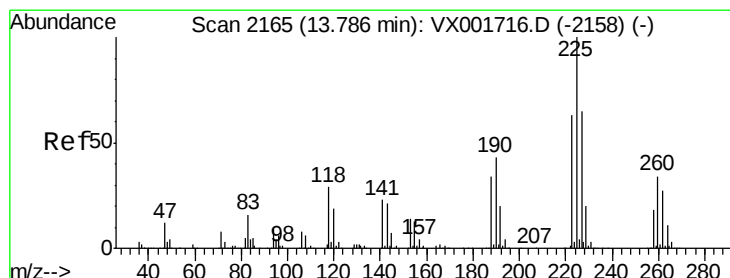
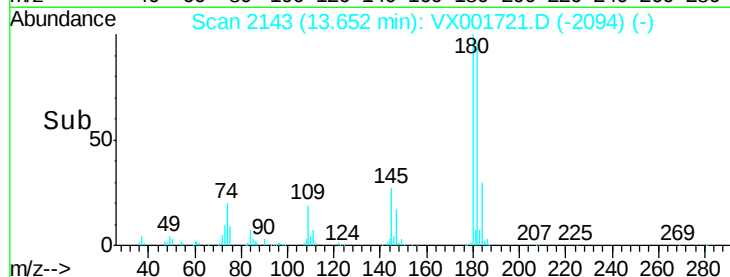
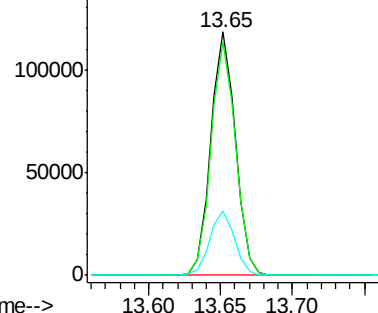
Tot Ion	Ratio	Resp	Lower	Upper
180	100	140244		
182	96.2	47.6	142.9	
145	26.9	13.4	40.1	

Manual Integrations
 APPROVED

MMDadoda
 5/16/2018 11:54:10 AM

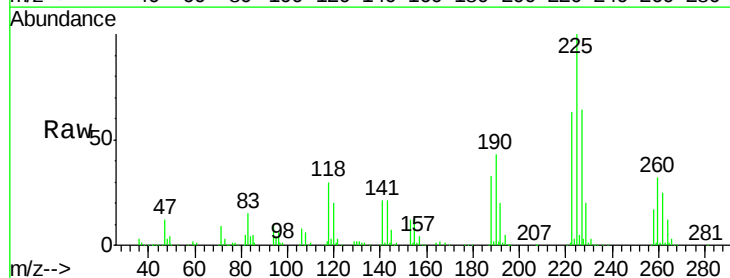


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

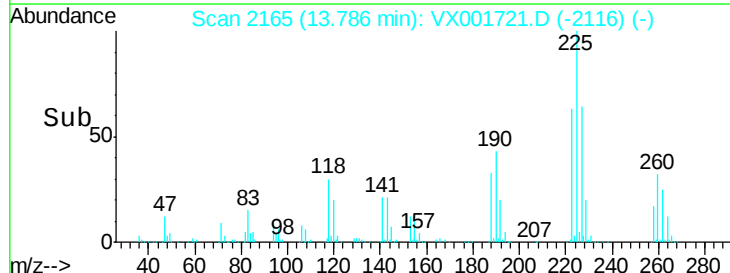
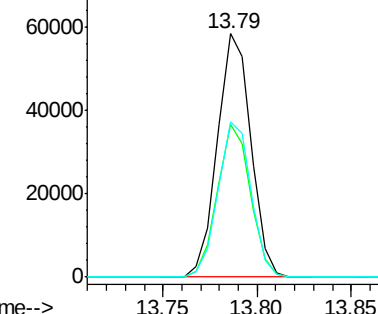


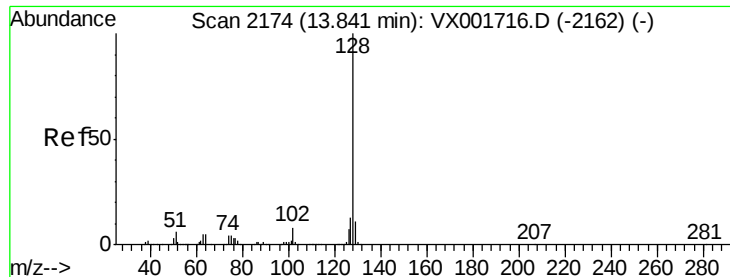
#94
 Hexachlorobutadiene
 Concen: 19.12 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001721.D
 Acq: 14 May 2018 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72247		
223	61.8	31.1	93.5	
227	62.9	31.9	95.5	



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





#95

Naphthalene

Concen: 21.49 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Instrument :

MSVOA_X

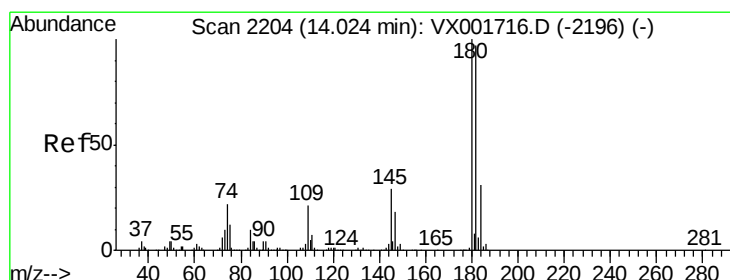
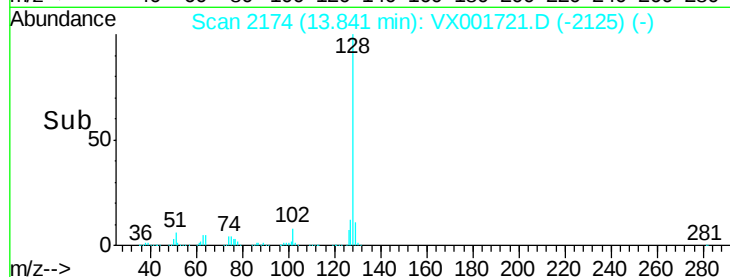
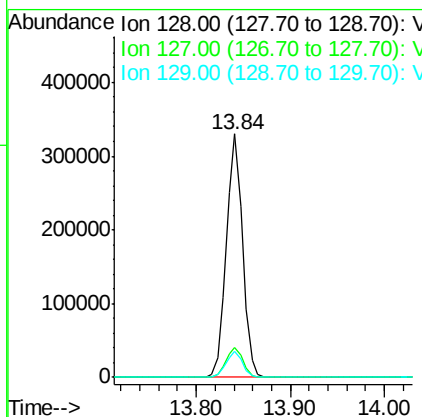
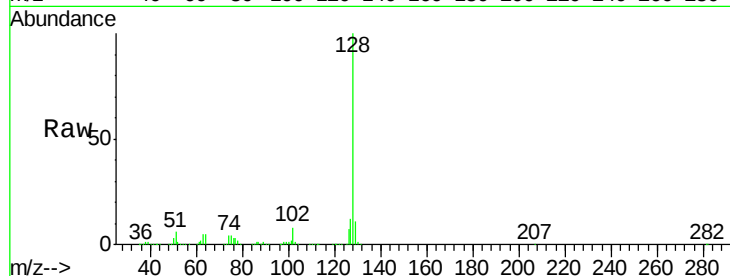
ClientSampleId :

VX0515WBS01

Tot Ion:	128	Resp:	393112
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/16/2018 11:54:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.21 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001721.D

Acq: 14 May 2018 20:56

Tgt Ion:	180	Resp:	143204
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.9	143.7
145	27.7	14.2	42.8

