

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
 Data File : VX001740.D
 Acq On : 15 May 2018 12:54
 Operator : JC/MD
 Sample : VX0515WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS03

Manual Integrations
 APPROVED

MMDadoda
 5/16/2018 11:54:15 AM

Quant Time: May 16 04:48:22 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	312632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	414833	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	364582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	232030	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	212917	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
35) Dibromofluoromethane	5.51	113	178877	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
50) Toluene-d8	8.72	98	660856	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	
62) 4-Bromofluorobenzene	11.14	95	221236	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	63276	20.17	ug/l	98
3) Chloromethane	1.32	50	69380	20.47	ug/l	99
4) Vinyl Chloride	1.40	62	74935	20.45	ug/l	99
5) Bromomethane	1.64	94	40258	24.49	ug/l	100
6) Chloroethane	1.72	64	49112	21.28	ug/l	100
7) Trichlorofluoromethane	1.93	101	107570	20.20	ug/l	97
8) Diethyl Ether	2.19	74	44572	20.34	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	64925	20.26	ug/l	98
10) Methyl Iodide	2.51	142	53865	18.27	ug/l	99
11) Tert butyl alcohol	3.08	59	83961	112.85	ug/l	100
12) 1,1-Dichloroethene	2.37	96	59892	19.38	ug/l	98
13) Acrolein	2.29	56	60829	115.28	ug/l	98
14) Allyl chloride	2.73	41	116733	20.44	ug/l	99
15) Acrylonitrile	3.15	53	196595	105.21	ug/l	100
16) Acetone	2.45	43	181648	110.37	ug/l	99
17) Carbon Disulfide	2.57	76	149549	18.55	ug/l	99
18) Methyl Acetate	2.78	43	104032	21.62	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	212813	20.43	ug/l	99
20) Methylene Chloride	2.86	84	70008	19.87	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	66908	19.66	ug/l	98
22) Diisopropyl ether	3.88	45	215574	19.67	ug/l	98
23) Vinyl Acetate	3.83	43	737070	93.37	ug/l	100
24) 1,1-Dichloroethane	3.70	63	122577	20.40	ug/l	99
25) 2-Butanone	4.72	43	274884	109.09	ug/l	98
26) 2,2-Dichloropropane	4.59	77	97272	20.11	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	77860	20.10	ug/l	96
28) Bromochloromethane	5.03	49	58998	22.10	ug/l	99
29) Tetrahydrofuran	5.18	42	172782	105.19	ug/l	100
30) Chloroform	5.22	83	128109	20.30	ug/l	99
31) Cyclohexane	5.58	56	106572	20.23	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	112223	20.58	ug/l	99
36) 1,1-Dichloropropene	5.80	75	90826	19.02	ug/l	100
37) Ethyl Acetate	4.87	43	102826	20.66	ug/l	100
38) Carbon Tetrachloride	5.79	117	100987	20.19	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	110418	19.79	ug/l	98
40) Benzene	6.15	78	284548	20.22	ug/l	100
41) Methacrylonitrile	5.07	41	58928	20.48	ug/l	98
42) 1,2-Dichloroethane	6.20	62	104217	20.48	ug/l	100
43) Isopropyl Acetate	6.48	43	155978	20.03	ug/l	100
44) Trichloroethene	7.22	130	87013	19.93	ug/l	98
45) 1,2-Dichloropropane	7.52	63	71240	20.63	ug/l	99
46) Dibromomethane	7.67	93	47971	19.79	ug/l	99
47) Bromodichloromethane	7.90	83	91050	20.24	ug/l	97
48) Methyl methacrylate	7.79	41	82531	20.13	ug/l	98
49) 1,4-Dioxane	7.76	88	37371	473.41	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	531156	107.60	ug/l	99
52) Toluene	8.79	92	183761	20.33	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	105612	19.95	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	87285	18.71	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	69496	20.11	ug/l	96
56) Ethyl methacrylate	9.19	69	98232	20.04	ug/l	99
57) 1,3-Dichloropropane	9.38	76	115212	19.91	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	275818	109.41	ug/l	100
59) 2-Hexanone	9.51	43	386975	109.51	ug/l	99
60) Dibromochloromethane	9.59	129	71189	20.12	ug/l	99
61) 1,2-Dibromoethane	9.68	107	73646	20.36	ug/l	100
64) Tetrachloroethene	9.34	164	93001	19.60	ug/l	99
65) Chlorobenzene	10.15	112	198144	19.76	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	72685	20.52	ug/l	99
67) Ethyl Benzene	10.26	91	321911	20.09	ug/l	99
68) m/p-Xylenes	10.37	106	257395	40.70	ug/l	99
69) o-Xylene	10.71	106	124312	20.53	ug/l	99
70) Styrene	10.72	104	203469	20.37	ug/l	100
71) Bromoform	10.87	173	56245	18.99	ug/l #	98
73) Isopropylbenzene	11.02	105	334069	21.86	ug/l	99
74) N-amyl acetate	6.48	43	155978	21.29	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	99198	21.64	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	95671m	21.68	ug/l	
77) Bromobenzene	11.26	156	94206	20.98	ug/l	100
78) n-propylbenzene	11.37	91	363502	21.11	ug/l	100
79) 2-Chlorotoluene	11.43	91	219360	21.31	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	276129	22.03	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	25205	19.20	ug/l	95
82) 4-Chlorotoluene	11.52	91	253839	20.93	ug/l	100
83) tert-Butylbenzene	11.77	119	270587	21.69	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	284651	21.93	ug/l	100
85) sec-Butylbenzene	11.95	105	328711	21.35	ug/l	100
86) p-Isopropyltoluene	12.07	119	301008	21.12	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	166922	20.10	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	168602	19.64	ug/l	99
89) n-Butylbenzene	12.40	91	236592	19.20	ug/l	99
90) Hexachloroethane	12.60	117	45820	20.70	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	169313	20.46	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	21564	22.04	ug/l	98

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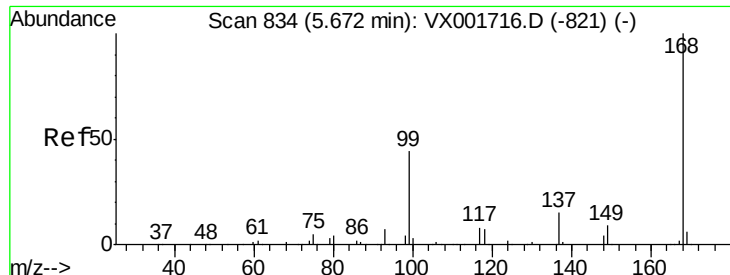
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	122096	18.51	ug/l	99
94) Hexachlorobutadiene	13.79	225	67981	19.20	ug/l	100
95) Naphthalene	13.84	128	351922	20.53	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	128557	19.36	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS03

Tot Ion:168 Resp: 312632

Ion Ratio Lower Upper

168 100

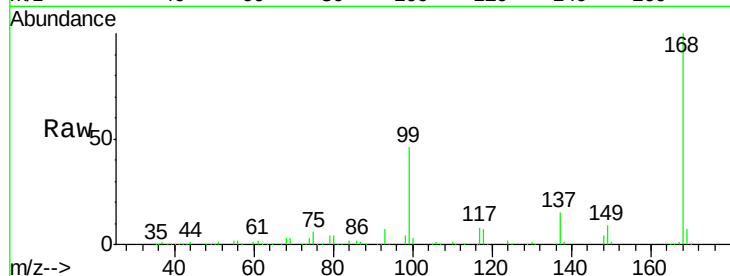
99 45.5 35.0 52.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

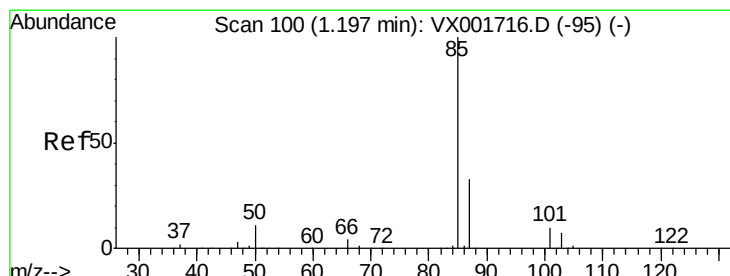
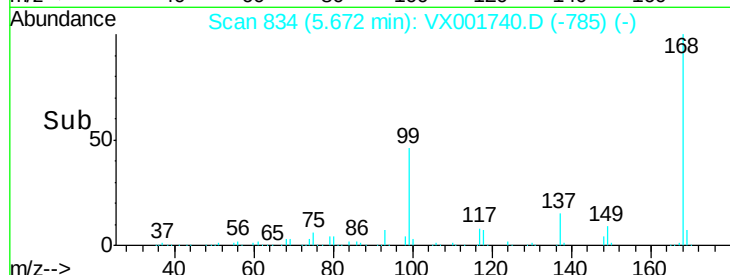
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.17 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001740.D

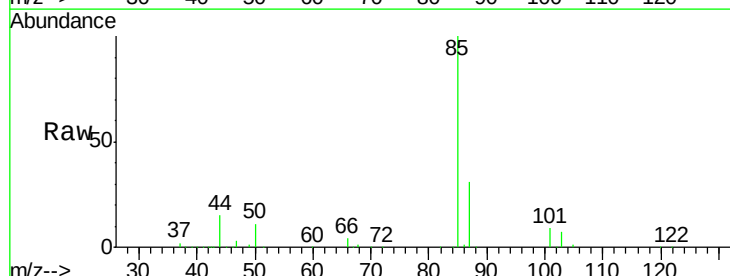
Acq: 15 May 2018 12:54

Tgt Ion: 85 Resp: 63276

Ion Ratio Lower Upper

85 100

87 31.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

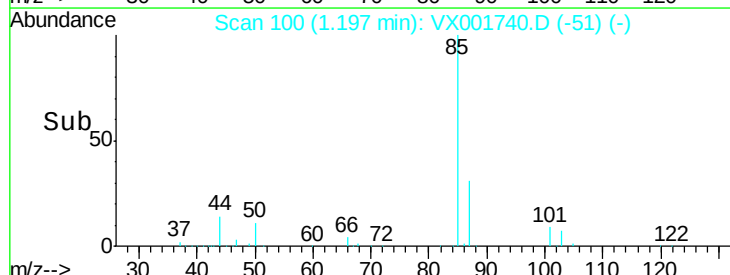
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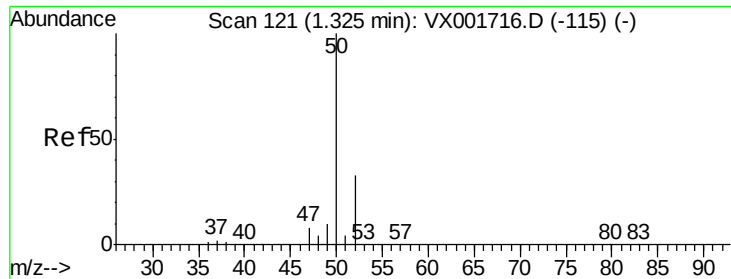
40000

20000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 20.47 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS03

Tot Ion: 50 Resp: 69380

Ion Ratio Lower Upper

50 100

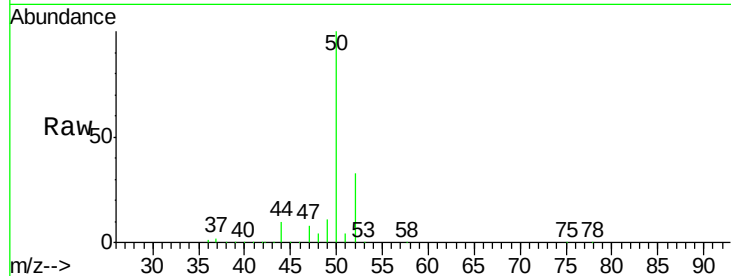
52 33.5 26.3 39.5

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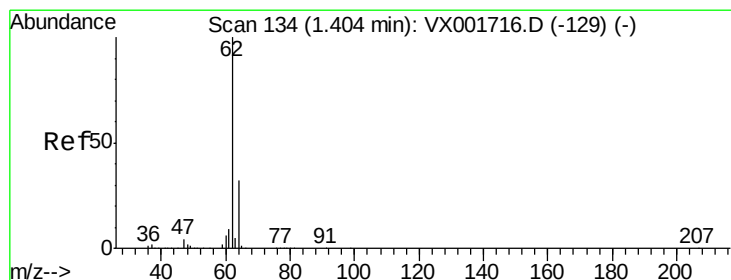
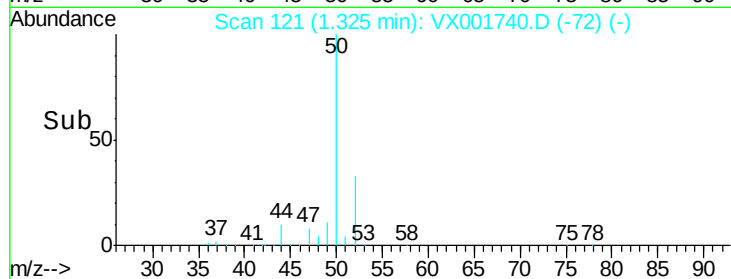
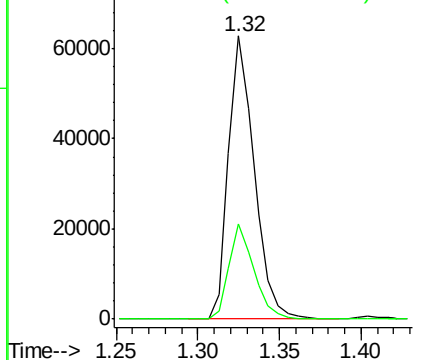
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.45 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001740.D

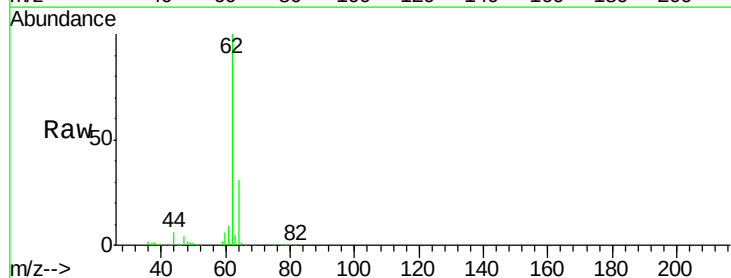
Acq: 15 May 2018 12:54

Tgt Ion: 62 Resp: 74935

Ion Ratio Lower Upper

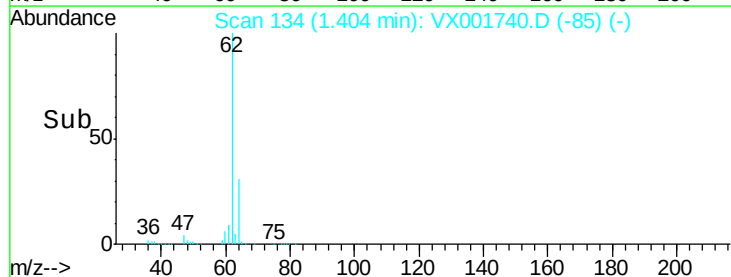
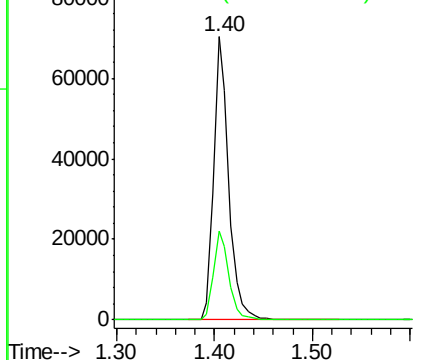
62 100

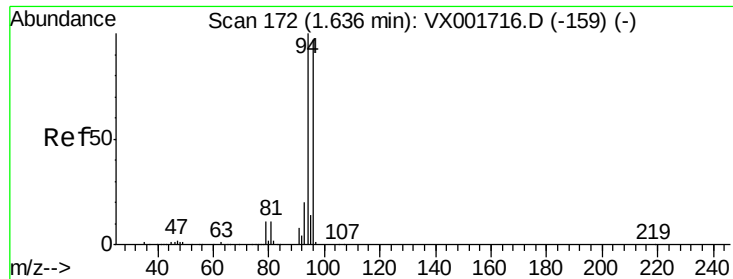
64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 24.49 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS03

Tot Ion: 94 Resp: 40258

Ion Ratio Lower Upper

94 100

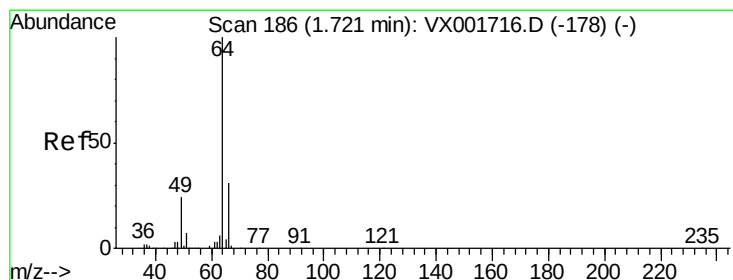
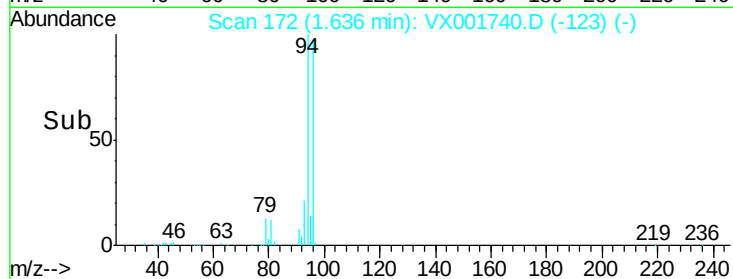
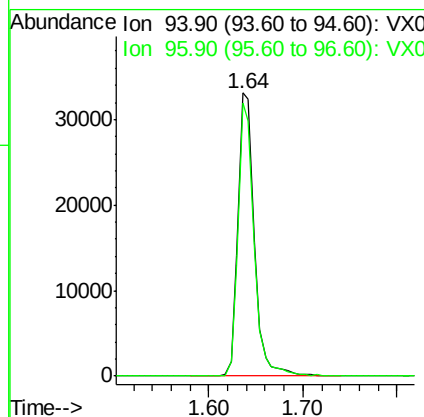
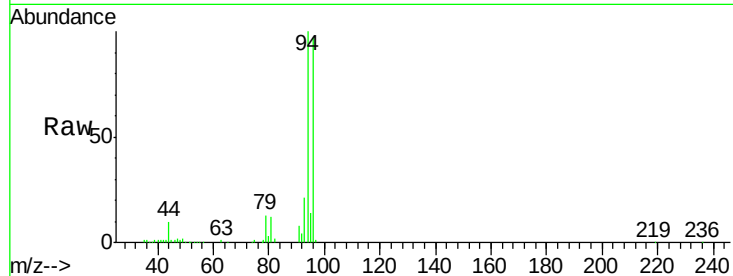
96 96.7 77.4 116.0

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#6

Chloroethane

Concen: 21.28 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001740.D

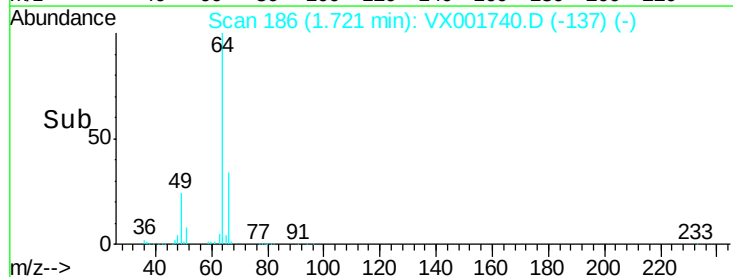
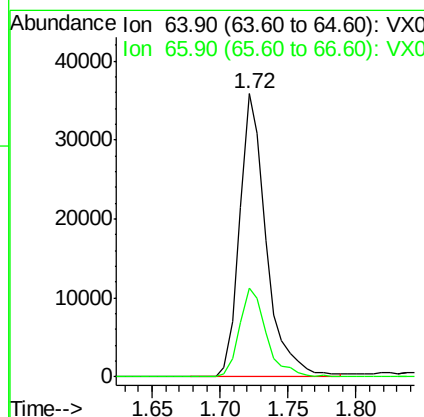
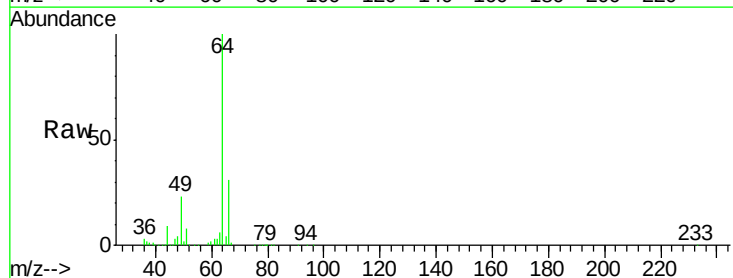
Acq: 15 May 2018 12:54

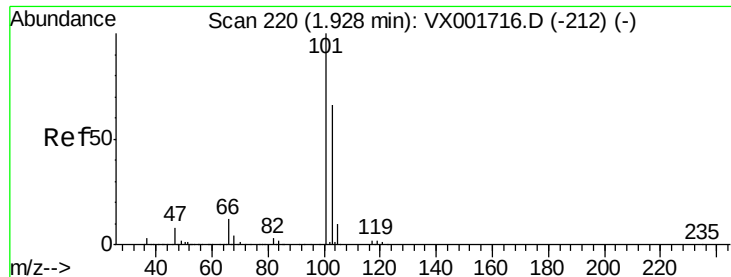
Tgt Ion: 64 Resp: 49112

Ion Ratio Lower Upper

64 100

66 31.4 25.2 37.8





#7

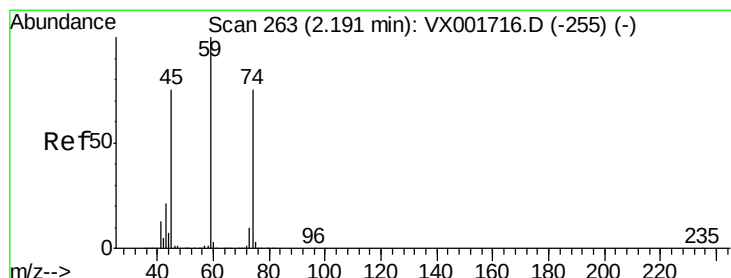
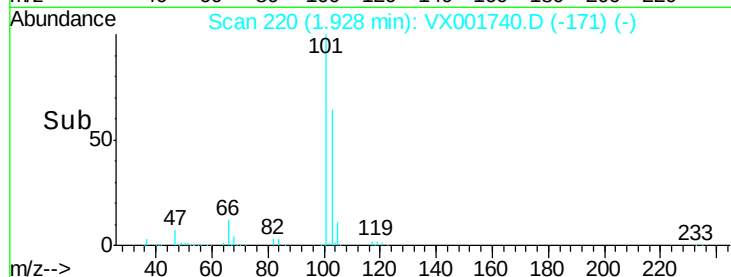
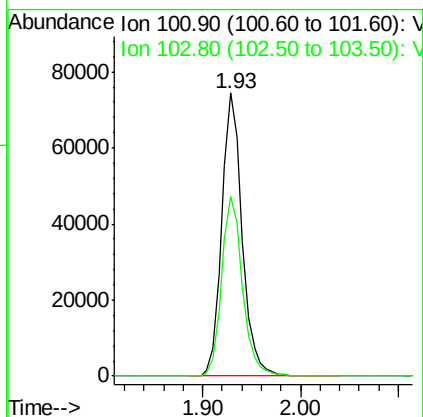
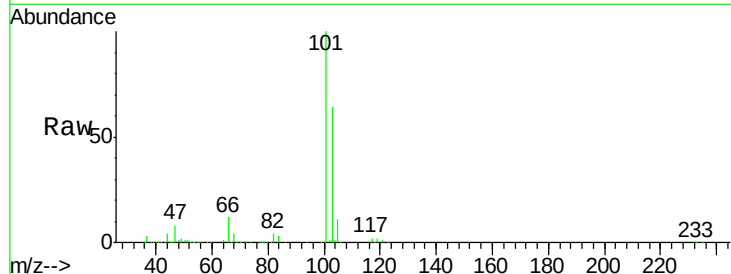
Trichlorofluoromethane
Concen: 20.20 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

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VX0515WBS03

Tot Ion	Ratio	Resp	Lower	Upper
101	100	107570		
103	63.6	52.6	78.8	

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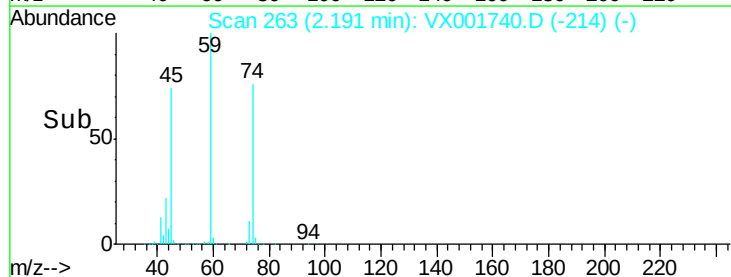
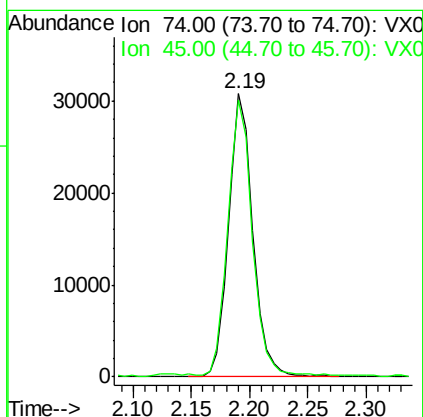
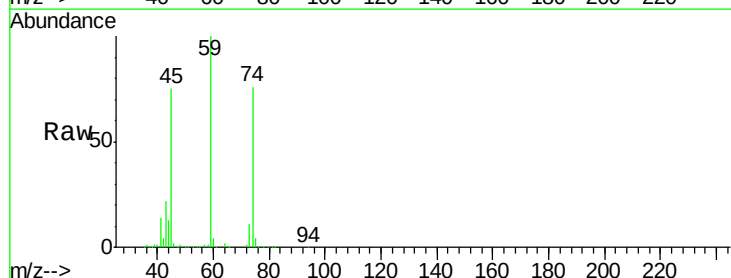
MMDadoda
5/16/2018 11:54:15 AM

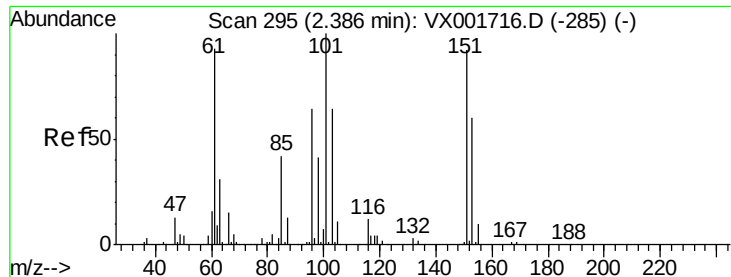


#8

Diethyl Ether
Concen: 20.34 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	44572		
45	98.0	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.26 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

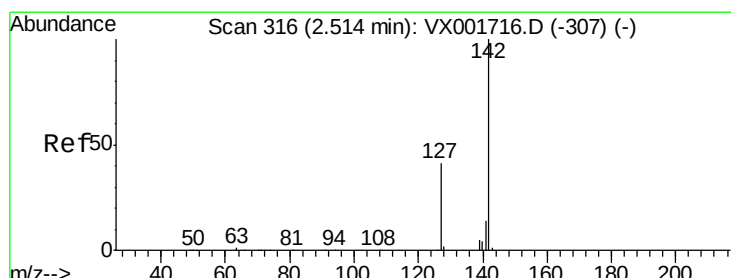
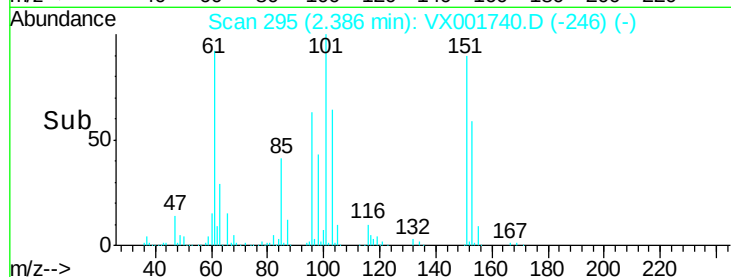
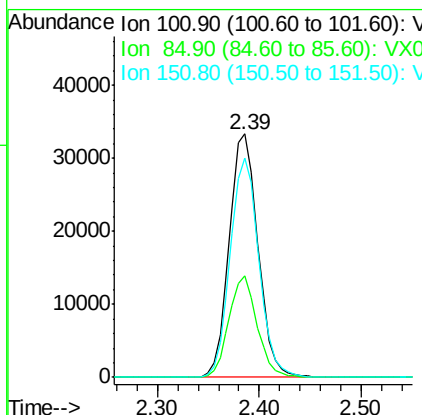
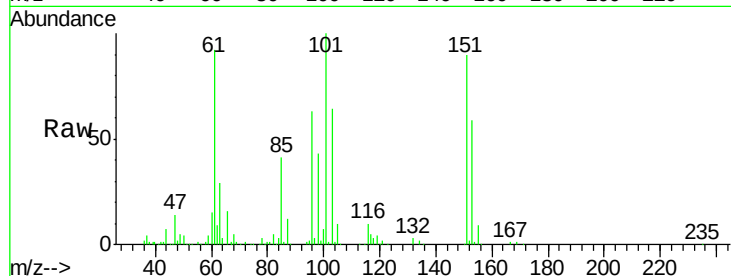
ClientSampleId :

VX0515WBS03

Tot Ion:	101	Resp:	64925
Ion Ratio	Lower	Upper	
101	100		
85	40.8	33.7	50.5
151	89.7	73.0	109.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.27 ug/l

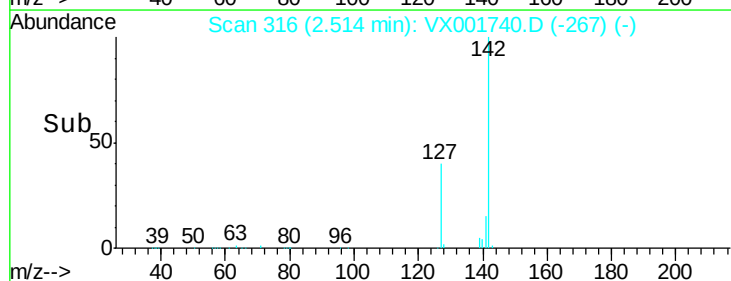
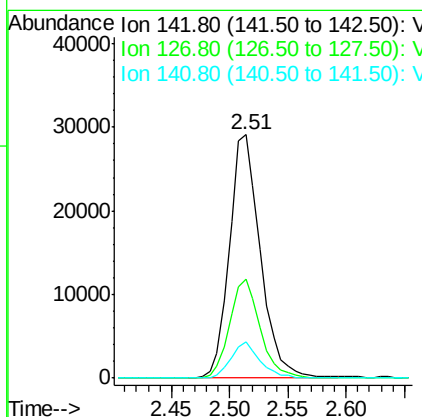
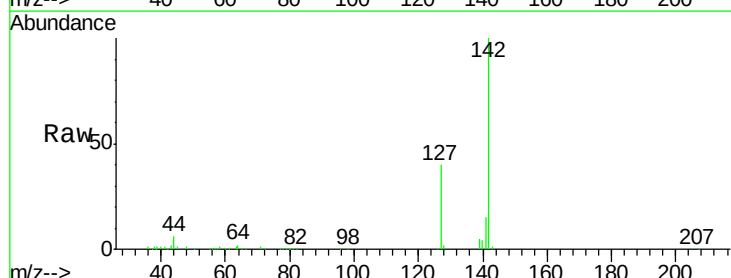
RT: 2.51 min Scan# 316

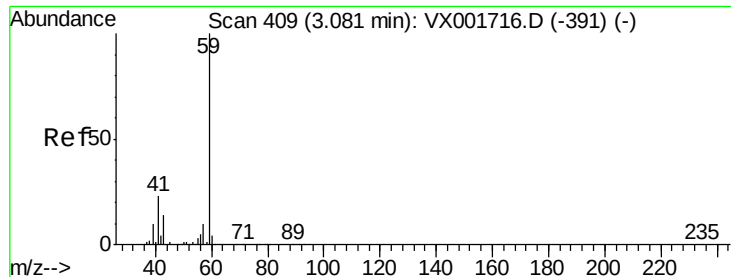
Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Tgt Ion:	142	Resp:	53865
Ion Ratio	Lower	Upper	
142	100		
127	40.0	32.5	48.7
141	14.0	11.4	17.0





#11

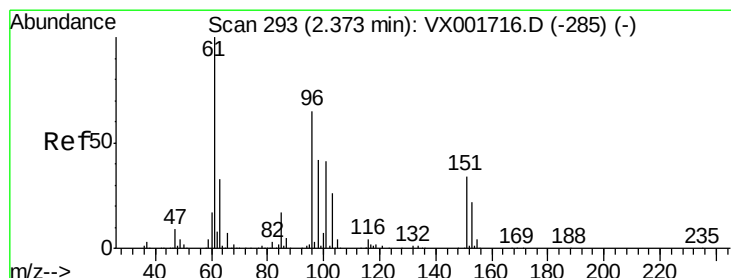
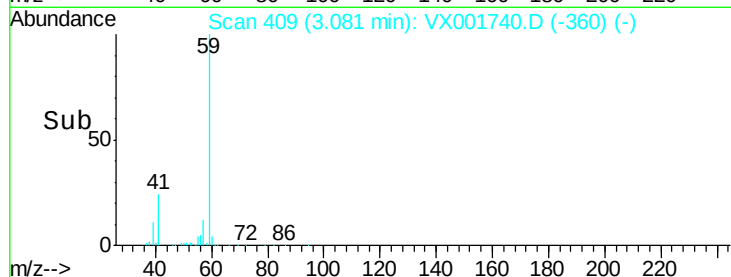
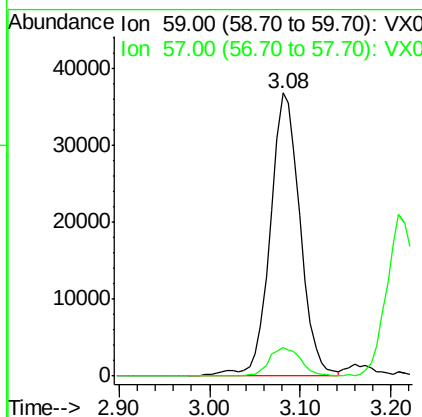
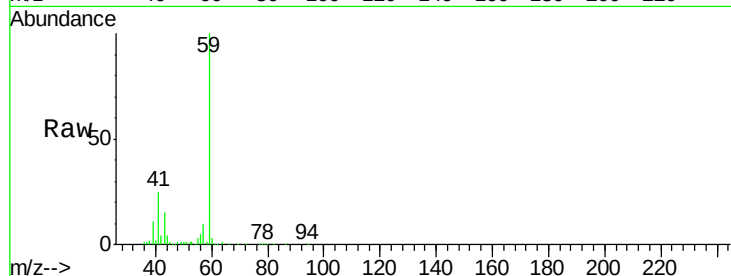
Tert butyl alcohol
 Concen: 112.85 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS03

Tot Ion	59	Resp	83961
Ion Ratio	Lower	Upper	
59	100		
57	10.7	8.5	12.7

Manual Integrations
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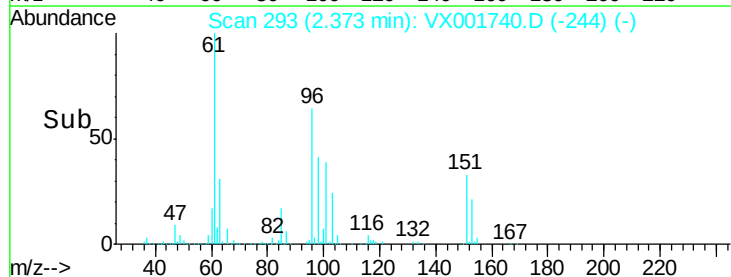
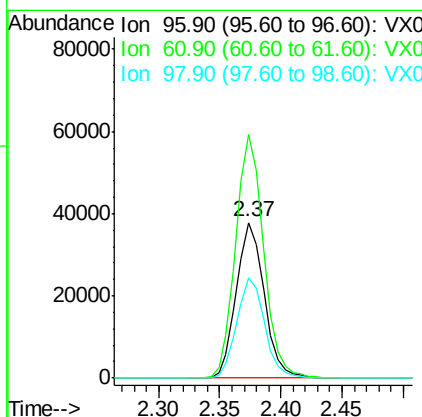
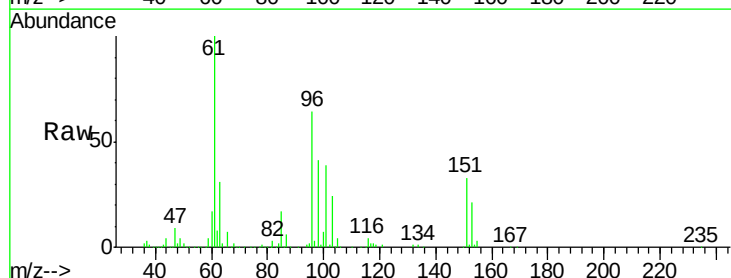
MMDadoda
 5/16/2018 11:54:15 AM

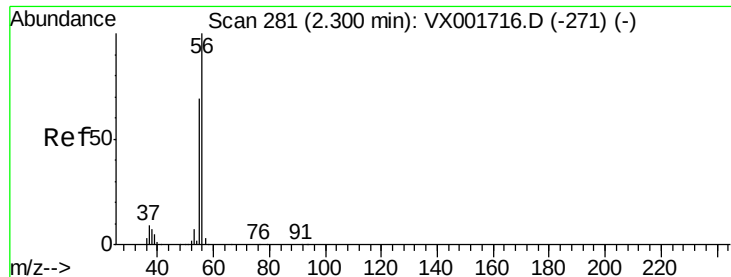


#12

1,1-Dichloroethene
 Concen: 19.38 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Tgt Ion	96	Resp	59892
Ion Ratio	Lower	Upper	
96	100		
61	156.3	122.2	183.2
98	64.6	51.4	77.0





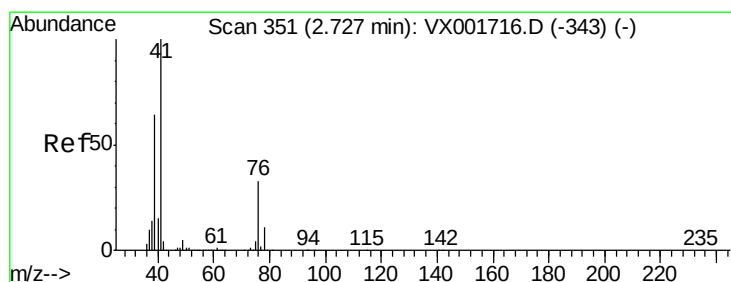
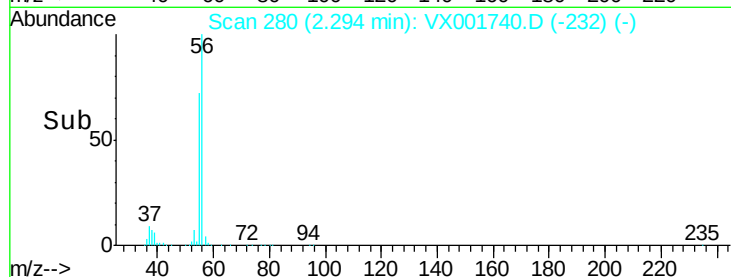
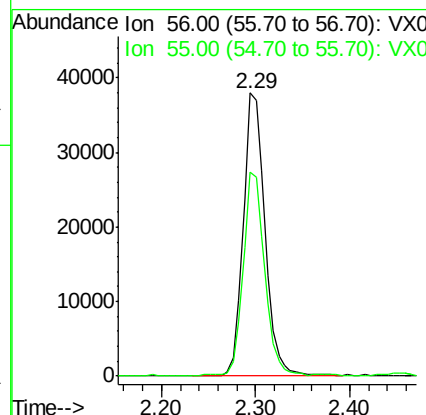
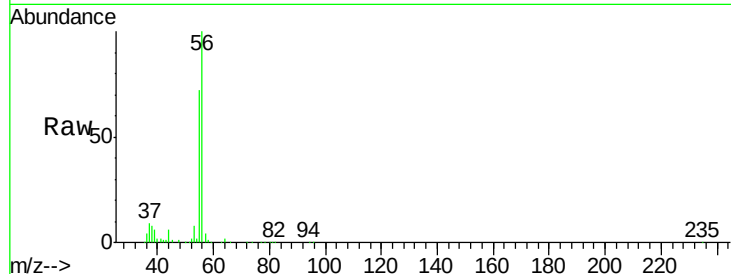
#13
Acrolein
Concen: 115.28 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS03

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.7	56.2	84.2

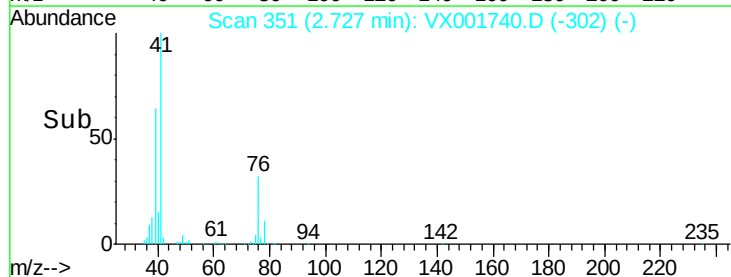
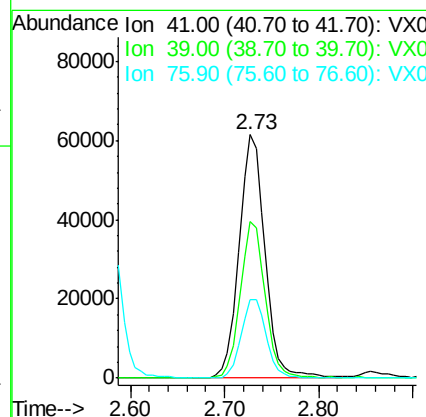
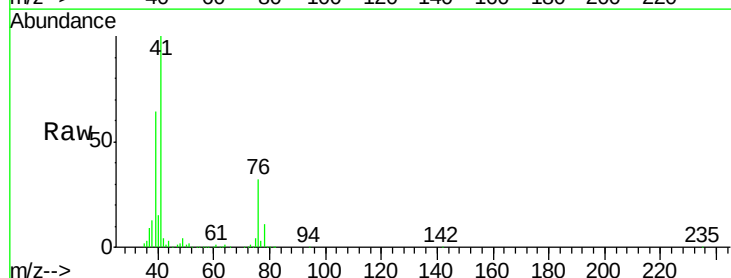
Manual Integrations
APPROVED

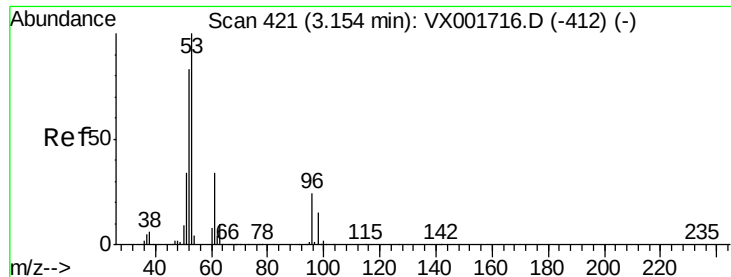
MMDadoda
5/16/2018 11:54:15 AM



#14
Allyl chloride
Concen: 20.44 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.2	49.8	74.6
76	31.8	25.8	38.8





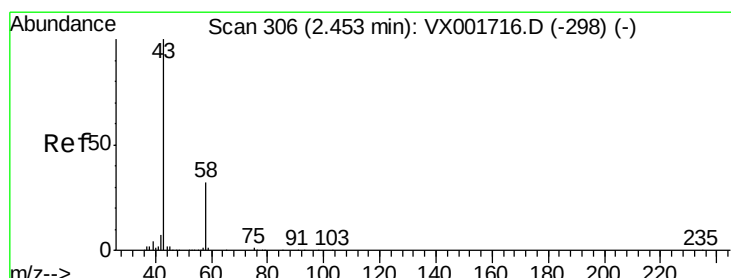
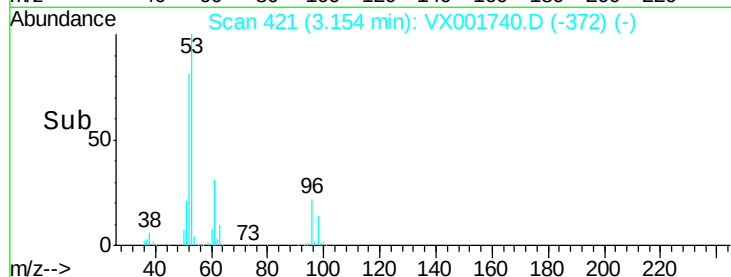
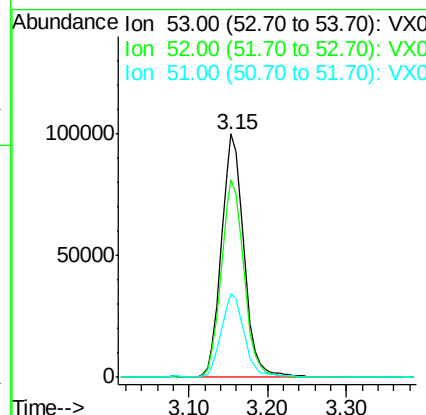
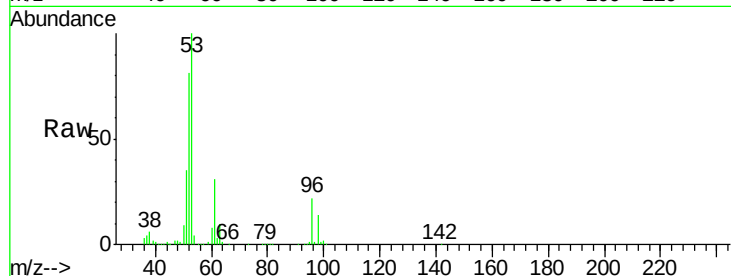
#15
 Acrylonitrile
 Concen: 105.21 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS03

Tot Ion	Ratio	Resp	Lower	Upper
53	100	196595		
52	82.3		65.6	98.4
51	35.5		28.1	42.1

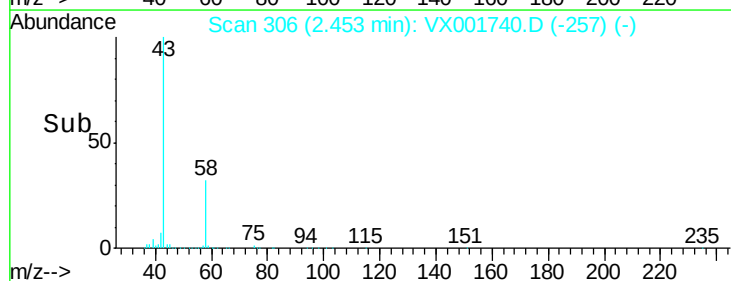
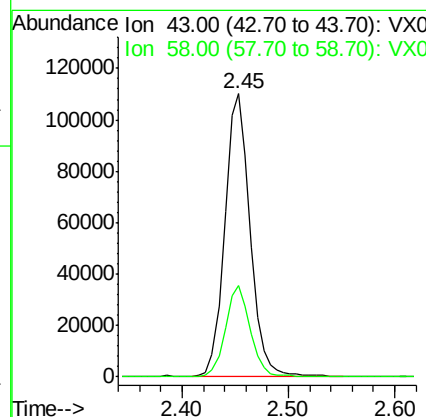
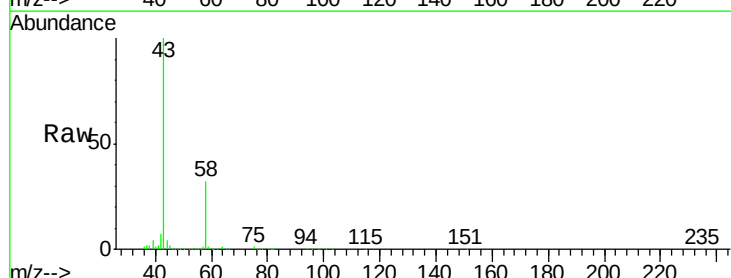
Manual Integrations
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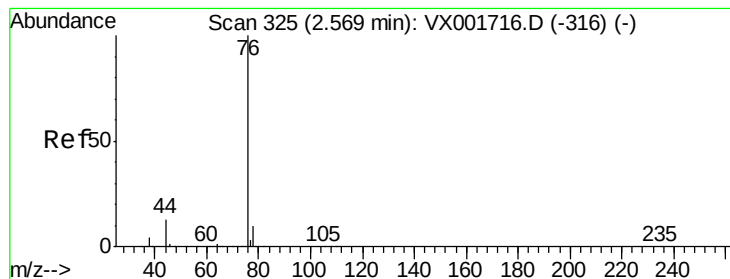
MMDadoda
 5/16/2018 11:54:15 AM



#16
 Acetone
 Concen: 110.37 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	181648		
58	32.2		25.3	37.9





#17

Carbon Disulfide

Concen: 18.55 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS03

Tot Ion: 76 Resp: 149549

Ion Ratio Lower Upper

76 100

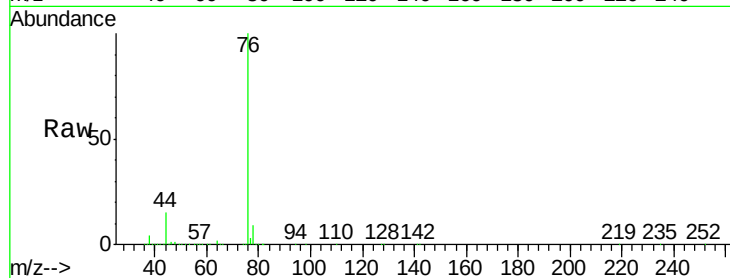
78 9.3 7.6 11.4

Manual Integrations

APPROVED

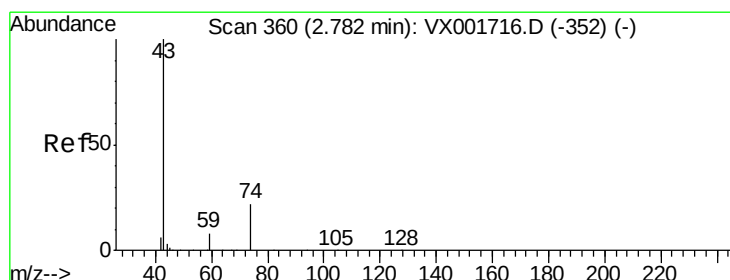
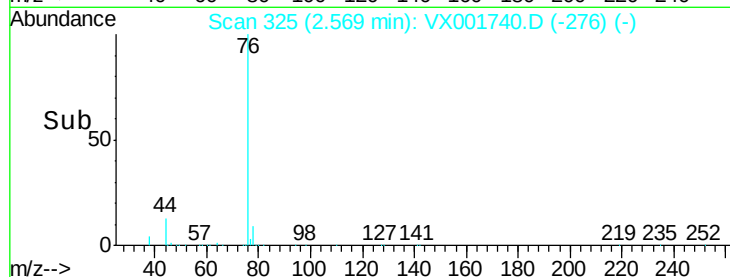
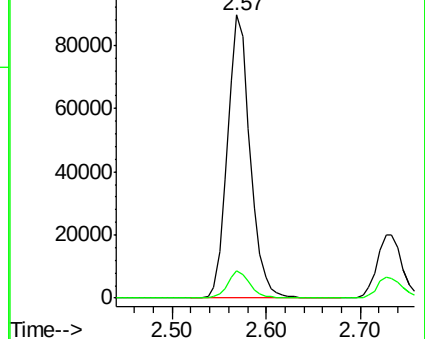
MMDadoda

5/16/2018 11:54:15 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.62 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001740.D

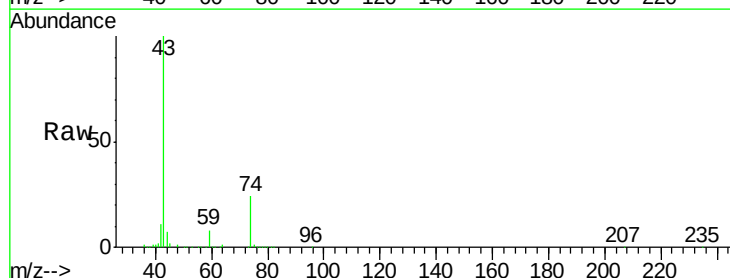
Acq: 15 May 2018 12:54

Tgt Ion: 43 Resp: 104032

Ion Ratio Lower Upper

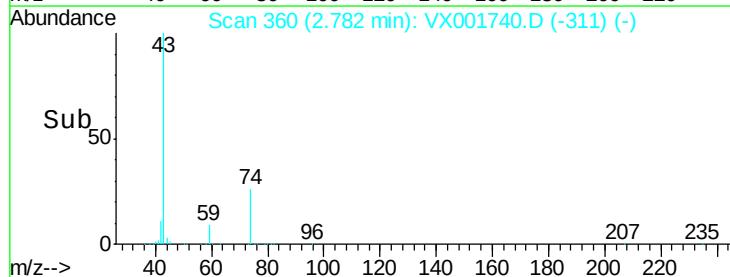
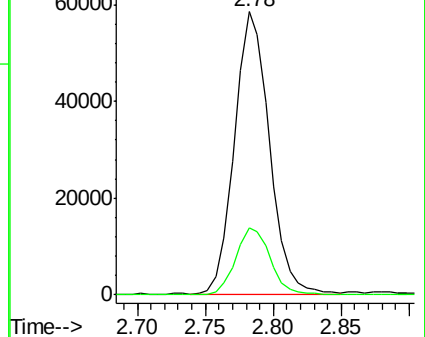
43 100

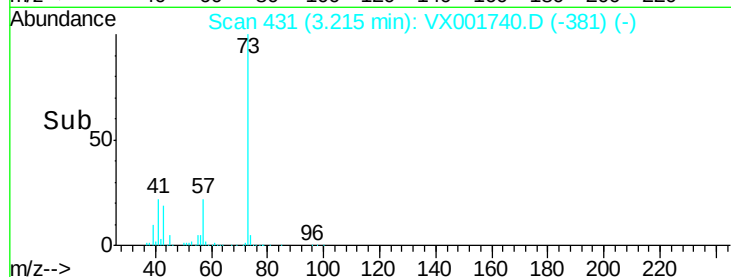
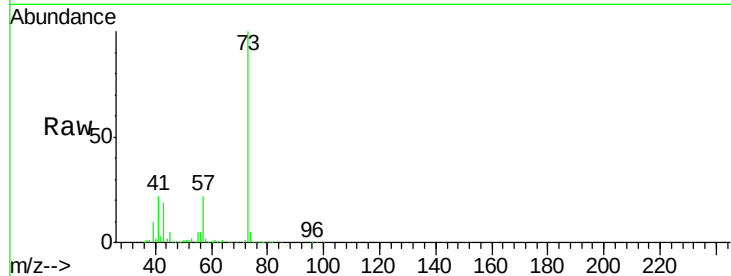
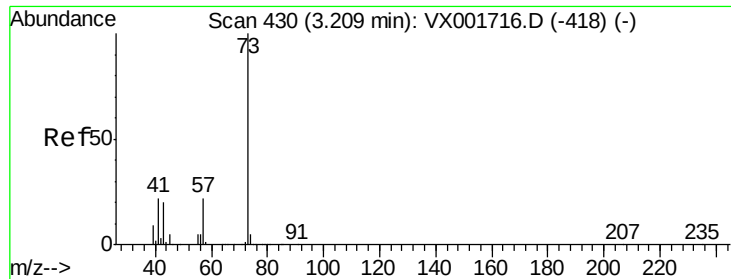
74 23.9 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





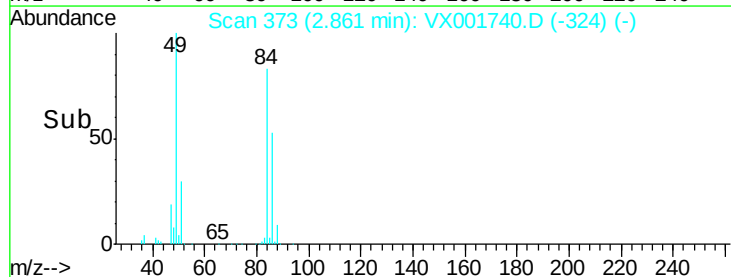
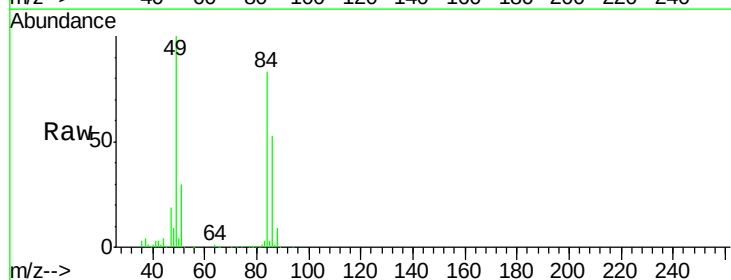
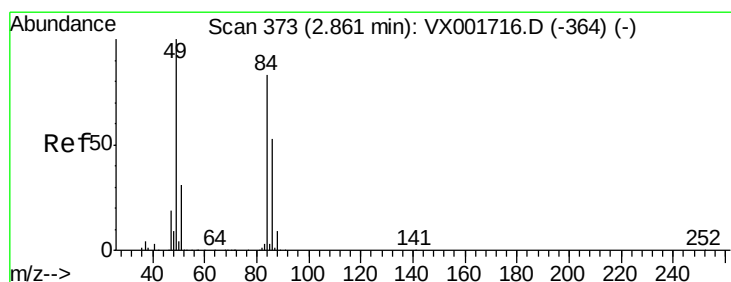
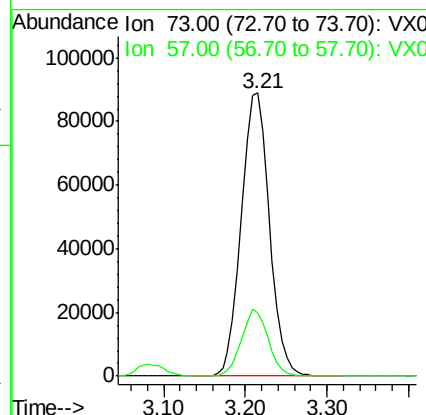
#19
Methyl tert-butyl Ether
Concen: 20.43 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.5	26.3

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS03

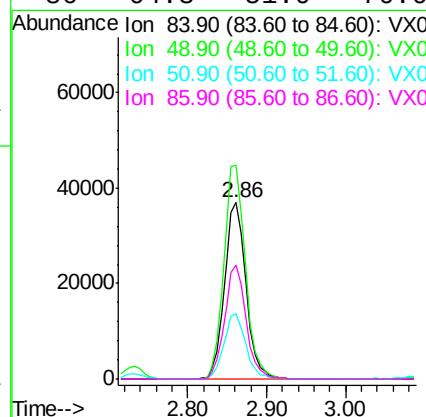
Manual Integrations
APPROVED

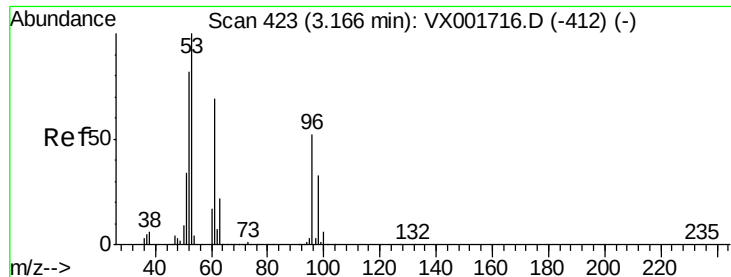
MMDadoda
5/16/2018 11:54:15 AM



#20
Methylene Chloride
Concen: 19.87 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.0	96.3	144.5
51	36.8	29.8	44.6
86	64.3	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 19.66 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

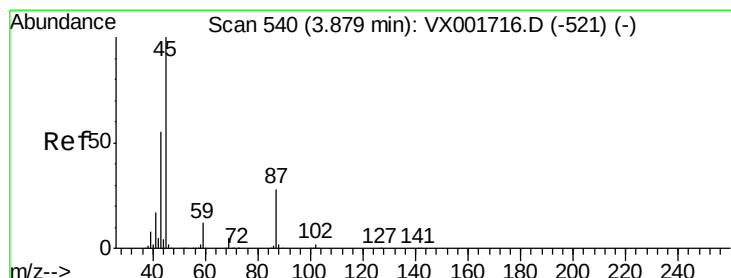
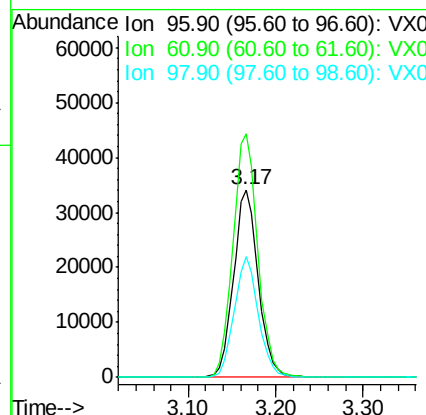
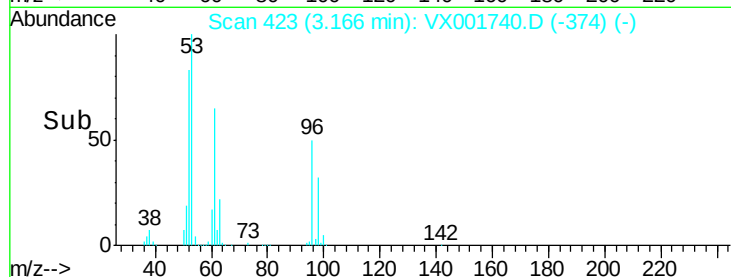
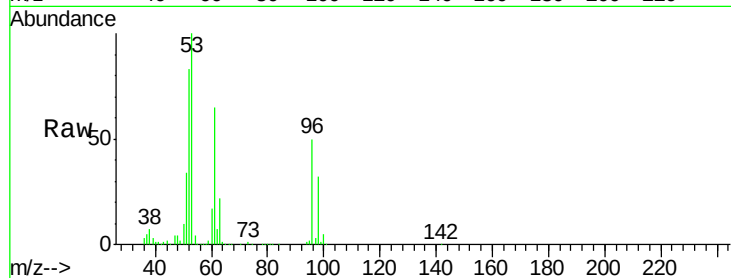
ClientSampleId :

VX0515WBS03

Tot Ion:	96	Resp:	66908
Ion	Ratio	Lower	Upper
96	100		
61	129.9	105.8	158.8
98	64.1	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.67 ug/l

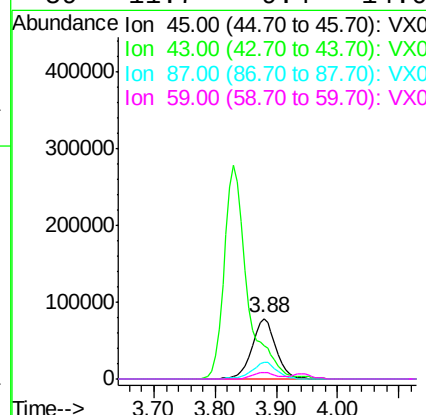
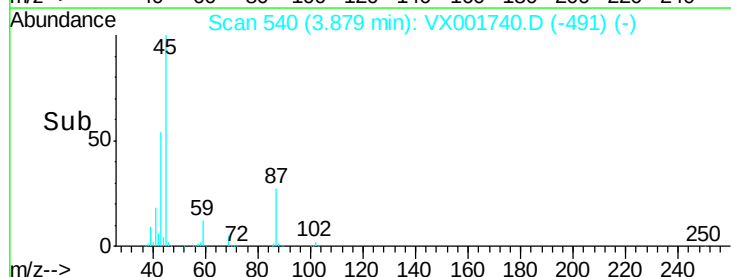
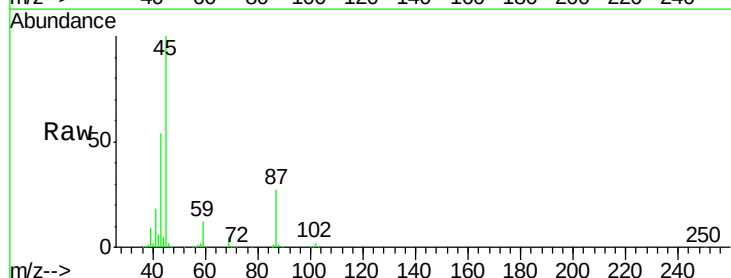
RT: 3.88 min Scan# 540

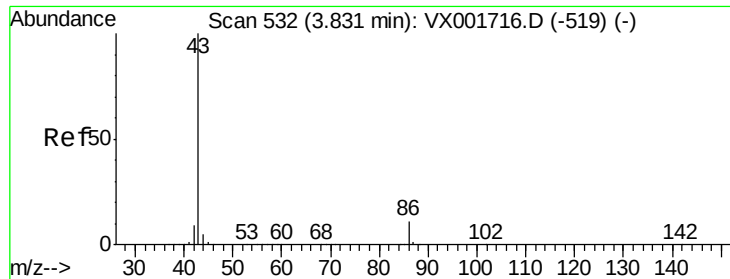
Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Tgt Ion:	45	Resp:	215574
Ion	Ratio	Lower	Upper
45	100		
43	54.0	44.3	66.5
87	27.3	22.6	33.8
59	11.7	9.4	14.0





#23

Vinyl Acetate

Concen: 93.37 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS03

Tot Ion: 43 Resp: 737070

Ion Ratio Lower Upper

43 100

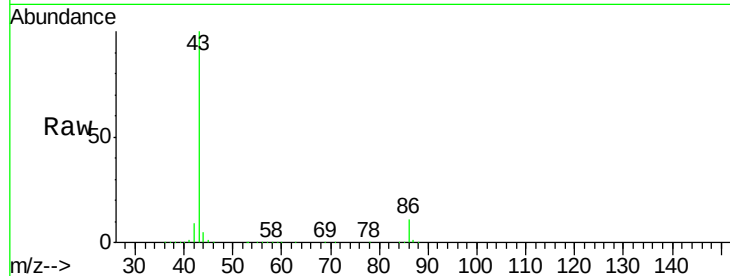
86 11.0 8.7 13.1

Manual Integrations

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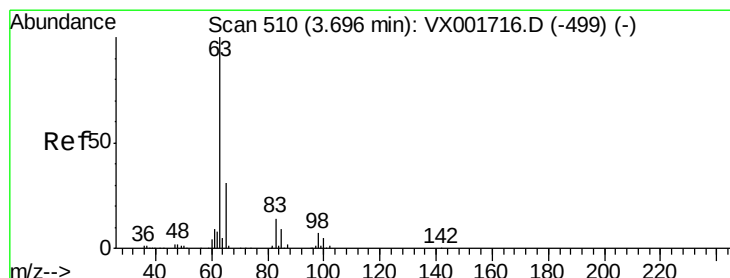
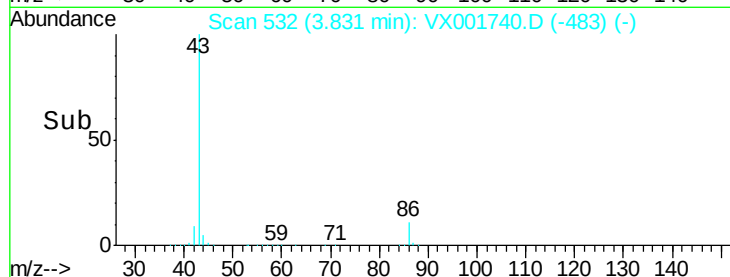
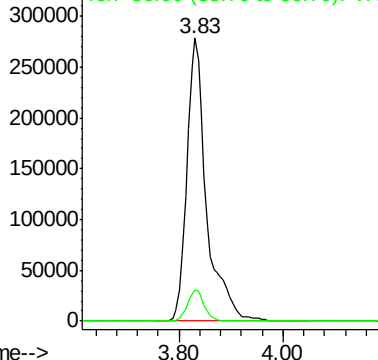
MMDadoda

5/16/2018 11:54:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.40 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

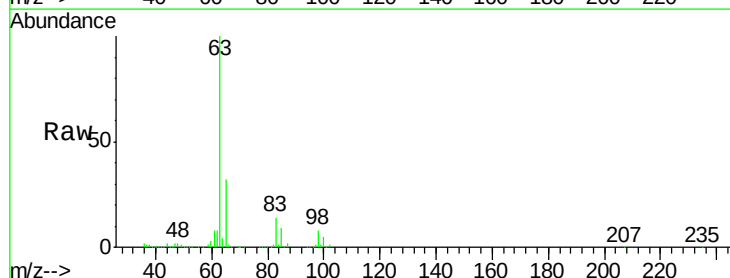
Tgt Ion: 63 Resp: 122577

Ion Ratio Lower Upper

63 100

98 7.7 3.7 11.1

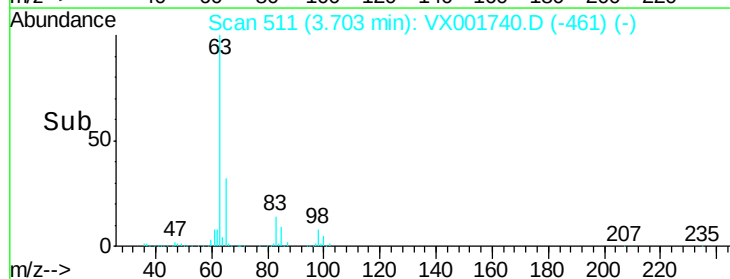
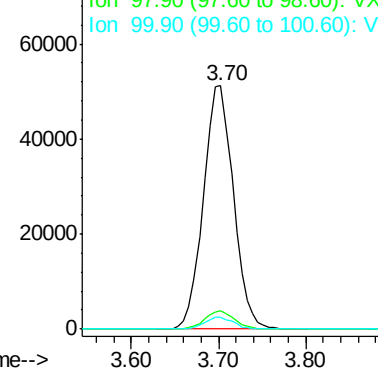
100 4.7 2.4 7.2

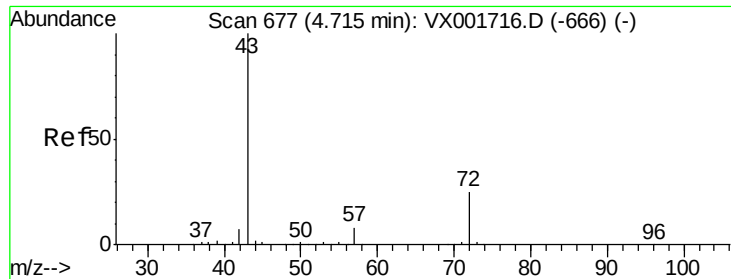


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 109.09 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS03

Tot Ion: 43 Resp: 274884

Ion Ratio Lower Upper

43 100

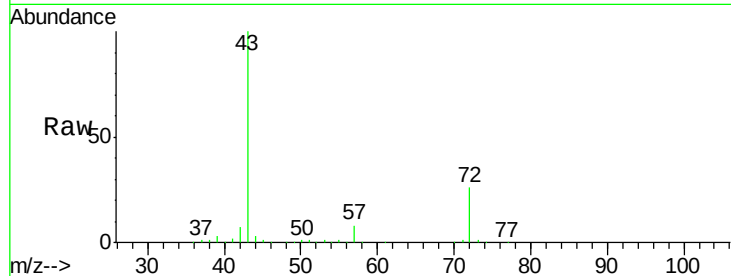
72 25.7 19.8 29.6

Manual Integrations

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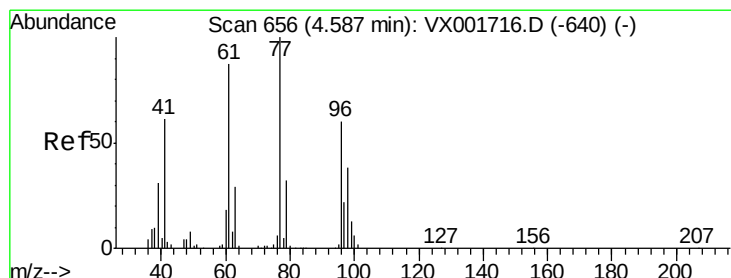
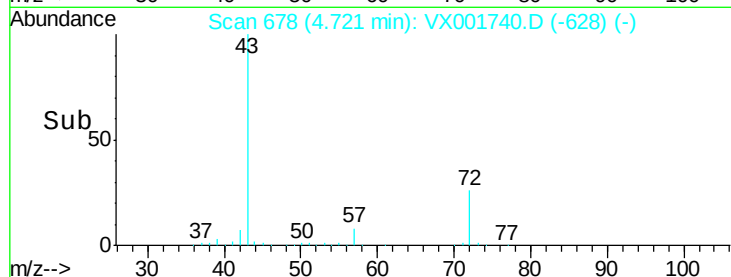
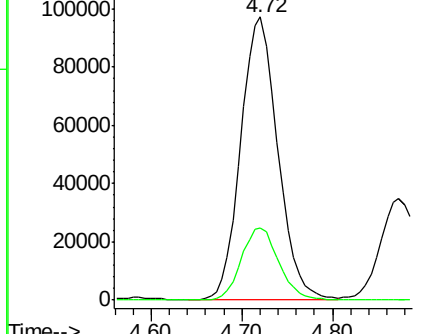
MMDadoda

5/16/2018 11:54:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.11 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001740.D

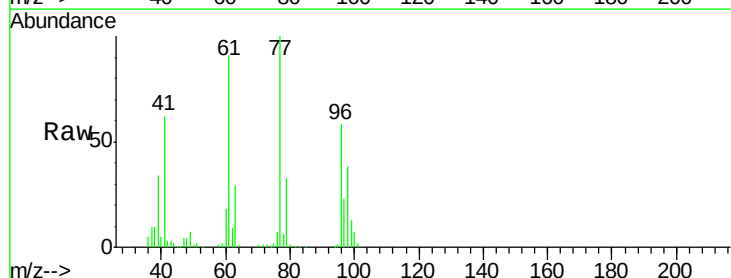
Acq: 15 May 2018 12:54

Tgt Ion: 77 Resp: 97272

Ion Ratio Lower Upper

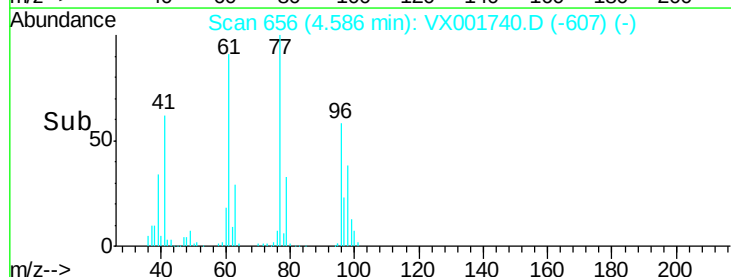
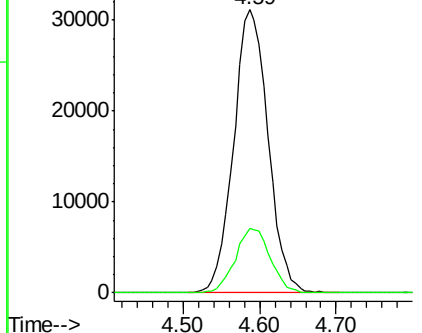
77 100

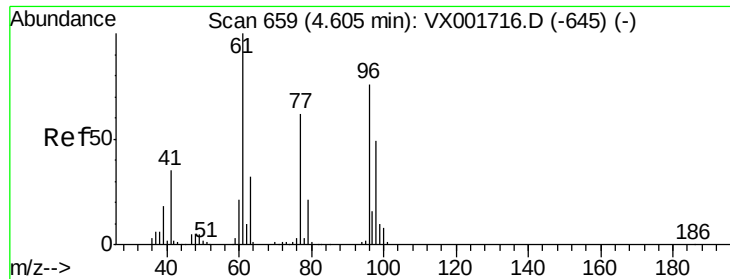
97 23.2 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

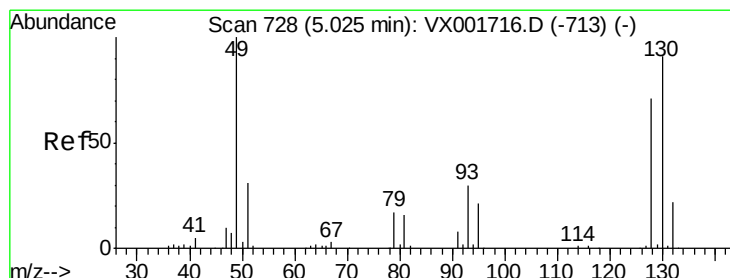
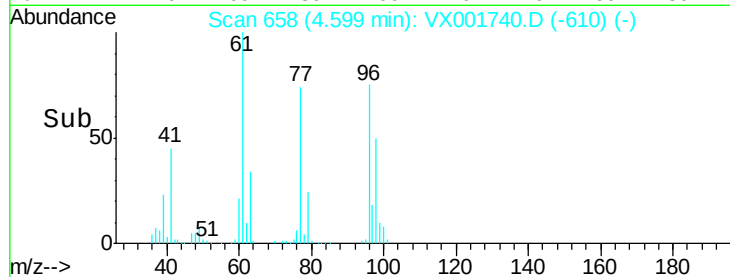
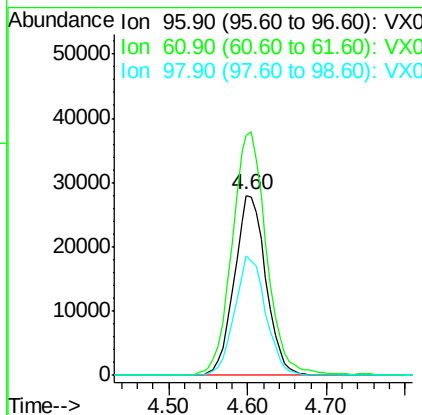
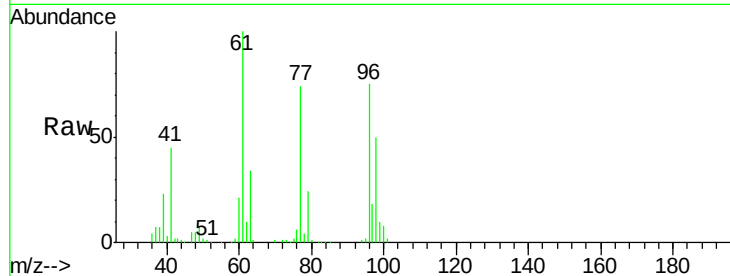
cis-1,2-Dichloroethene
 Concen: 20.10 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	280.4
98	65.1	0.0	128.4

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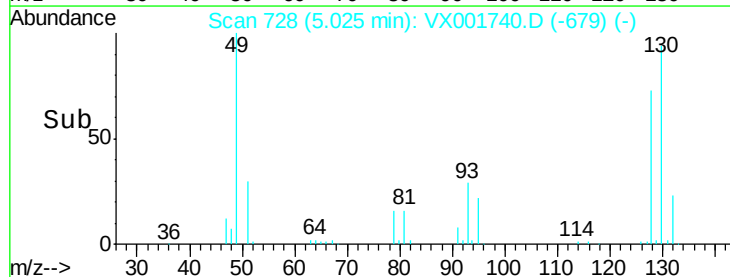
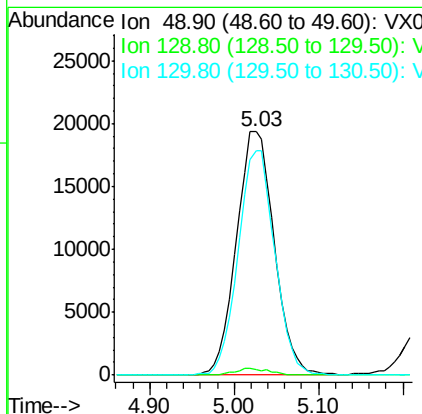
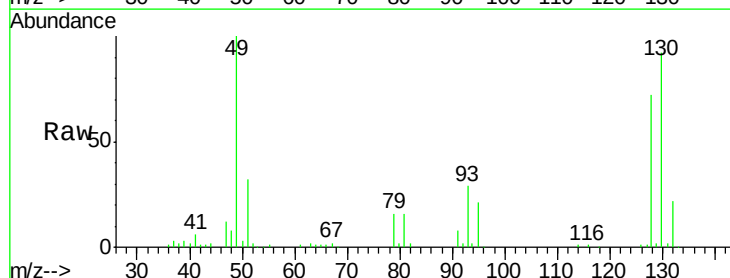
MMDadoda
 5/16/2018 11:54:15 AM

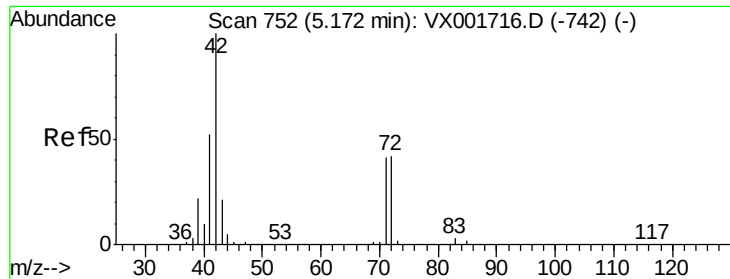


#28

Bromochloromethane
 Concen: 22.10 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.0
130	89.0	71.8	107.6





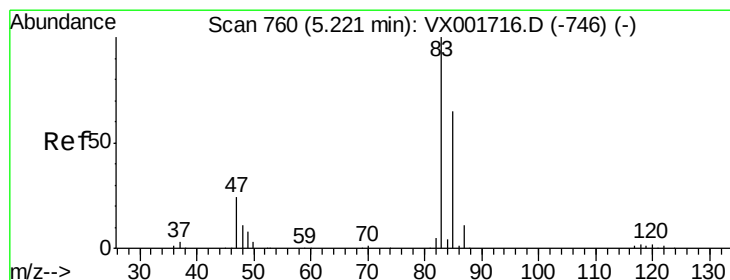
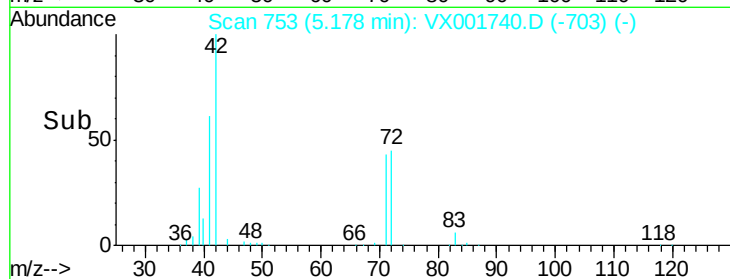
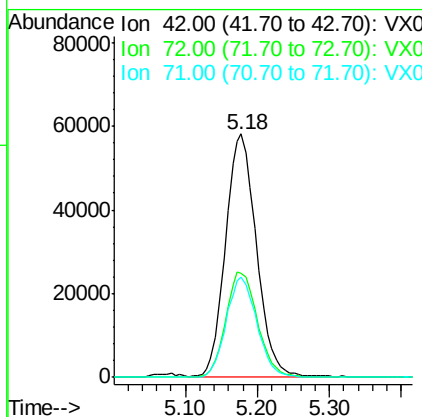
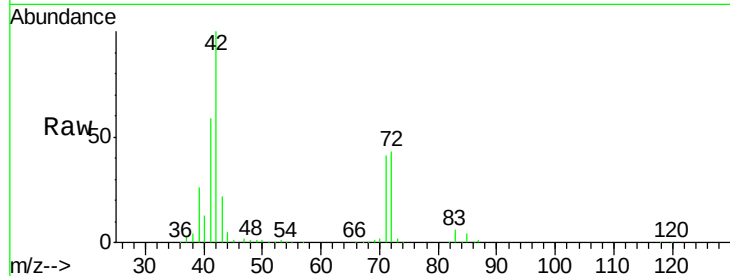
#29
Tetrahydrofuran
Concen: 105.19 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.4	53.2
71	41.2	33.2	49.8

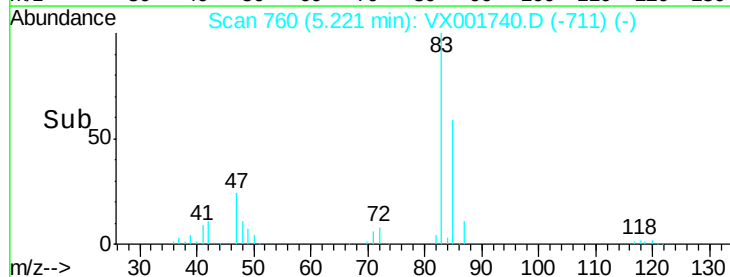
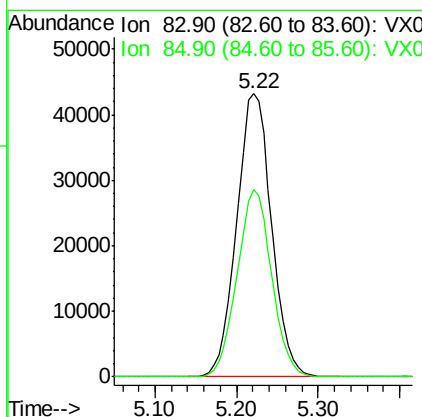
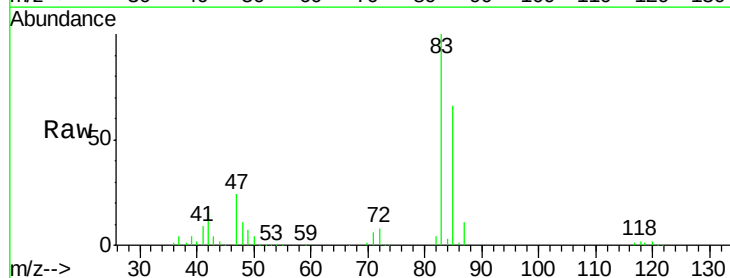
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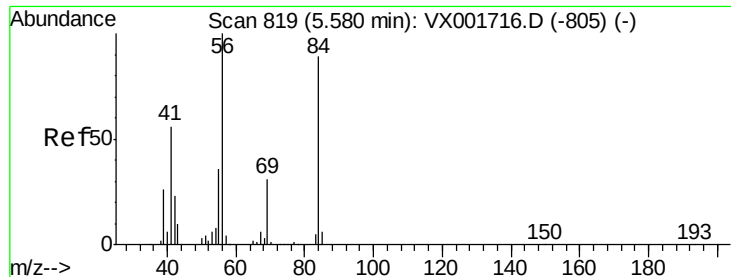
MMDadoda
5/16/2018 11:54:15 AM



#30
Chloroform
Concen: 20.30 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.3	78.5





#31

Cyclohexane

Concen: 20.23 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

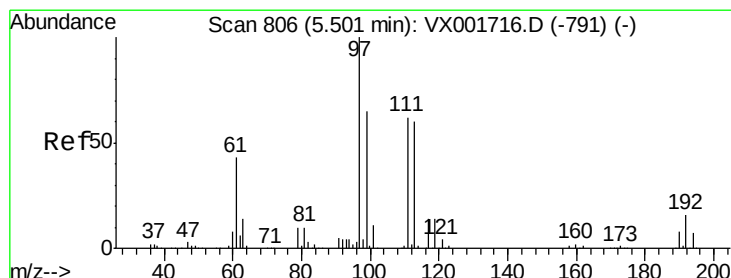
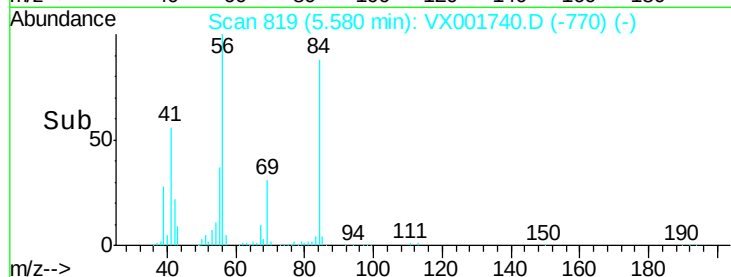
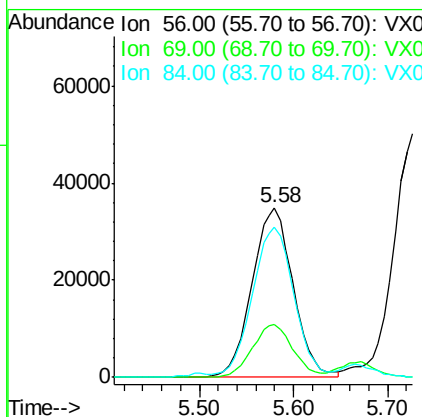
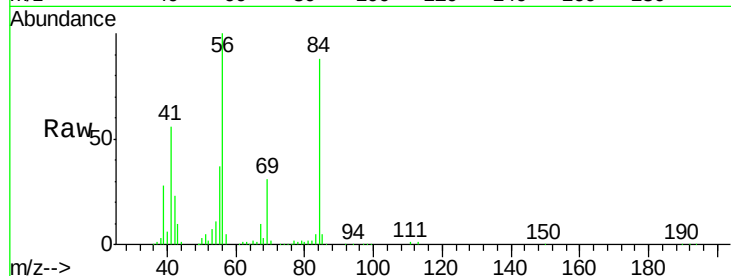
ClientSampleId :

VX0515WBS03

Tot Ion:	56	Resp:	106572
Ion Ratio	Lower	Upper	
56	100		
69	31.1	25.0	37.6
84	87.2	71.0	106.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.58 ug/l

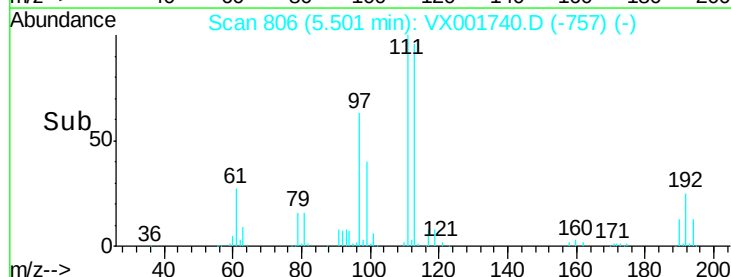
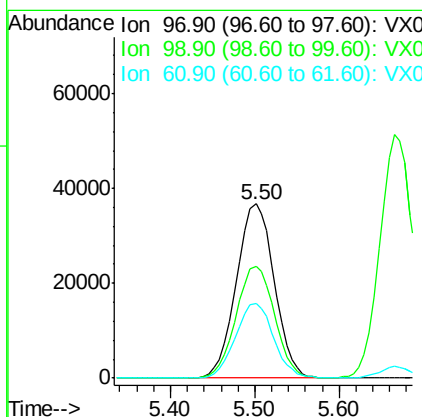
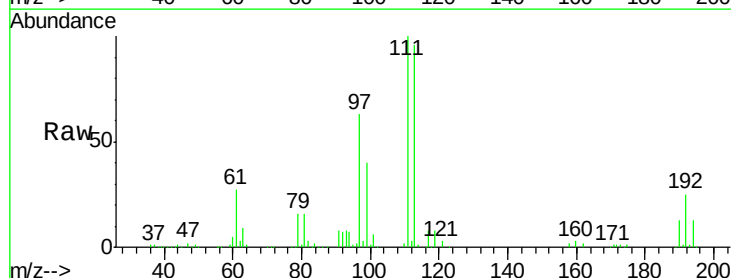
RT: 5.50 min Scan# 806

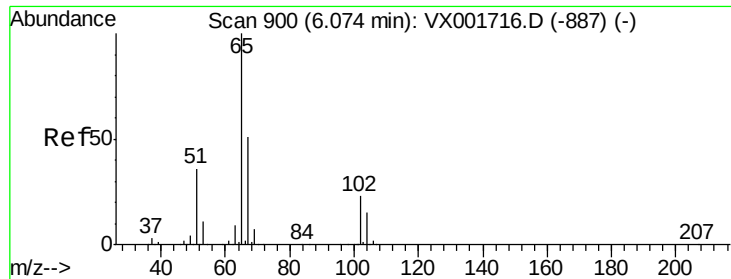
Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Tgt Ion:	97	Resp:	112223
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.3	76.9
61	42.9	34.0	51.0





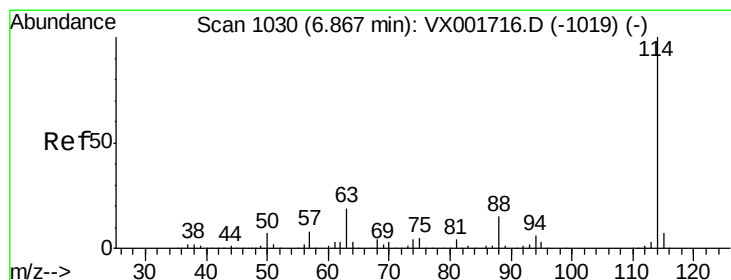
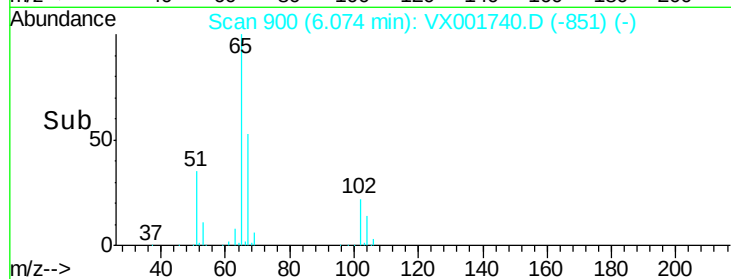
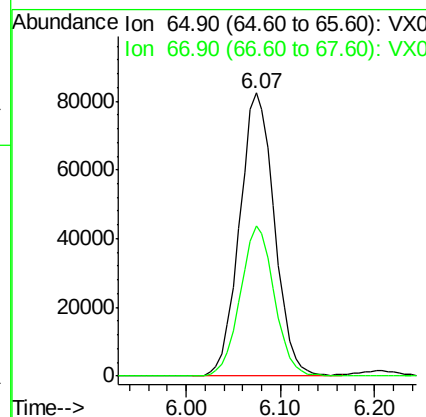
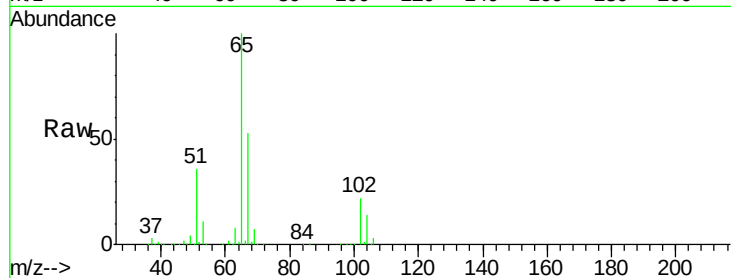
#33
 1,2-Dichloroethane-d4
 Concen: 50.81 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	212917		
67	52.0	0.0	102.8	

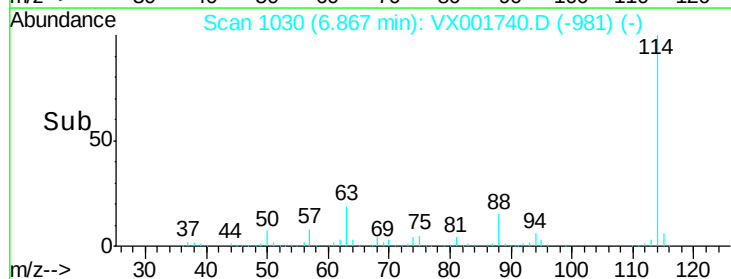
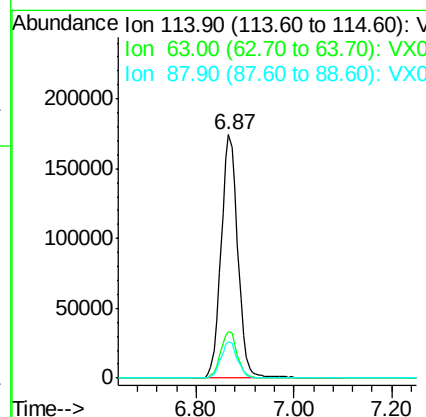
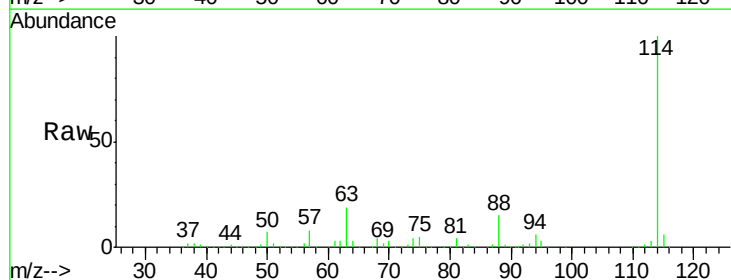
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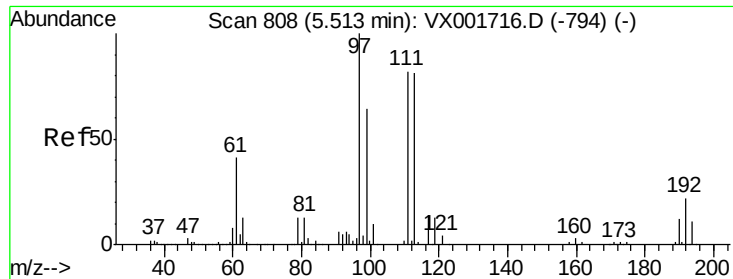
MMDadoda
 5/16/2018 11:54:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	414833		
63	18.9	0.0	37.0	
88	14.7	0.0	29.8	





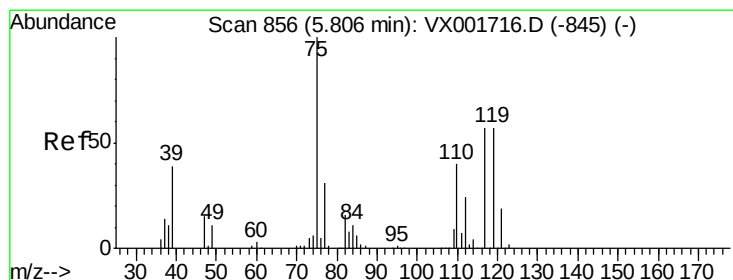
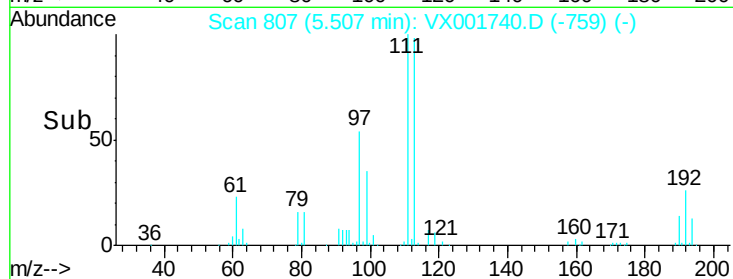
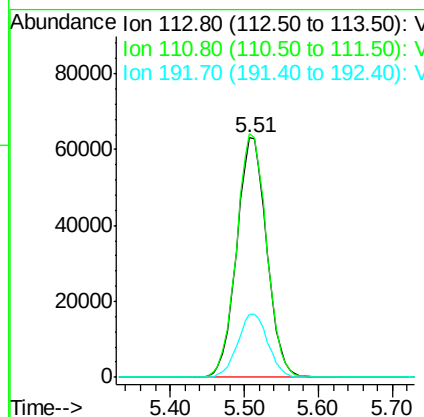
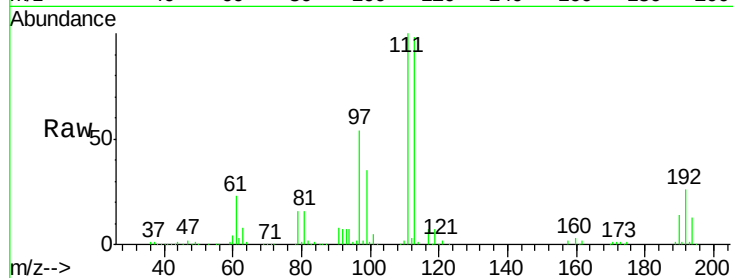
#35
Dibromofluoromethane
Concen: 51.10 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	178877		
111	101.8	82.0	123.0	
192	26.7	21.6	32.4	

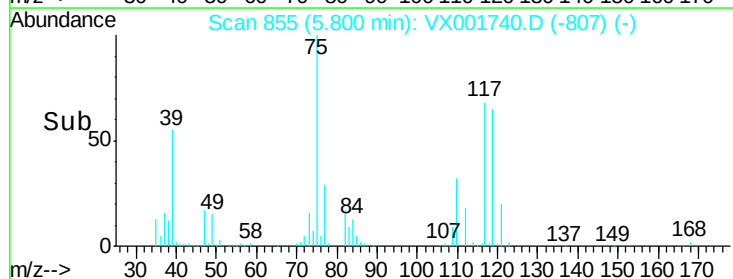
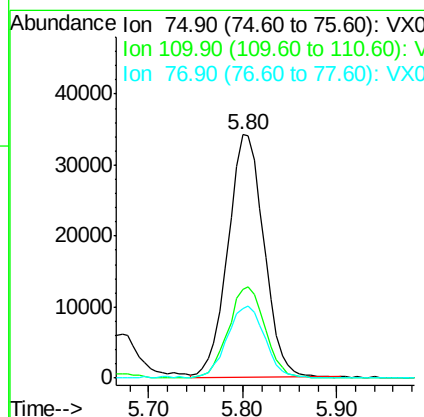
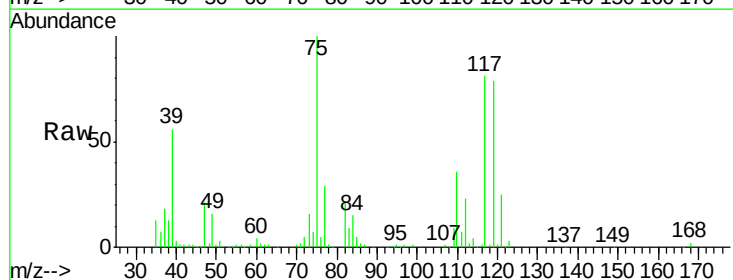
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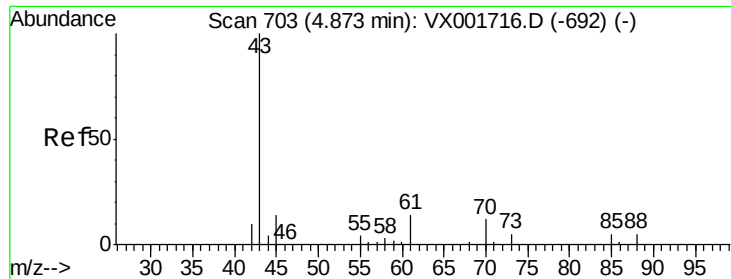
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.02 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.01 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	90826		
110	38.6	19.1	57.1	
77	30.8	24.6	37.0	





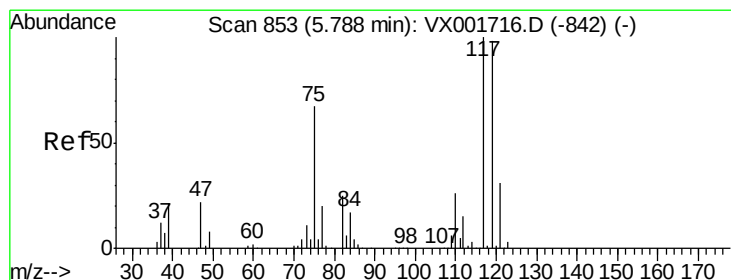
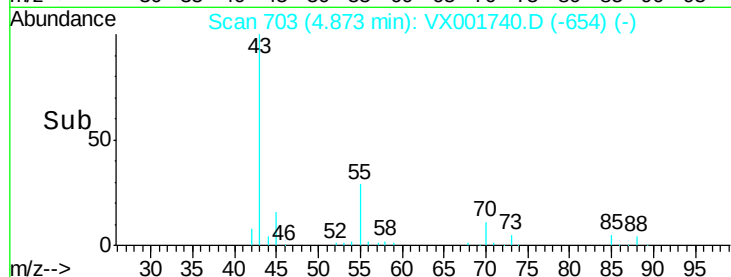
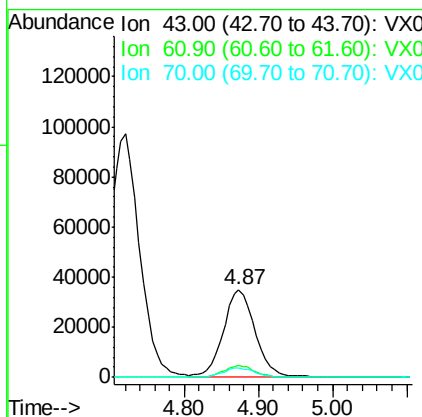
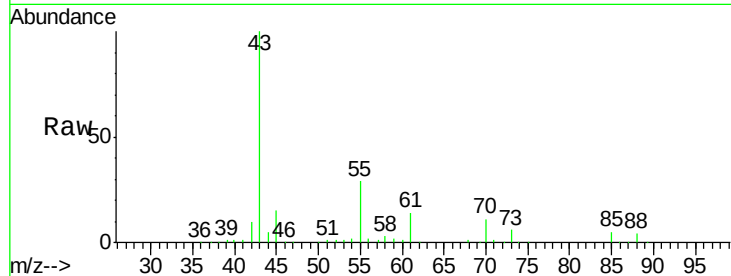
#37
Ethyl Acetate
Concen: 20.66 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.9	16.3
70	10.9	8.8	13.2

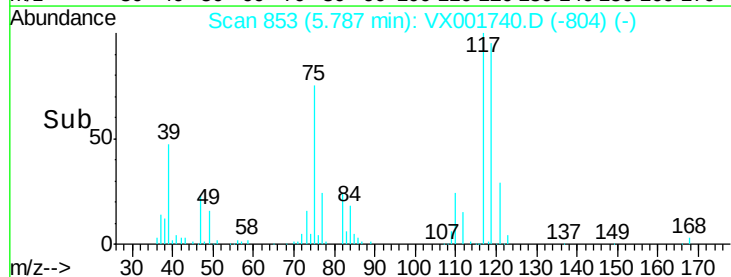
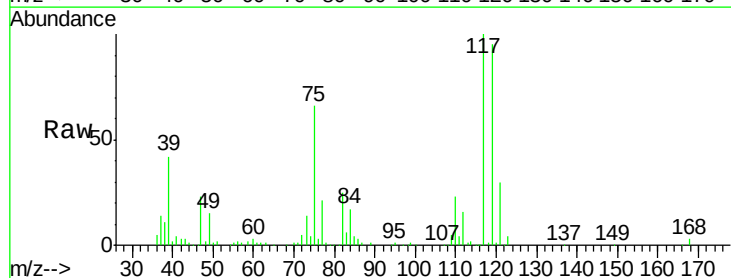
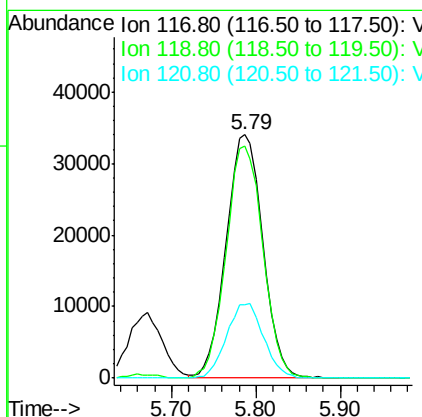
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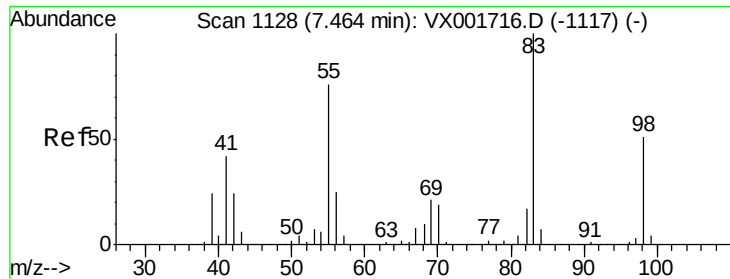
MMDadoda
5/16/2018 11:54:15 AM



#38
Carbon Tetrachloride
Concen: 20.19 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.6	116.4
121	29.9	24.6	36.8





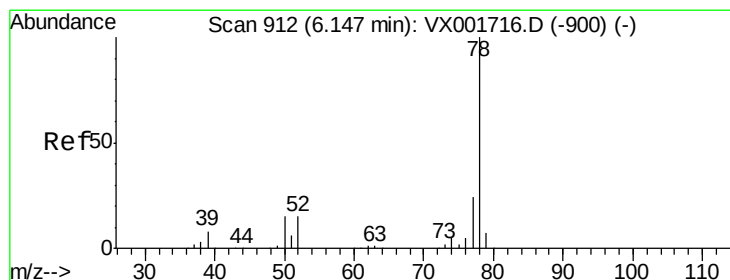
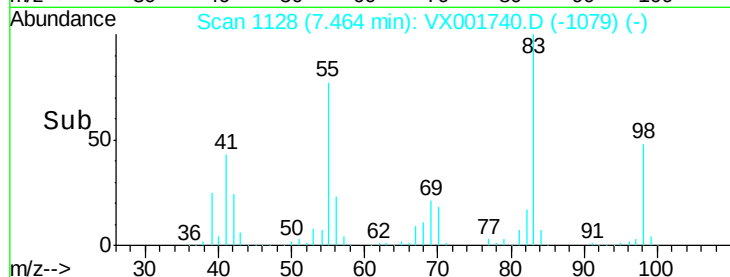
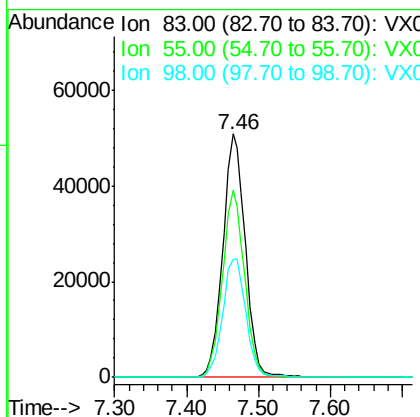
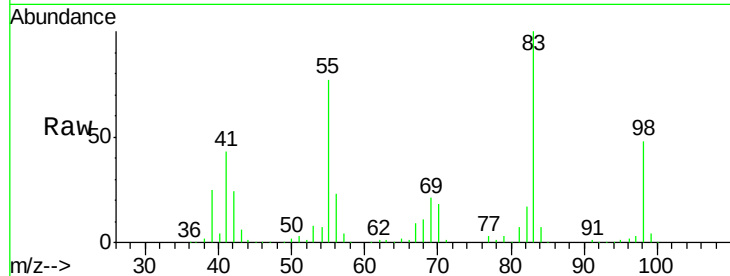
#39
Methylvlcyclohexane
Concen: 19.79 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS03

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.0	60.6	90.8	
98	48.4	40.4	60.6	

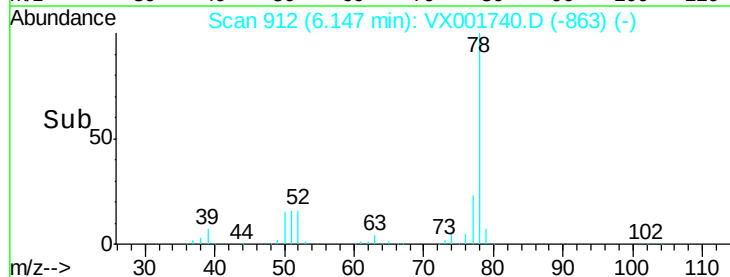
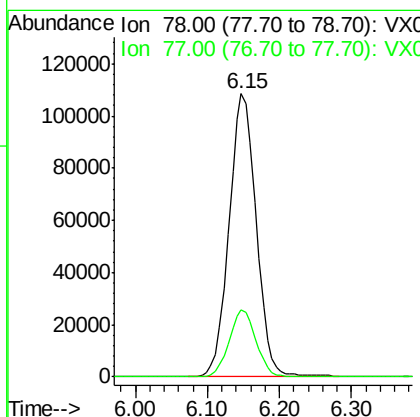
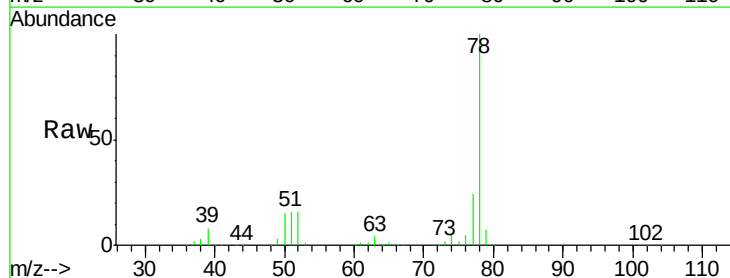
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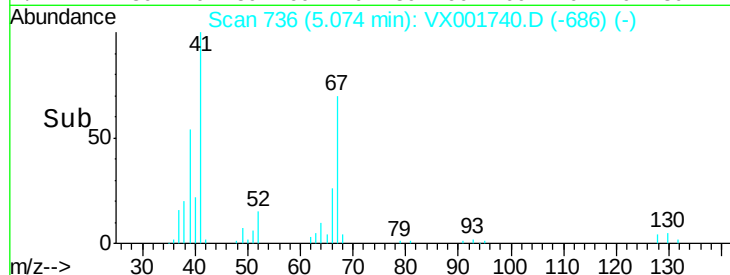
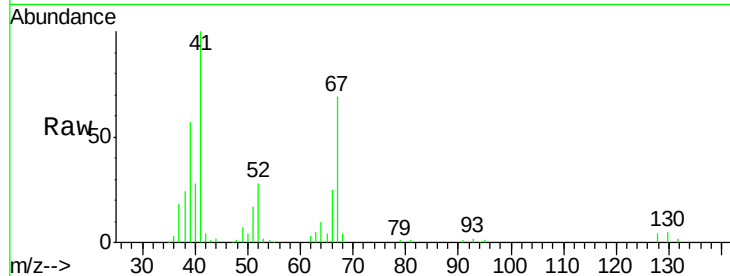
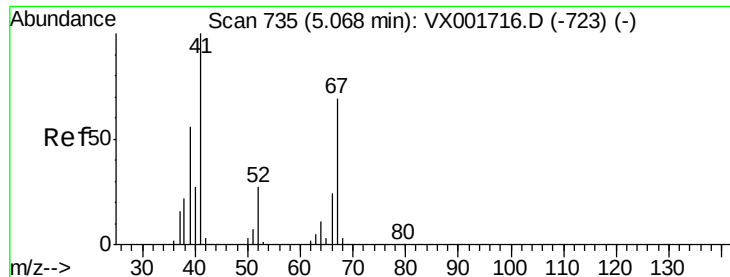
MMDadoda
5/16/2018 11:54:15 AM



#40
Benzene
Concen: 20.22 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	19.0	28.4	





#41

Methacrylonitrile

Concen: 20.48 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.01 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	54.5	44.2	66.4		
67	67.5	56.0	84.0		
52	27.0	22.6	33.8		

Instrument :

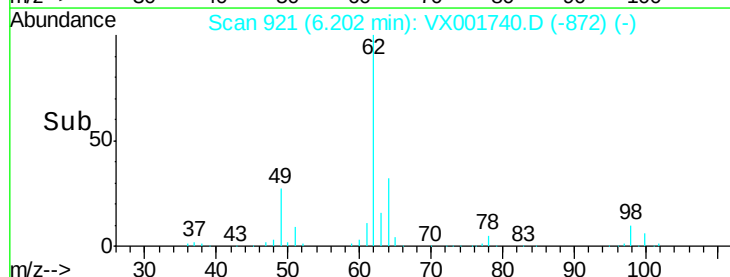
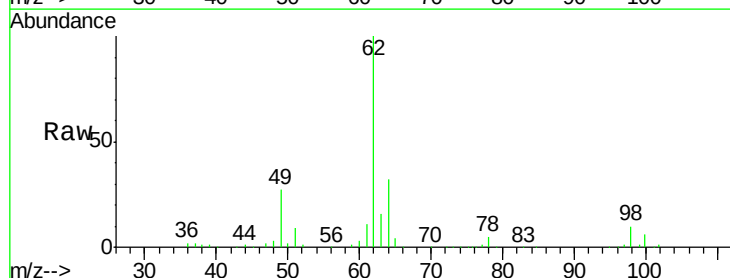
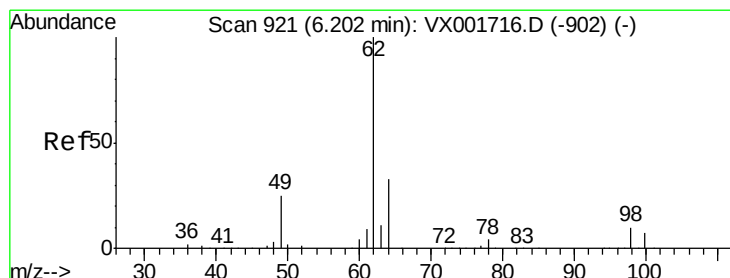
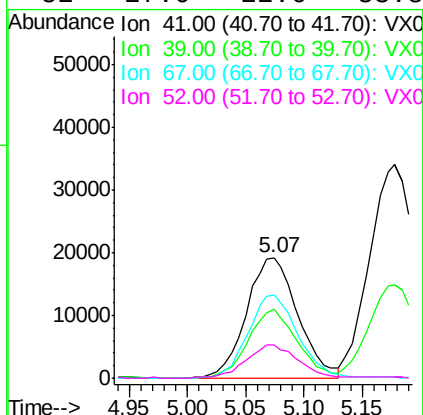
MSVOA_X

ClientSampleId :

VX0515WBS03

Manual Integrations
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MMDadoda
5/16/2018 11:54:15 AM



#42

1,2-Dichloroethane

Concen: 20.48 ug/l

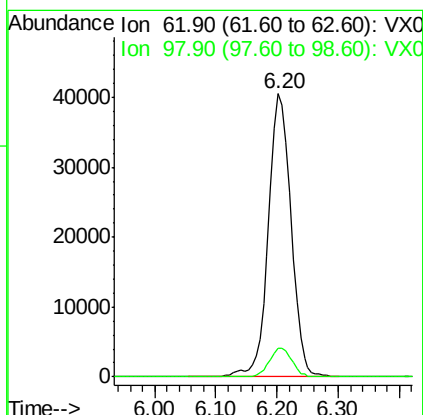
RT: 6.20 min Scan# 921

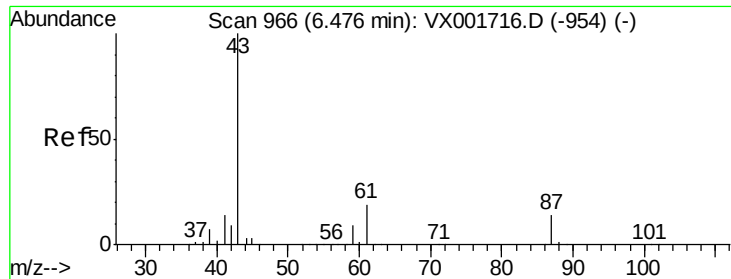
Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.0	0.0	20.0		





#43

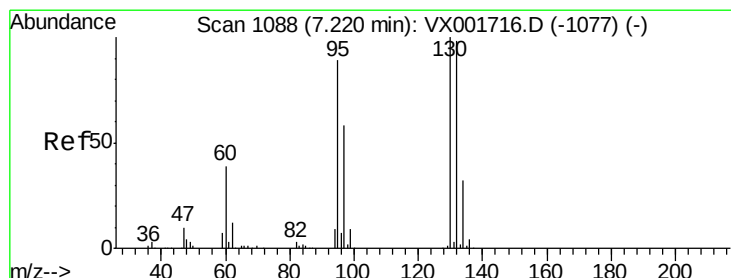
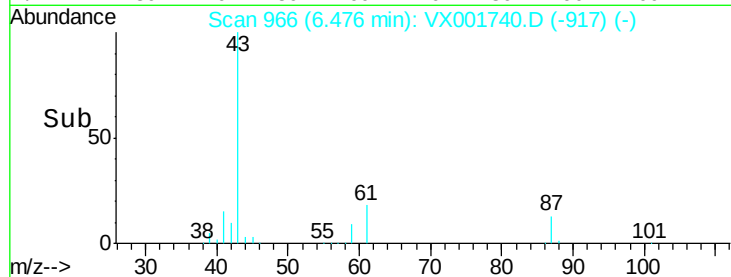
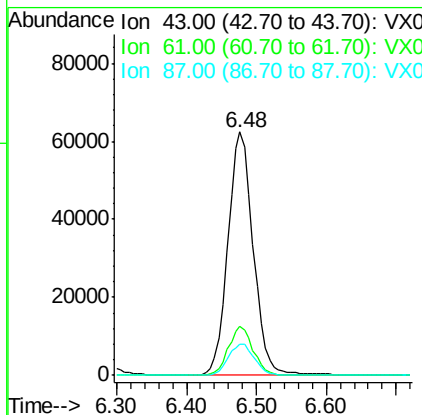
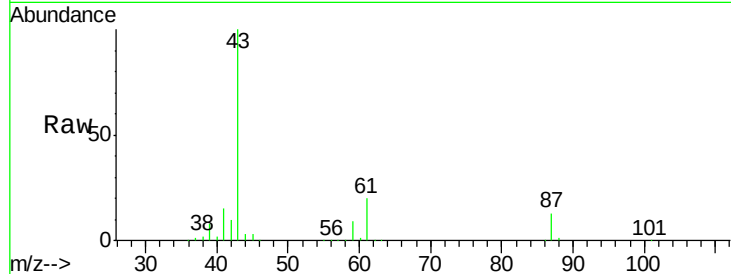
Isopropyl Acetate
 Concen: 20.03 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.8	23.8
87	13.3	11.0	16.4

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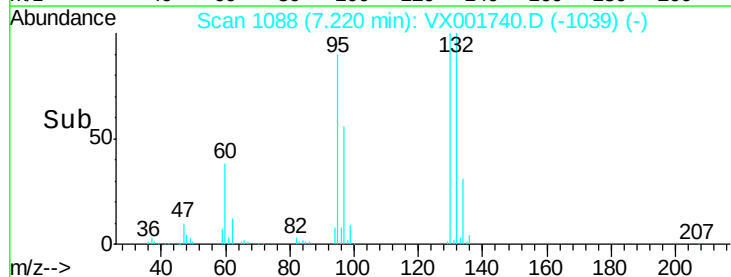
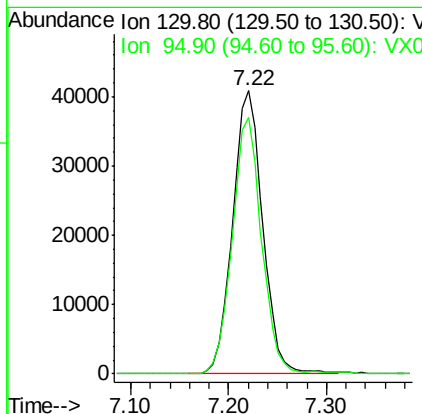
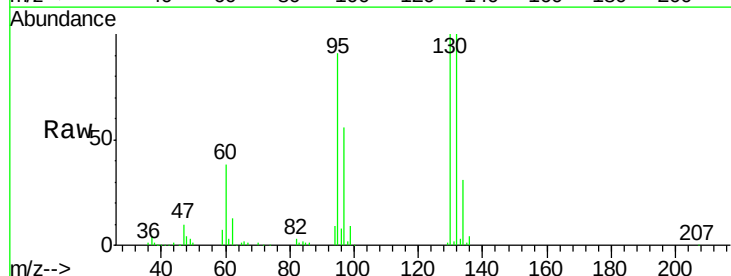
MMDadoda
 5/16/2018 11:54:15 AM

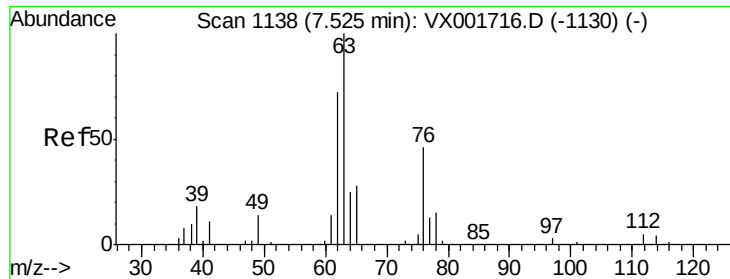


#44

Trichloroethene
 Concen: 19.93 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	177.2





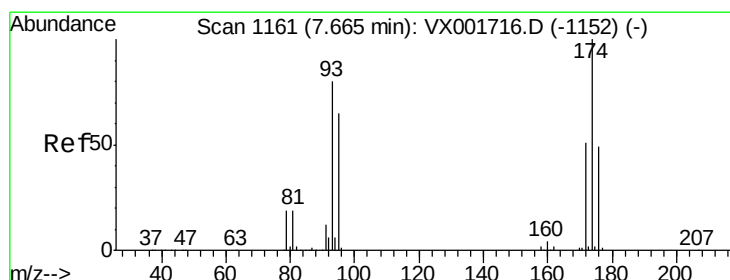
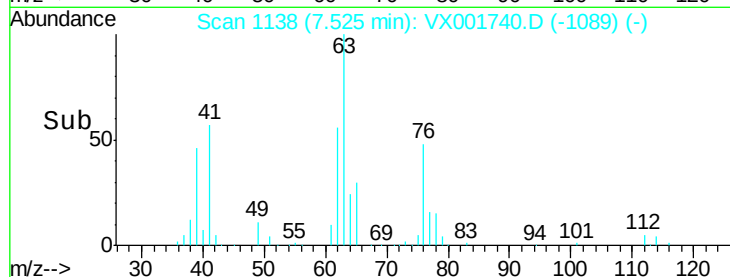
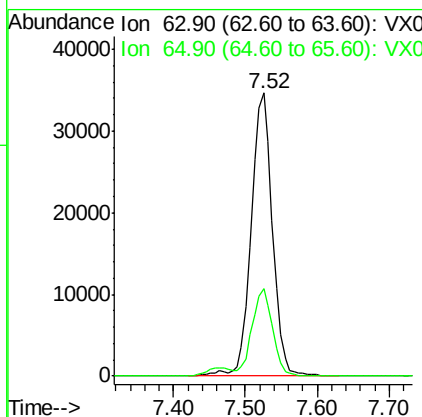
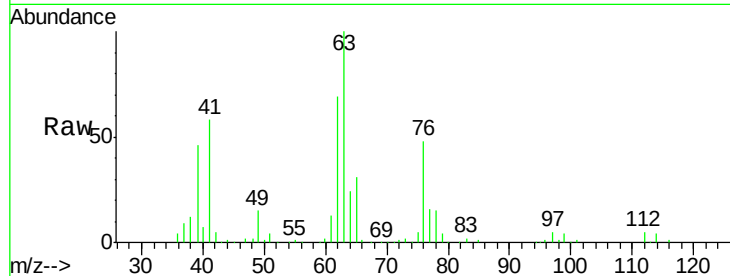
#45
 1,2-Dichloropropane
 Concen: 20.63 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS03

Tot Ion: 63 Resp: 71240
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.2 36.2

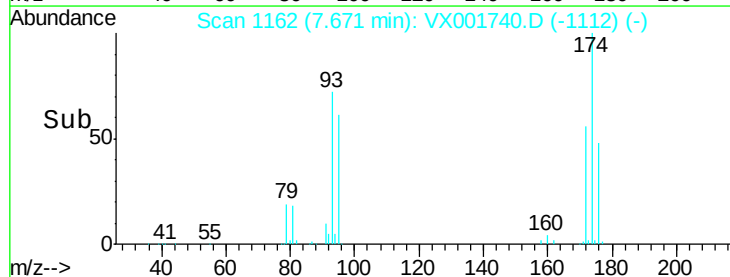
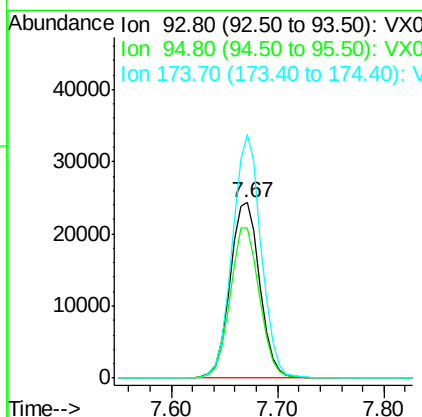
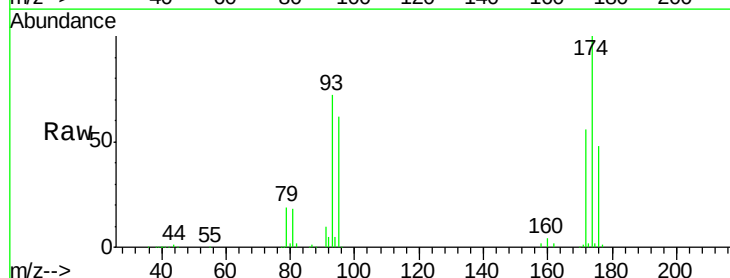
Manual Integrations
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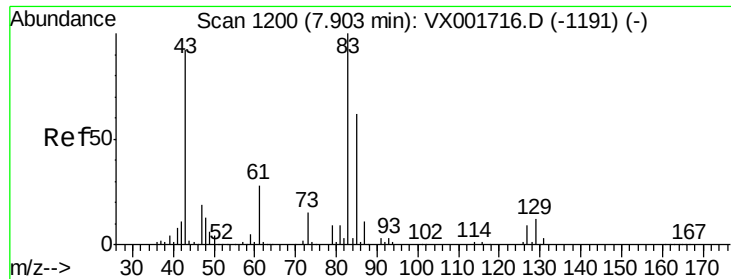
MMDadoda
 5/16/2018 11:54:15 AM



#46
 Dibromomethane
 Concen: 19.79 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Tgt Ion: 93 Resp: 47971
 Ion Ratio Lower Upper
 93 100
 95 84.3 65.9 98.9
 174 133.6 106.2 159.2





#47

Bromodichloromethane

Concen: 20.24 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

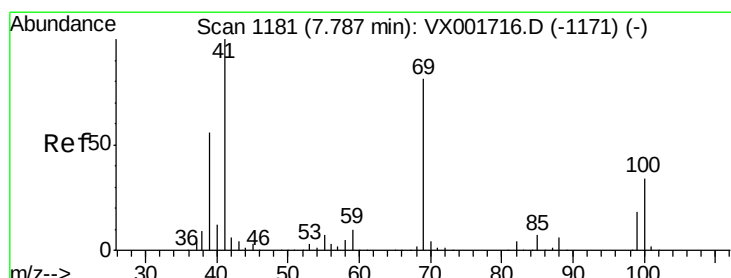
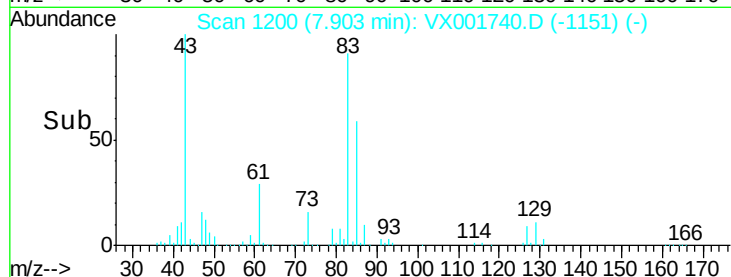
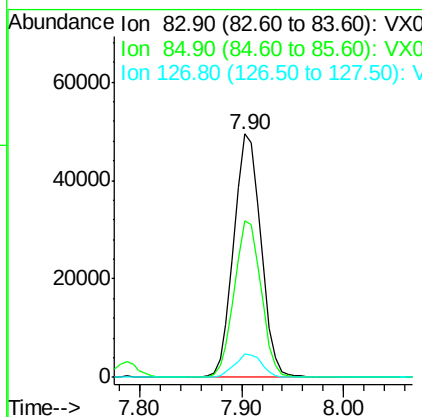
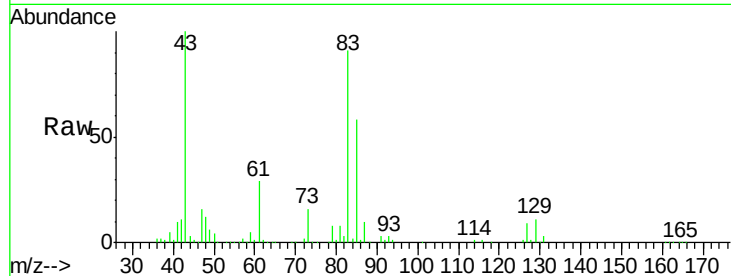
ClientSampleId :

VX0515WBS03

Tot Ion:	83	Resp:	91050
Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.6	74.4
127	9.6	7.5	11.3

Manual Integrations
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MMDadoda
5/16/2018 11:54:15 AM



#48

Methyl methacrylate

Concen: 20.13 ug/l

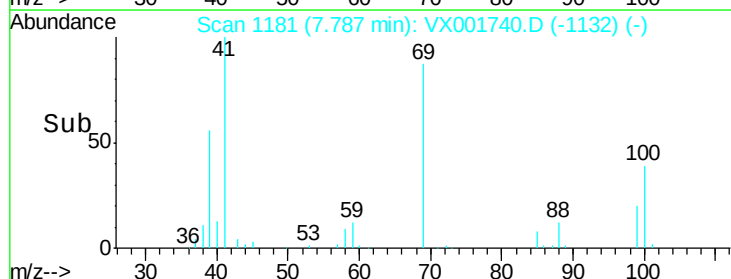
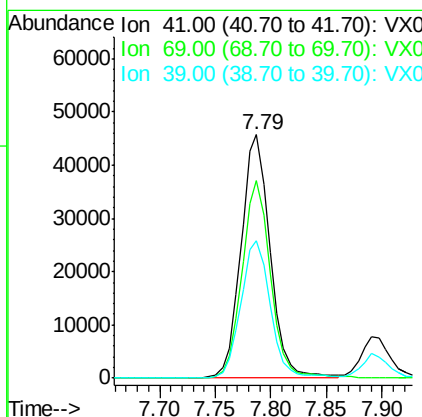
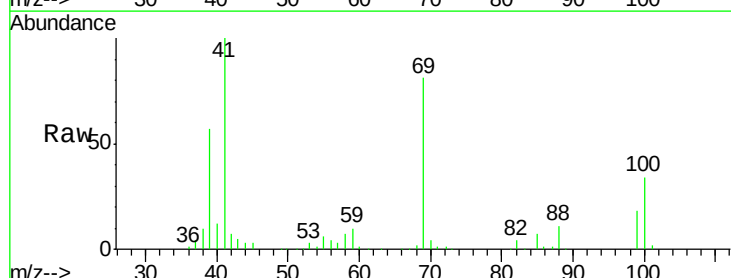
RT: 7.79 min Scan# 1181

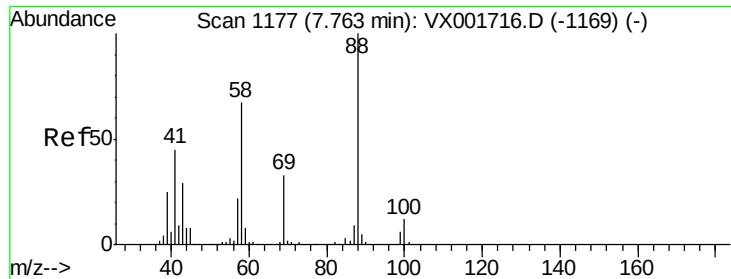
Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Tgt Ion:	41	Resp:	82531
Ion	Ratio	Lower	Upper
41	100		
69	80.2	65.2	97.8
39	57.1	44.5	66.7





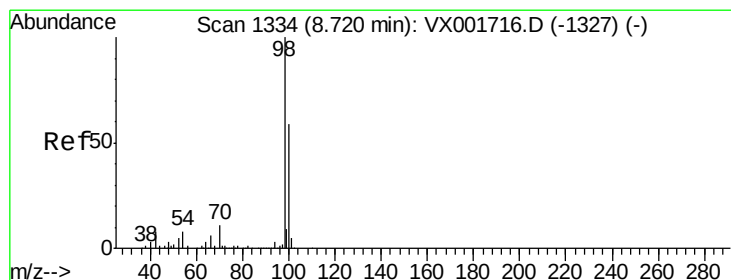
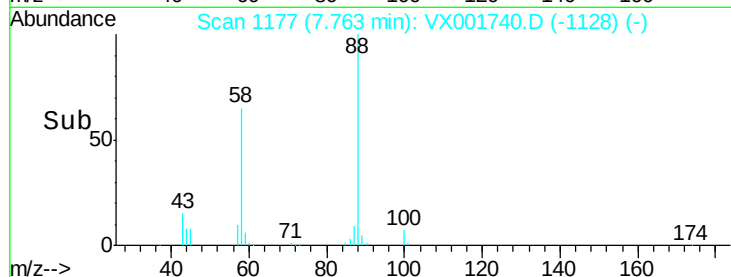
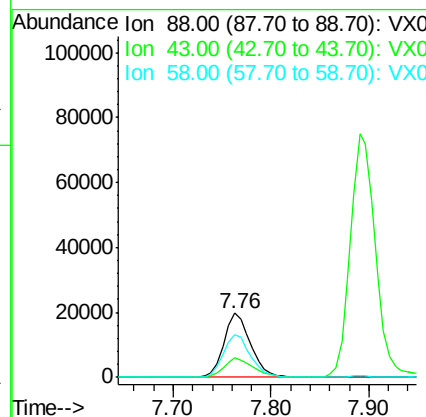
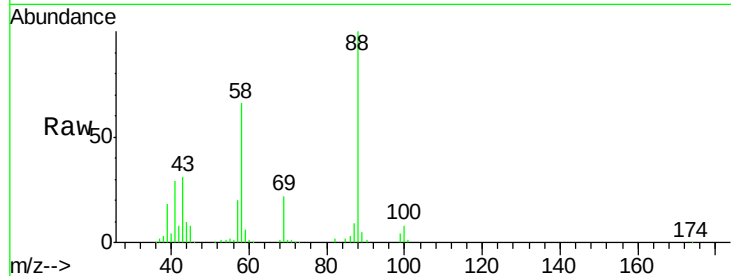
#49
1,4-Dioxane
Concen: 473.41 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	27.3	40.9
58	68.1	55.9	83.9

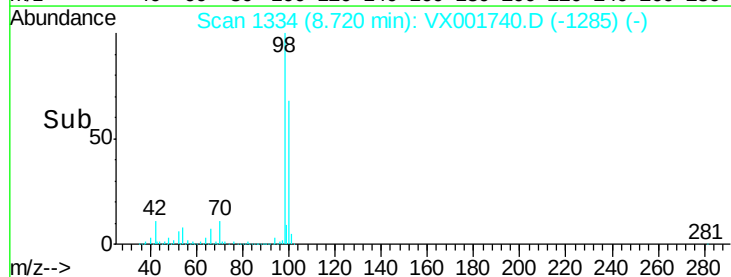
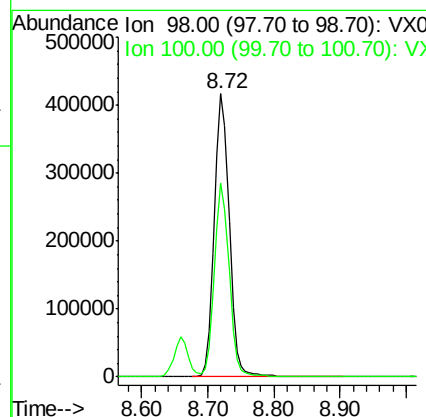
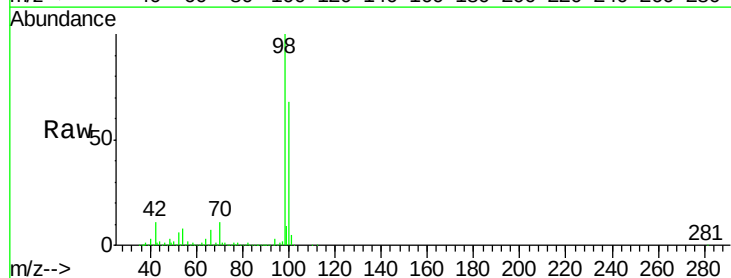
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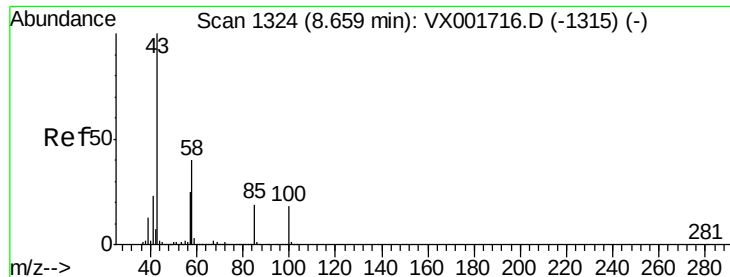
MMDadoda
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#50
Toluene-d8
Concen: 52.71 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	54.0	81.0





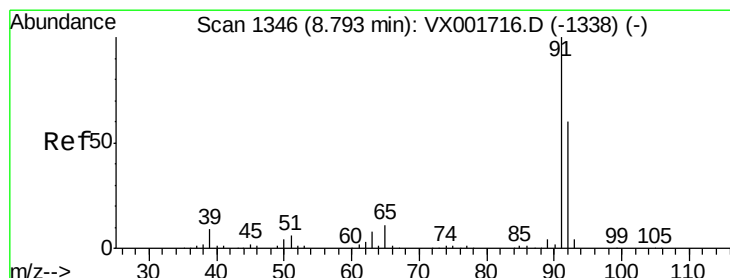
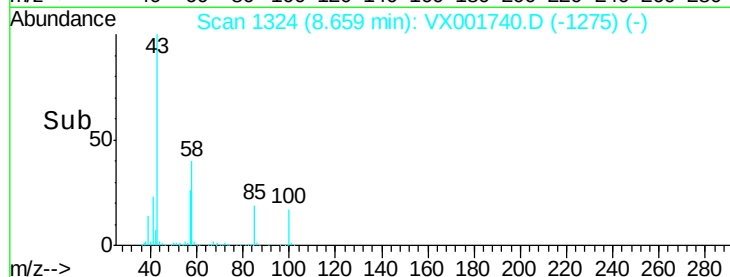
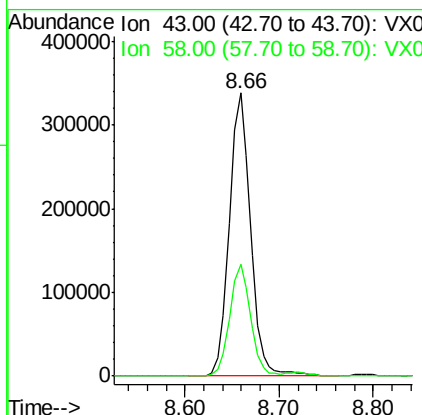
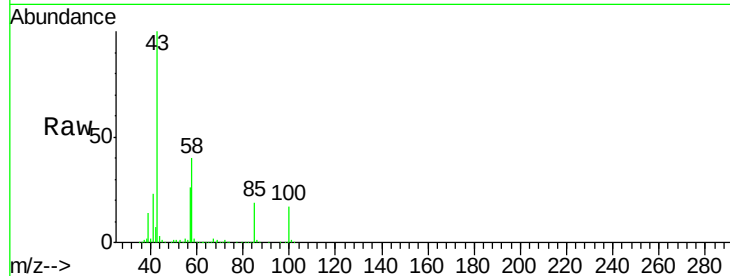
#51
4-Methyl-2-Pentanone
Concen: 107.60 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	31.4	47.0

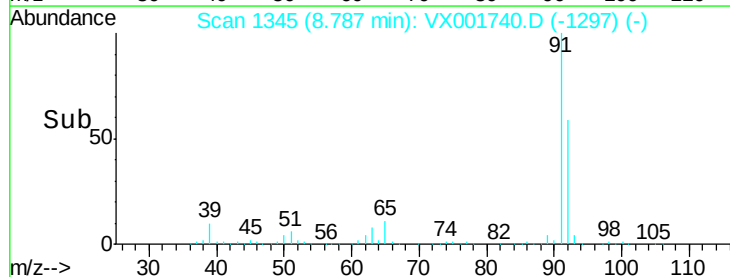
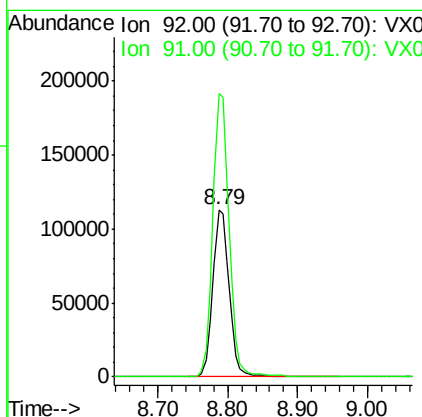
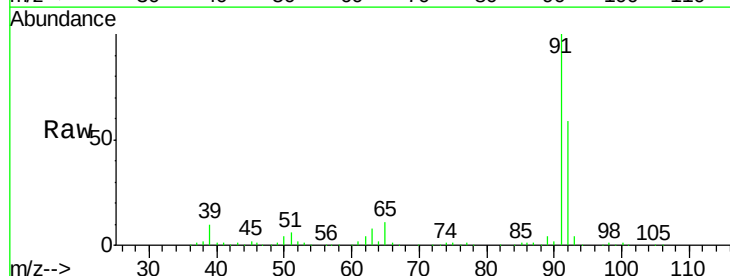
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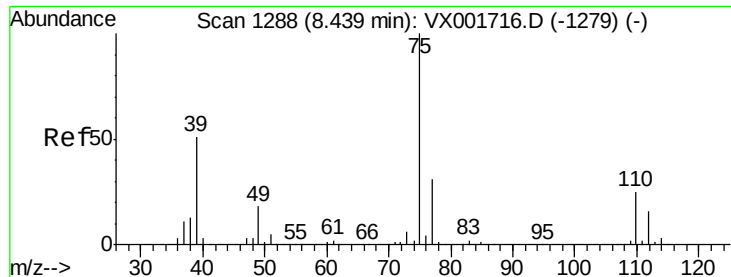
MMDadoda
5/16/2018 11:54:15 AM



#52
Toluene
Concen: 20.33 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.6	135.5	203.3





#53

t-1,3-Dichloropropene

Concen: 19.95 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS03

Tot Ion: 75 Resp: 105612

Ion Ratio Lower Upper

75 100

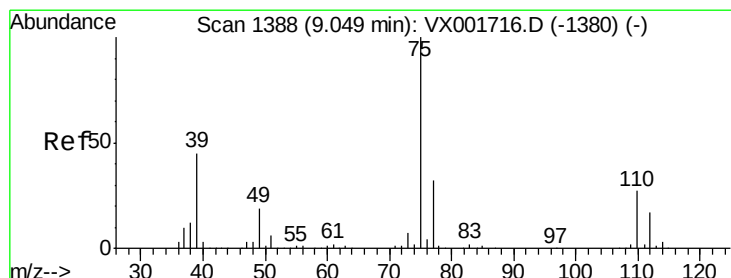
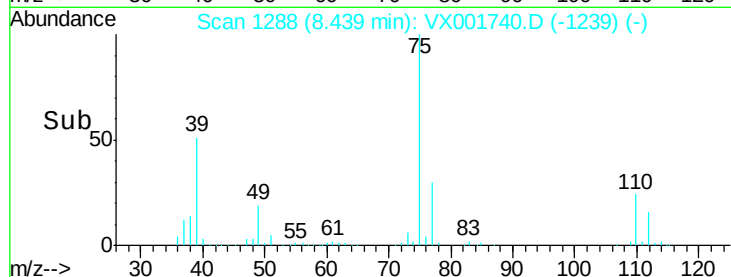
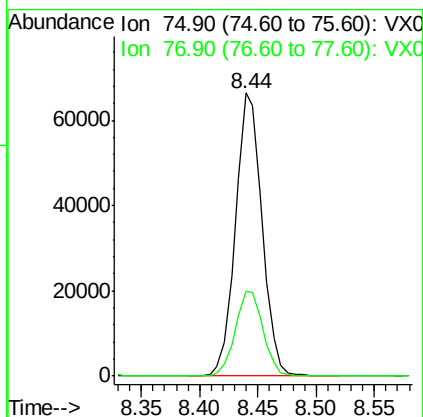
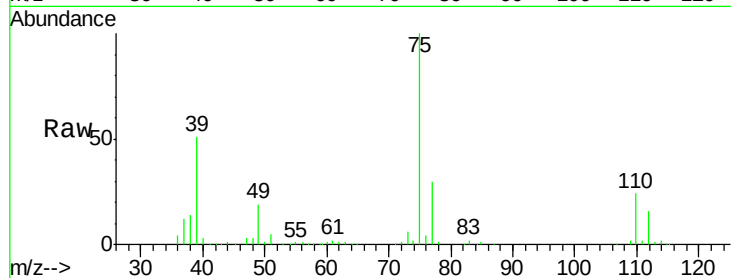
77 30.1 25.0 37.6

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#54

cis-1,3-Dichloropropene

Concen: 18.71 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

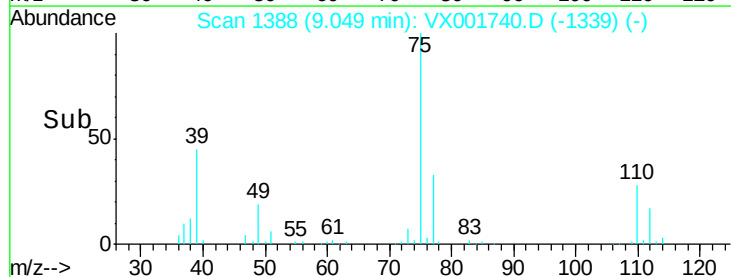
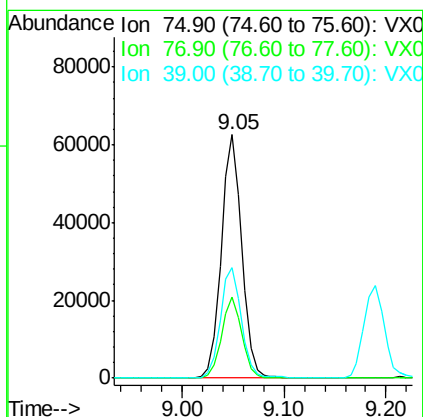
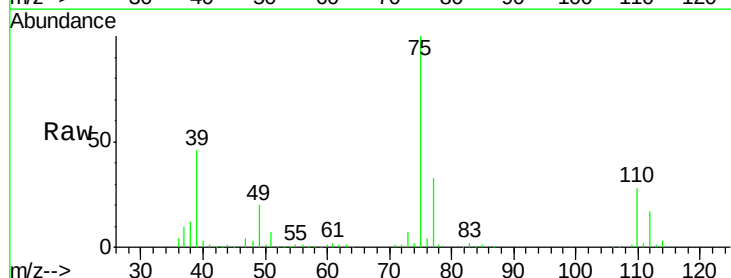
Tgt Ion: 75 Resp: 87285

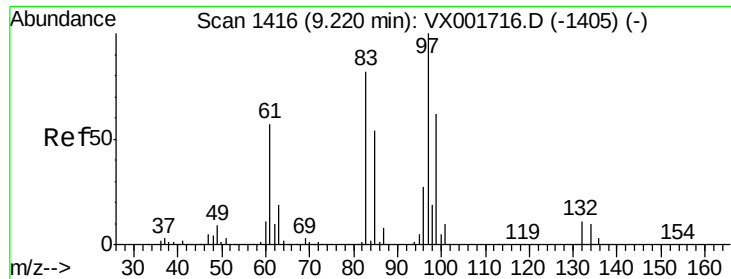
Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.2

39 45.4 36.1 54.1





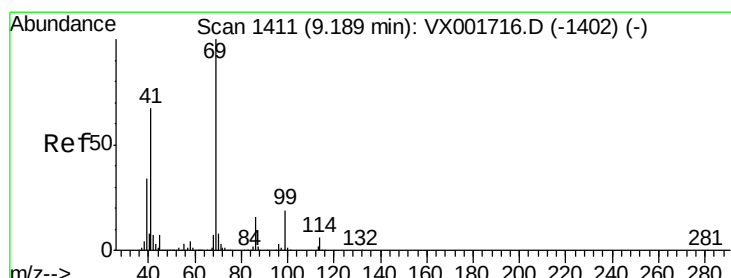
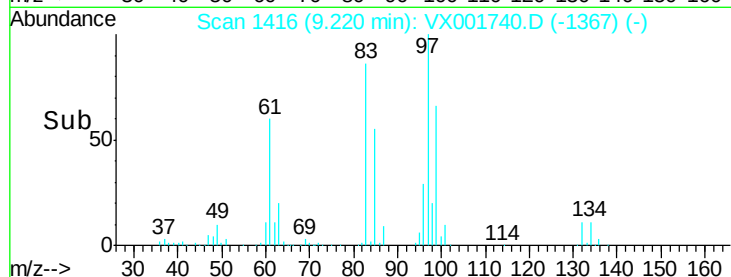
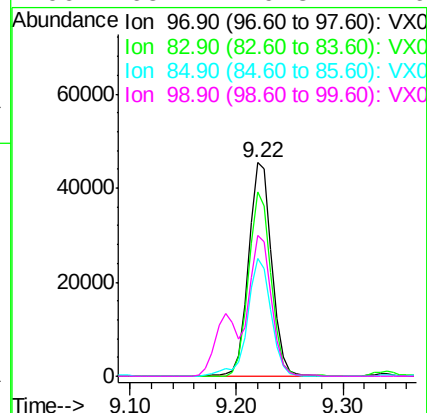
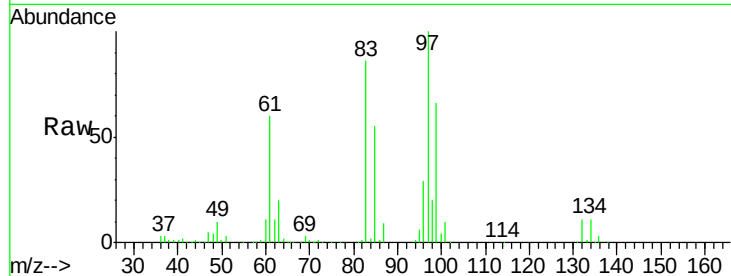
#55
 1,1,2-Trichloroethane
 Concen: 20.11 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS03

Tot Ion:	97	Resp:	69496
Ion	Ratio	Lower	Upper
97	100		
83	86.1	65.8	98.8
85	55.3	43.4	65.0
99	65.7	49.8	74.6

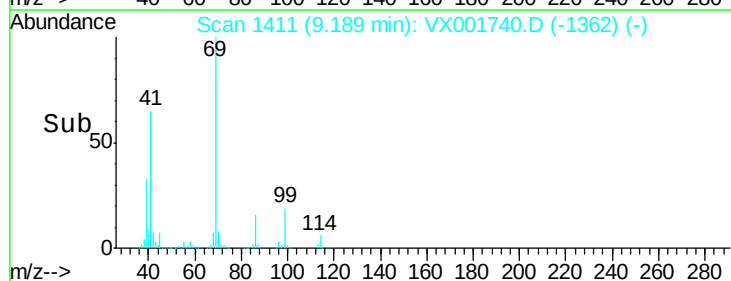
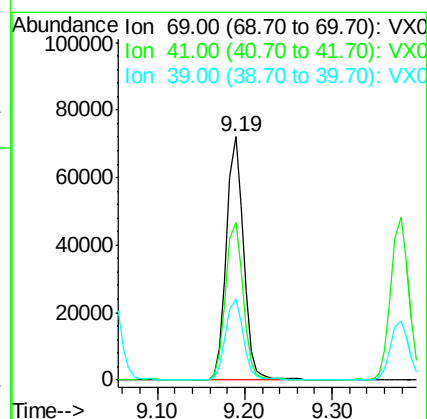
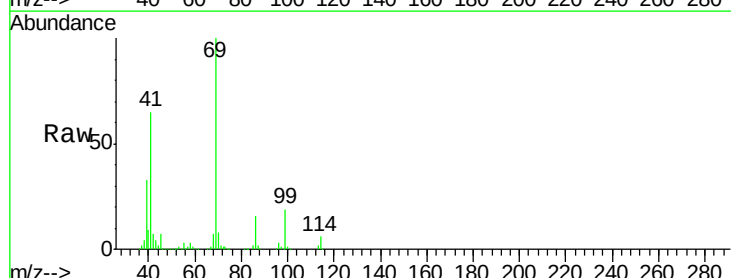
Manual Integrations
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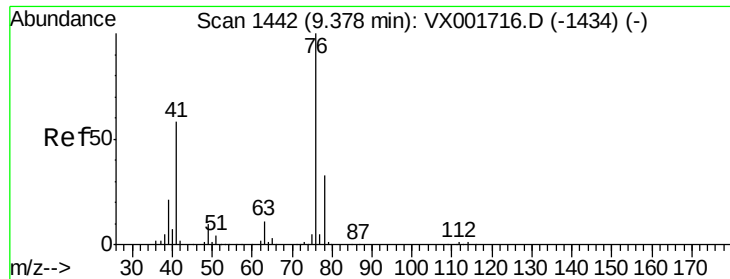
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#56
 Ethyl methacrylate
 Concen: 20.04 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Tgt Ion:	69	Resp:	98232
Ion	Ratio	Lower	Upper
69	100		
41	66.5	53.5	80.3
39	34.4	27.2	40.8





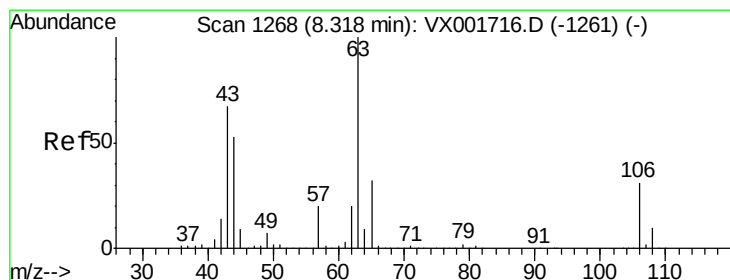
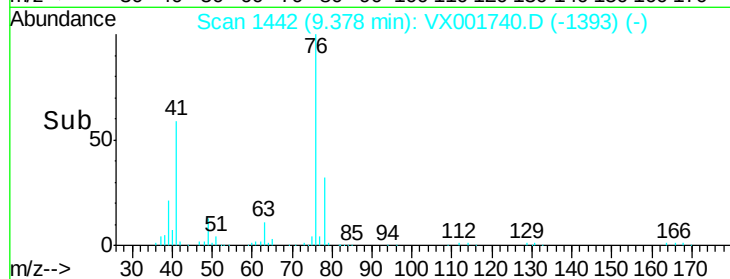
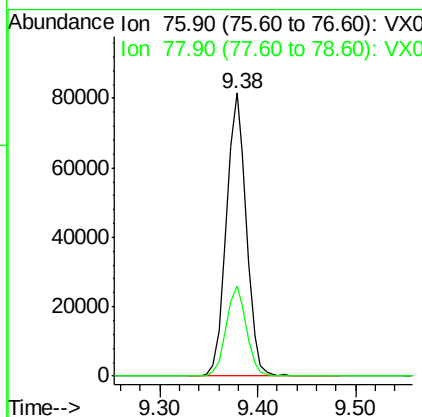
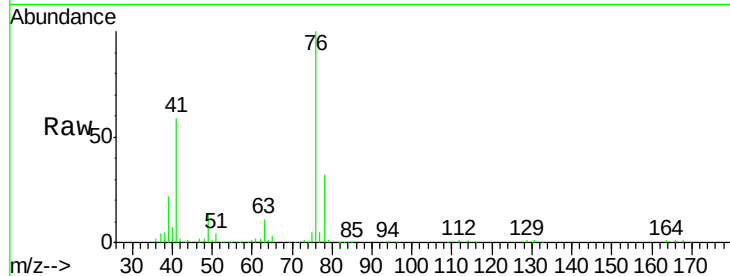
#57
 1,3-Dichloropropane
 Concen: 19.91 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

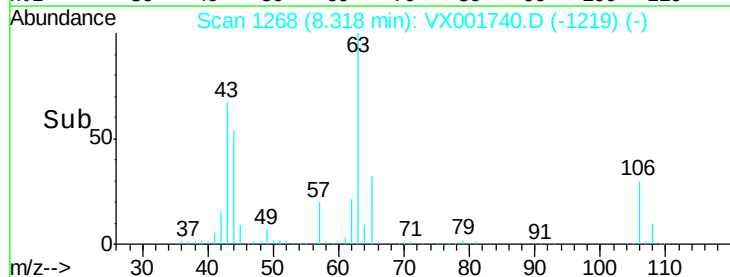
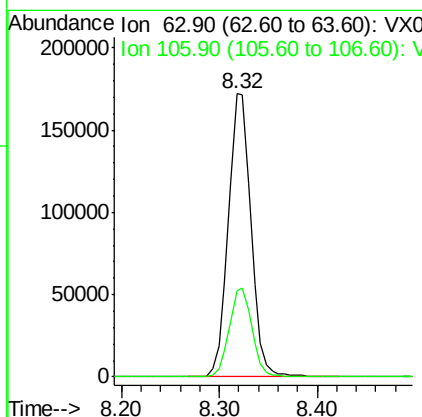
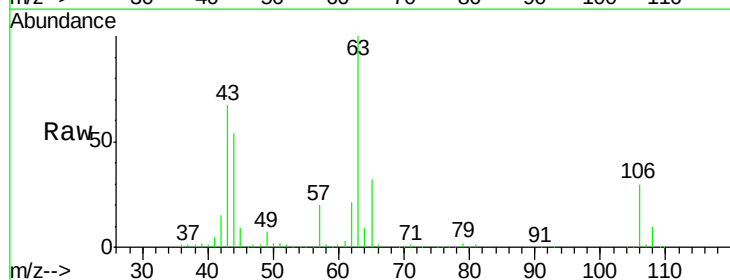
Manual Integrations
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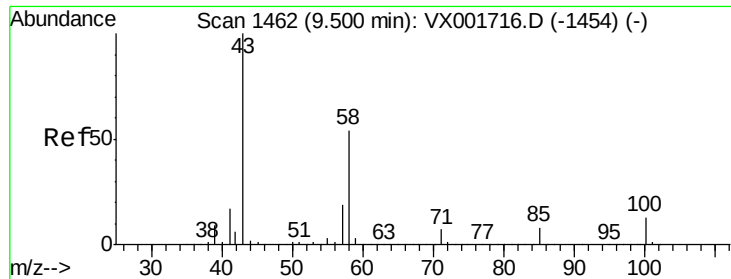
MMDadoda
 5/16/2018 11:54:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.41 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.6	25.1	37.7





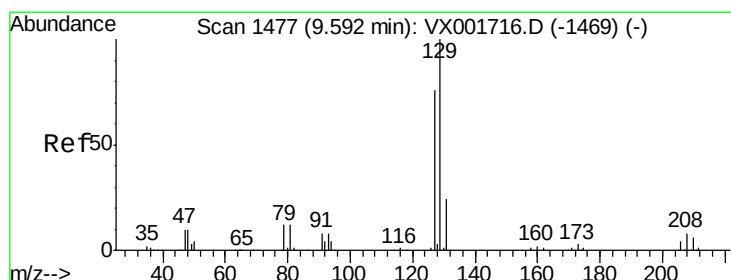
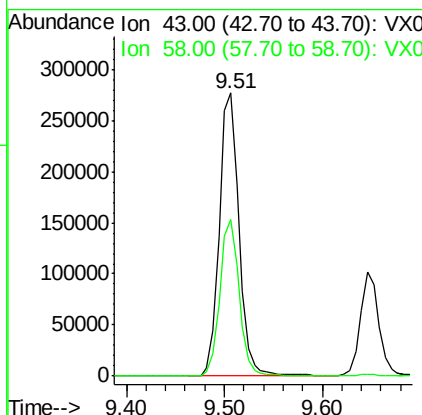
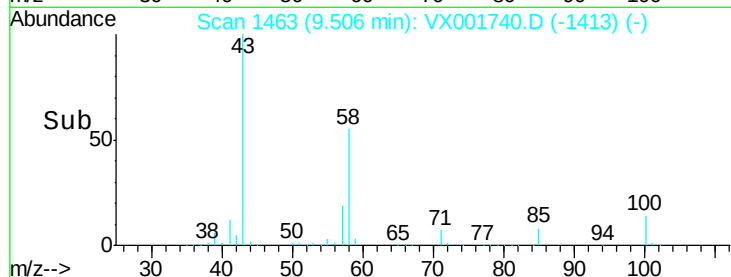
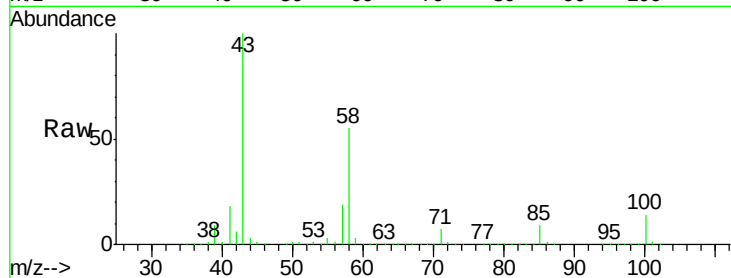
#59
 2-Hexanone
 Concen: 109.51 ug/l
 RT: 9.51 min Scan# 1463
 Delta R.T. 0.01 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS03

Tot Ion: 43 Resp: 386975
 Ion Ratio Lower Upper
 43 100
 58 54.8 27.7 83.1

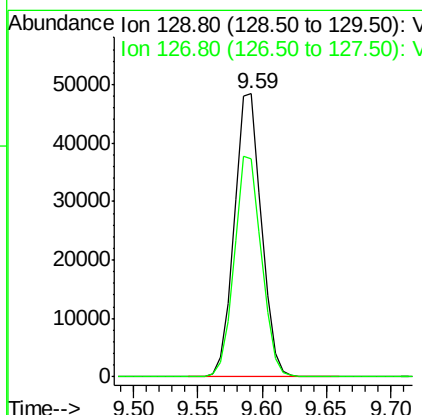
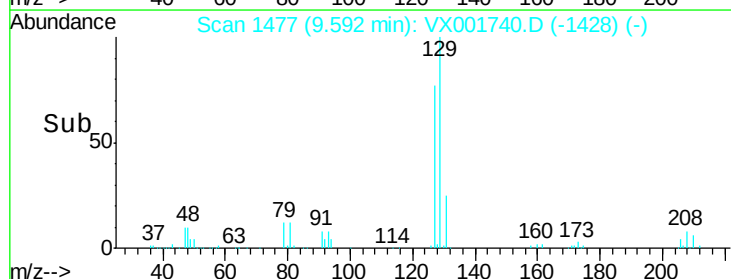
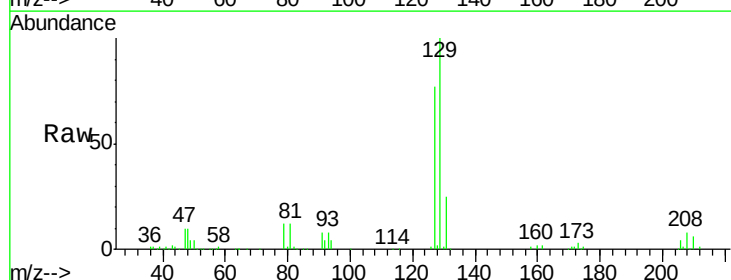
Manual Integrations
 APPROVED

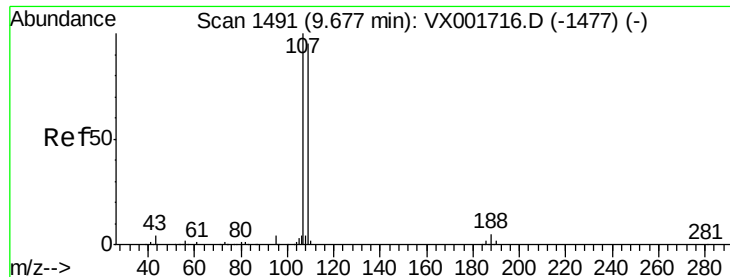
MMDadoda
 5/16/2018 11:54:15 AM



#60
 Dibromochloromethane
 Concen: 20.12 ug/l
 RT: 9.59 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Tgt Ion:129 Resp: 71189
 Ion Ratio Lower Upper
 129 100
 127 77.9 38.7 116.1





#61

1,2-Dibromoethane

Concen: 20.36 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS03

Tot Ion:107 Resp: 73646

Ion Ratio Lower Upper

107 100

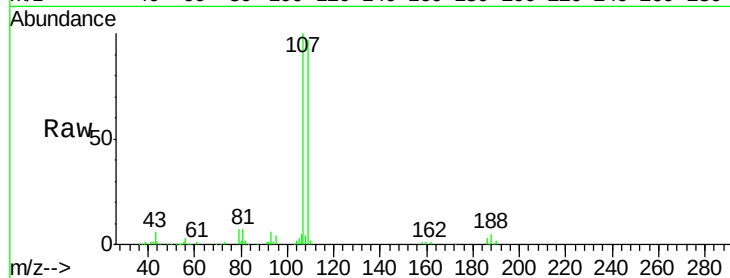
109 95.6 76.2 114.2

Manual Integrations

APPROVED

MMDadoda

5/16/2018 11:54:15 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

60000

50000

40000

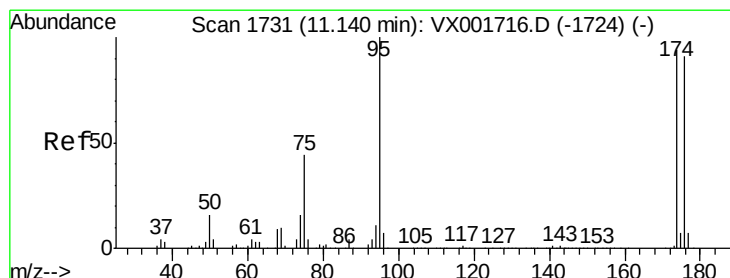
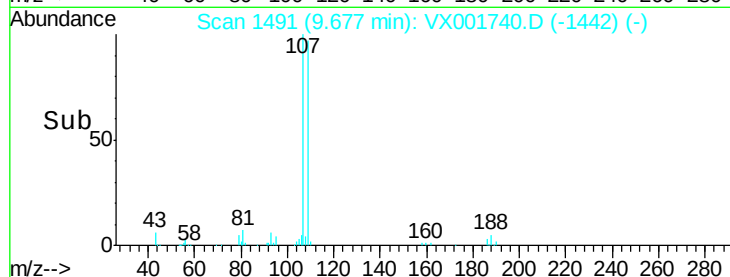
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.01 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

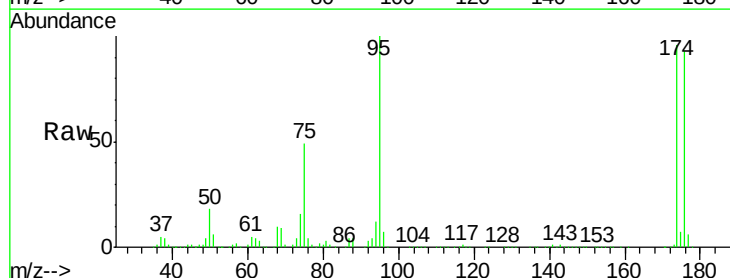
Tgt Ion: 95 Resp: 221236

Ion Ratio Lower Upper

95 100

174 102.7 0.0 201.8

176 100.1 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

200000

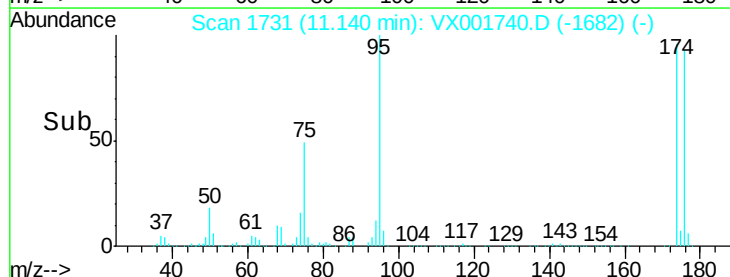
150000

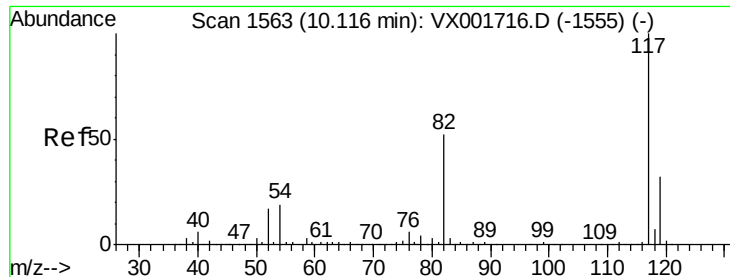
100000

50000

0

Time-->





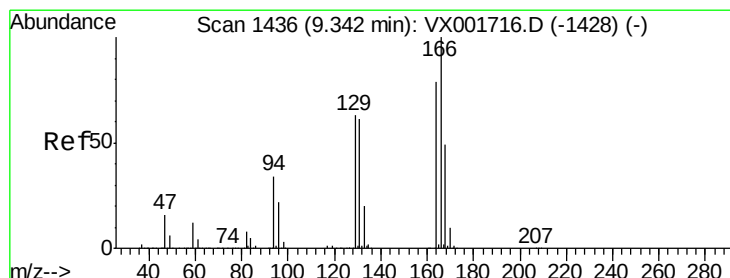
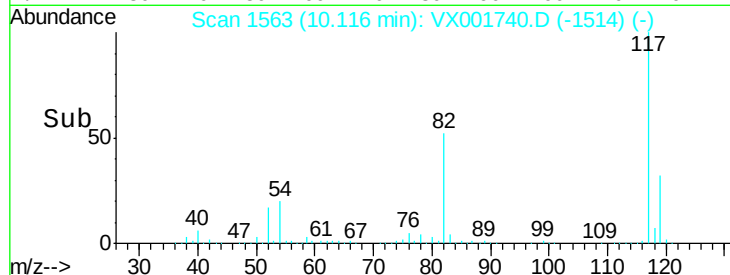
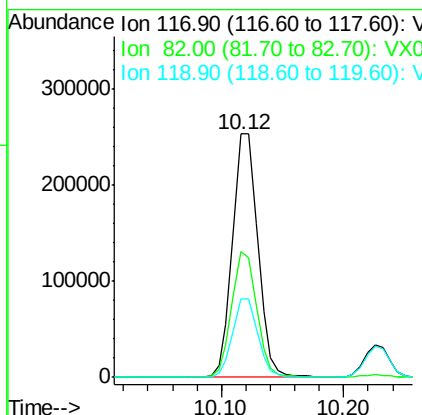
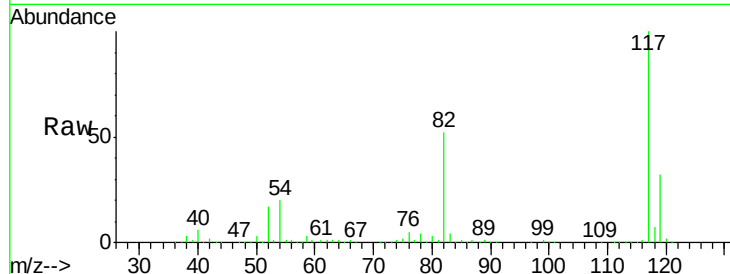
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS03

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.4	62.2
119	32.1	25.6	38.4

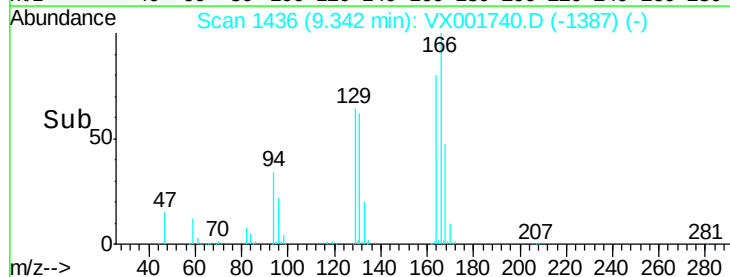
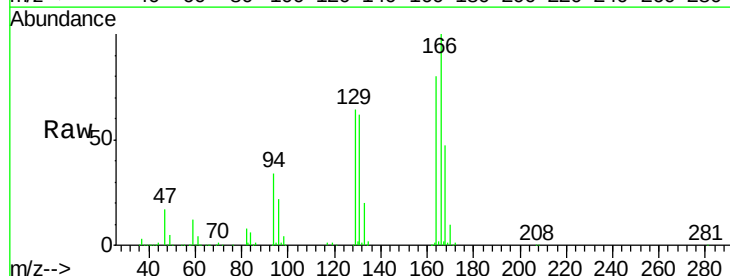
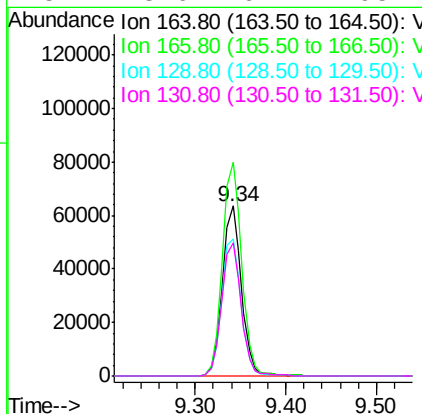
Manual Integrations
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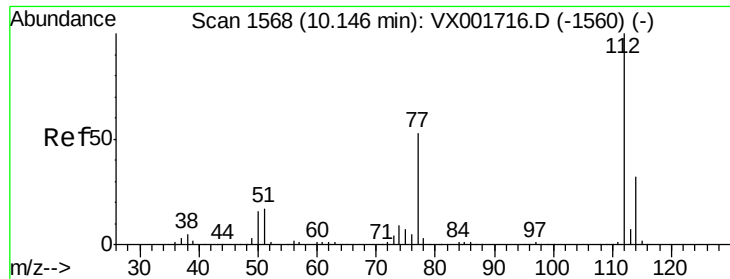
MMDadoda
5/16/2018 11:54:15 AM



#64
Tetrachloroethene
Concen: 19.60 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	101.8	152.8
129	80.7	63.8	95.6
131	78.6	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: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS03

Tot Ion:112 Resp: 198144

Ion Ratio Lower Upper

112 100

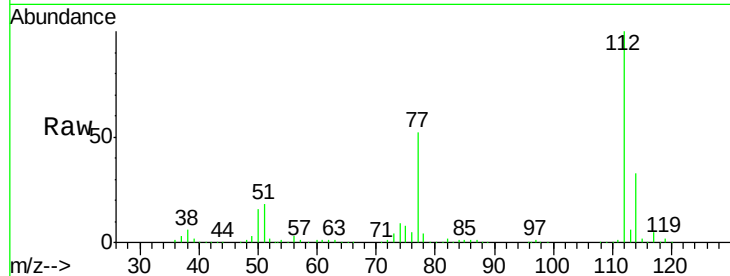
114 32.8 25.6 38.4

Manual Integrations

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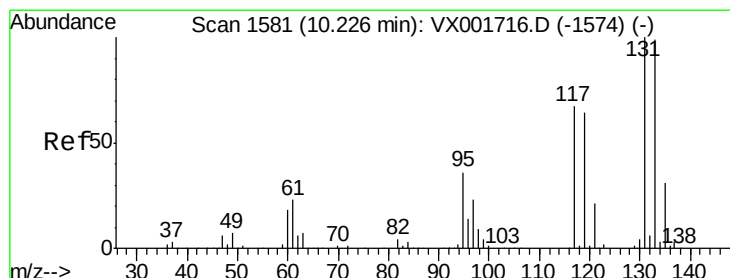
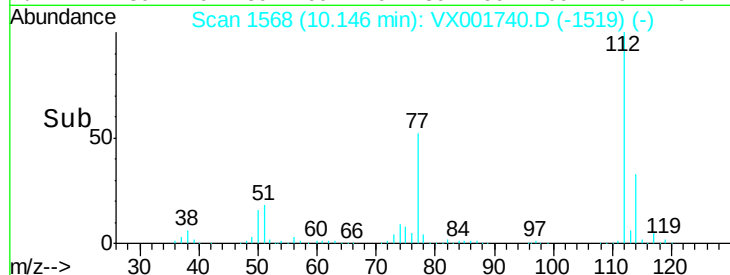
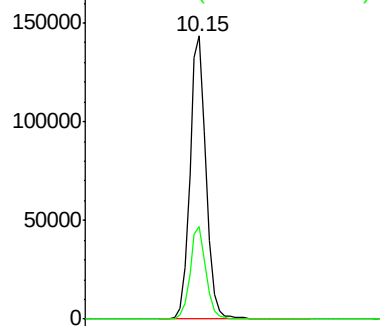
MMDadoda

5/16/2018 11:54:15 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.52 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

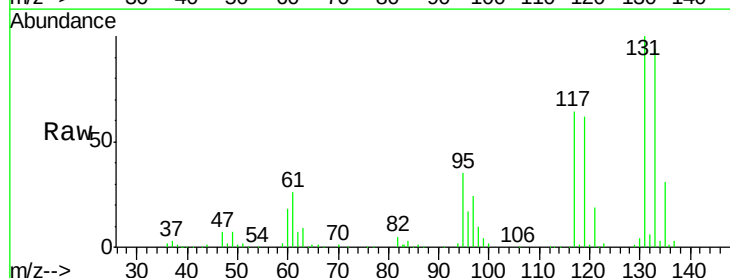
Tgt Ion:131 Resp: 72685

Ion Ratio Lower Upper

131 100

133 95.3 48.5 145.6

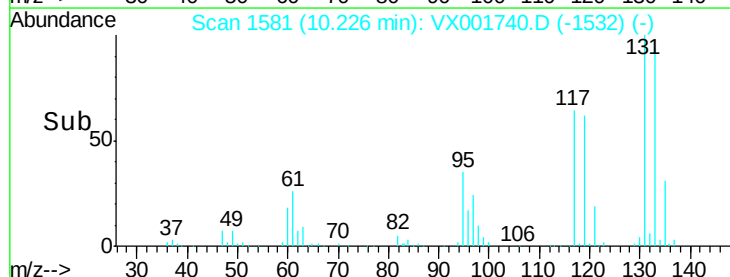
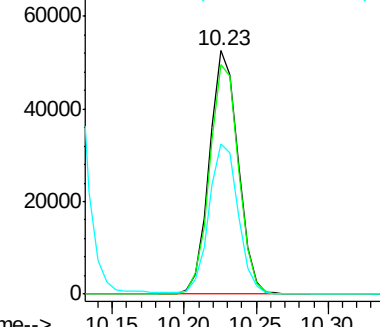
119 63.1 31.9 95.5

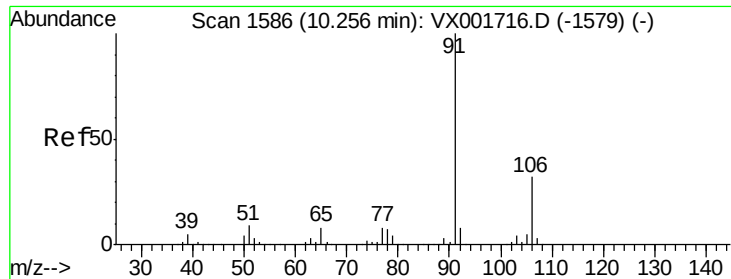


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





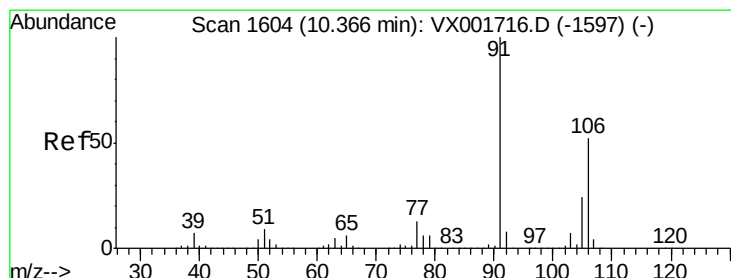
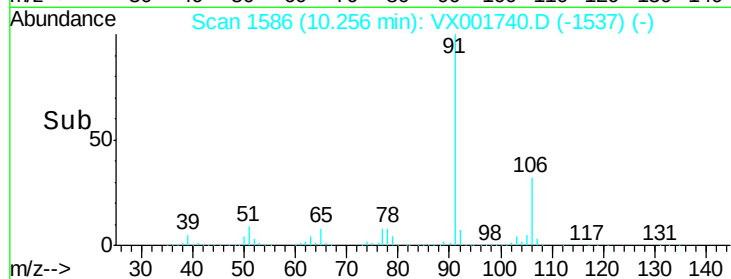
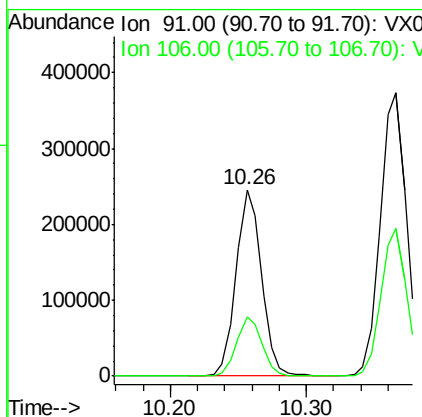
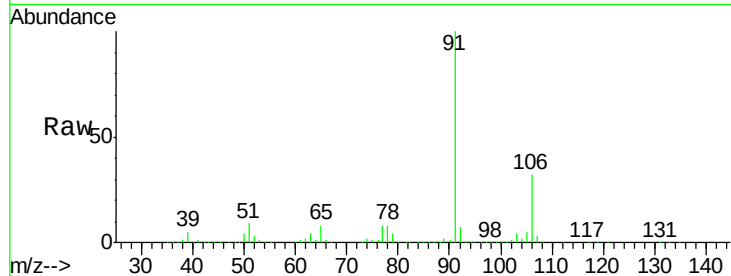
#67
Ethyl Benzene
Concen: 20.09 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS03

Tot Ion: 91 Resp: 321911
Ion Ratio Lower Upper
91 100
106 31.8 25.7 38.5

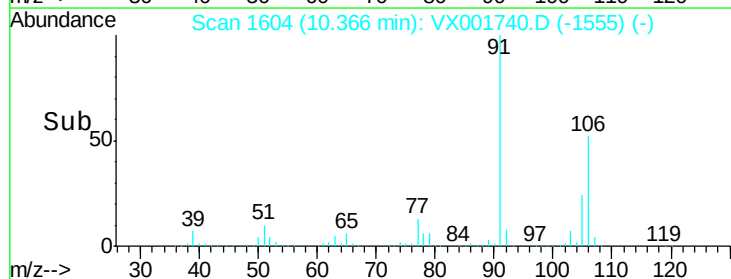
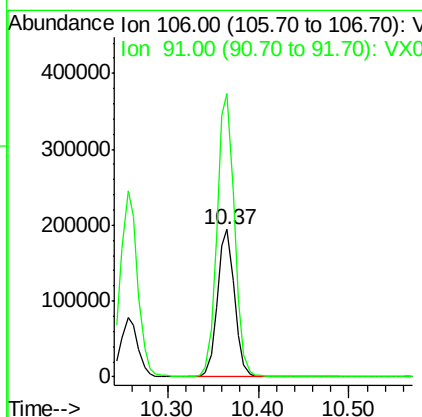
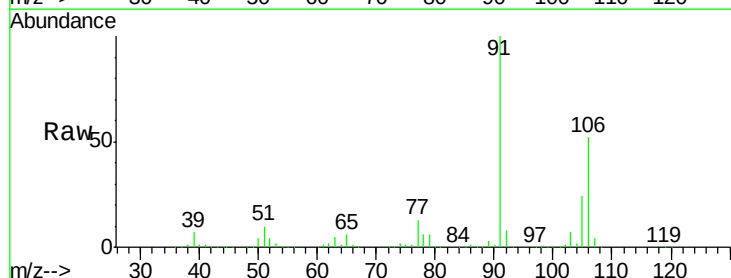
Manual Integrations
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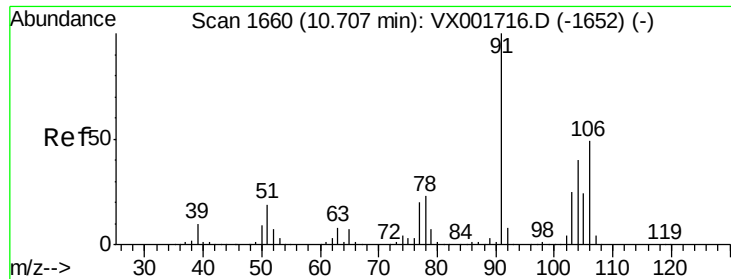
MMDadoda
5/16/2018 11:54:15 AM



#68
m/p-Xylenes
Concen: 40.70 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Tgt Ion: 106 Resp: 257395
Ion Ratio Lower Upper
106 100
91 195.5 155.4 233.2





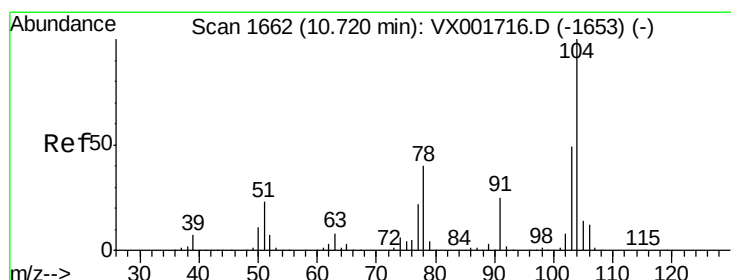
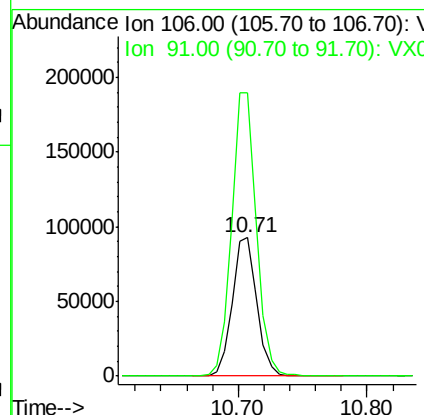
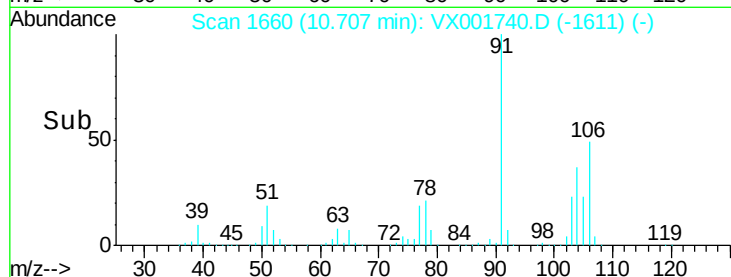
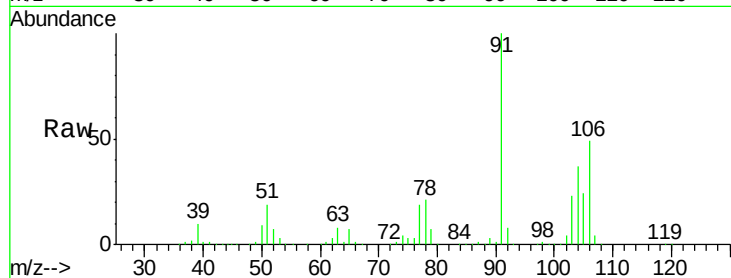
#69
o-Xylene
Concen: 20.53 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		124312		
91	206.0	103.4	310.2		

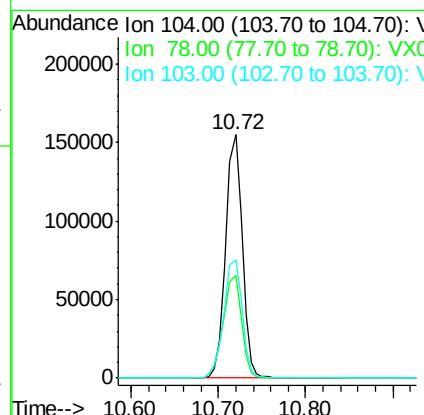
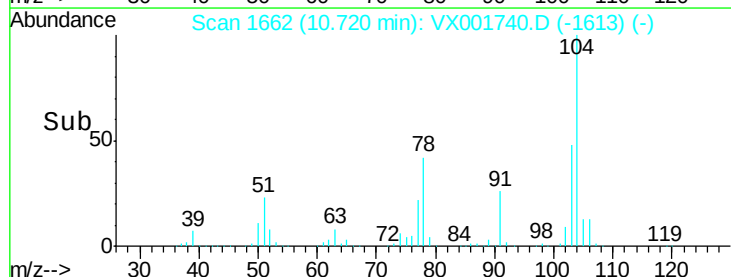
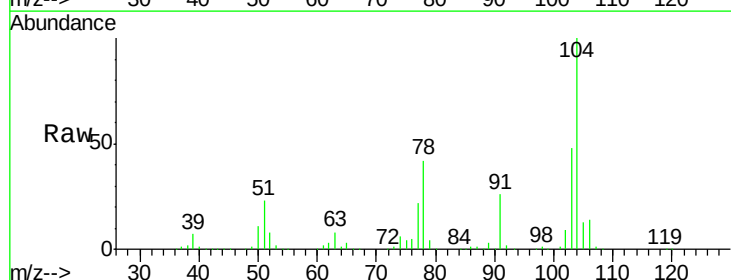
Manual Integrations
APPROVED

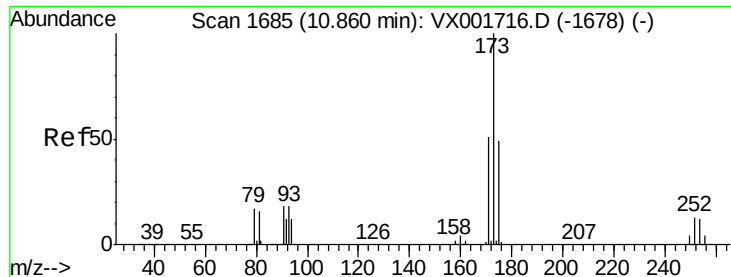
MMDadoda
5/16/2018 11:54:15 AM



#70
Styrene
Concen: 20.37 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001740.D
Acq: 15 May 2018 12:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		203469		
78	46.9	37.3	55.9		
103	54.2	43.7	65.5		





#71

Bromoform

Concen: 18.99 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS03

Tot Ion:173 Resp: 56245

Ion Ratio Lower Upper

173 100

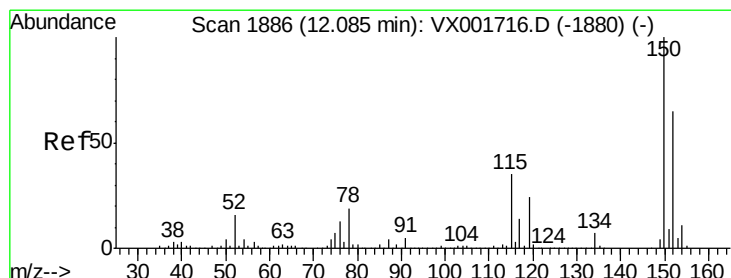
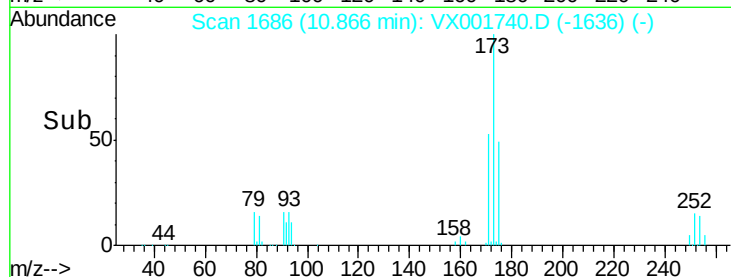
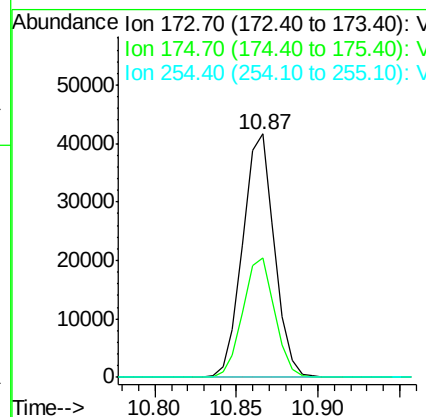
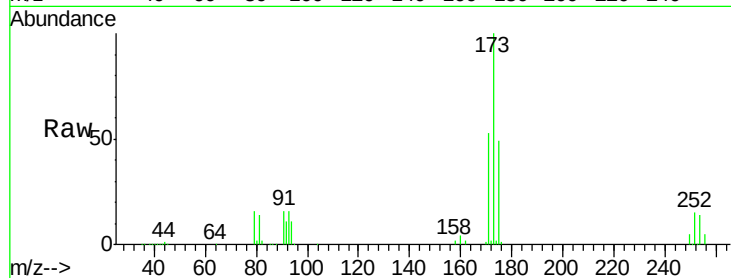
175 49.6 24.3 72.8

254 0.1 0.2 0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

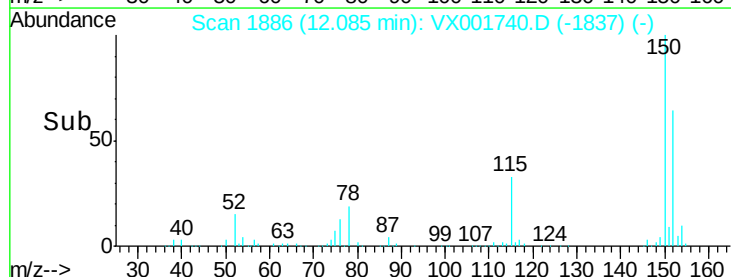
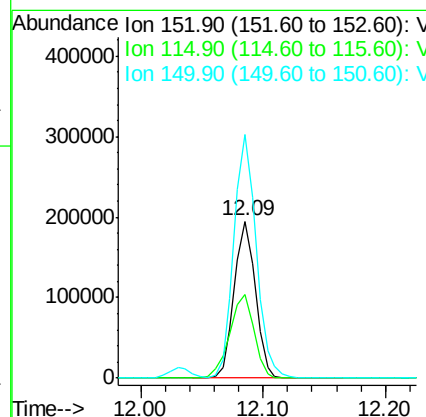
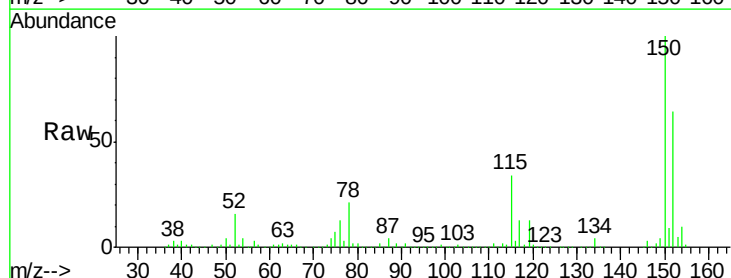
Tgt Ion:152 Resp: 232030

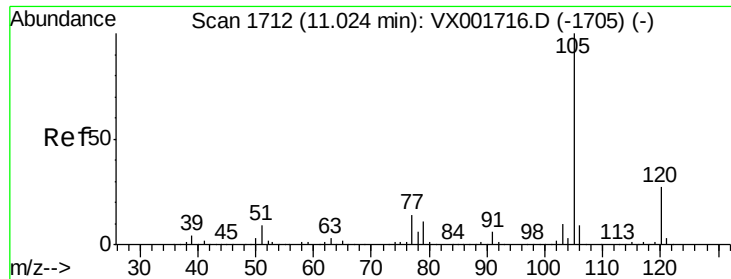
Ion Ratio Lower Upper

152 100

115 61.4 37.4 112.2

150 164.4 0.0 344.8





#73

Isopropylbenzene

Concen: 21.86 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS03

Tot Ion: 105 Resp: 334069

Ion Ratio Lower Upper

105 100

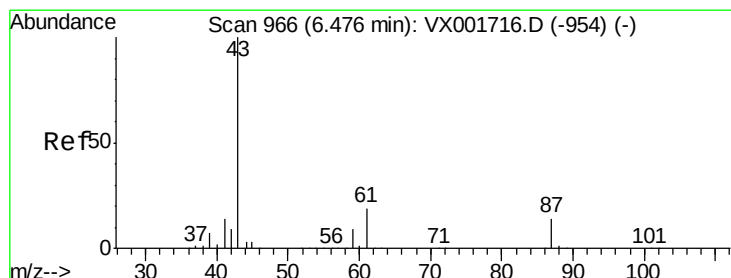
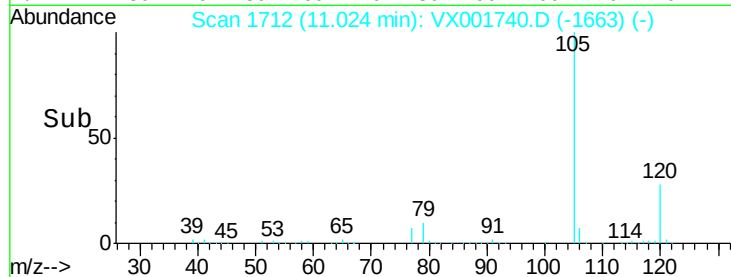
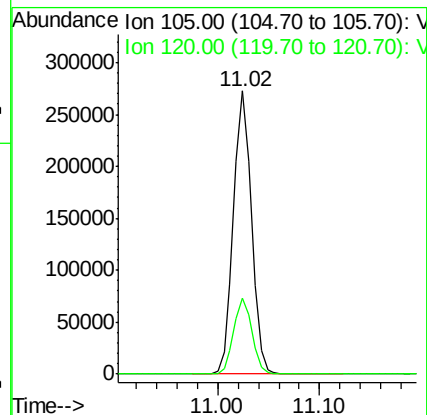
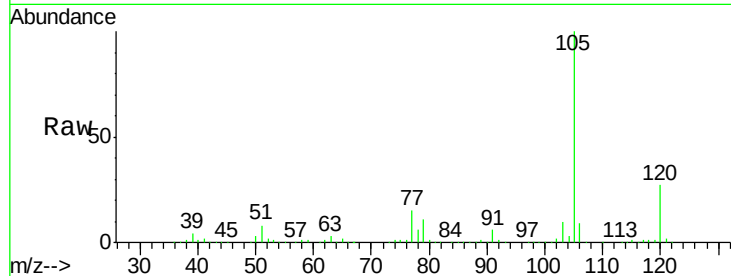
120 27.0 13.8 41.3

Manual Integrations

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5/16/2018 11:54:15 AM



#74

N-ethyl acetate

Concen: 21.29 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Tgt Ion: 43 Resp: 155978

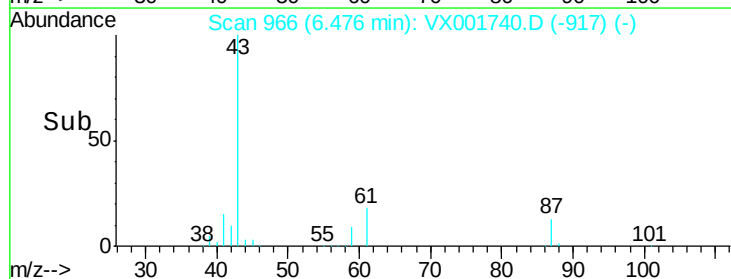
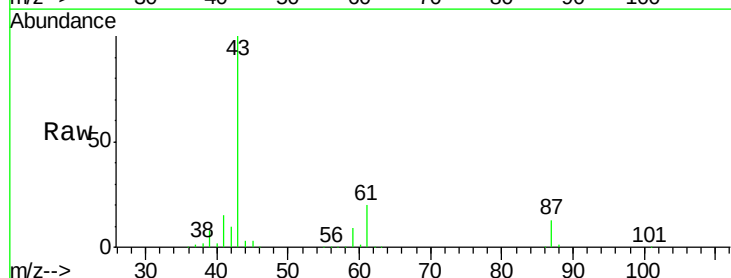
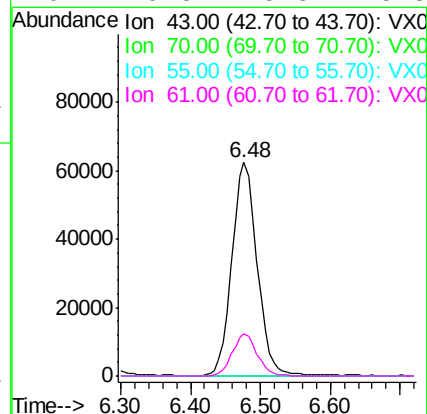
Ion Ratio Lower Upper

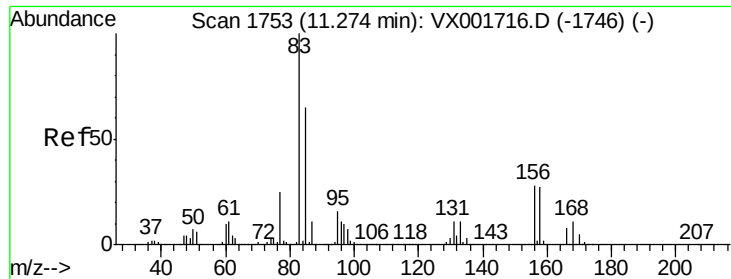
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 19.8 15.8 23.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.64 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

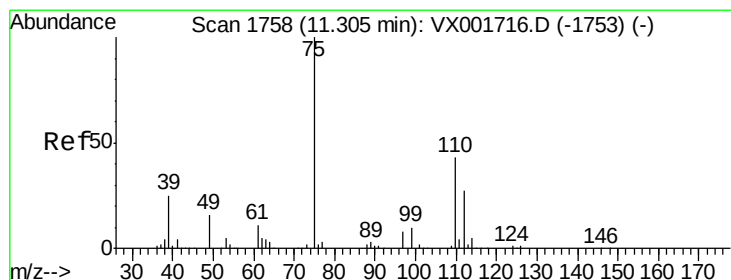
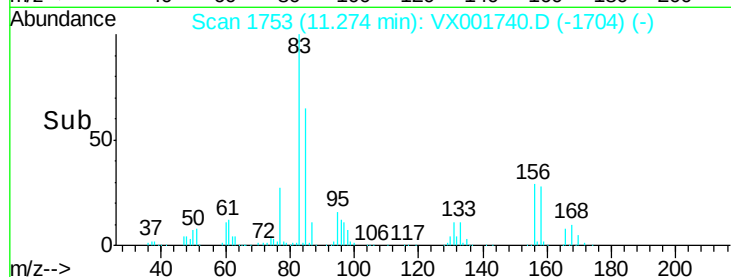
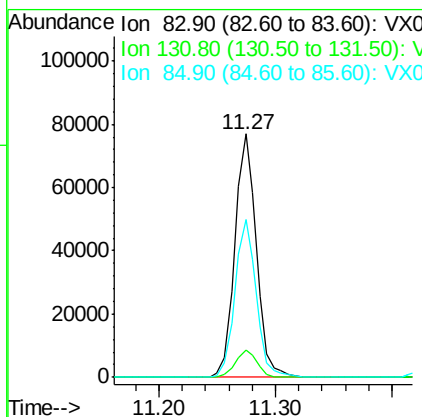
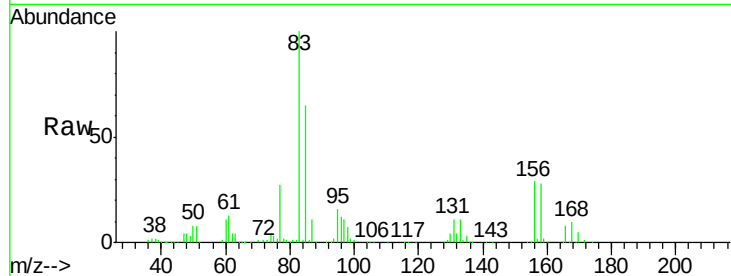
ClientSampleId :

VX0515WBS03

Tot Ion:	83	Resp:	99198
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.7	17.0
85	64.4	32.7	98.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.68 ug/l m

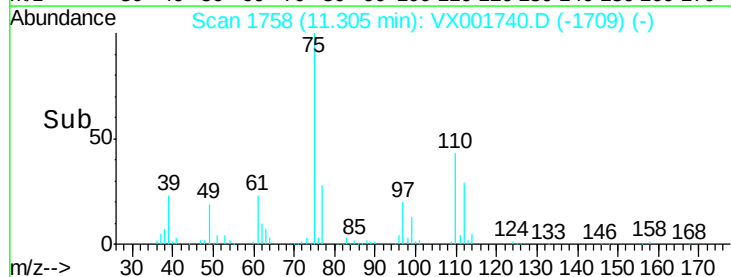
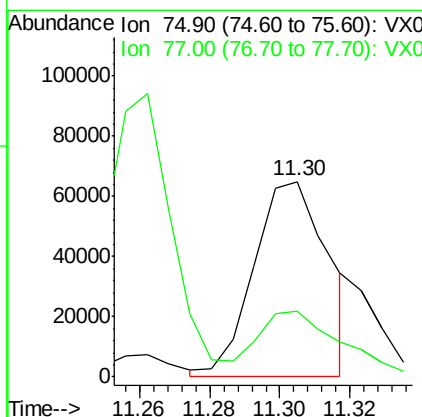
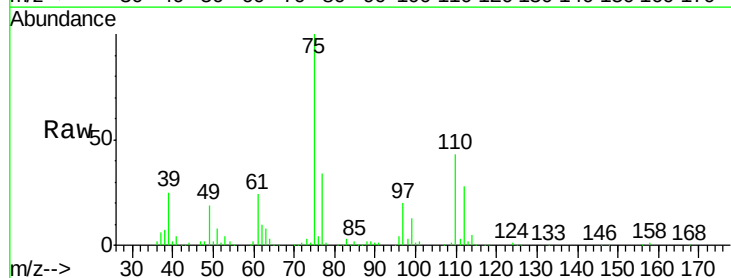
RT: 11.30 min Scan# 1758

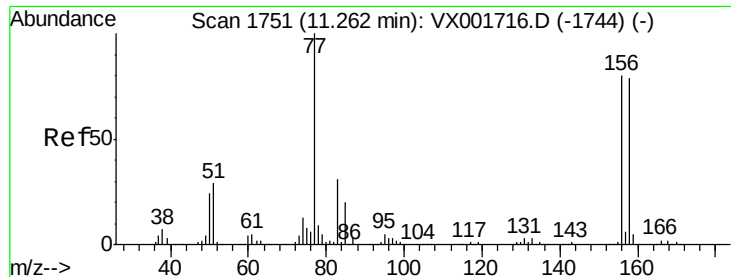
Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Tgt Ion:	75	Resp:	95671
Ion Ratio	Lower	Upper	
75	100		
77	37.6	18.9	56.7





#77

Bromobenzene

Concen: 20.98 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

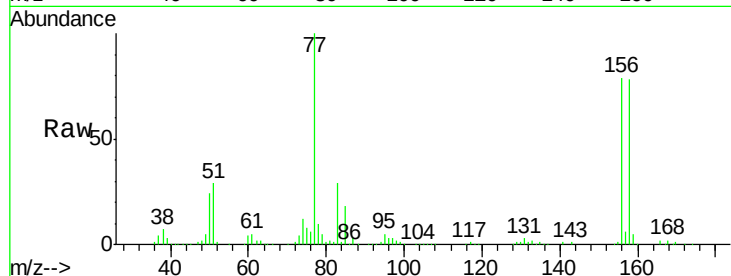
ClientSampleId :

VX0515WBS03

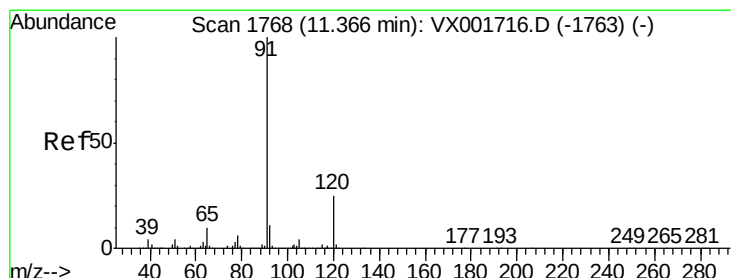
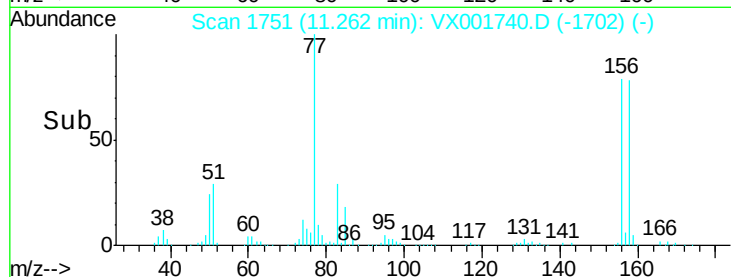
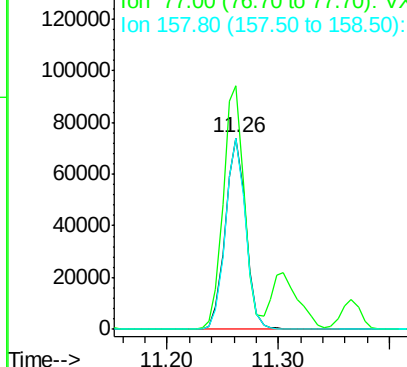
Tot Ion:	156	Resp:	94206
Ion	Ratio	Lower	Upper
156	100		
77	131.3	65.3	196.0
158	98.3	49.1	147.3

Manual Integrations
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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: 21.11 ug/l

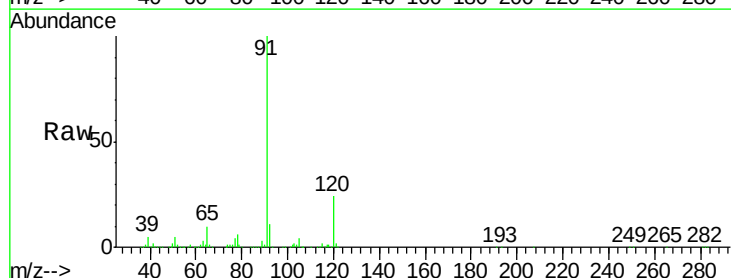
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

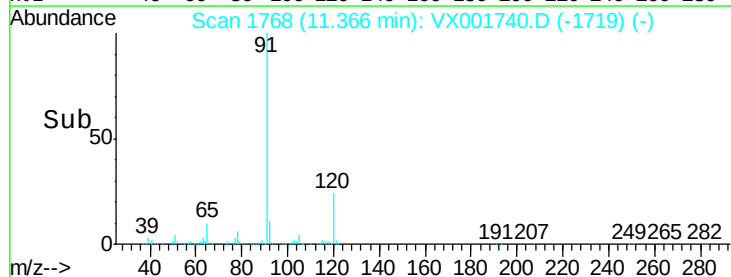
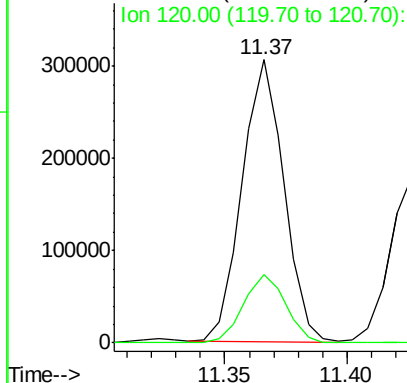
Lab File: VX001740.D

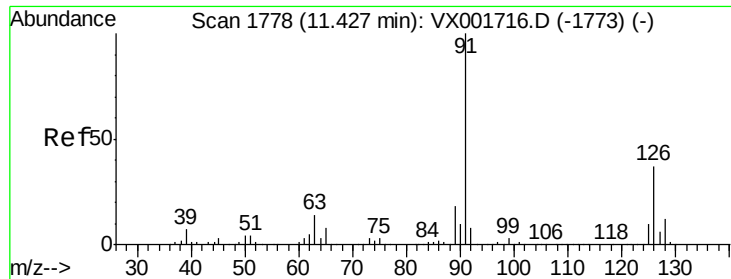
Acq: 15 May 2018 12:54

Tgt Ion:	91	Resp:	363502
Ion	Ratio	Lower	Upper
91	100		
120	24.9	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: 21.31 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS03

Tot Ion: 91 Resp: 219360

Ion Ratio Lower Upper

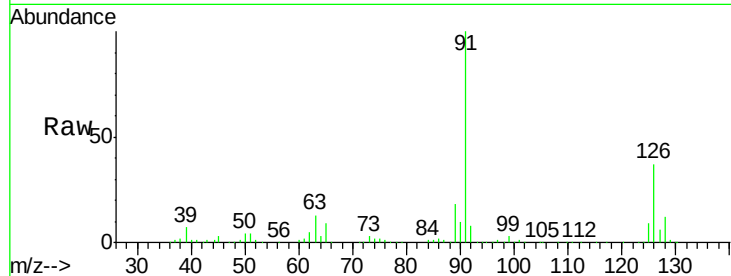
91 100

126 37.5 18.4 55.4

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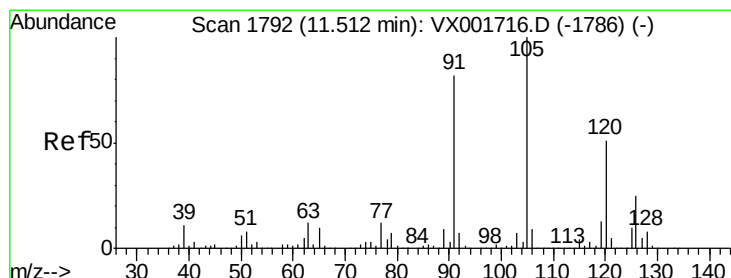
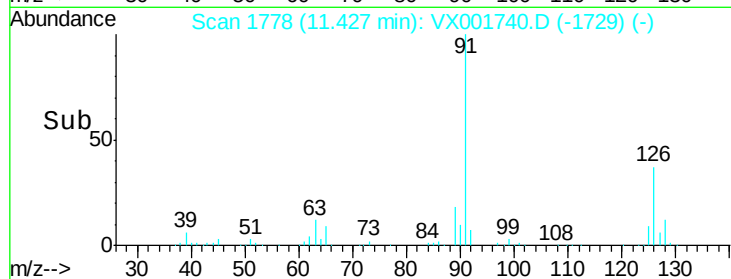
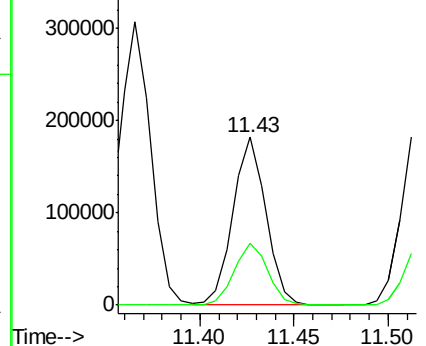
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Abundance Ion 91.00 (90.70 to 91.70): VX001716.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001716.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.03 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001740.D

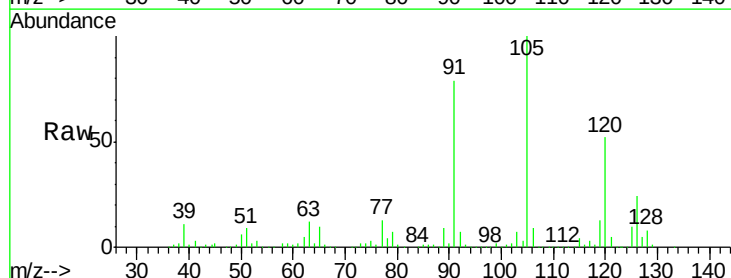
Acq: 15 May 2018 12:54

Tgt Ion: 105 Resp: 276129

Ion Ratio Lower Upper

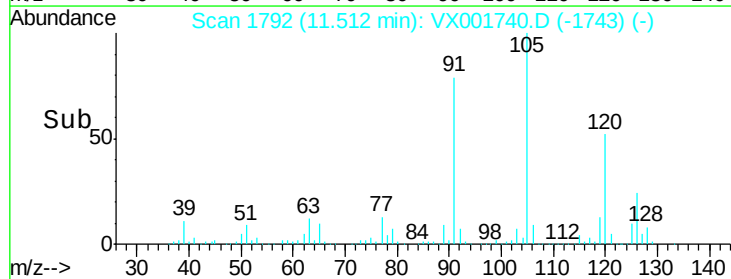
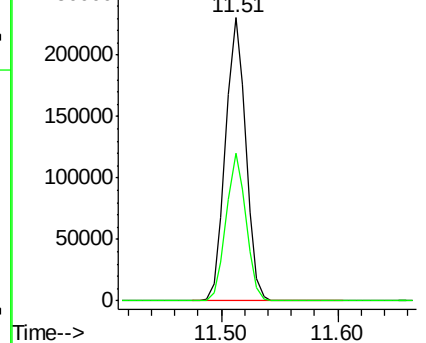
105 100

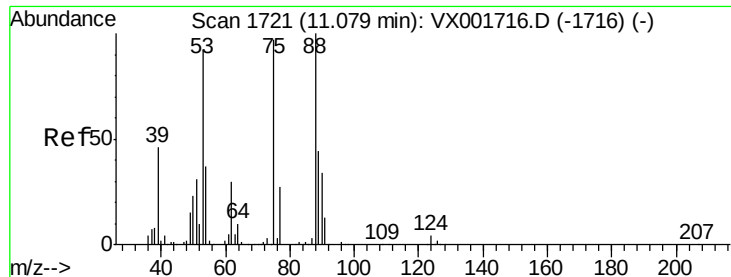
120 51.3 25.7 77.0



Abundance Ion 105.00 (104.70 to 105.70): VX001716.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001716.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.20 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS03

Tot Ion: 75 Resp: 25205

Ion Ratio Lower Upper

75 100

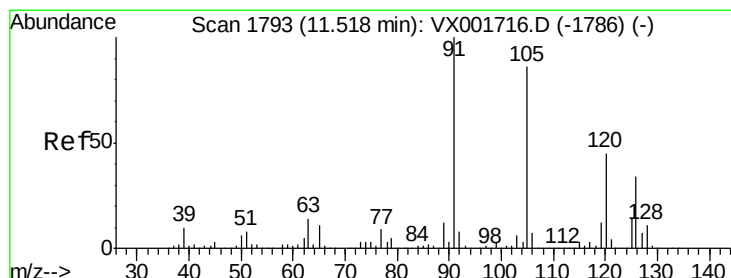
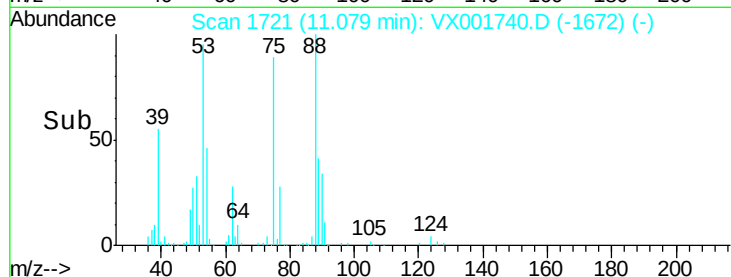
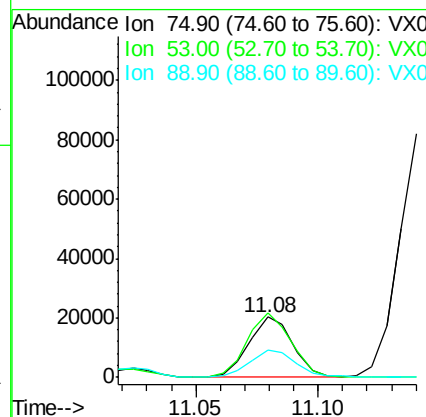
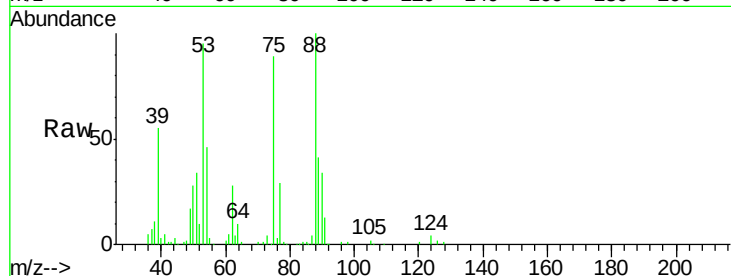
53 107.0 79.4 119.2

89 48.7 38.8 58.2

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#82

4-Chlorotoluene

Concen: 20.93 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX001740.D

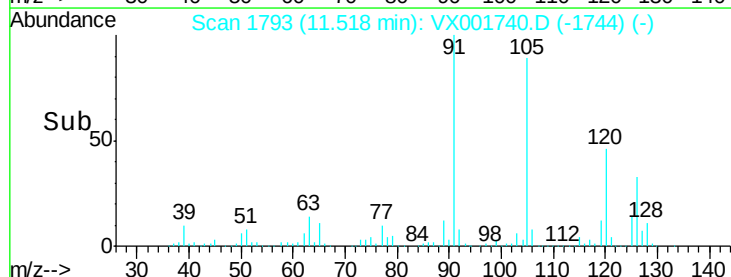
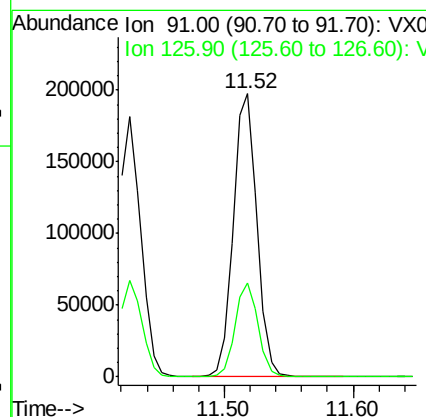
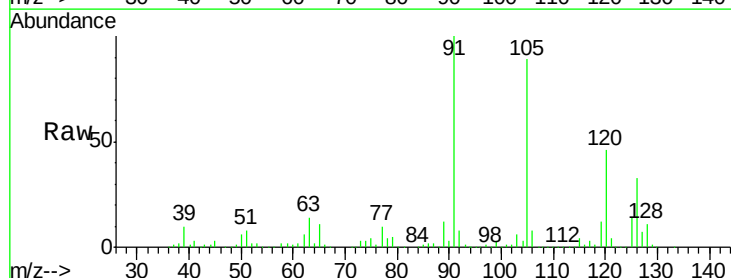
Acq: 15 May 2018 12:54

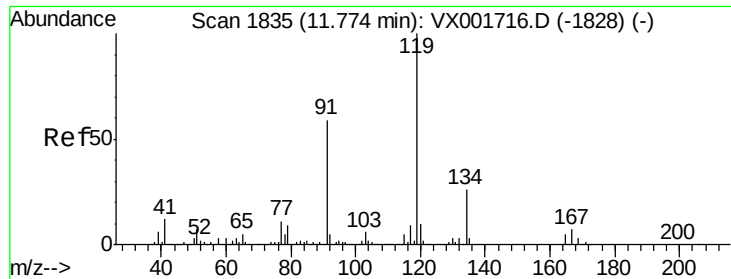
Tgt Ion: 91 Resp: 253839

Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.1





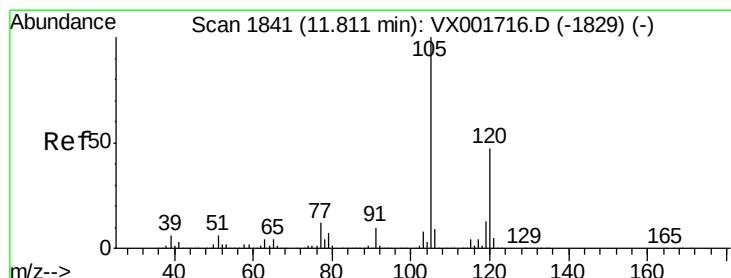
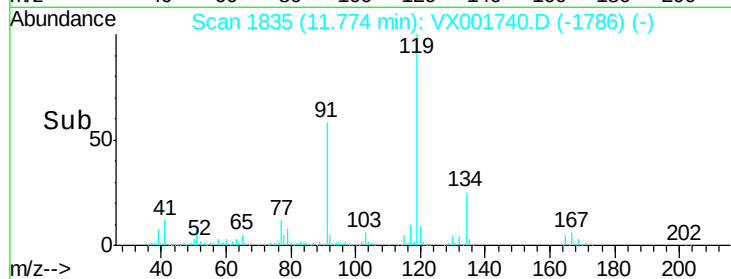
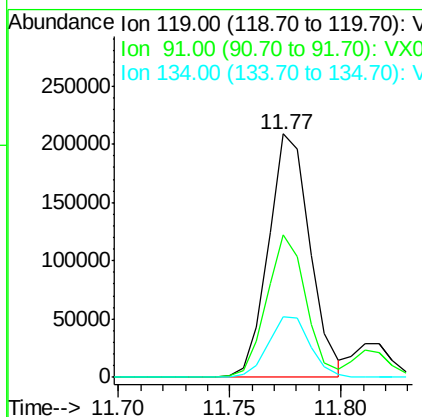
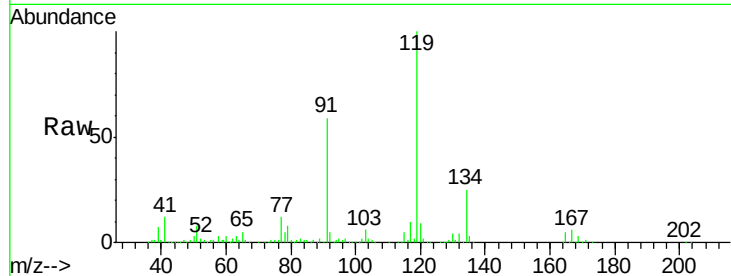
#83
 tert-Butylbenzene
 Concen: 21.69 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS03

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.5	27.7	83.0
134	25.2	12.7	38.1

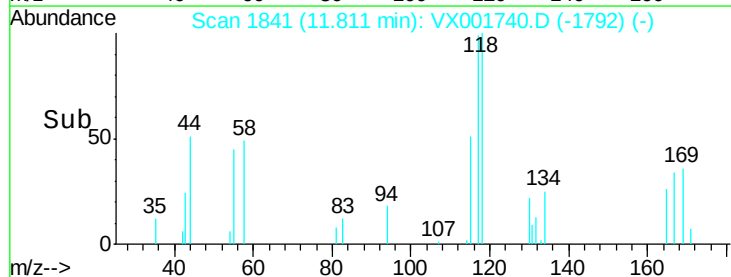
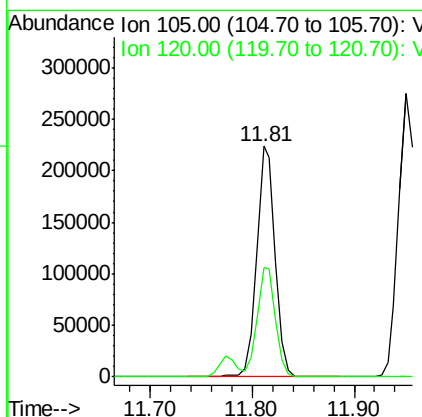
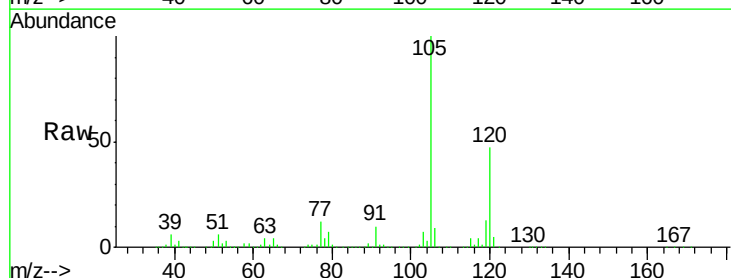
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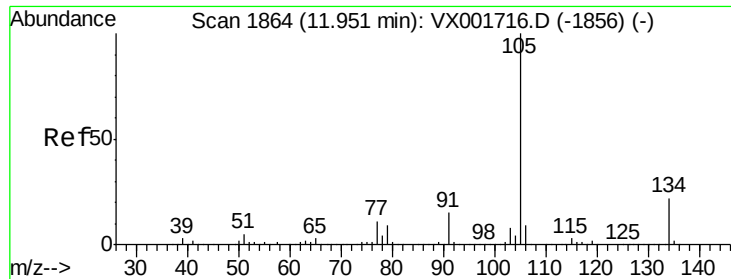
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.93 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.5	70.5





#85

sec-Butylbenzene

Concen: 21.35 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS03

Tot Ion:105 Resp: 328711

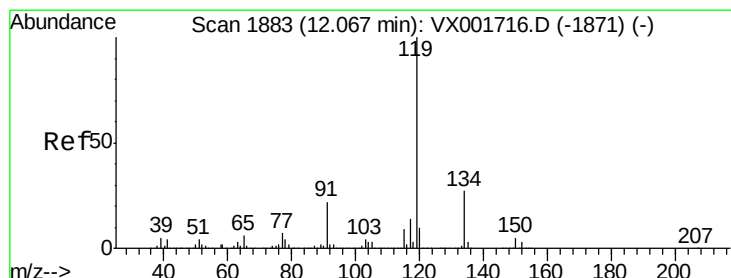
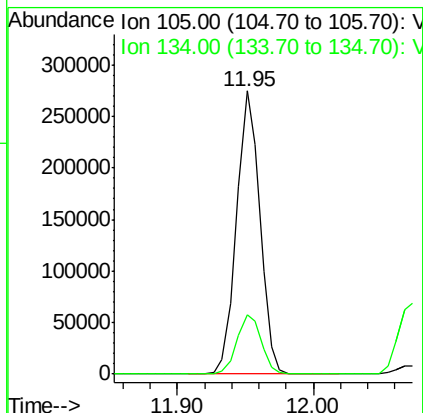
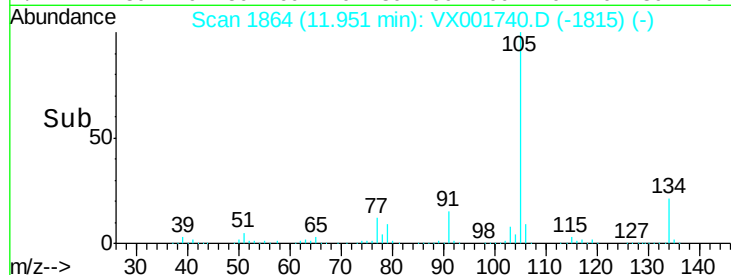
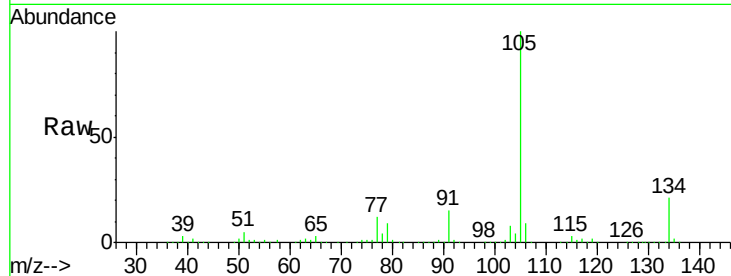
Ion Ratio Lower Upper

105 100

134 21.8 10.9 32.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 21.12 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

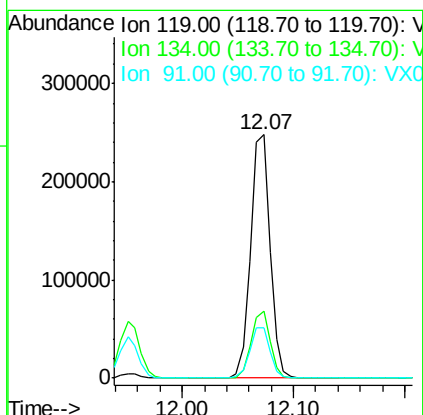
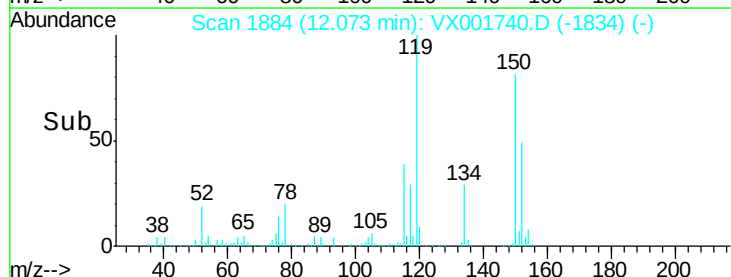
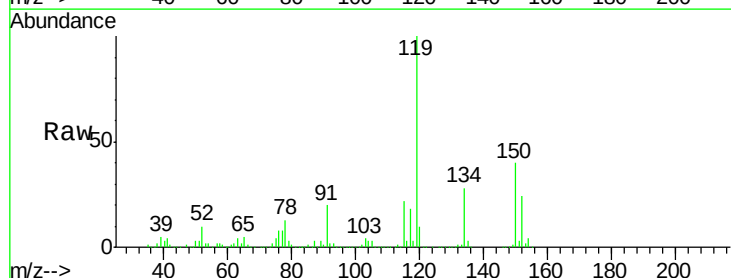
Tgt Ion:119 Resp: 301008

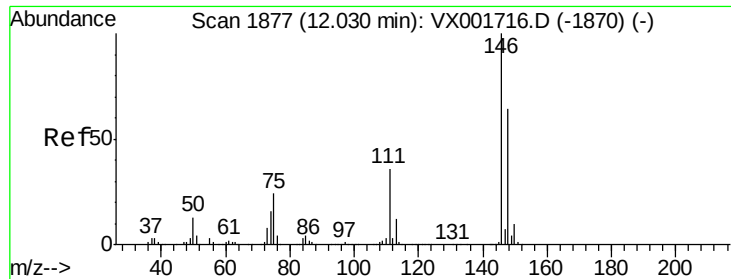
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 21.4 10.7 32.1





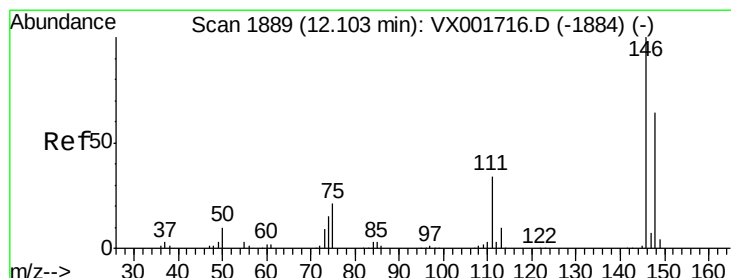
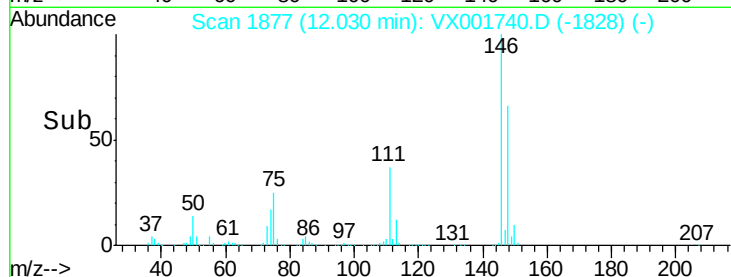
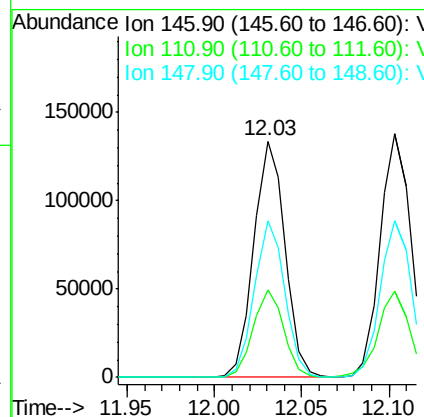
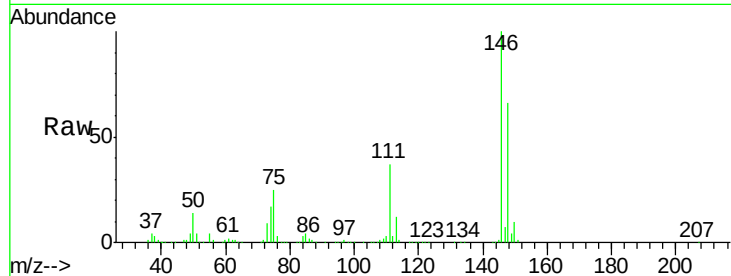
#87
 1,3-Dichlorobenzene
 Concen: 20.10 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	17.8	53.4
148	64.7	32.1	96.3

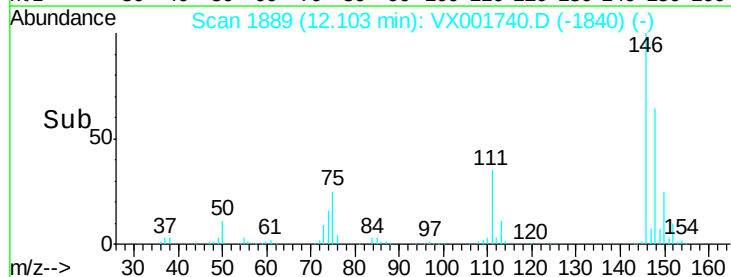
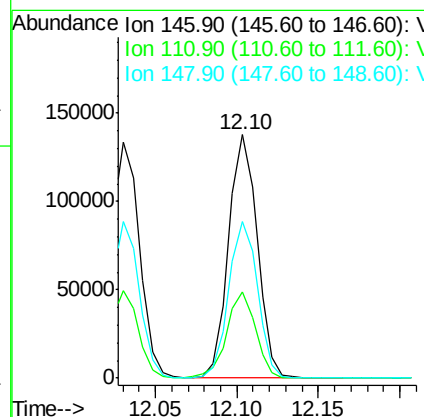
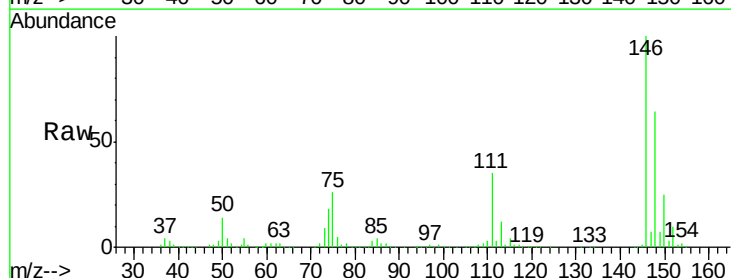
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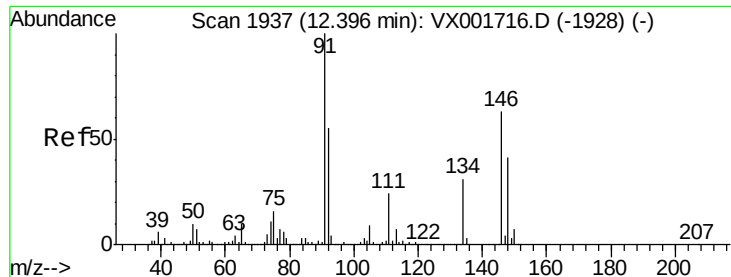
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#88
 1,4-Dichlorobenzene
 Concen: 19.64 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	17.3	52.0
148	65.0	32.3	96.9





#89

n-Butylbenzene

Concen: 19.20 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS03

Tot Ion: 91 Resp: 236592

Ion Ratio Lower Upper

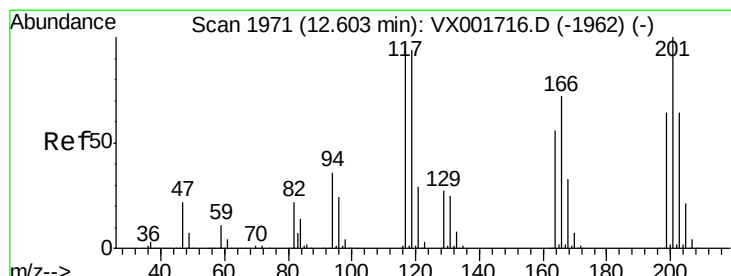
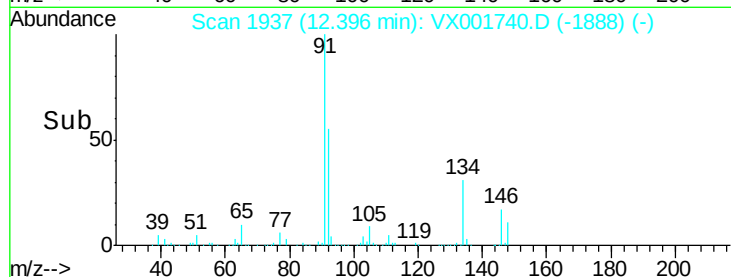
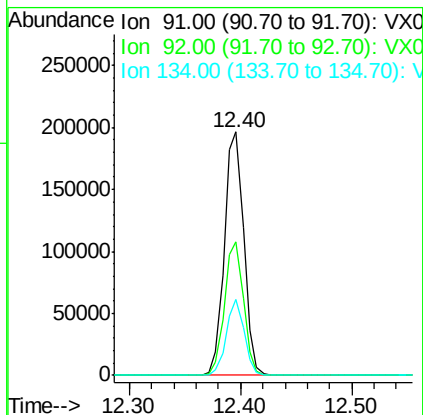
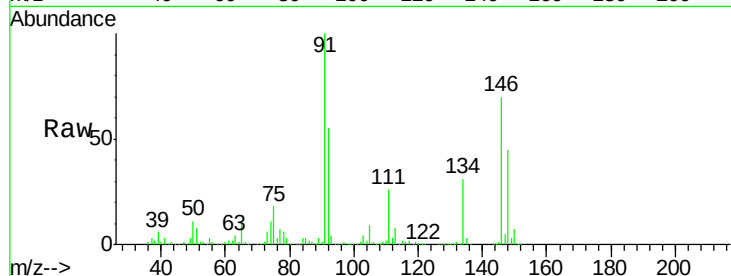
91 100

92 53.8 27.3 81.9

134 28.9 14.7 44.1

Manual Integrations
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#90

Hexachloroethane

Concen: 20.70 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX001740.D

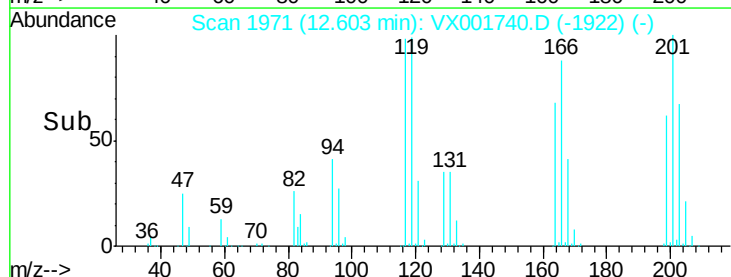
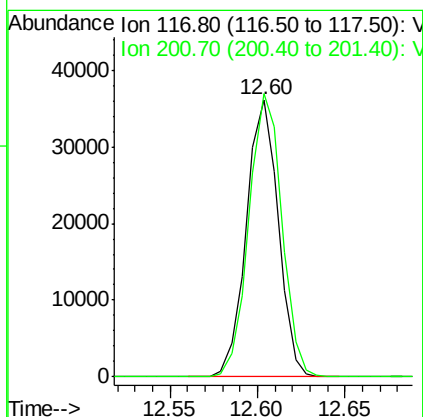
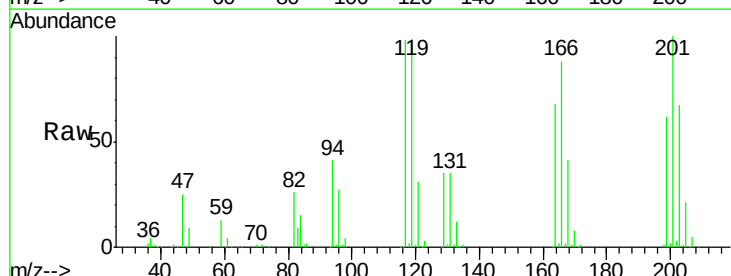
Acq: 15 May 2018 12:54

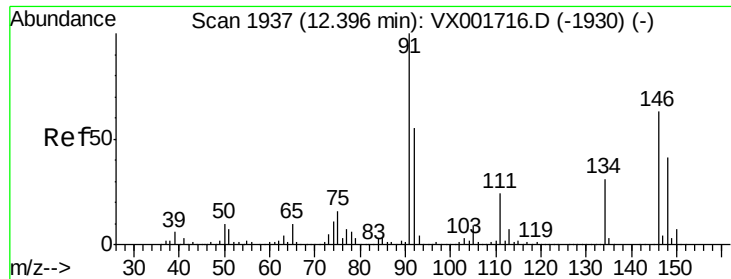
Tgt Ion: 117 Resp: 45820

Ion Ratio Lower Upper

117 100

201 105.5 51.9 155.7





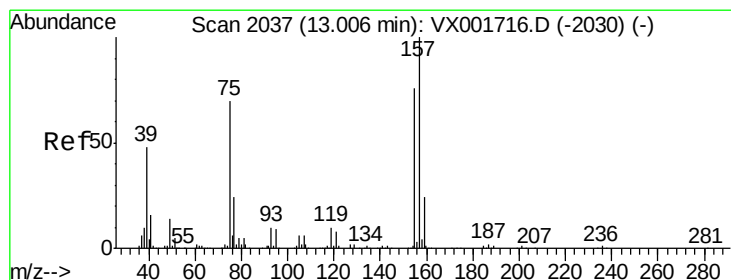
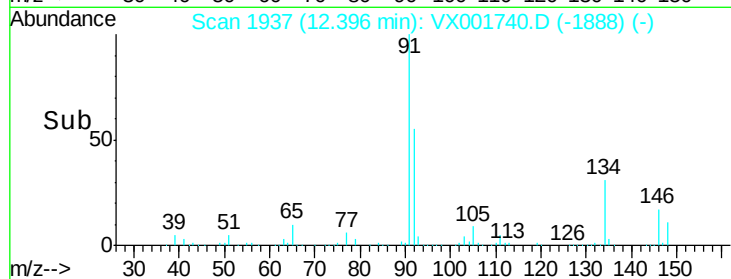
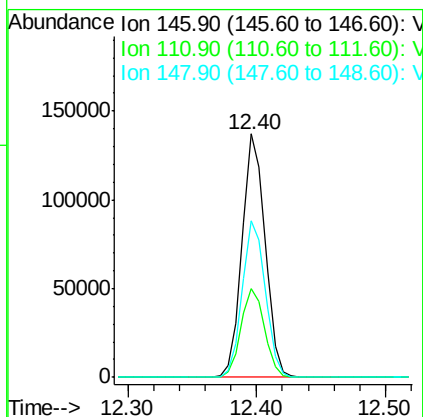
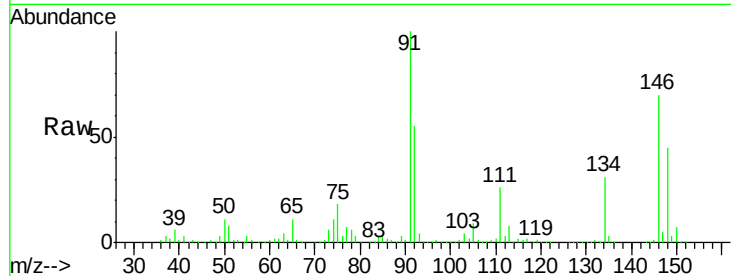
#91
 1,2-Dichlorobenzene
 Concen: 20.46 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS03

Tot Ion	Ratio	Resp	Lower	Upper
146	100	169313		
111	37.3	18.6	56.0	
148	64.4	32.4	97.0	

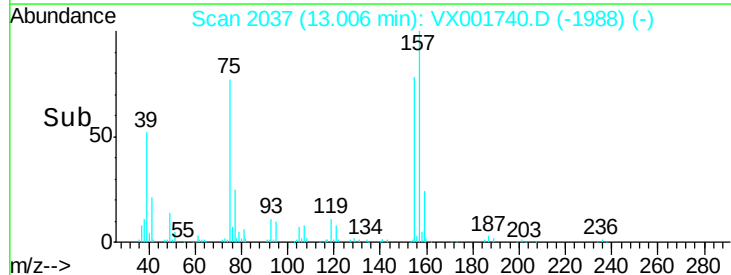
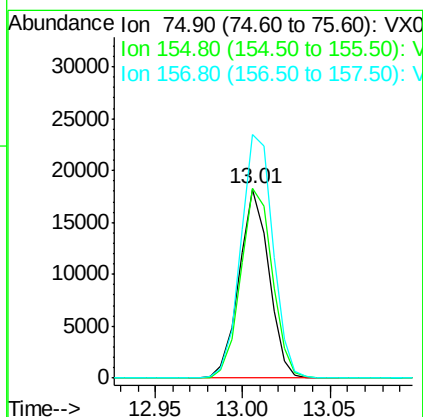
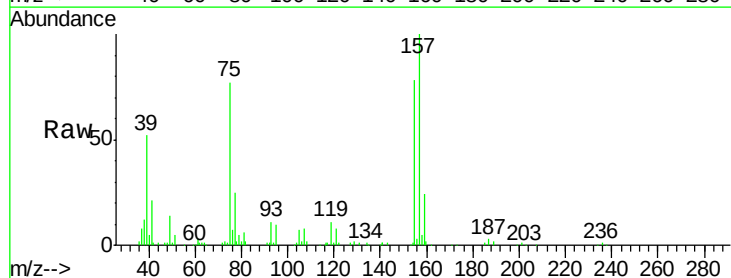
Manual Integrations
 APPROVED

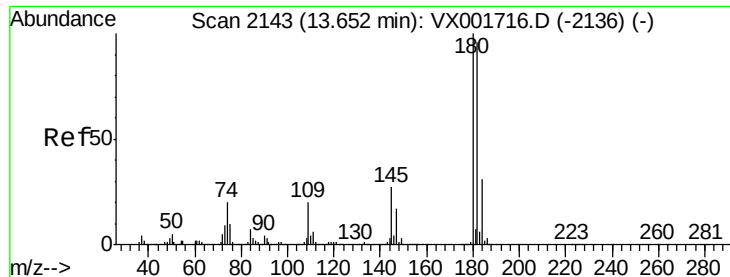
MMDadoda
 5/16/2018 11:54:15 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.04 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21564		
155	106.8	53.9	161.8	
157	139.2	71.0	213.2	





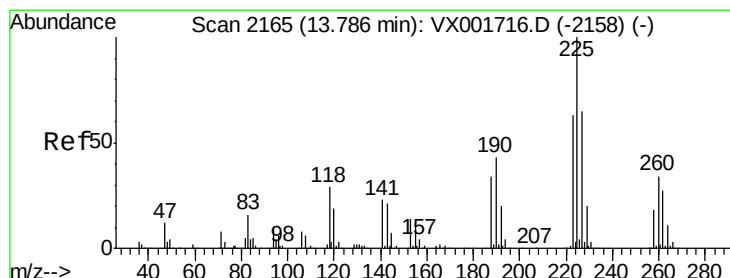
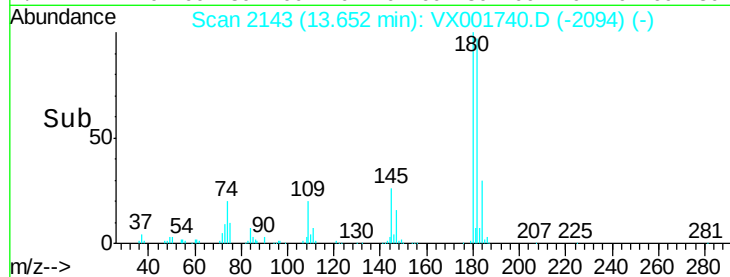
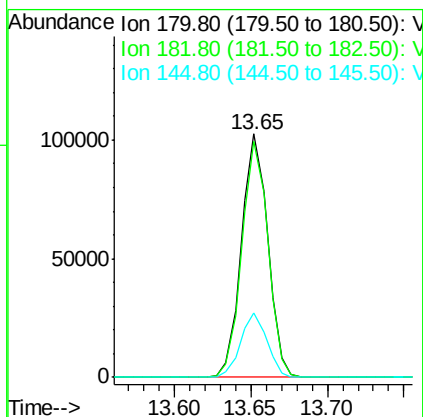
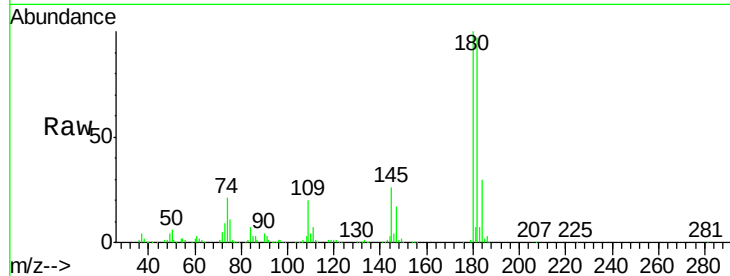
#93
 1,2,4-Trichlorobenzene
 Concen: 18.51 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	122096		
182	96.6	47.6	142.9	
145	26.4	13.4	40.1	

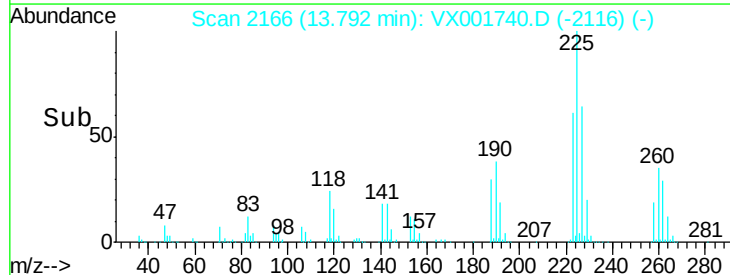
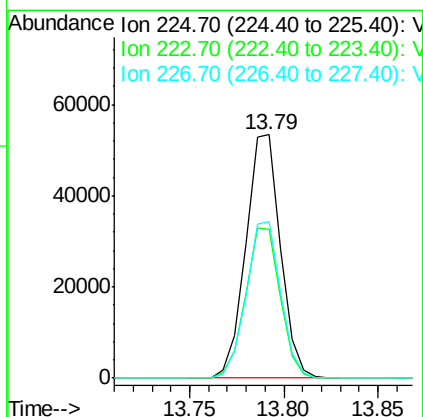
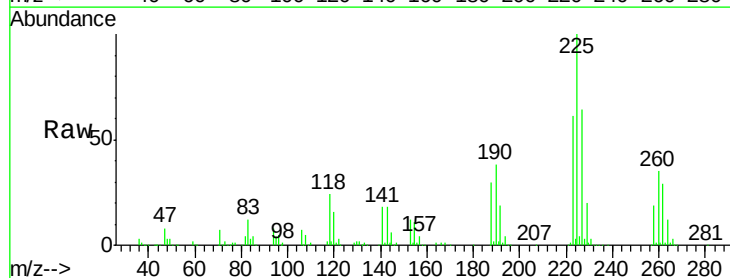
Manual Integrations
 APPROVED

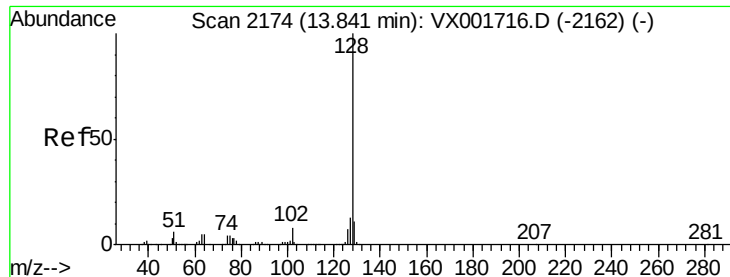
MMDadoda
 5/16/2018 11:54:15 AM



#94
 Hexachlorobutadiene
 Concen: 19.20 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VX001740.D
 Acq: 15 May 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67981		
223	61.8	31.1	93.5	
227	63.9	31.9	95.5	





#95

Naphthalene

Concen: 20.53 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Instrument :

MSVOA_X

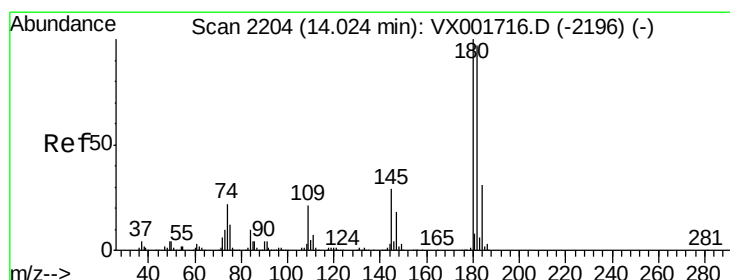
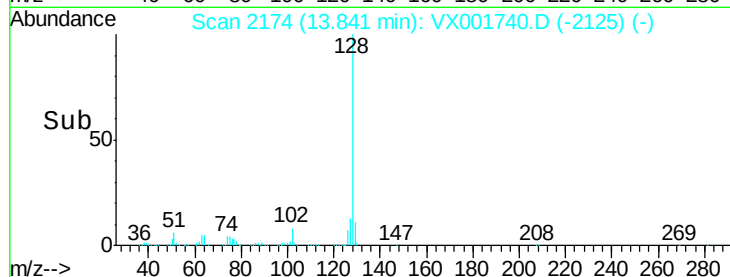
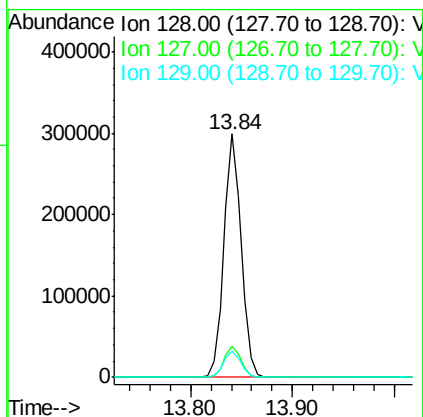
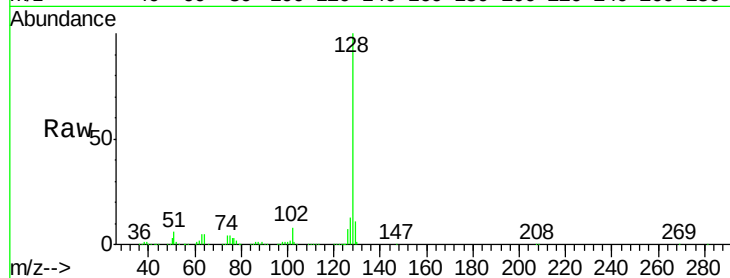
ClientSampleId :

VX0515WBS03

Tot Ion:	128	Resp:	351922
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/16/2018 11:54:15 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.36 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001740.D

Acq: 15 May 2018 12:54

Tgt Ion:	180	Resp:	128557
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.9	143.7
145	28.4	14.2	42.8

