

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051618\
 Data File : VX001765.D
 Acq On : 16 May 2018 15:33
 Operator : JC/MD
 Sample : VX0516WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/17/2018 9:32:20 AM

Quant Time: May 17 03:59:19 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	312920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	397997	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	339127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	222793	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	202093	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
35) Dibromofluoromethane	5.51	113	172581	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	8.72	98	647380	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
62) 4-Bromofluorobenzene	11.14	95	207004	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	61655	19.63	ug/l	99
3) Chloromethane	1.32	50	69610	20.52	ug/l	99
4) Vinyl Chloride	1.40	62	73052	19.92	ug/l	100
5) Bromomethane	1.64	94	39811	24.15	ug/l	95
6) Chloroethane	1.72	64	48026	20.79	ug/l	98
7) Trichlorofluoromethane	1.93	101	108160	20.30	ug/l	99
8) Diethyl Ether	2.19	74	43794	19.96	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	66901	20.85	ug/l	98
10) Methyl Iodide	2.51	142	70051	23.73	ug/l	99
11) Tert butyl alcohol	3.07	59	81161	108.99	ug/l	100
12) 1,1-Dichloroethene	2.37	96	60034	19.41	ug/l	100
13) Acrolein	2.29	56	50290	95.22	ug/l	100
14) Allyl chloride	2.73	41	113519	19.86	ug/l	98
15) Acrylonitrile	3.15	53	189912	101.54	ug/l	99
16) Acetone	2.45	43	162956	98.92	ug/l	100
17) Carbon Disulfide	2.57	76	144482	17.91	ug/l	100
18) Methyl Acetate	2.78	43	103644	21.52	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	207390	19.89	ug/l	99
20) Methylene Chloride	2.86	84	69992	19.85	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	64837	19.03	ug/l	99
22) Diisopropyl ether	3.88	45	210443	19.19	ug/l	98
23) Vinyl Acetate	3.83	43	723750	91.59	ug/l	100
24) 1,1-Dichloroethane	3.70	63	121699	20.23	ug/l	99
25) 2-Butanone	4.71	43	257372	102.04	ug/l	97
26) 2,2-Dichloropropane	4.59	77	88970	18.37	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	74709	19.27	ug/l	99
28) Bromochloromethane	5.03	49	55627	20.82	ug/l	99
29) Tetrahydrofuran	5.17	42	164308	99.94	ug/l	100
30) Chloroform	5.22	83	126745	20.06	ug/l	99
31) Cyclohexane	5.58	56	107534	20.40	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	109709	20.10	ug/l	99
36) 1,1-Dichloropropene	5.80	75	90682	19.79	ug/l	99
37) Ethyl Acetate	4.87	43	98170	20.56	ug/l	100
38) Carbon Tetrachloride	5.79	117	98988	20.62	ug/l	97

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Manual Integrations
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Quant Time: May 17 03:59:19 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	111091	20.75	ug/l	98
40) Benzene	6.15	78	281962	20.89	ug/l	99
41) Methacrylonitrile	5.07	41	56014	20.29	ug/l	99
42) 1,2-Dichloroethane	6.20	62	100637	20.61	ug/l	100
43) Isopropyl Acetate	6.48	43	146261	19.57	ug/l	99
44) Trichloroethene	7.21	130	85558	20.42	ug/l	99
45) 1,2-Dichloropropane	7.52	63	70854	21.39	ug/l	97
46) Dibromomethane	7.67	93	48228	20.74	ug/l	99
47) Bromodichloromethane	7.90	83	89709	20.79	ug/l	99
48) Methyl methacrylate	7.78	41	78891	20.06	ug/l	99
49) 1,4-Dioxane	7.76	88	36098	476.63	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	509891	107.67	ug/l	99
52) Toluene	8.79	92	185291	21.36	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	102552	20.19	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	90487	20.21	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	72657	21.91	ug/l	98
56) Ethyl methacrylate	9.19	69	97102	20.65	ug/l	98
57) 1,3-Dichloropropane	9.38	76	110479	19.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	251480	103.98	ug/l	99
59) 2-Hexanone	9.50	43	350076	103.26	ug/l	99
60) Dibromochloromethane	9.59	129	68140	20.07	ug/l	99
61) 1,2-Dibromoethane	9.68	107	69653	20.07	ug/l	99
64) Tetrachloroethene	9.34	164	94440	21.39	ug/l	99
65) Chlorobenzene	10.14	112	191143	20.49	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	68955	20.93	ug/l	98
67) Ethyl Benzene	10.26	91	306927	20.59	ug/l	99
68) m/p-Xylenes	10.37	106	248913	42.32	ug/l	99
69) o-Xylene	10.70	106	118772	21.09	ug/l	100
70) Styrene	10.72	104	194581	20.94	ug/l	100
71) Bromoform	10.86	173	53453	19.34	ug/l	98
73) Isopropylbenzene	11.02	105	322004	21.95	ug/l	100
74) N-amyl acetate	6.48	43	146261	20.79	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	92630	21.05	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	92647m	21.87	ug/l	
77) Bromobenzene	11.26	156	91577	21.24	ug/l	98
78) n-propylbenzene	11.37	91	358032	21.66	ug/l	99
79) 2-Chlorotoluene	11.43	91	215176	21.77	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	270818	22.50	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	22629	18.17	ug/l	91
82) 4-Chlorotoluene	11.52	91	246492	21.16	ug/l	100
83) tert-Butylbenzene	11.77	119	259657	21.68	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	277294	22.25	ug/l	100
85) sec-Butylbenzene	11.95	105	324065	21.92	ug/l	100
86) p-Isopropyltoluene	12.07	119	297508	21.74	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	164318	20.61	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	165651	20.09	ug/l	99
89) n-Butylbenzene	12.40	91	233184	19.71	ug/l	100
90) Hexachloroethane	12.60	117	44456	20.92	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	166768	20.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19145	20.38	ug/l	98

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

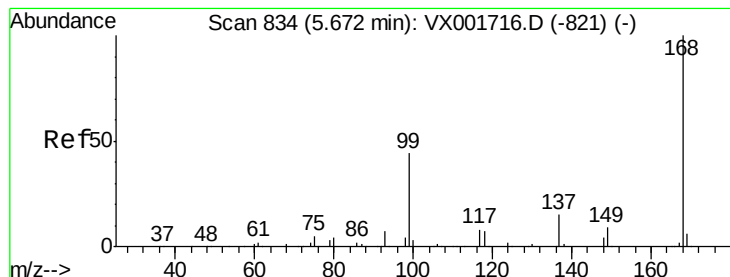
Manual Integrations
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5/17/2018 9:32:20 AM

Quant Time: May 17 03:59:19 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
Quant Title : SW846 8260
QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	121154	19.13	ug/l	100
94) Hexachlorobutadiene	13.79	225	67666	19.90	ug/l	99
95) Naphthalene	13.84	128	330598	20.09	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	127231	19.95	ug/l	100

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



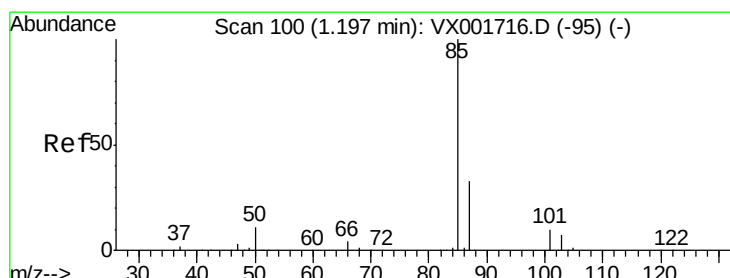
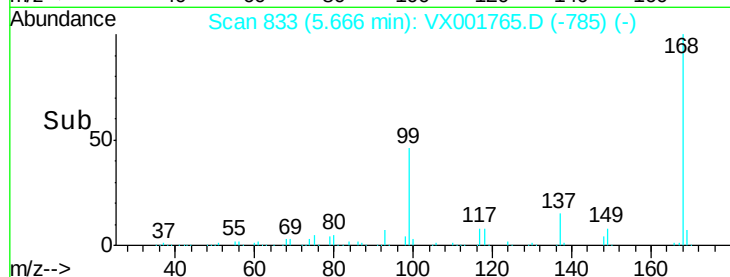
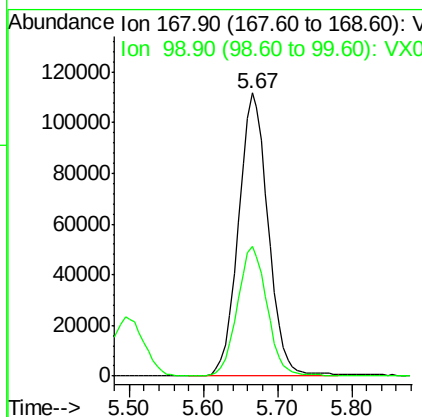
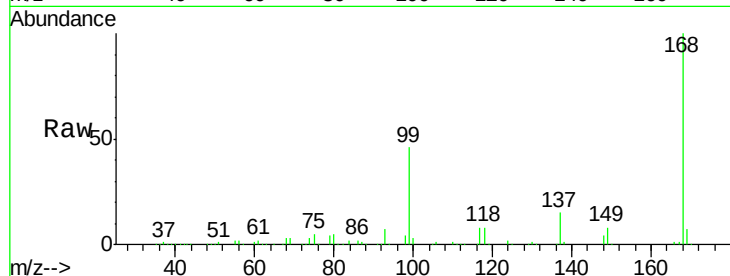
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.01 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	312920		
99	45.8	35.0	52.4	

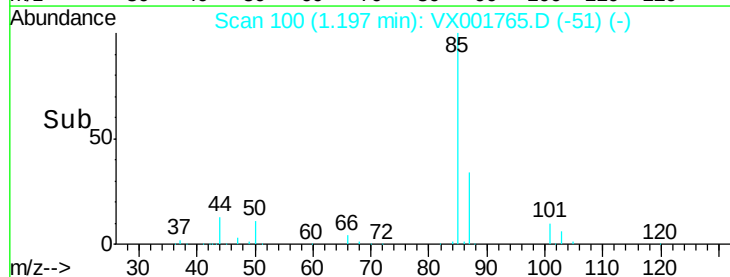
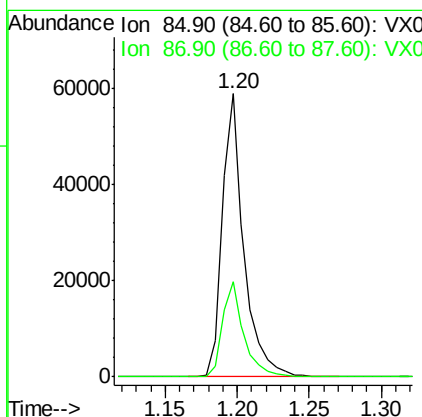
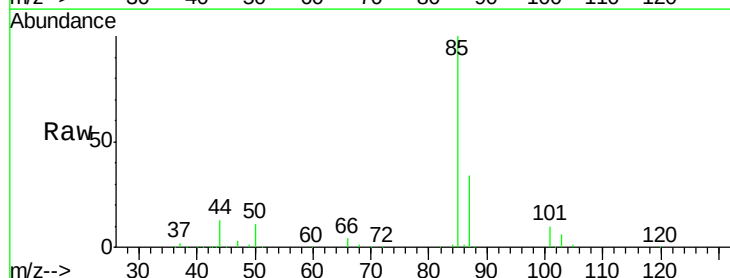
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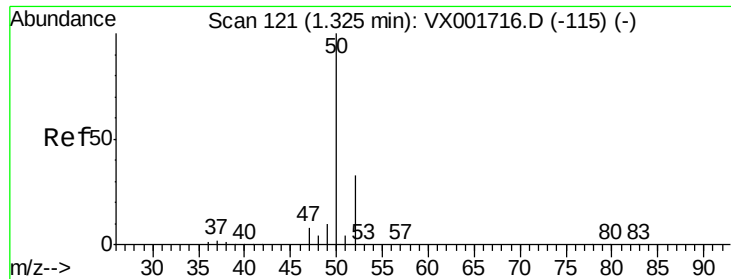
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#2
Dichlorodifluoromethane
Concen: 19.63 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	61655		
87	33.6	16.4	49.2	





#3

Chloromethane

Concen: 20.52 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 50 Resp: 69610

Ion Ratio Lower Upper

50 100

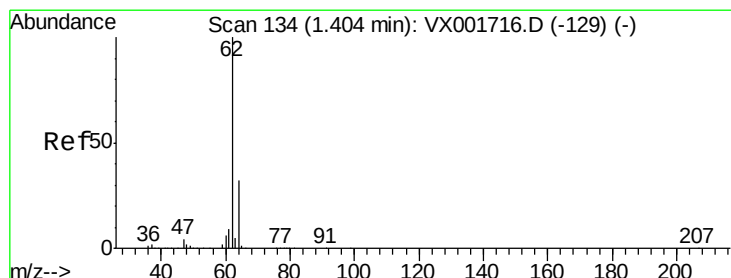
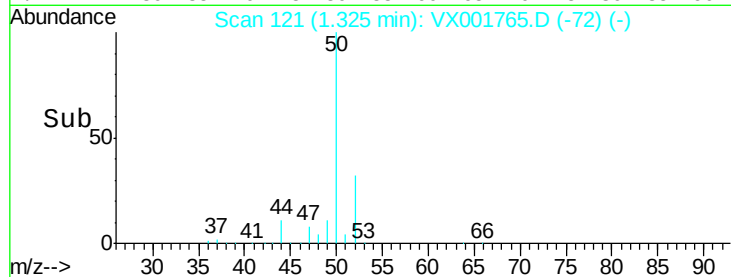
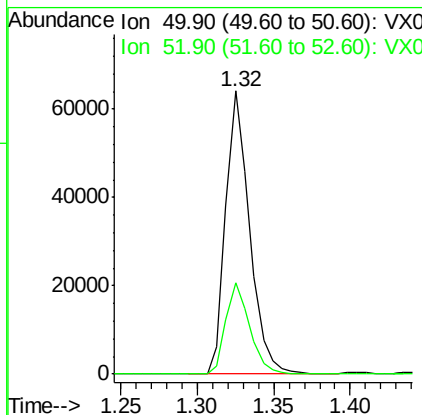
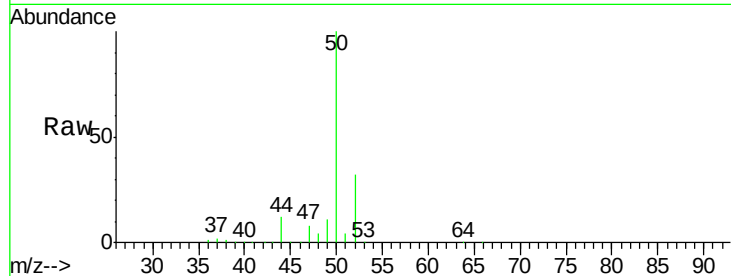
52 32.2 26.3 39.5

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#4

Vinyl Chloride

Concen: 19.92 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001765.D

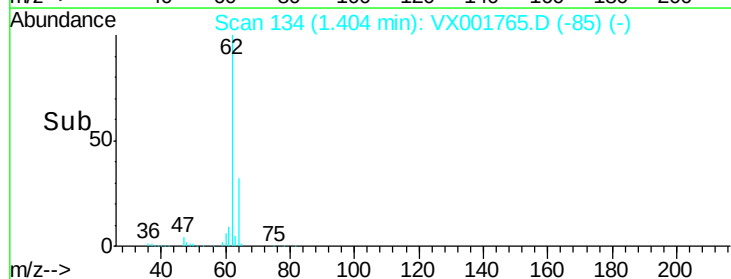
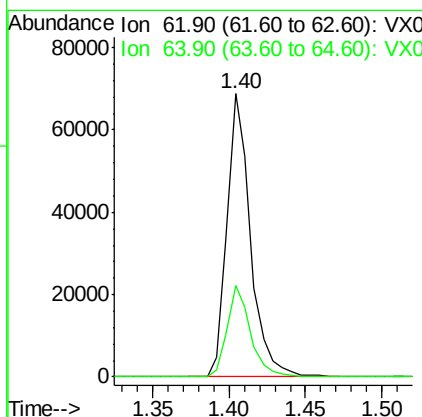
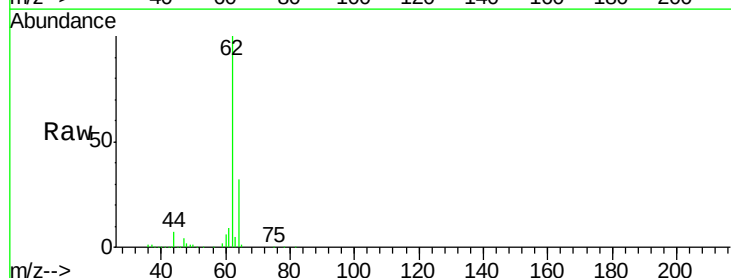
Acq: 16 May 2018 15:33

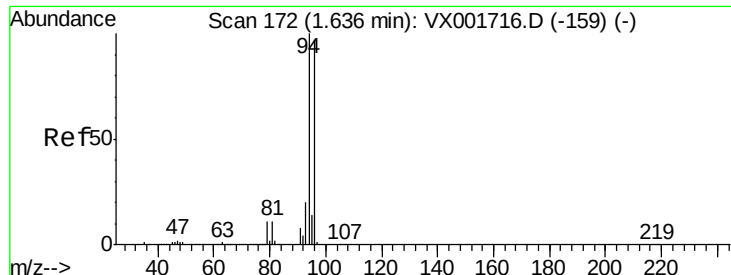
Tgt Ion: 62 Resp: 73052

Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4





#5

Bromomethane

Concen: 24.15 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 94 Resp: 39811

Ion Ratio Lower Upper

94 100

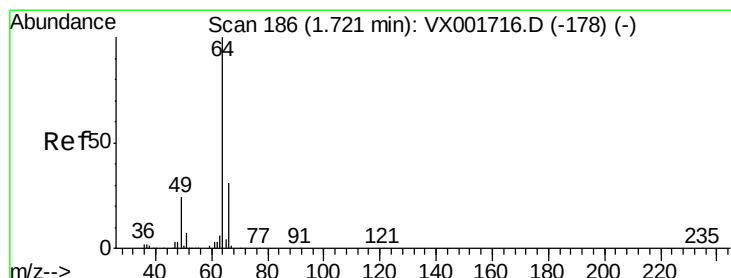
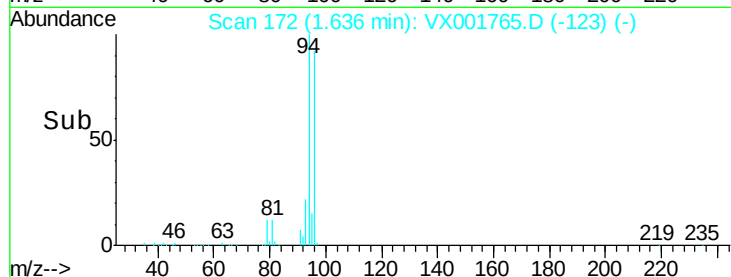
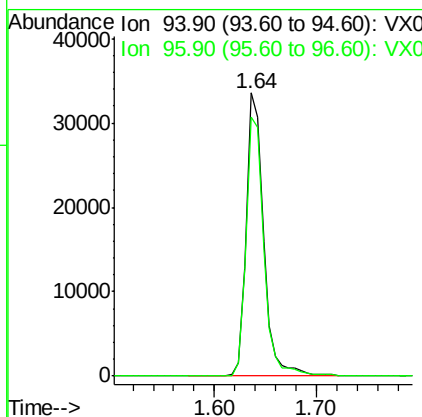
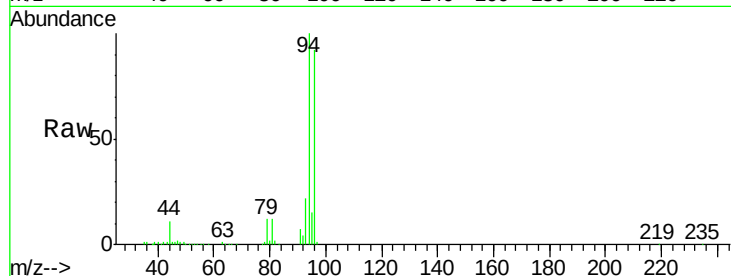
96 91.6 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 20.79 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001765.D

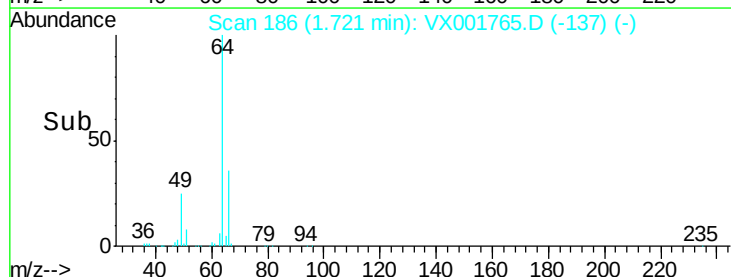
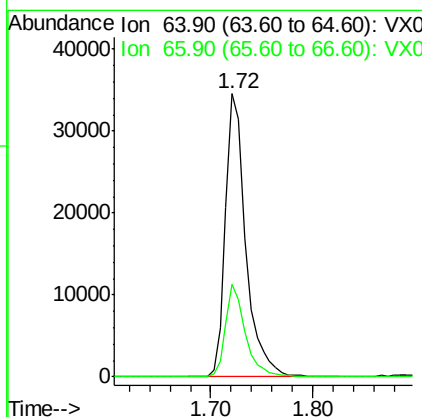
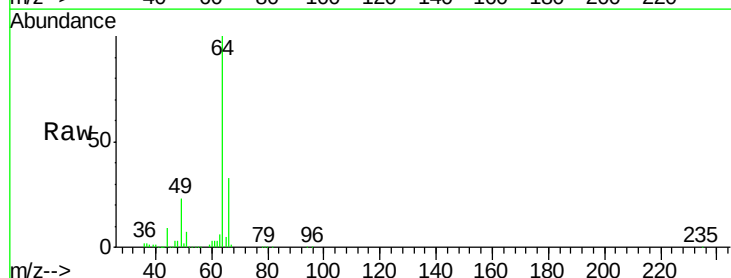
Acq: 16 May 2018 15:33

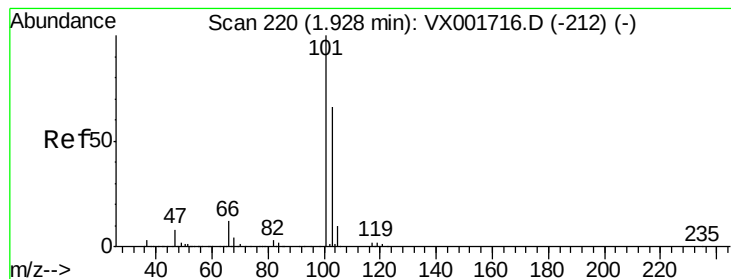
Tgt Ion: 64 Resp: 48026

Ion Ratio Lower Upper

64 100

66 32.8 25.2 37.8





#7

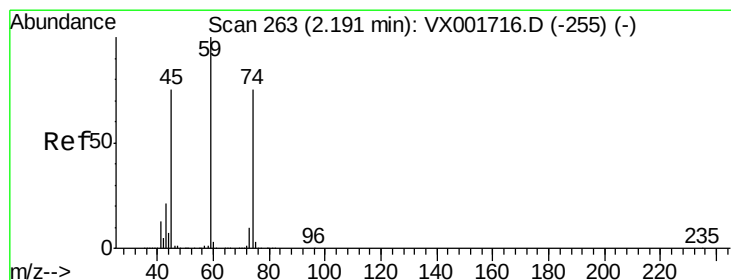
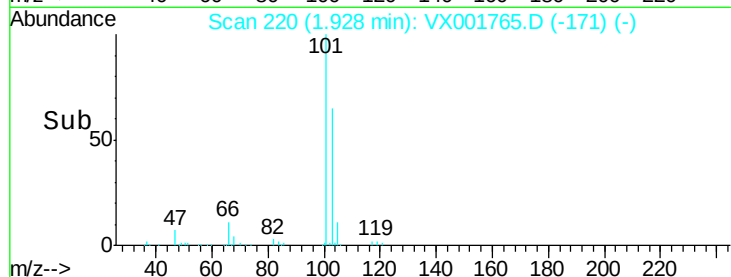
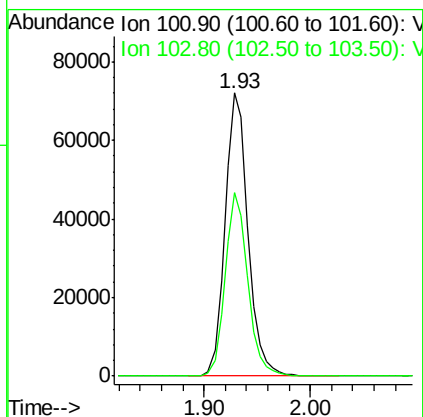
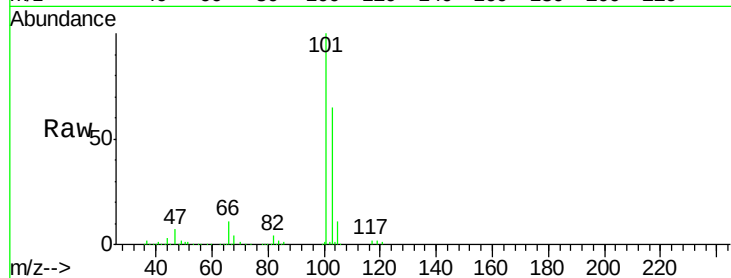
Trichlorofluoromethane
Concen: 20.30 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Instrument :
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ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	108160		
103	65.0	52.6	78.8	

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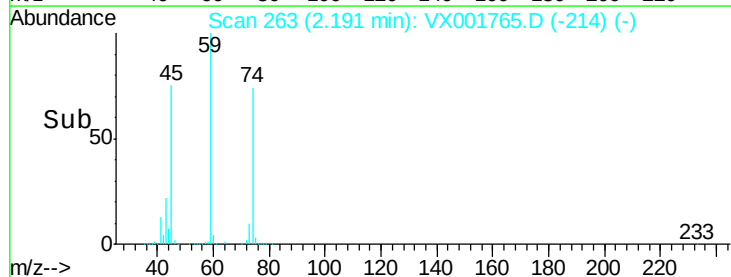
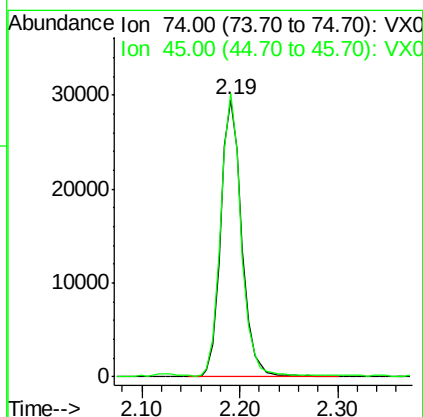
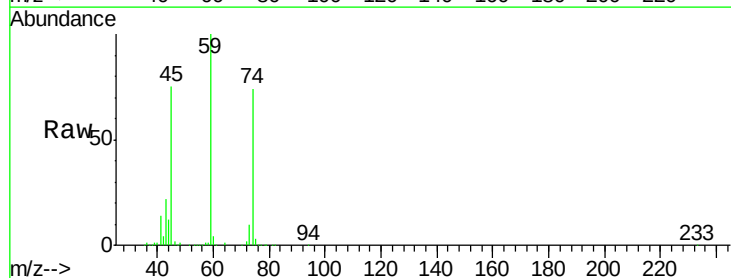
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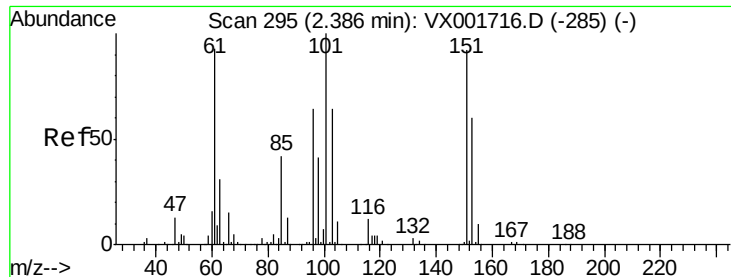


#8

Diethyl Ether
Concen: 19.96 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	43794		
45	99.0	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.85 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

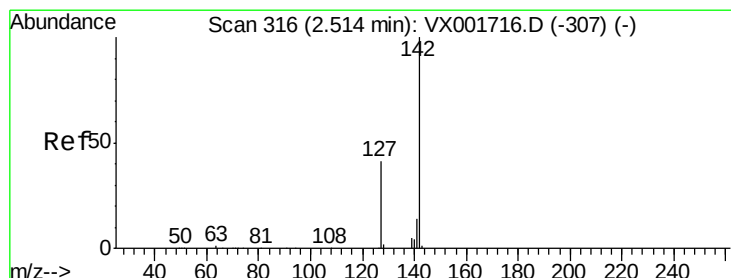
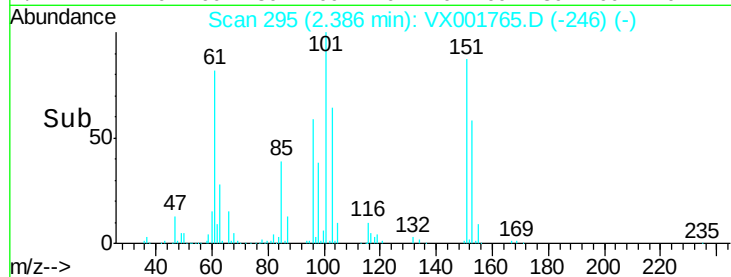
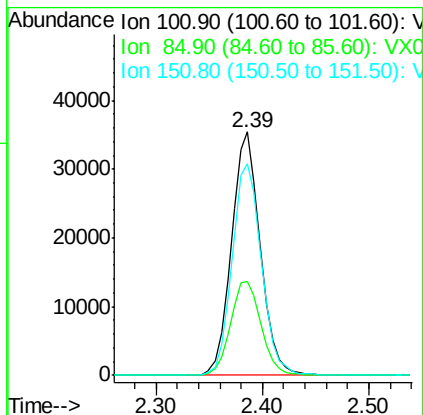
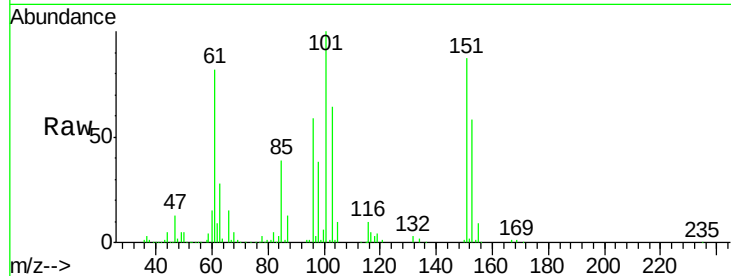
ClientSampleId :

VX0516WBS01

Tot Ion:	101	Resp:	66901
Ion Ratio	Lower	Upper	
101	100		
85	41.0	33.7	50.5
151	89.1	73.0	109.6

Manual Integrations
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#10

Methyl Iodide

Concen: 23.73 ug/l

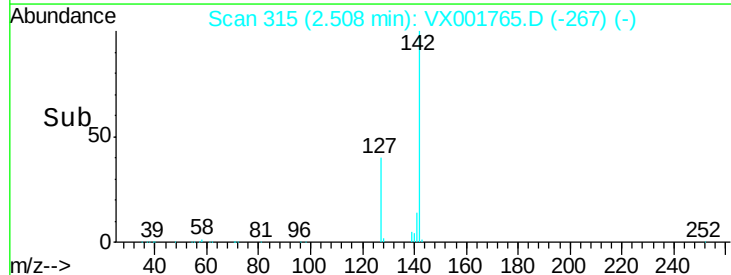
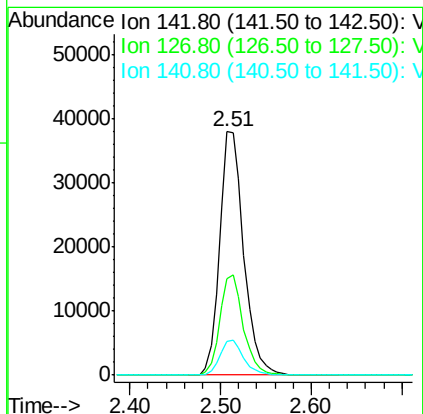
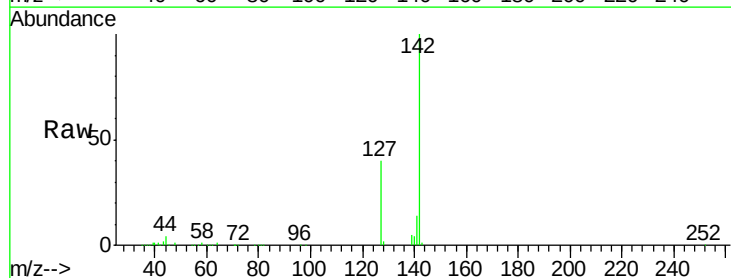
RT: 2.51 min Scan# 315

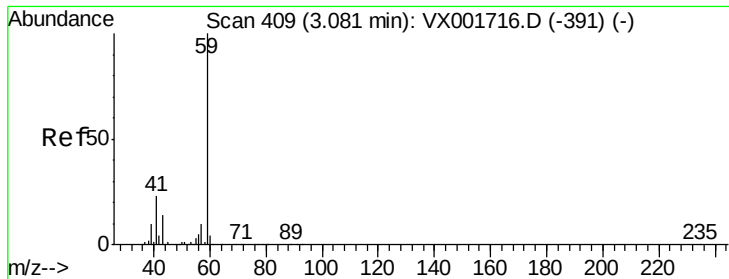
Delta R.T. -0.01 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Tgt Ion:	142	Resp:	70051
Ion Ratio	Lower	Upper	
142	100		
127	40.1	32.5	48.7
141	14.0	11.4	17.0





#11

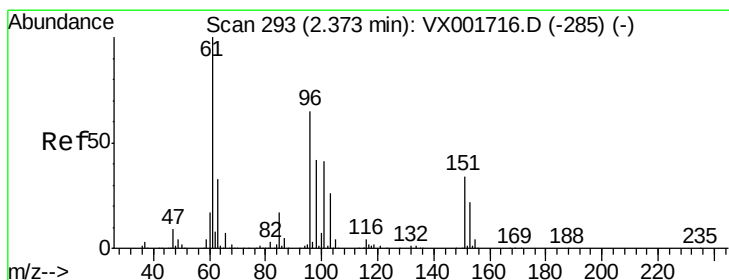
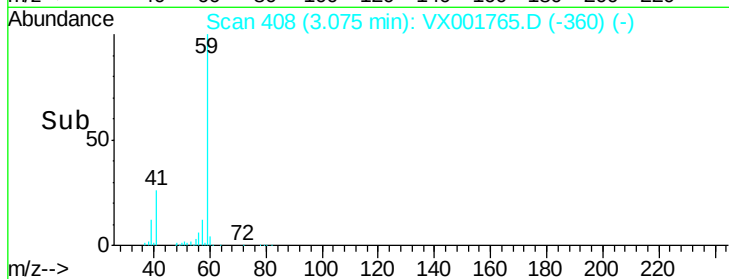
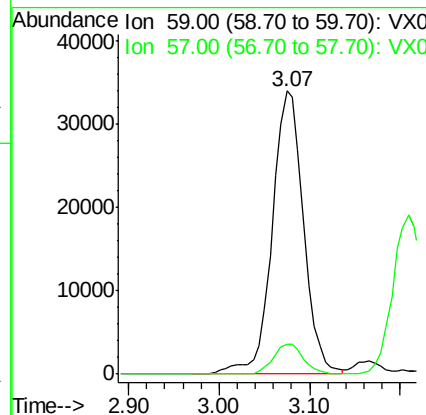
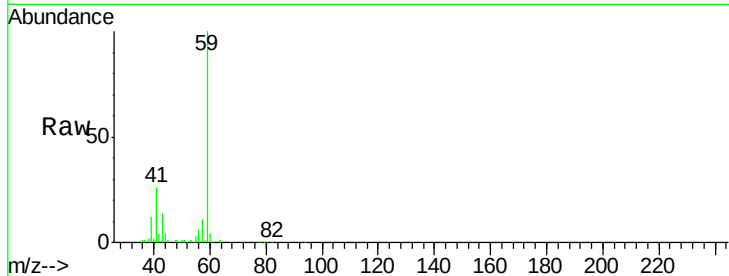
Tert butyl alcohol
Concen: 108.99 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

Manual Integrations
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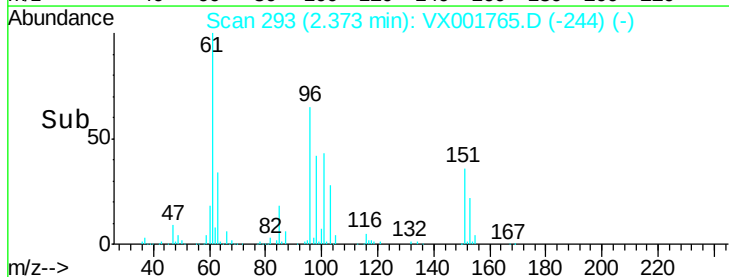
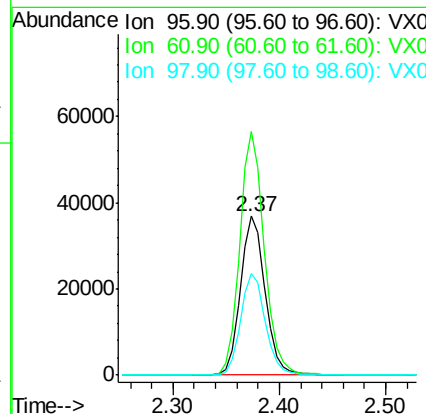
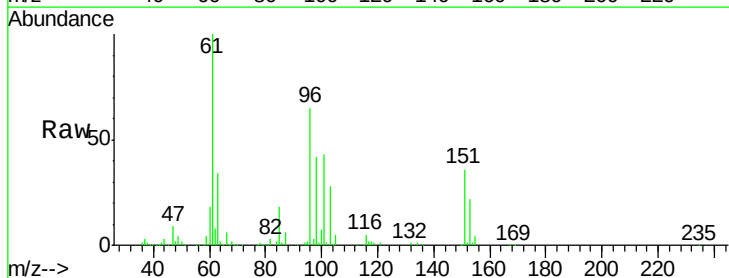
MMDadoda
5/17/2018 9:32:20 AM

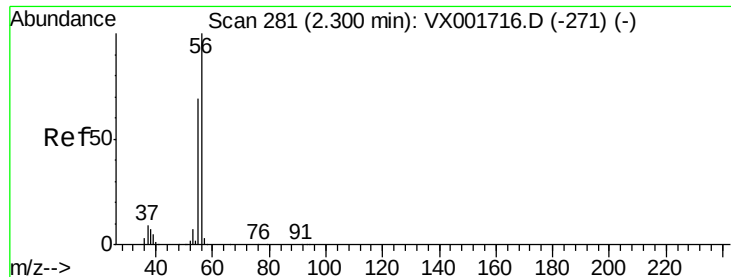


#12

1,1-Dichloroethene
Concen: 19.41 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.3	122.2	183.2
98	64.1	51.4	77.0





#13

Acrolein

Concen: 95.22 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 56 Resp: 50290

Ion Ratio Lower Upper

56 100

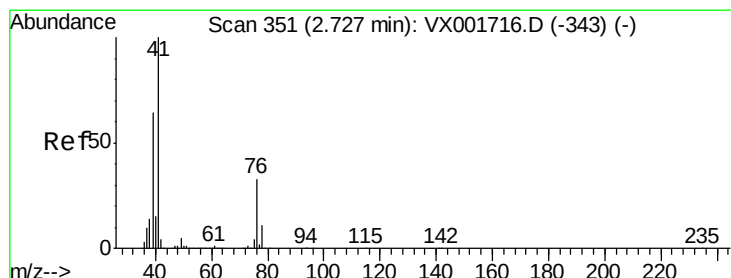
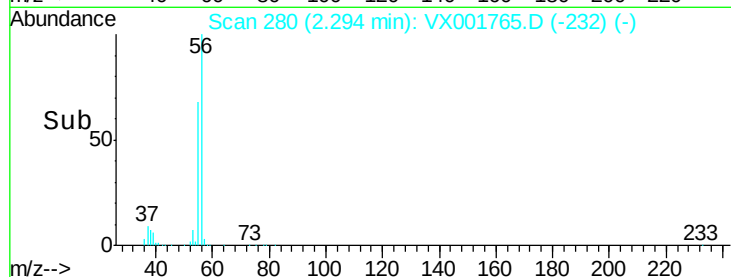
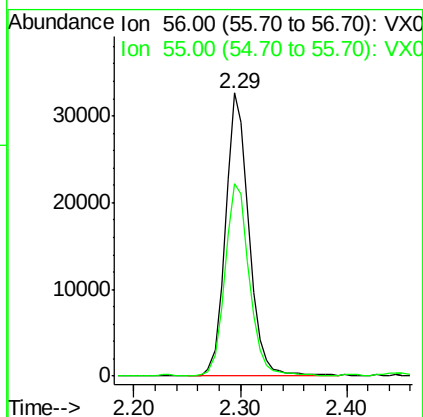
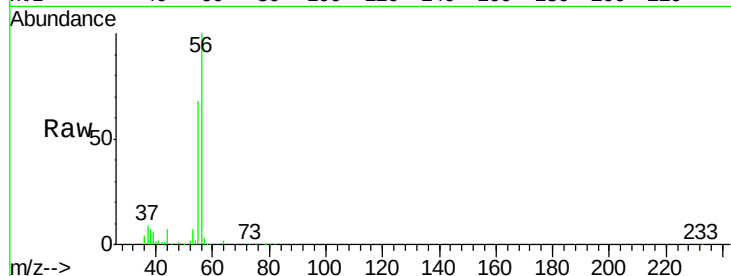
55 69.8 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 19.86 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

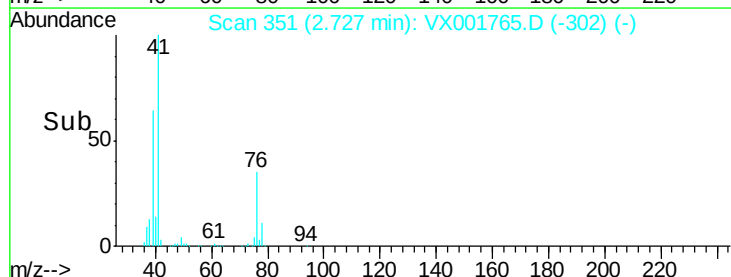
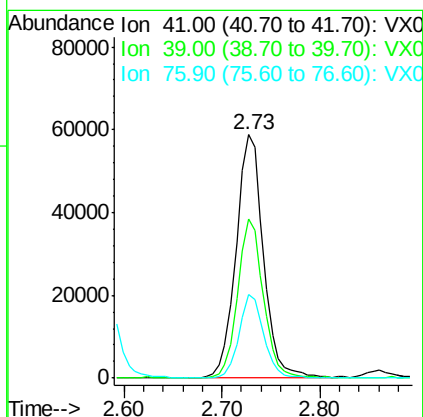
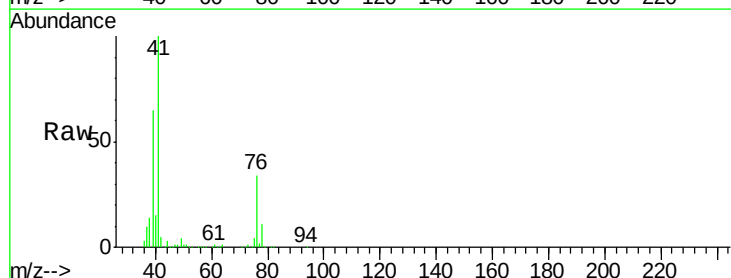
Tgt Ion: 41 Resp: 113519

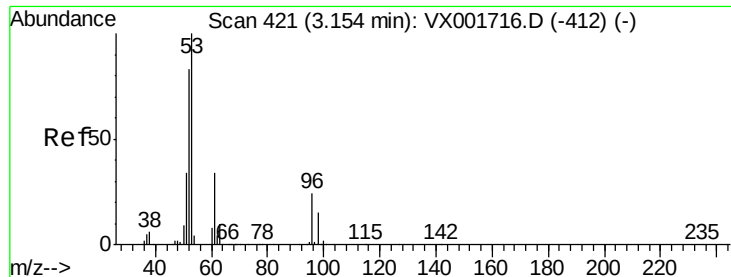
Ion Ratio Lower Upper

41 100

39 61.2 49.8 74.6

76 31.1 25.8 38.8





#15

Acrylonitrile

Concen: 101.54 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

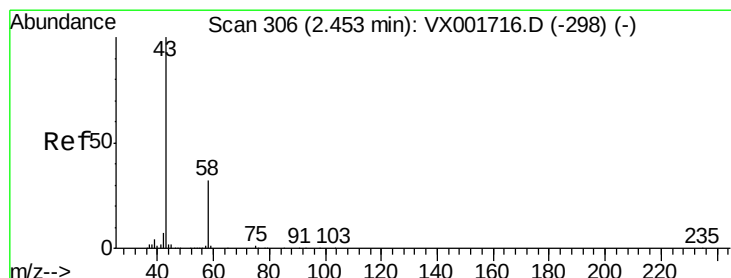
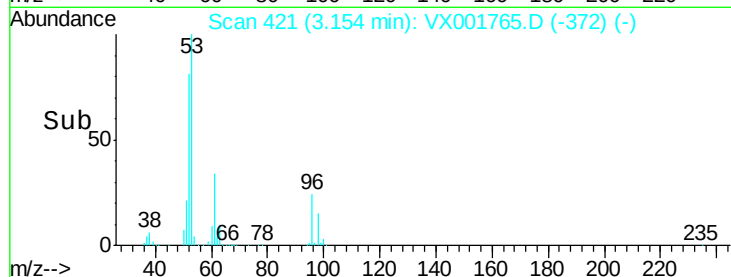
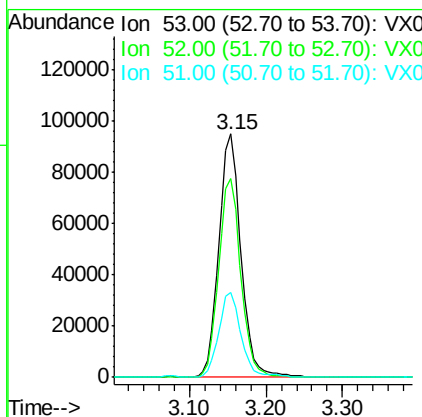
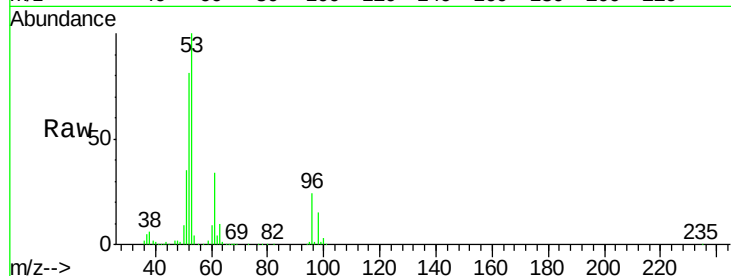
ClientSampleId :

VX0516WBS01

Tot Ion:	53	Resp:	189912
Ion Ratio		Lower	Upper
53	100		
52	81.6	65.6	98.4
51	35.8	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 98.92 ug/l

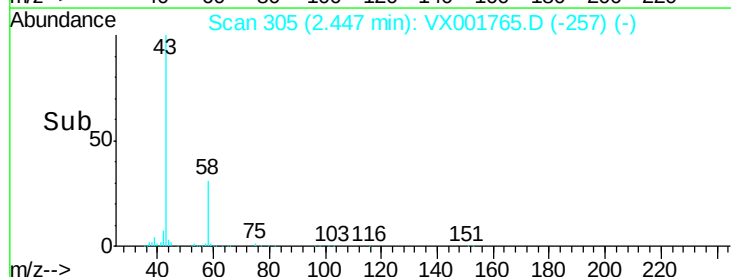
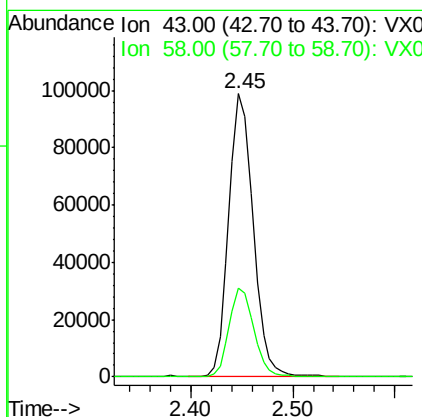
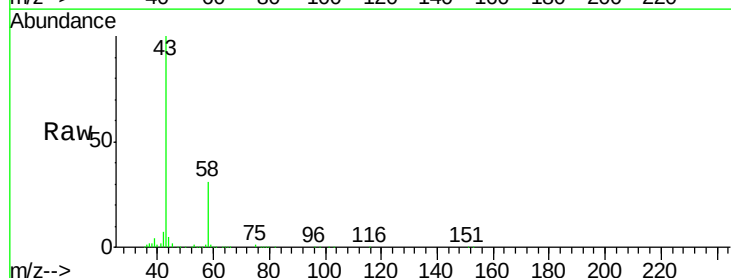
RT: 2.45 min Scan# 305

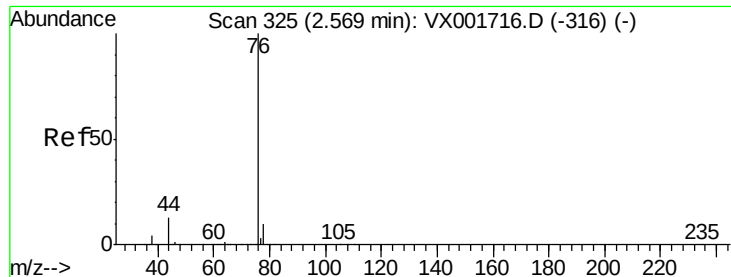
Delta R.T. -0.01 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Tgt Ion:	43	Resp:	162956
Ion Ratio		Lower	Upper
43	100		
58	31.4	25.3	37.9





#17

Carbon Disulfide

Concen: 17.91 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 76 Resp: 144482

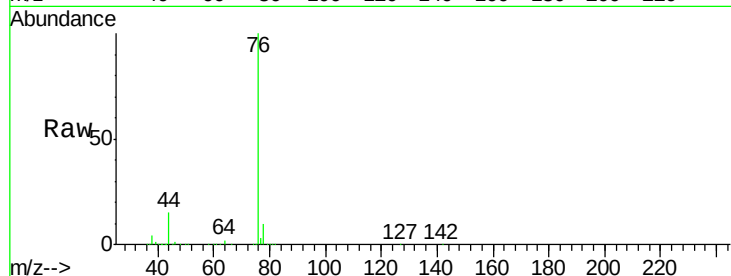
Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4

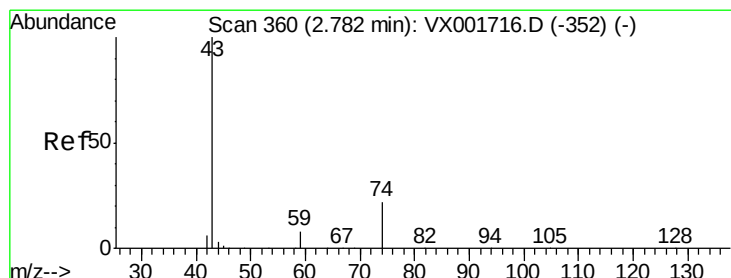
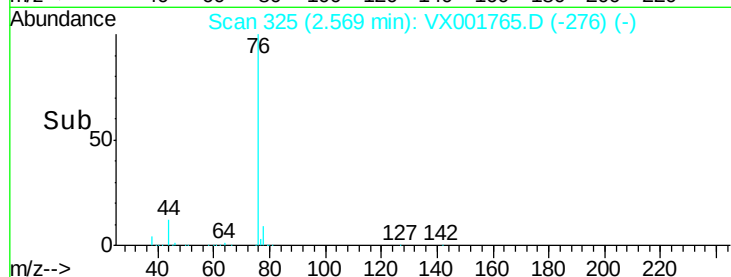
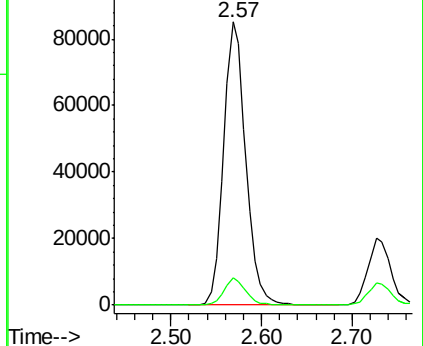
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.52 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001765.D

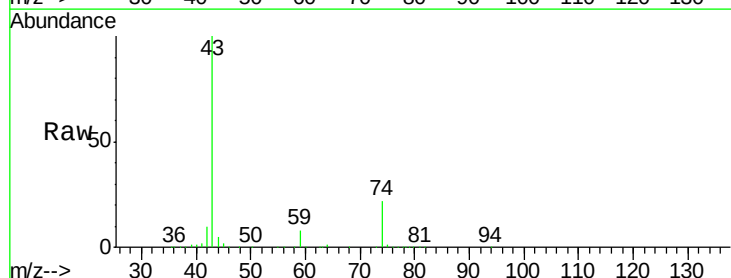
Acq: 16 May 2018 15:33

Tgt Ion: 43 Resp: 103644

Ion Ratio Lower Upper

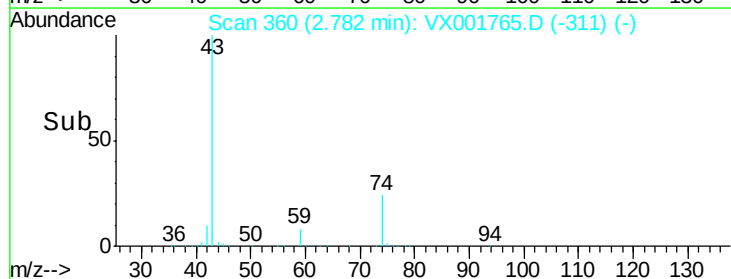
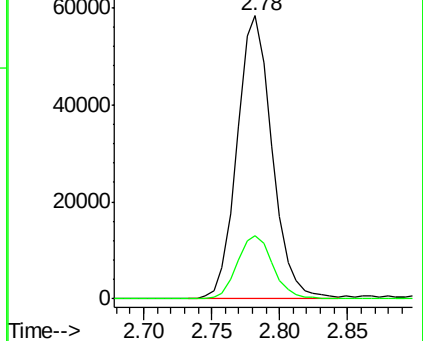
43 100

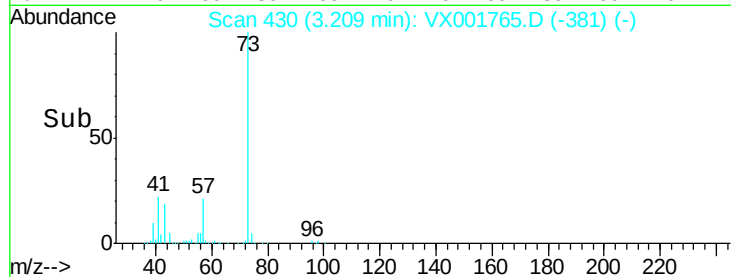
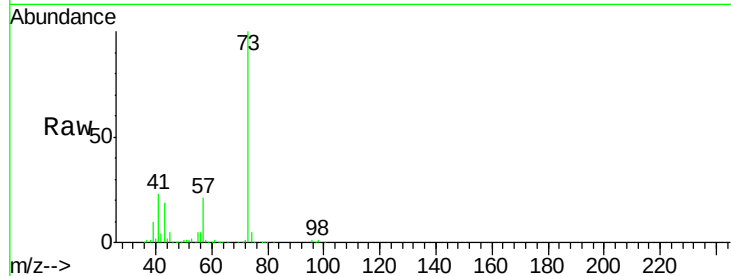
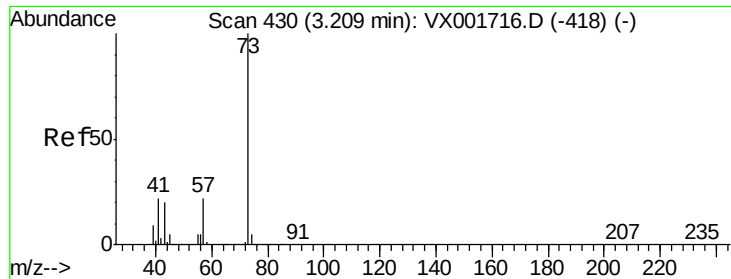
74 22.5 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





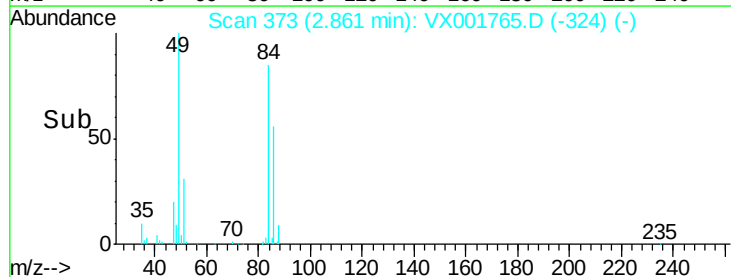
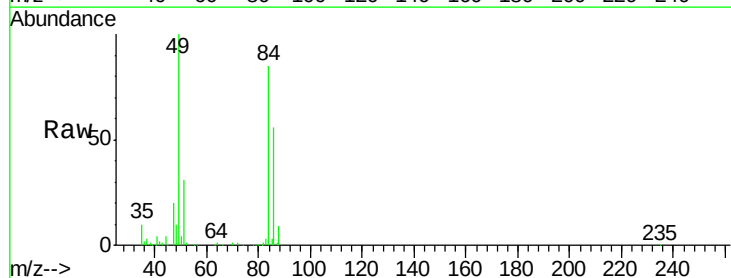
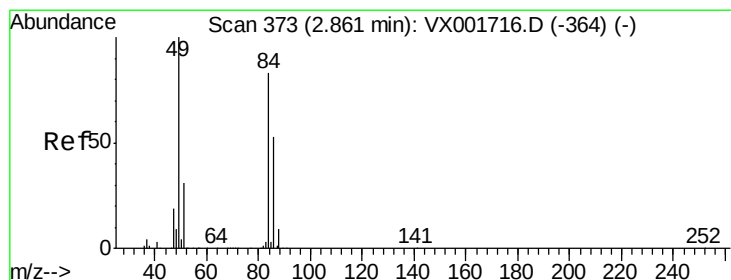
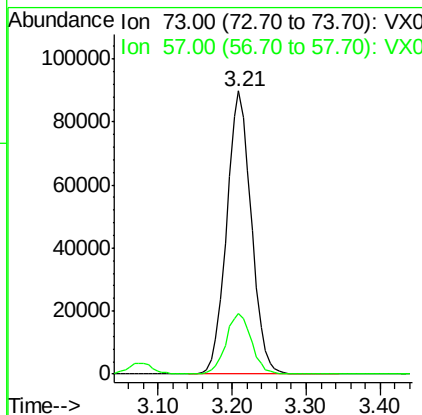
#19
Methyl tert-butyl Ether
Concen: 19.89 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tot Ion	73	Resp	207390
Ion Ratio	100	Lower	Upper
73	100		
57	21.2	17.5	26.3

Instrument :
MSVOA_X
ClientSampled :
VX0516WBS01

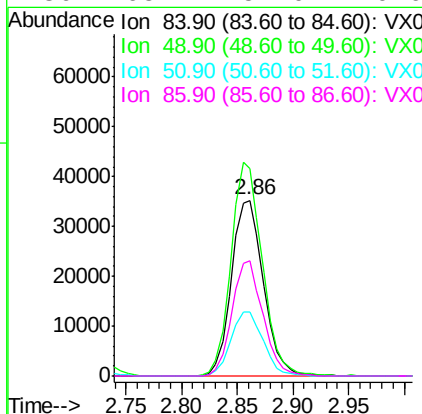
Manual Integrations
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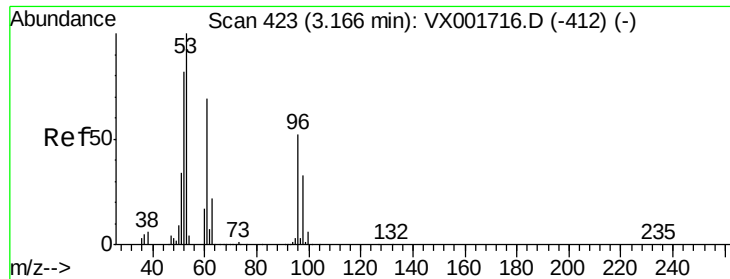
MMDadoda
5/17/2018 9:32:20 AM



#20
Methylene Chloride
Concen: 19.85 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion	84	Resp	69992
Ion Ratio	100	Lower	Upper
84	100		
49	117.3	96.3	144.5
51	36.7	29.8	44.6
86	65.4	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 19.03 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

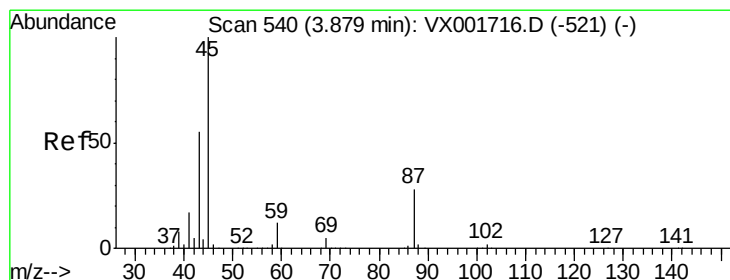
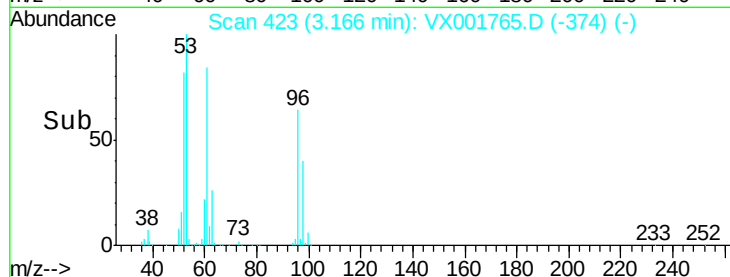
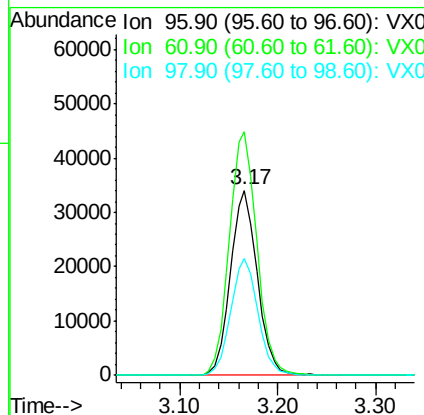
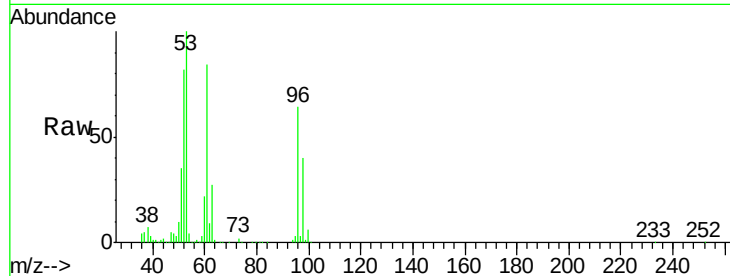
ClientSampleId :

VX0516WBS01

Tot Ion:	96	Resp:	64837
Ion	Ratio	Lower	Upper
96	100		
61	131.4	105.8	158.8
98	63.1	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.19 ug/l

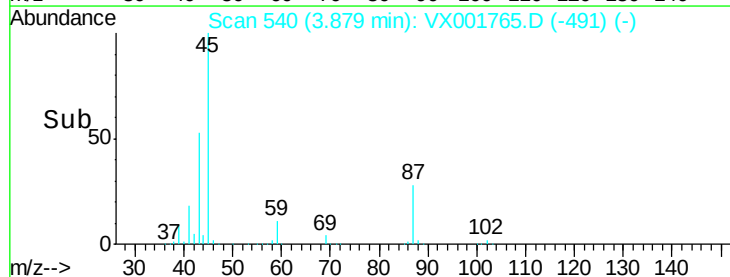
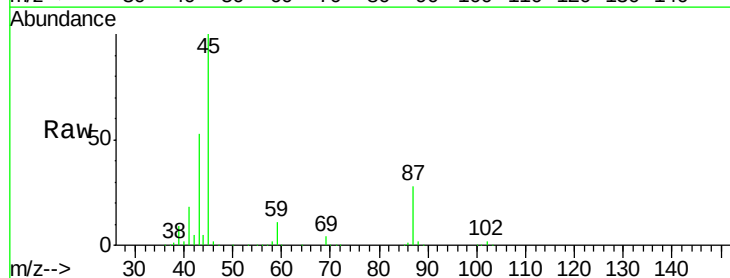
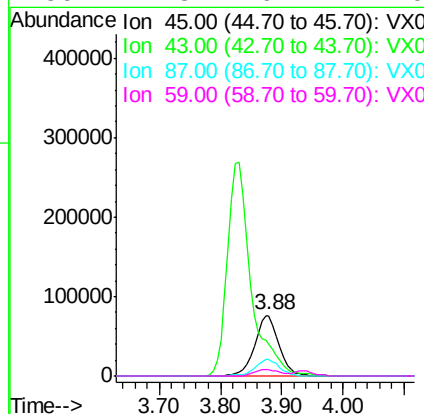
RT: 3.88 min Scan# 540

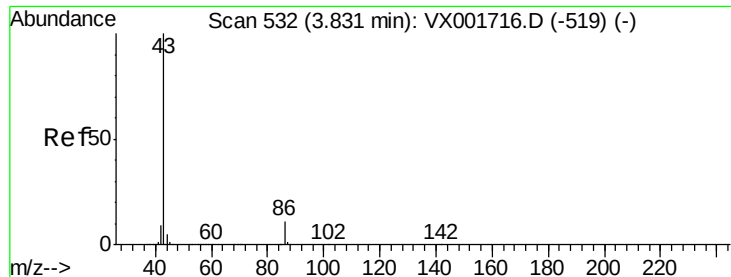
Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Tgt Ion:	45	Resp:	210443
Ion	Ratio	Lower	Upper
45	100		
43	53.0	44.3	66.5
87	27.8	22.6	33.8
59	11.3	9.4	14.0





#23

Vinyl Acetate

Concen: 91.59 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Tot Ion: 43 Resp: 723750

Ion Ratio Lower Upper

43 100

86 11.0 8.7 13.1

Instrument :

MSVOA_X

ClientSampleId :

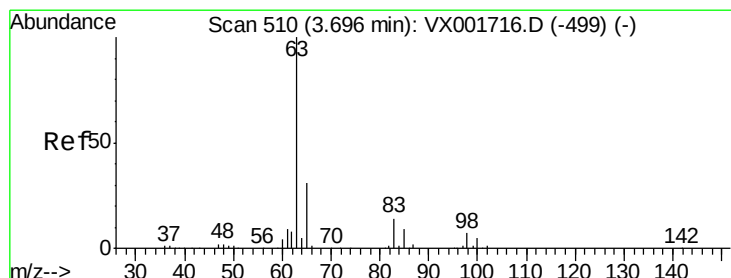
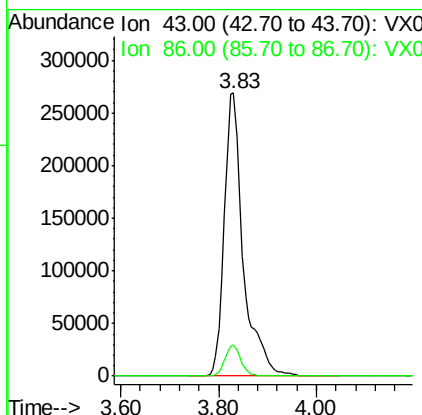
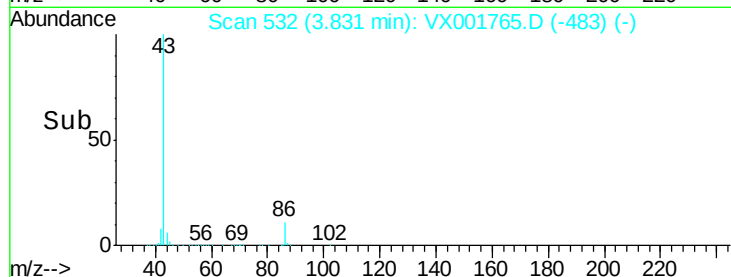
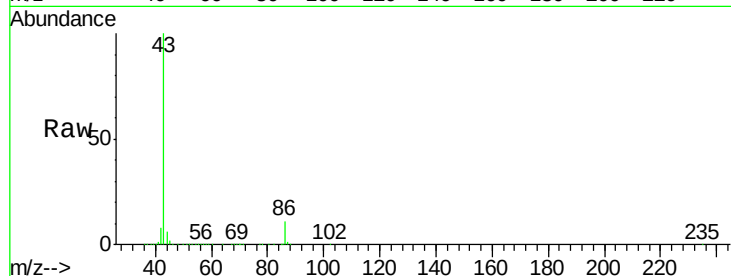
VX0516WBS01

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.23 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

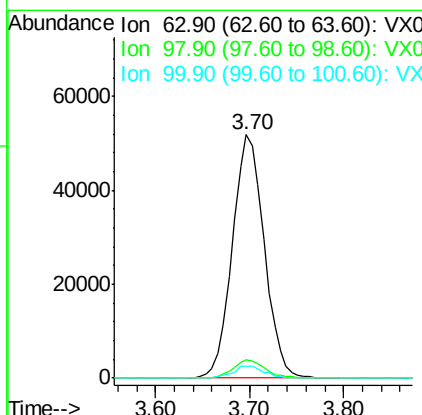
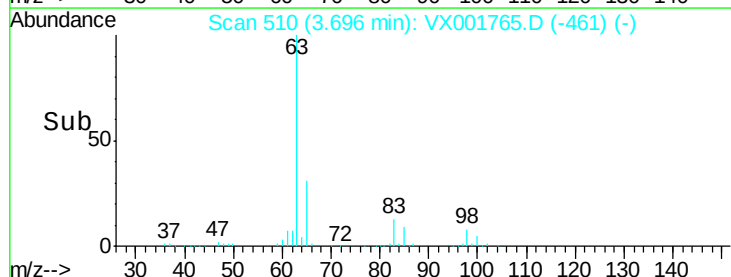
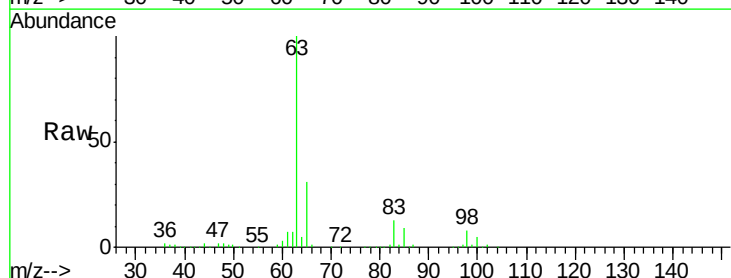
Tgt Ion: 63 Resp: 121699

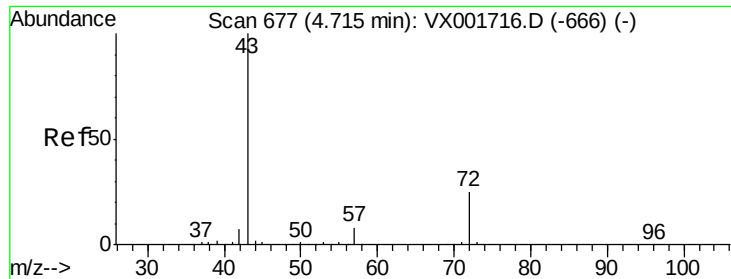
Ion Ratio Lower Upper

63 100

98 7.5 3.7 11.1

100 5.1 2.4 7.2





#25

2-Butanone

Concen: 102.04 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

ClientSampled :

VX0516WBS01

Tot Ion: 43 Resp: 257372

Ion Ratio Lower Upper

43 100

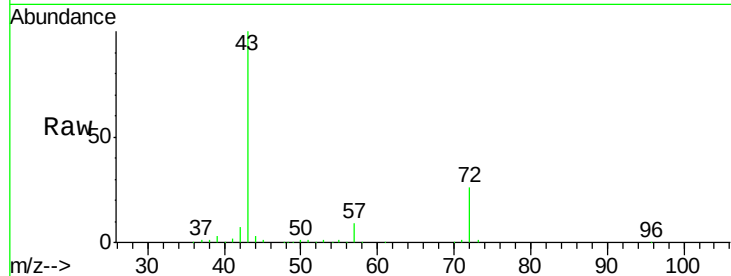
72 26.0 19.8 29.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

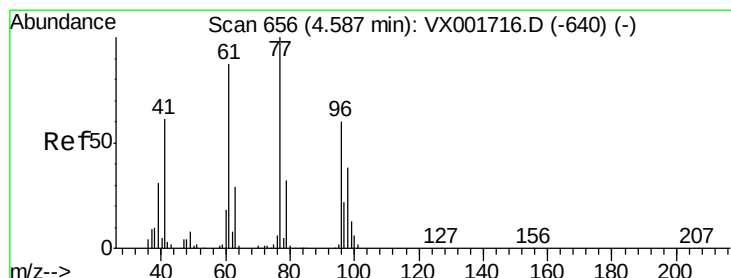
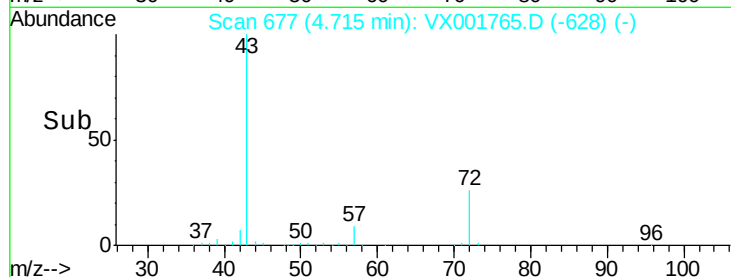
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 18.37 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001765.D

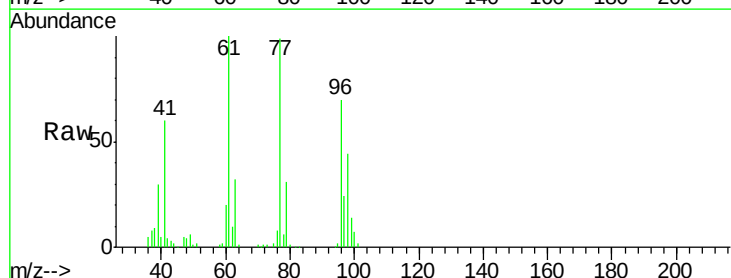
Acq: 16 May 2018 15:33

Tgt Ion: 77 Resp: 88970

Ion Ratio Lower Upper

77 100

97 23.8 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

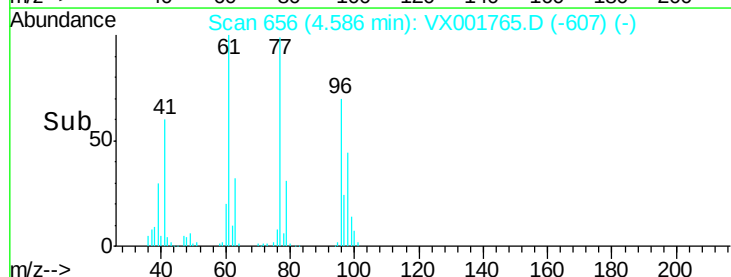
20000

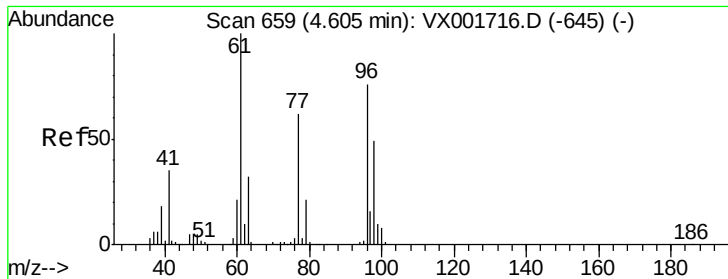
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

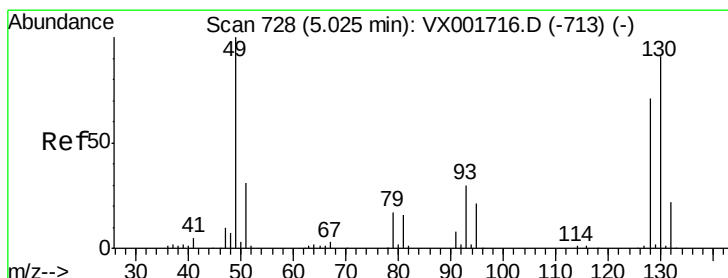
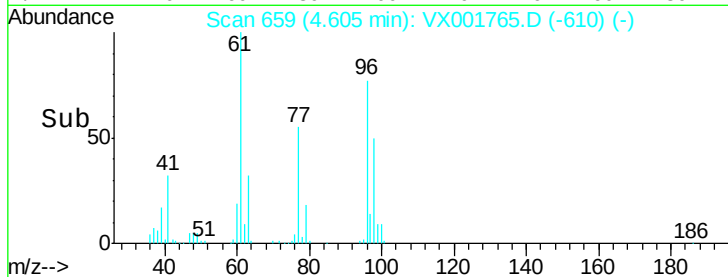
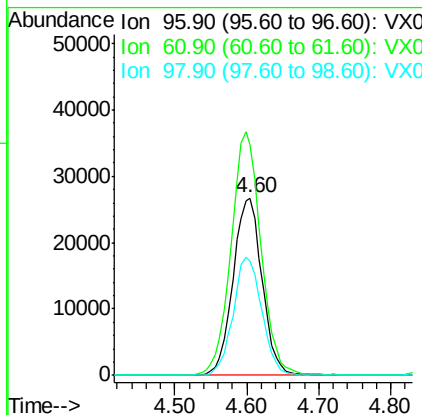
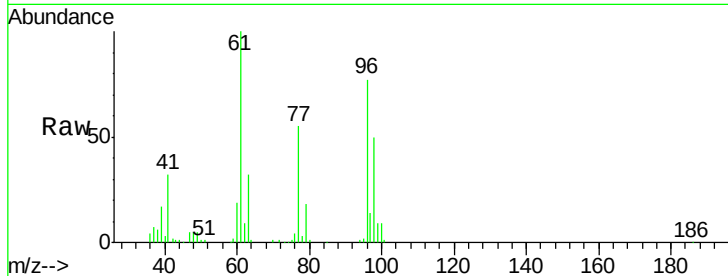
cis-1,2-Dichloroethene
Concen: 19.27 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	280.4
98	65.9	0.0	128.4

Manual Integrations
APPROVED

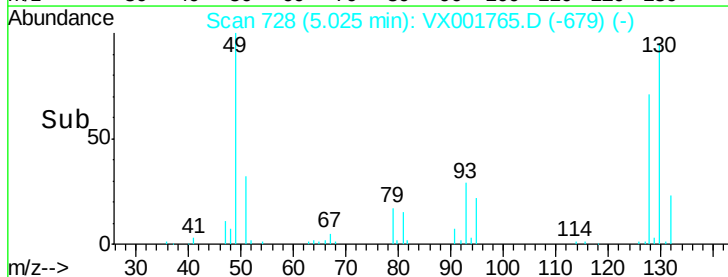
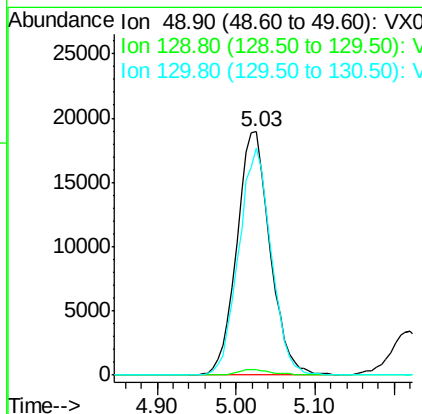
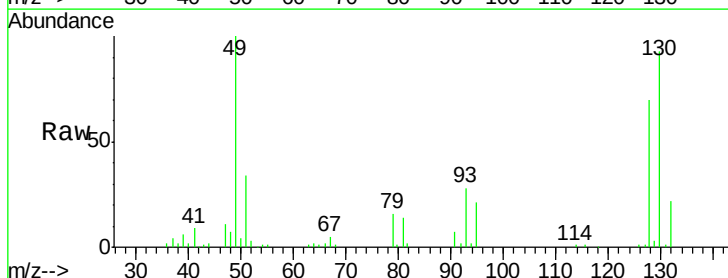
MMDadoda
5/17/2018 9:32:20 AM

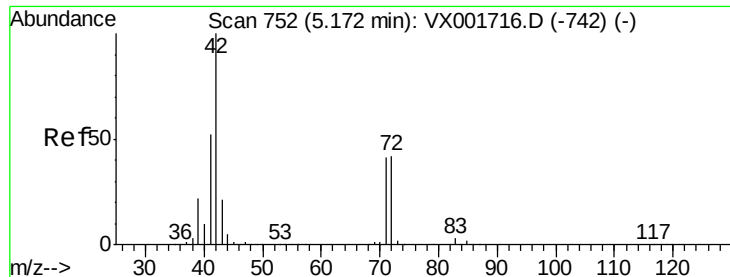


#28

Bromochloromethane
Concen: 20.82 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.0
130	90.8	71.8	107.6





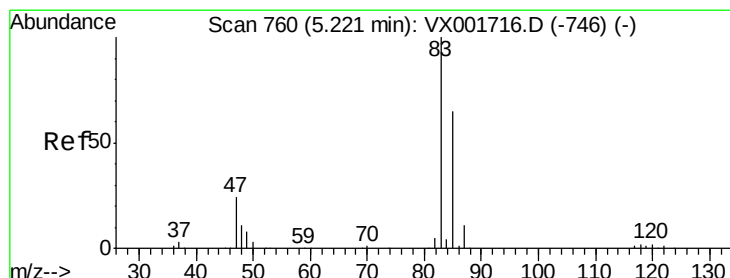
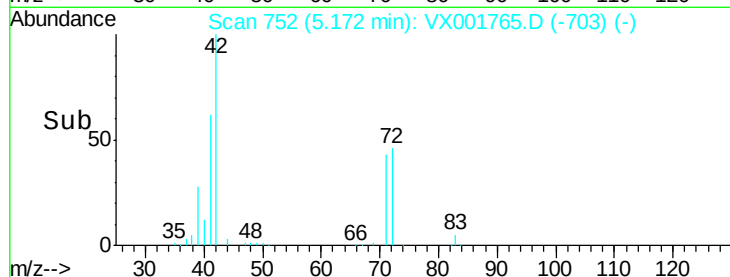
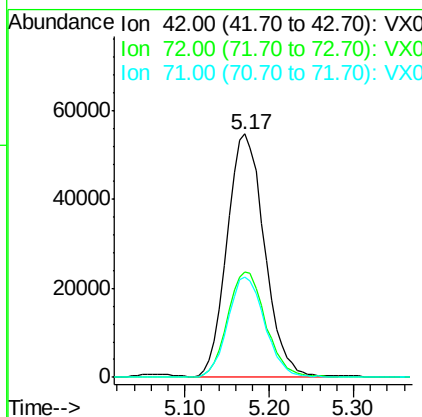
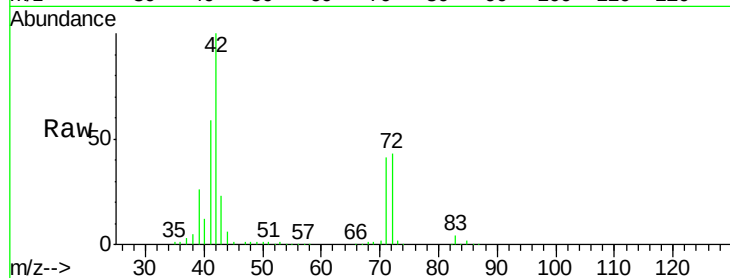
#29
Tetrahydrofuran
Concen: 99.94 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.4	53.2
71	41.1	33.2	49.8

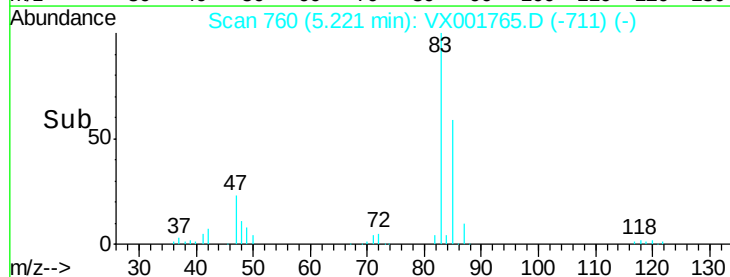
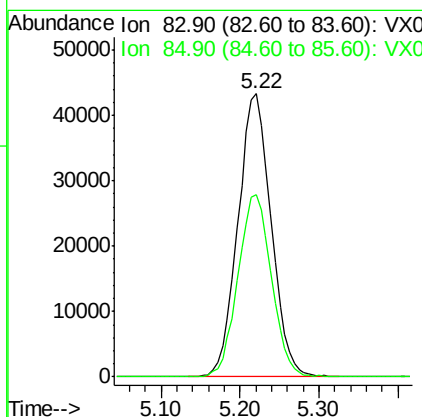
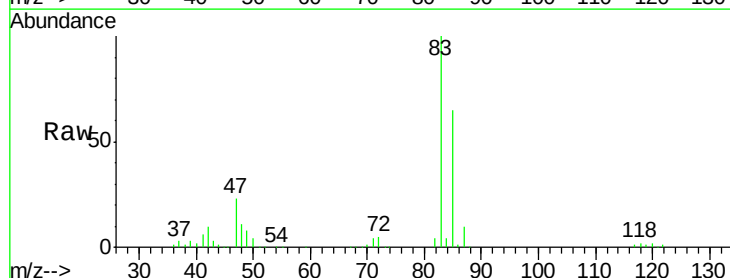
Manual Integrations
APPROVED

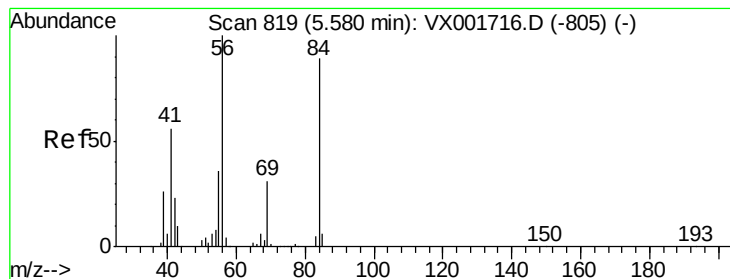
MMDadoda
5/17/2018 9:32:20 AM



#30
Chloroform
Concen: 20.06 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.3	78.5





#31

Cyclohexane

Concen: 20.40 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 56 Resp: 107534

Ion Ratio Lower Upper

56 100

69 30.8 25.0 37.6

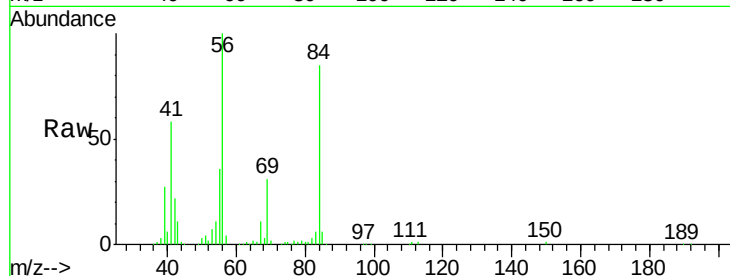
84 84.0 71.0 106.4

Manual Integrations

APPROVED

MMDadoda

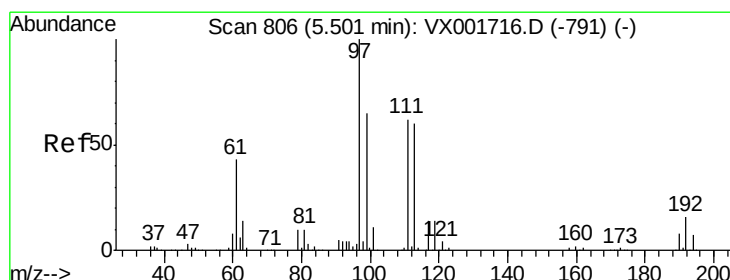
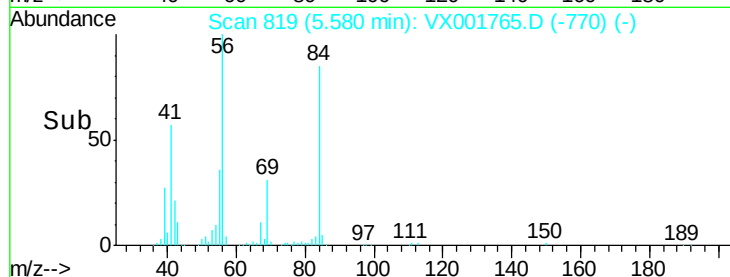
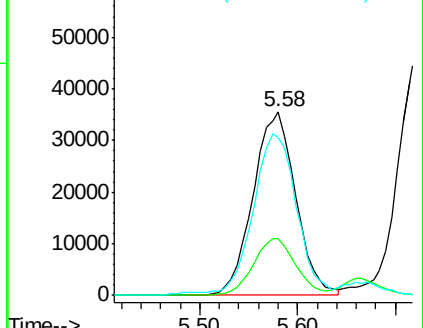
5/17/2018 9:32:20 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.10 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

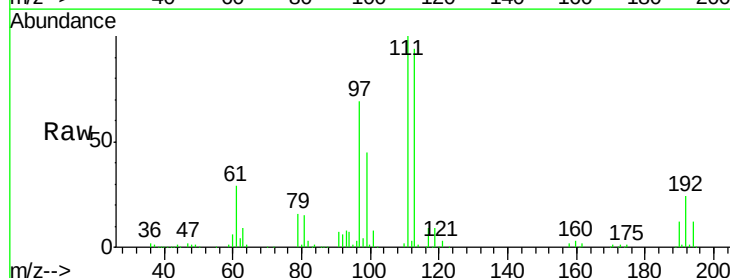
Tgt Ion: 97 Resp: 109709

Ion Ratio Lower Upper

97 100

99 64.7 51.3 76.9

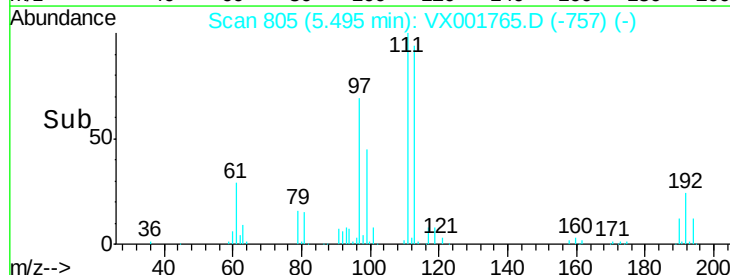
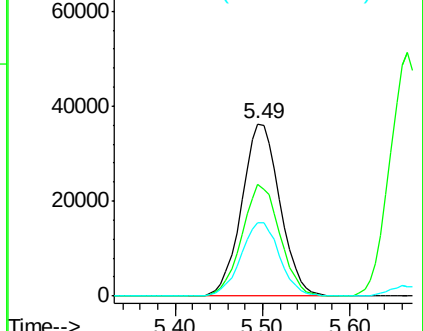
61 43.4 34.0 51.0

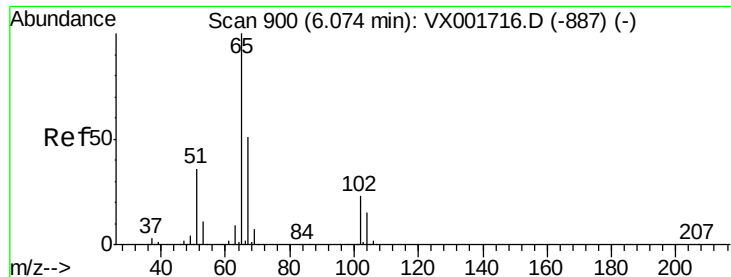


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





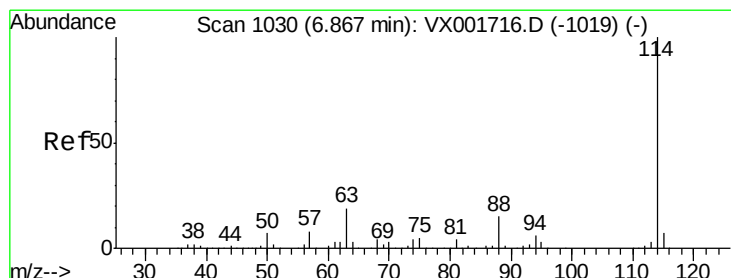
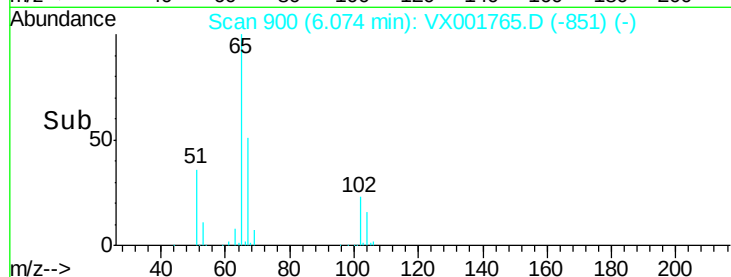
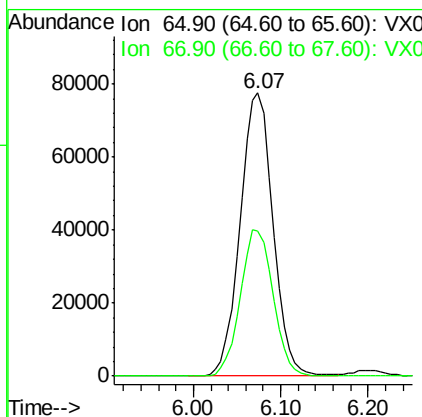
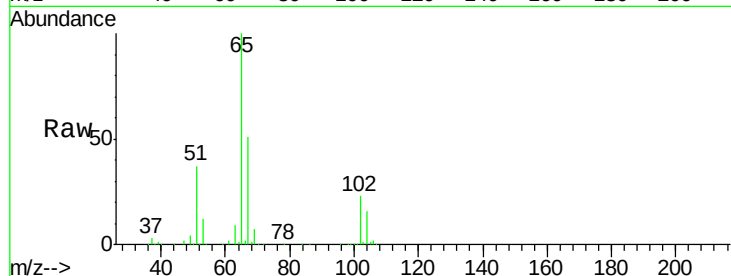
#33
 1,2-Dichloroethane-d4
 Concen: 48.18 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001765.D
 Acq: 16 May 2018 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	202093		
67	51.9	0.0	102.8	

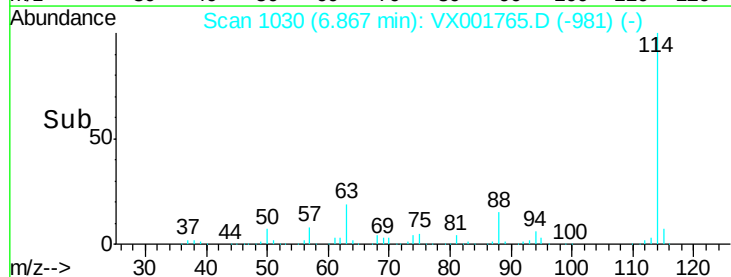
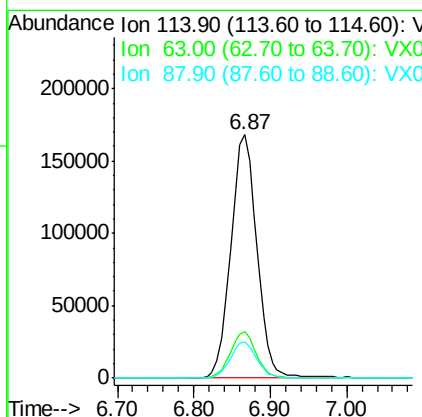
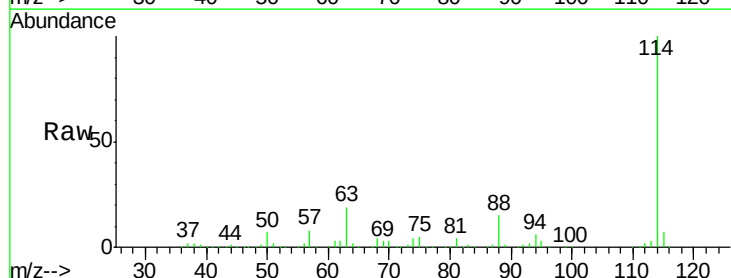
Manual Integrations
 APPROVED

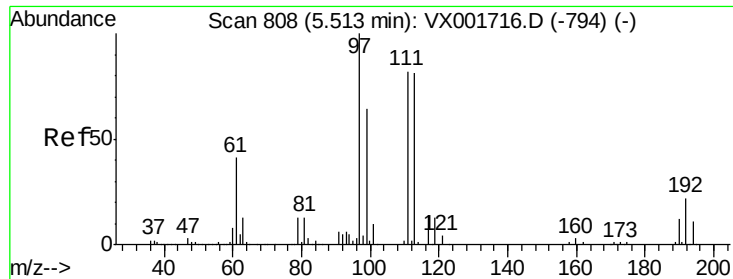
MMDadoda
 5/17/2018 9:32:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001765.D
 Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	397997		
63	18.9	0.0	37.0	
88	15.1	0.0	29.8	





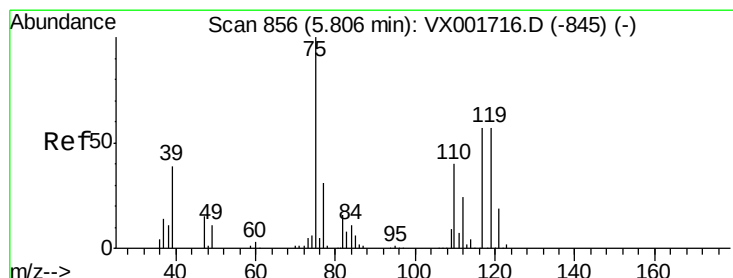
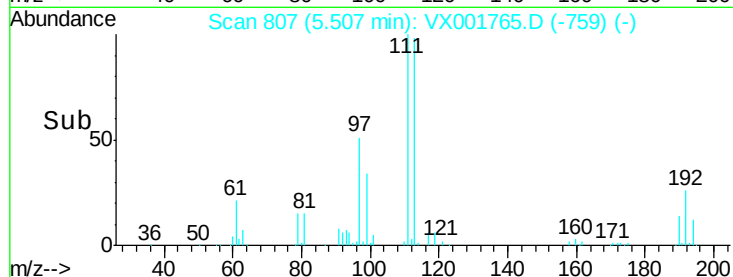
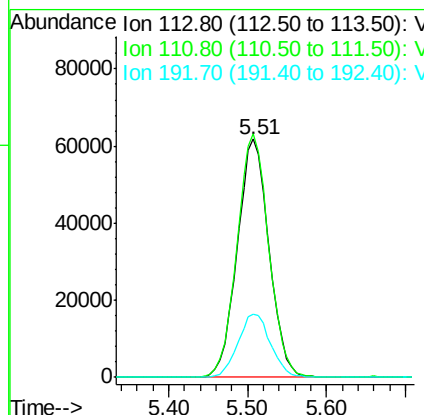
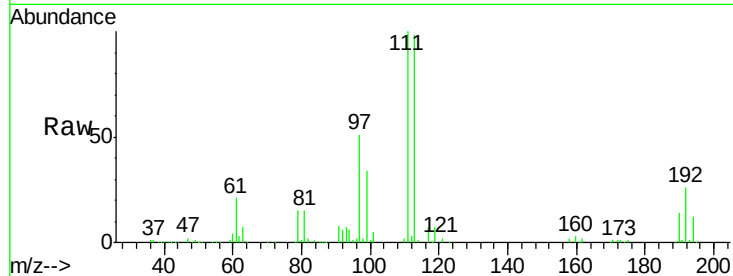
#35
 Dibromofluoromethane
 Concen: 51.38 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001765.D
 Acq: 16 May 2018 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	172581		
111	102.2	82.0	123.0	
192	27.3	21.6	32.4	

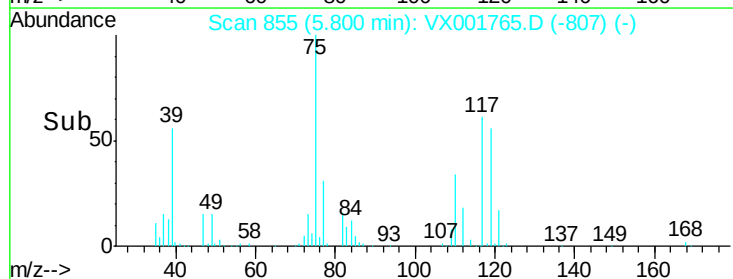
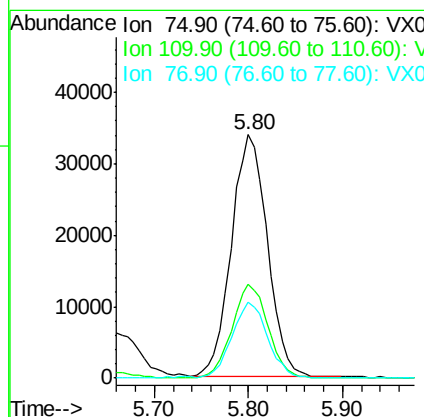
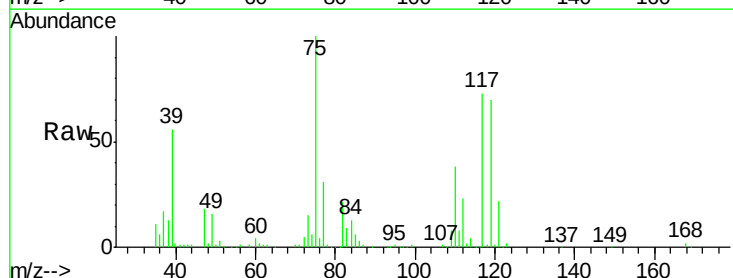
Manual Integrations
 APPROVED

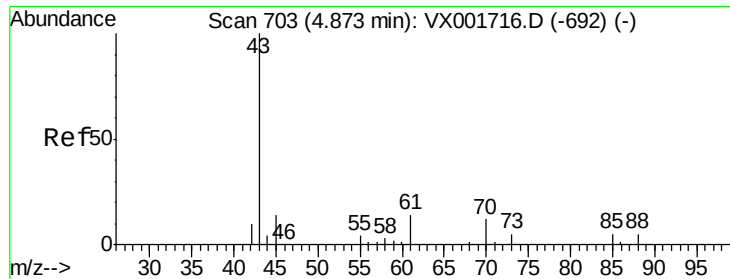
MMDadoda
 5/17/2018 9:32:20 AM



#36
 1,1-Dichloropropene
 Concen: 19.79 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX001765.D
 Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	90682		
110	38.5	19.1	57.1	
77	31.1	24.6	37.0	





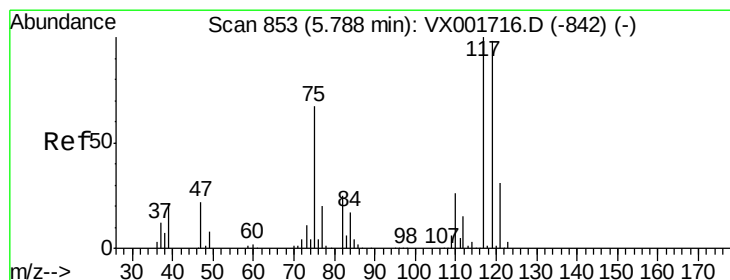
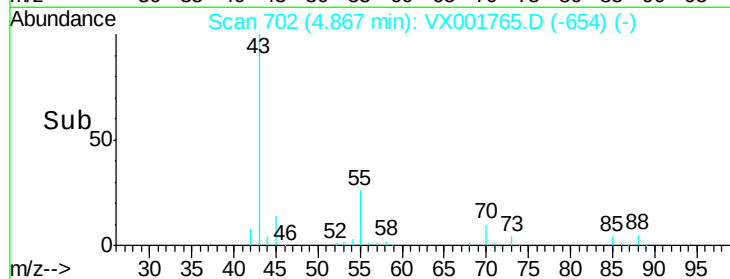
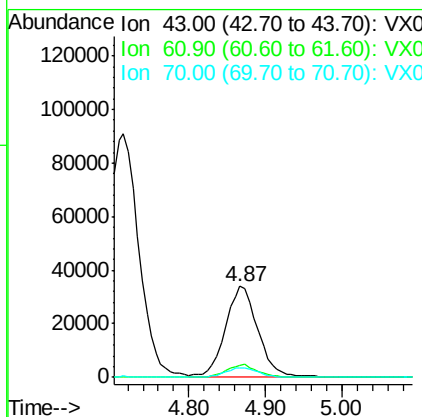
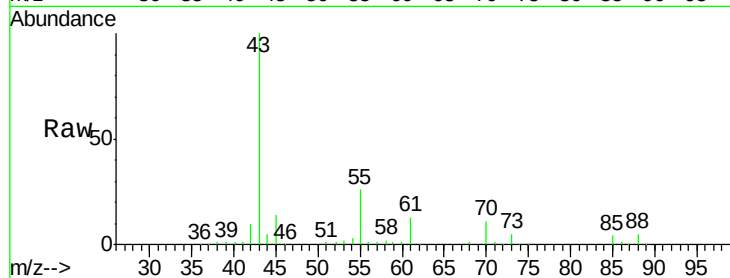
#37
Ethyl Acetate
Concen: 20.56 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	10.8	8.8	13.2

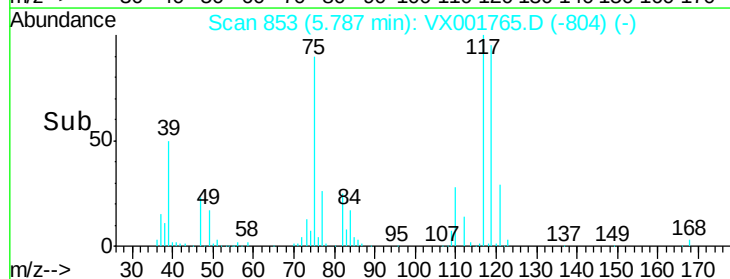
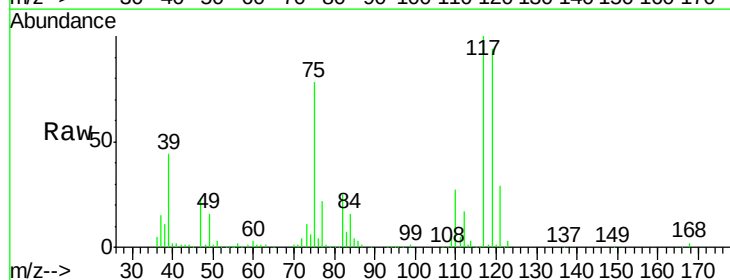
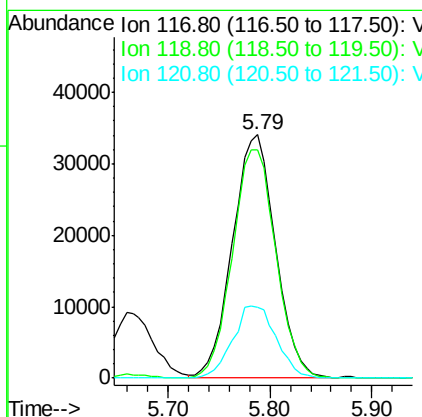
Manual Integrations
APPROVED

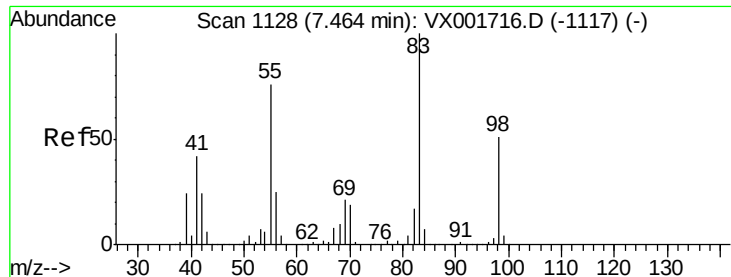
MMDadoda
5/17/2018 9:32:20 AM



#38
Carbon Tetrachloride
Concen: 20.62 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.6	116.4
121	29.3	24.6	36.8





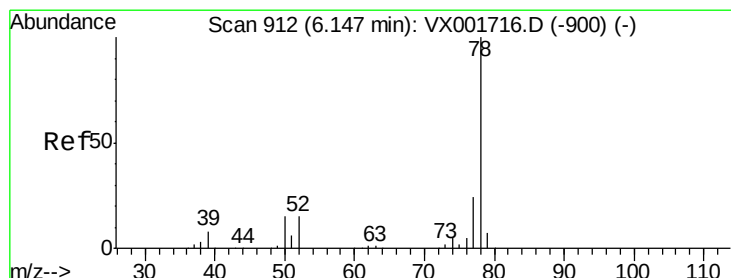
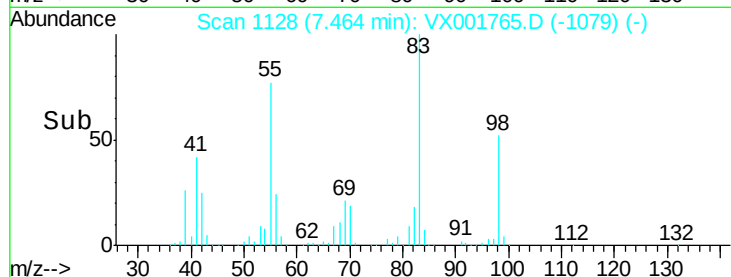
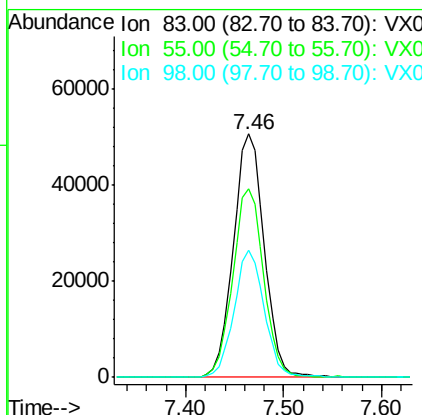
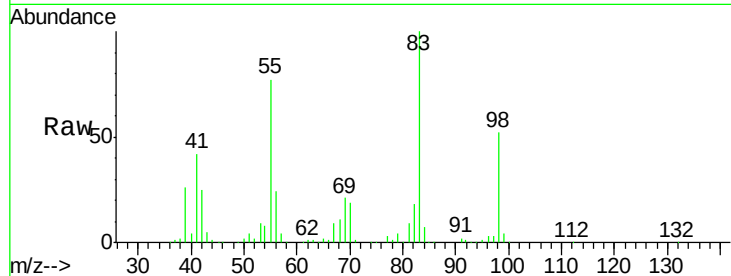
#39
Methylvlcyclohexane
Concen: 20.75 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	83.00	Resp	111091
Ion Ratio	Lower	Upper	
83	100		
55	77.5	60.6	90.8
98	52.0	40.4	60.6

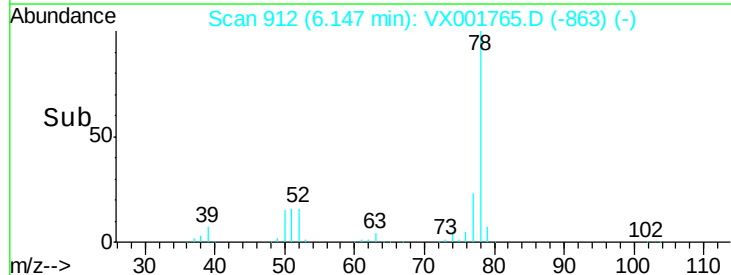
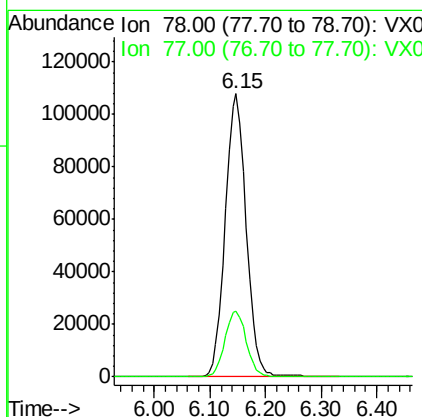
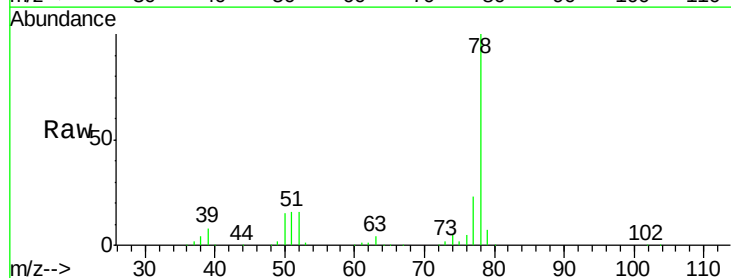
Manual Integrations
APPROVED

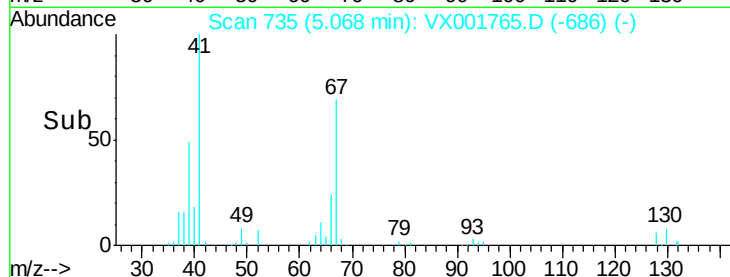
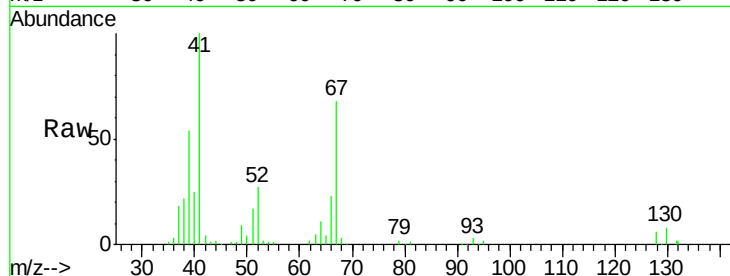
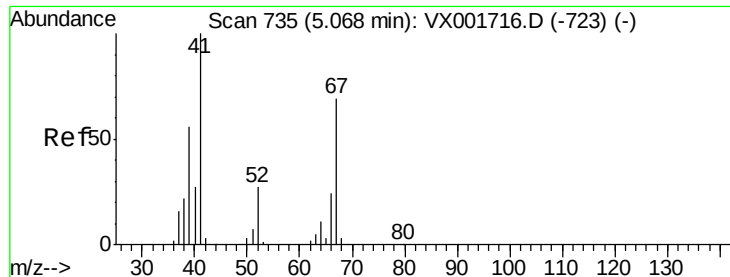
MMDadoda
5/17/2018 9:32:20 AM



#40
Benzene
Concen: 20.89 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion	78.00	Resp	281962
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.0	28.4





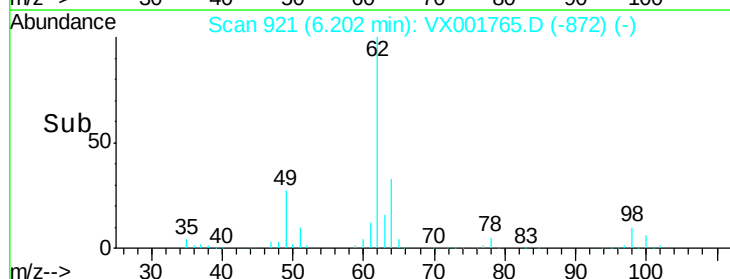
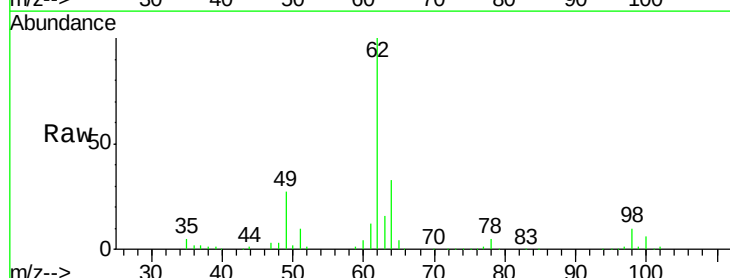
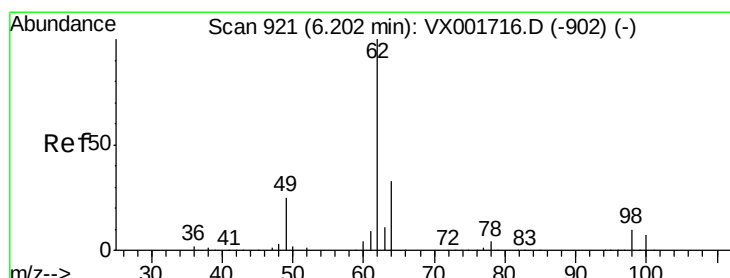
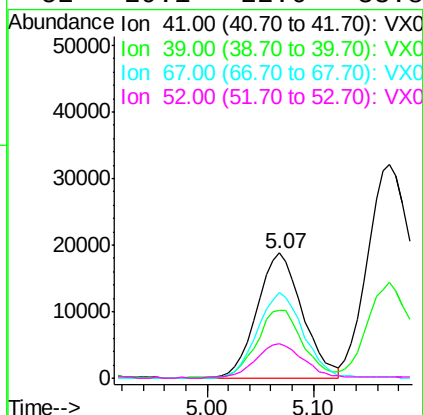
#41
Methacrylonitrile
Concen: 20.29 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tot Ion	Ion	Ratio	Lower	Upper
56014	41	100		
	39	54.4	44.2	66.4
	67	69.4	56.0	84.0
	52	29.1	22.6	33.8

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

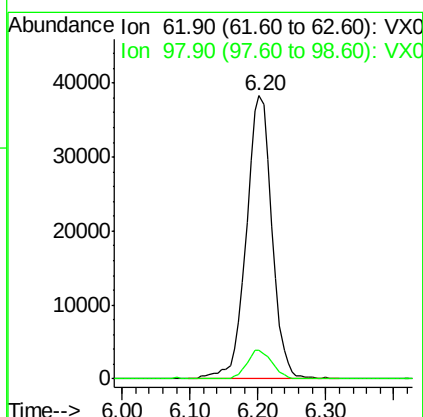
Manual Integrations
APPROVED

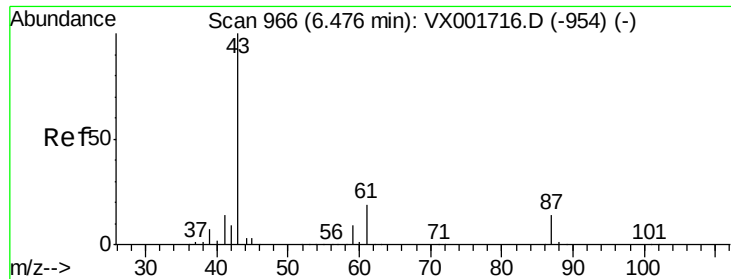
MMDadoda
5/17/2018 9:32:20 AM



#42
1,2-Dichloroethane
Concen: 20.61 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion	Ion	Ratio	Lower	Upper
100637	62	100		
	98	10.0	0.0	20.0





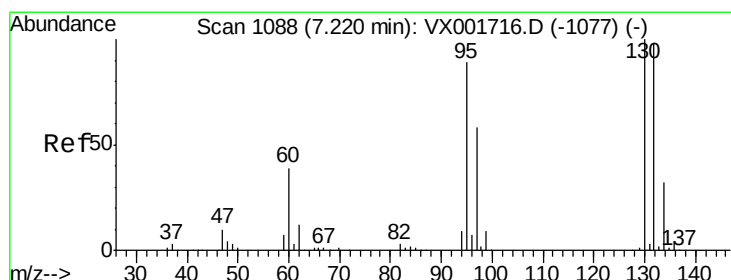
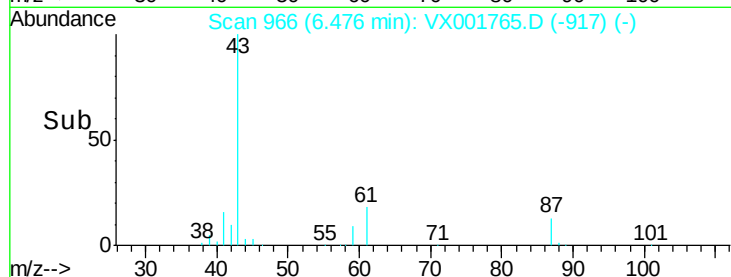
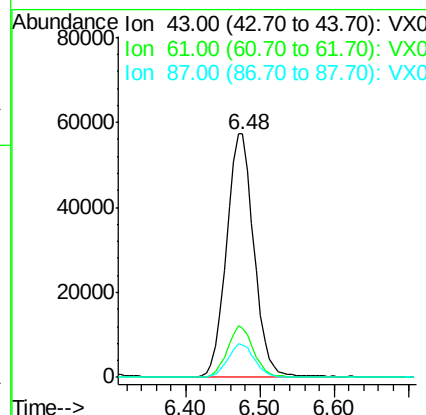
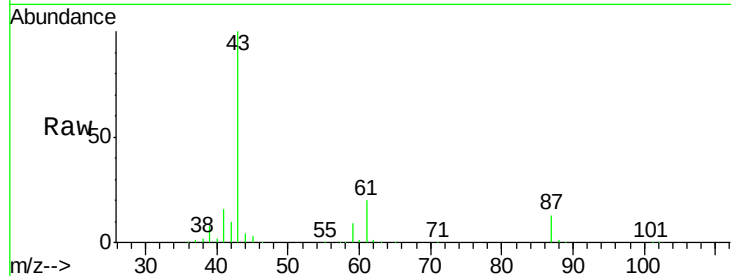
#43
Isopropyl Acetate
Concen: 19.57 ug/l
RT: 6.48 min Scan# 966
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	15.8	23.8
87	13.6	11.0	16.4

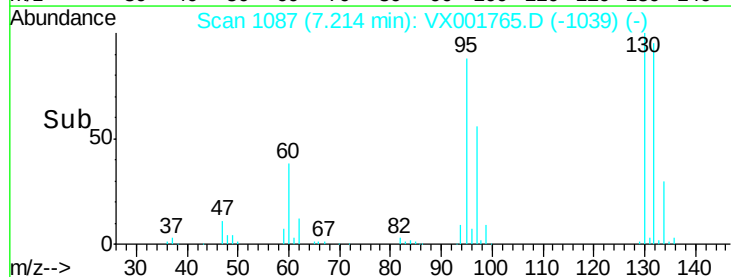
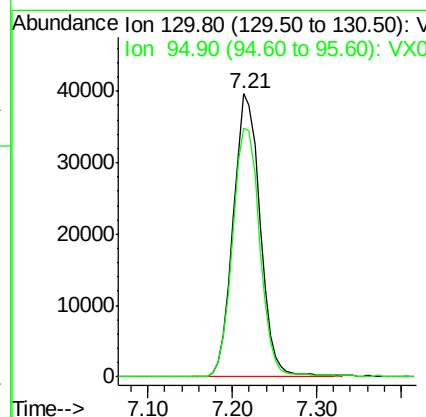
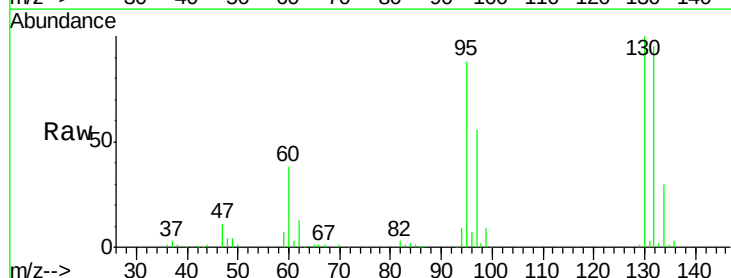
Manual Integrations
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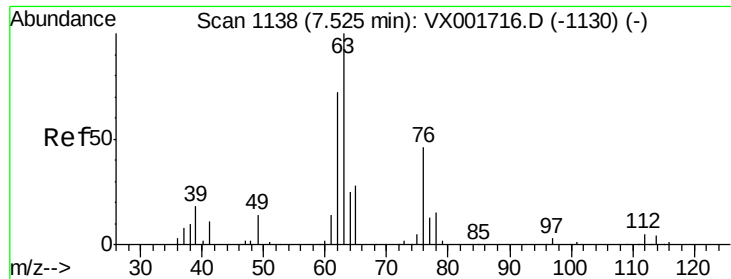
MMDadoda
5/17/2018 9:32:20 AM



#44
Trichloroethene
Concen: 20.42 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.01 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.0	0.0	177.2





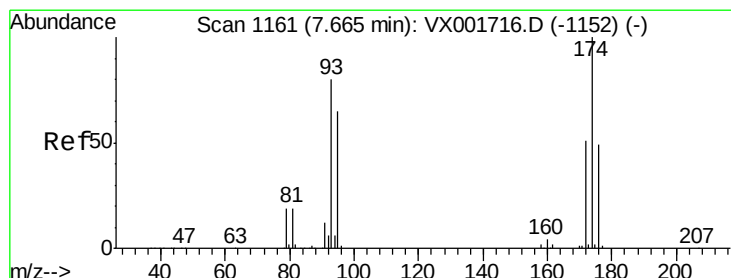
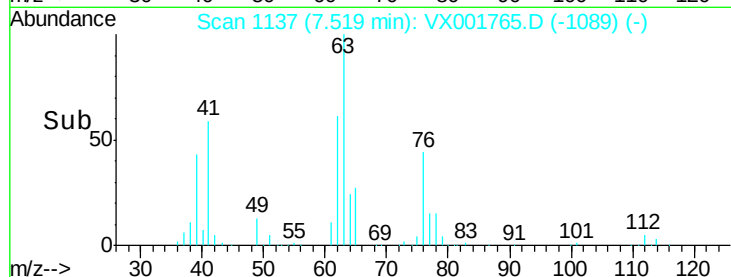
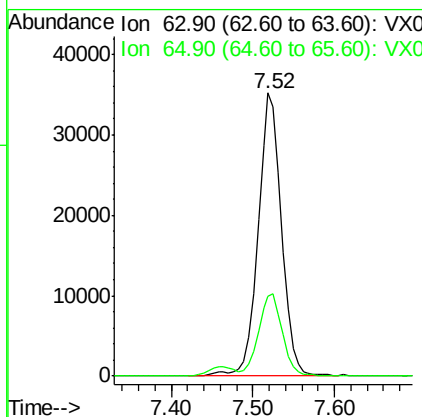
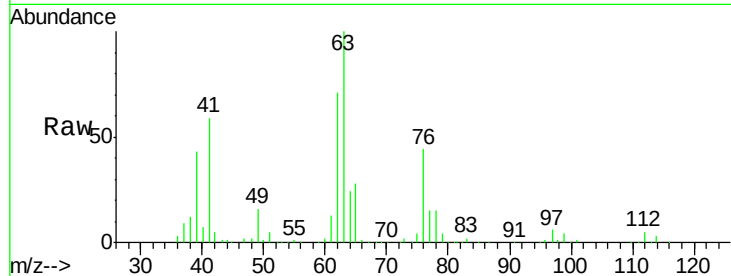
#45
 1,2-Dichloropropane
 Concen: 21.39 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX001765.D
 Acq: 16 May 2018 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion: 63 Resp: 70854
 Ion Ratio Lower Upper
 63 100
 65 28.4 24.2 36.2

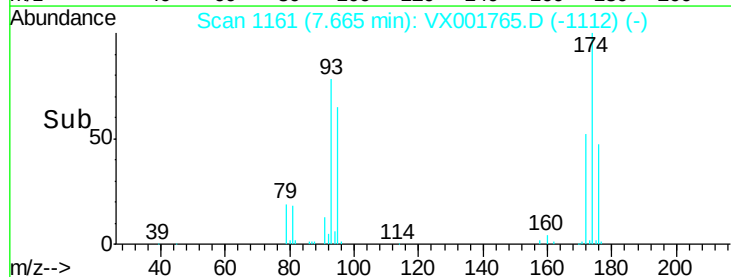
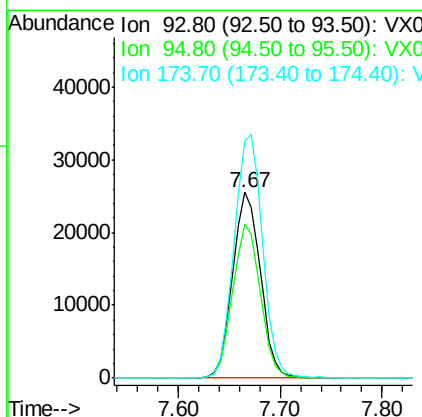
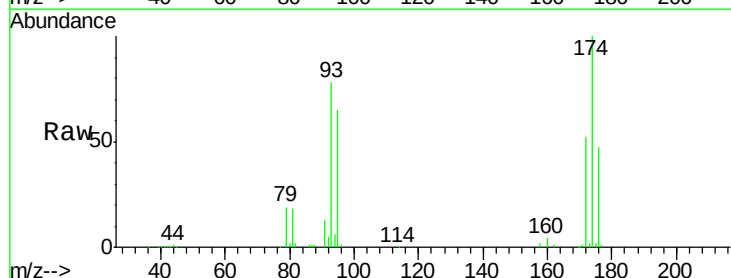
Manual Integrations
 APPROVED

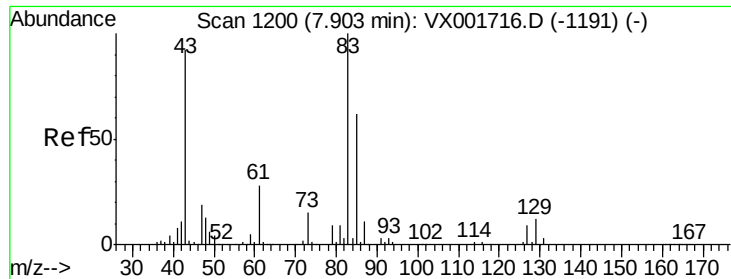
MMDadoda
 5/17/2018 9:32:20 AM



#46
 Dibromomethane
 Concen: 20.74 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX001765.D
 Acq: 16 May 2018 15:33

Tgt Ion: 93 Resp: 48228
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.9 98.9
 174 133.7 106.2 159.2





#47

Bromodichloromethane

Concen: 20.79 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

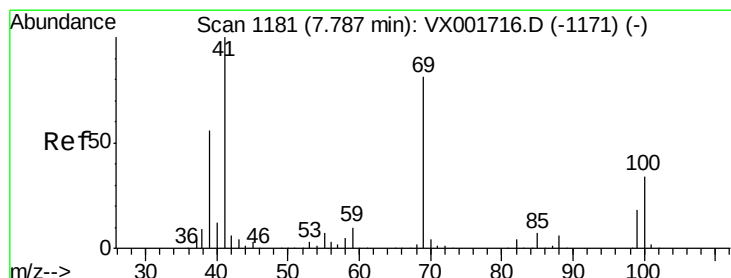
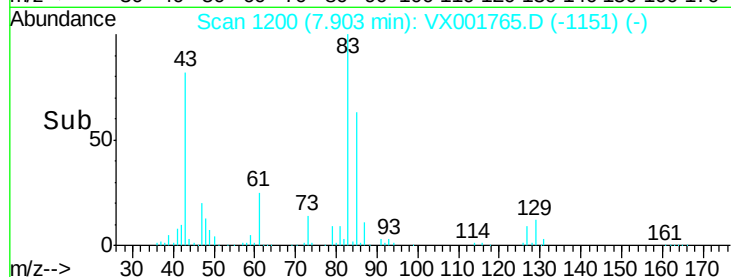
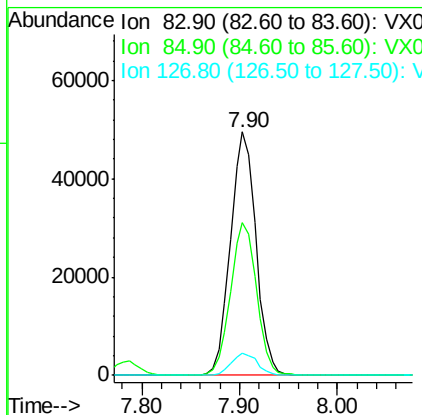
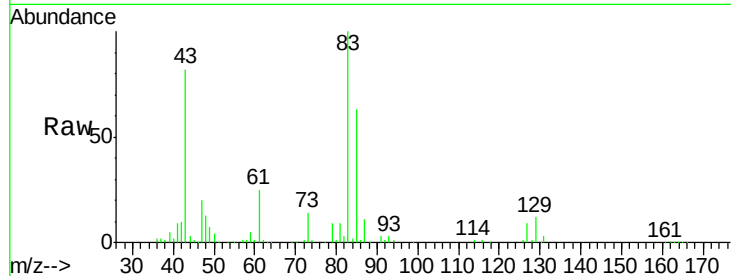
ClientSampleId :

VX0516WBS01

Tot Ion:	83	Resp:	89709
Ion	Ratio	Lower	Upper
83	100		
85	63.0	49.6	74.4
127	9.2	7.5	11.3

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 20.06 ug/l

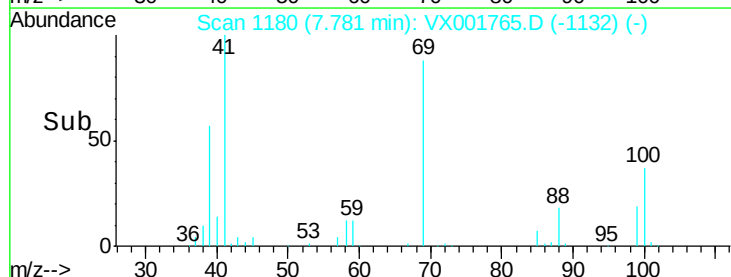
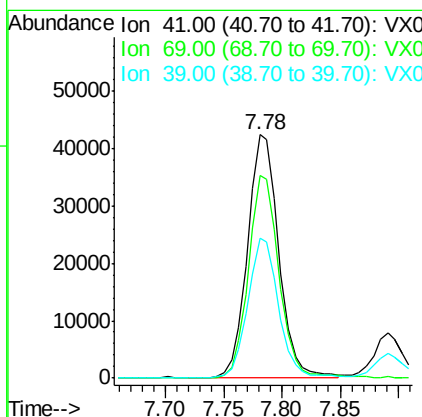
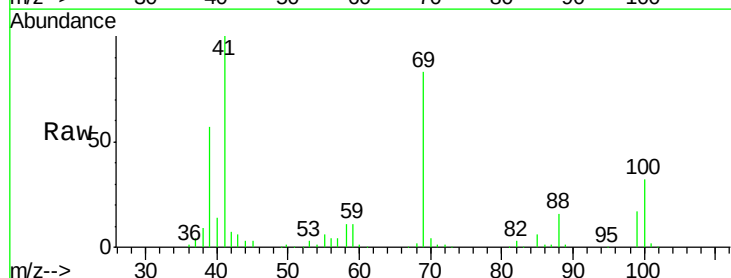
RT: 7.78 min Scan# 1180

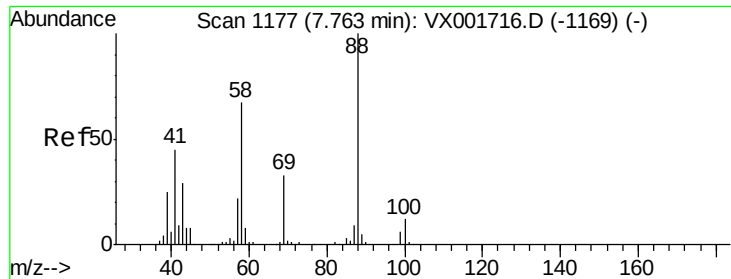
Delta R.T. -0.01 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Tgt Ion:	41	Resp:	78891
Ion	Ratio	Lower	Upper
41	100		
69	82.7	65.2	97.8
39	56.8	44.5	66.7





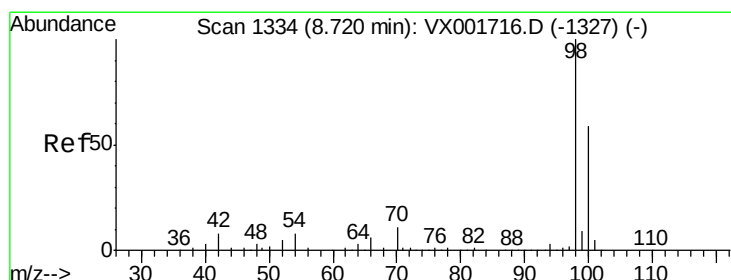
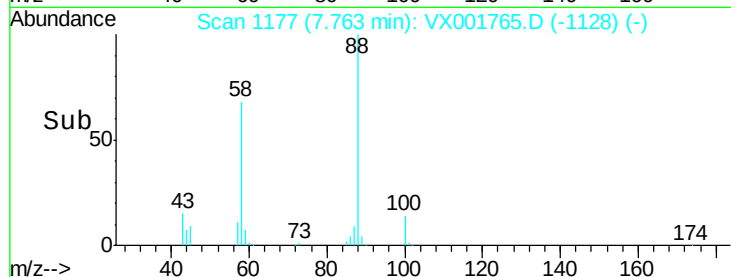
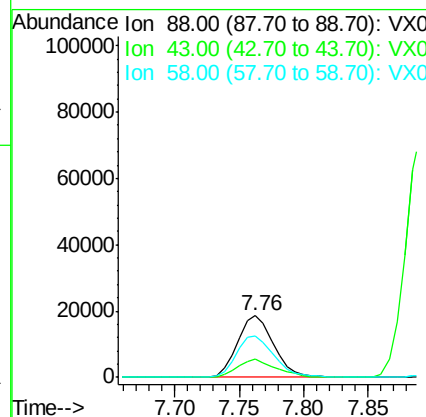
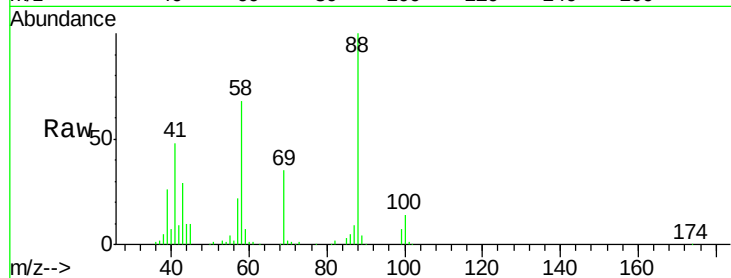
#49
1,4-Dioxane
Concen: 476.63 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	27.3	40.9
58	69.9	55.9	83.9

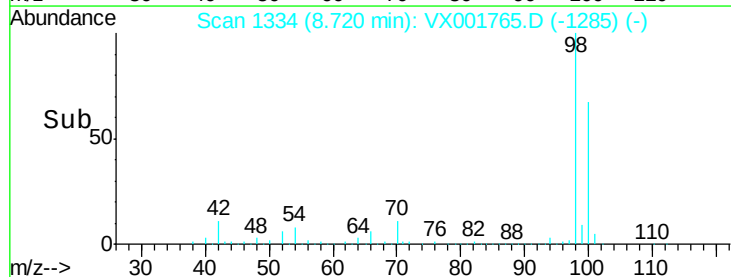
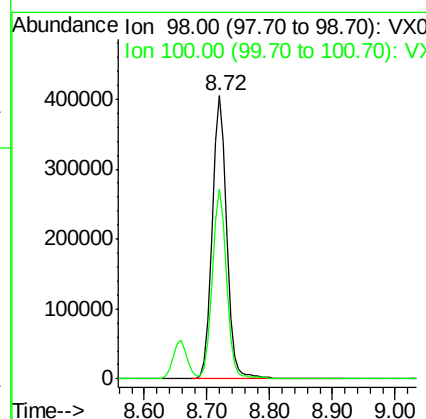
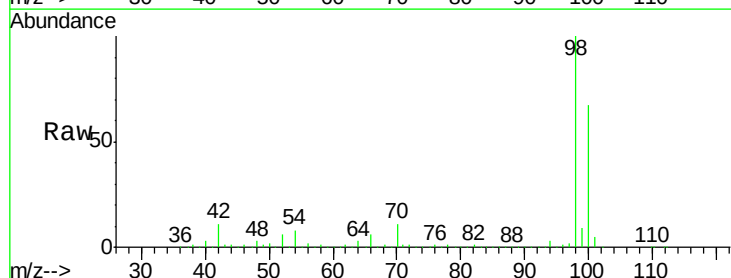
Manual Integrations
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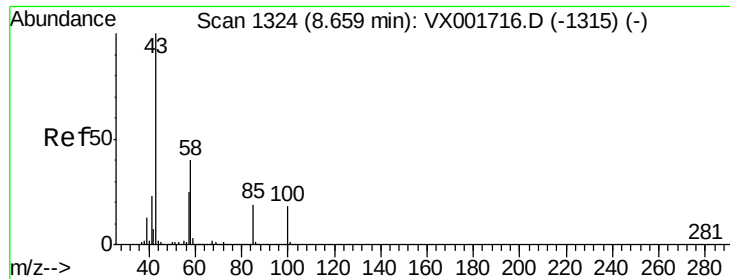
MMDadoda
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#50
Toluene-d8
Concen: 53.82 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	54.0	81.0





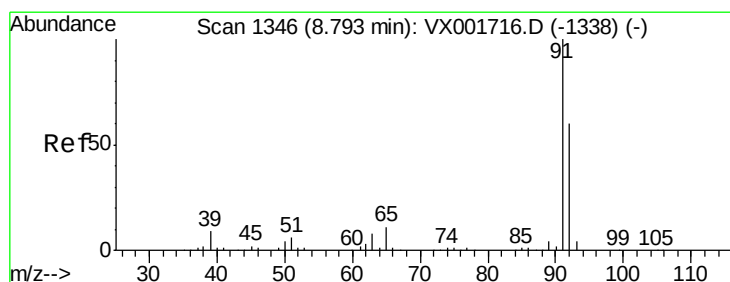
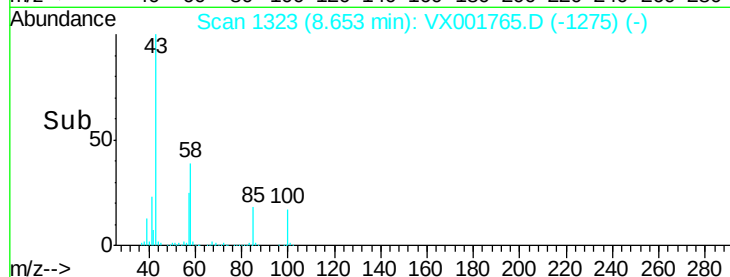
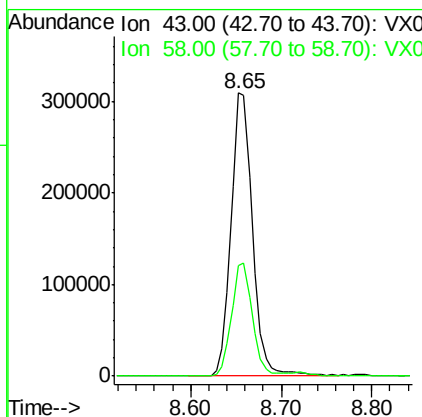
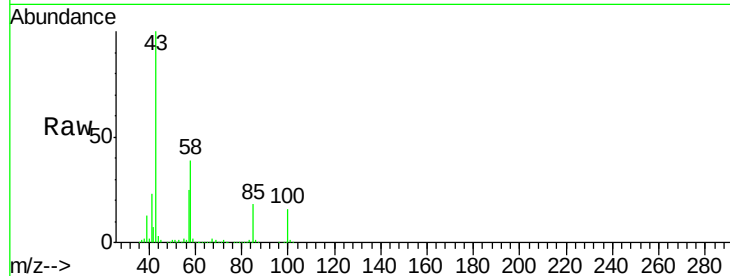
#51
4-Methyl-2-Pentanone
Concen: 107.67 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.5	31.4	47.0

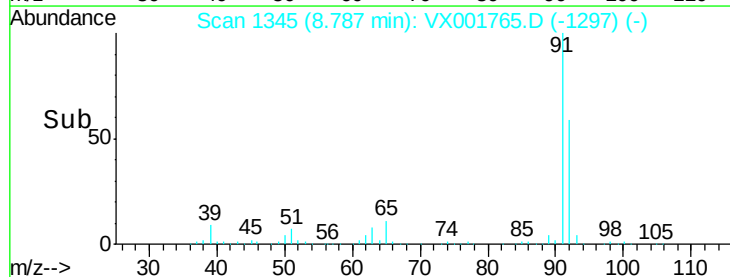
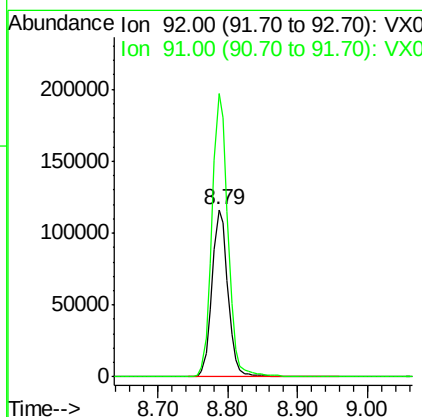
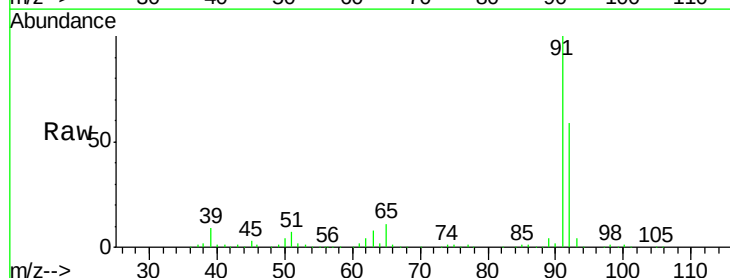
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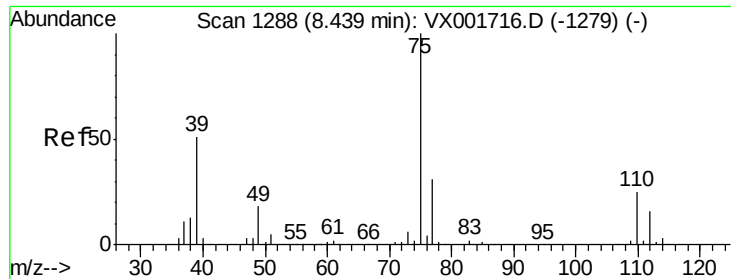
MMDadoda
5/17/2018 9:32:20 AM



#52
Toluene
Concen: 21.36 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.5	135.5	203.3





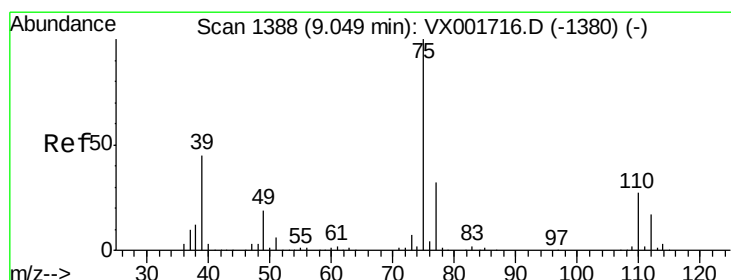
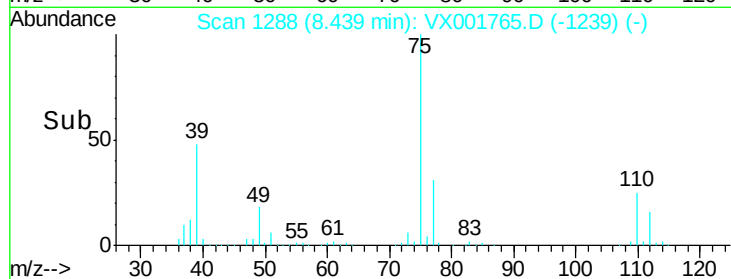
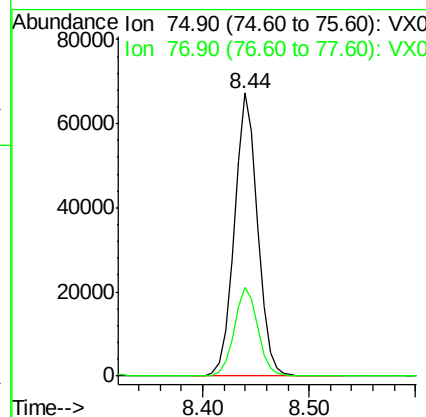
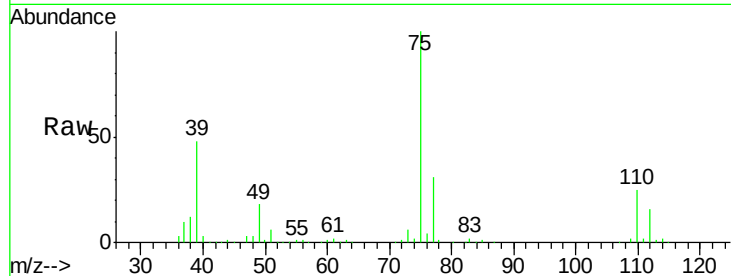
#53
t-1,3-Dichloropropene
Concen: 20.19 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion: 75 Resp: 102552
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.6

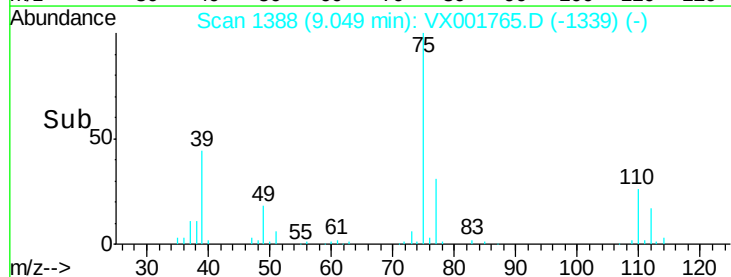
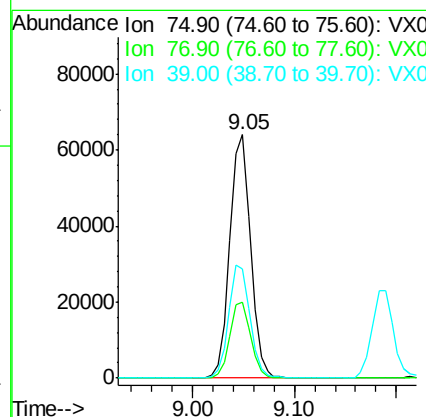
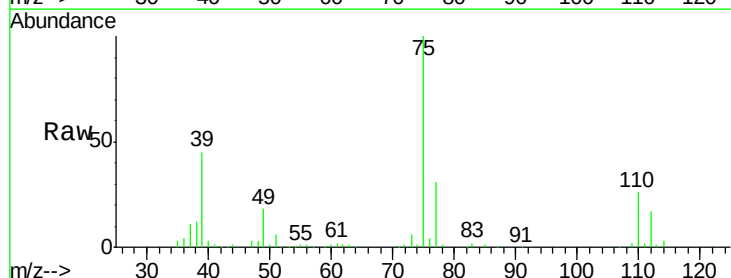
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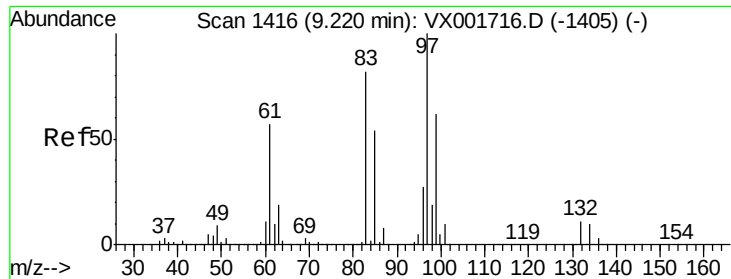
MMDadoda
5/17/2018 9:32:20 AM



#54
cis-1,3-Dichloropropene
Concen: 20.21 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion: 75 Resp: 90487
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.2
39 44.7 36.1 54.1





#55

1,1,2-Trichloroethane

Concen: 21.91 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

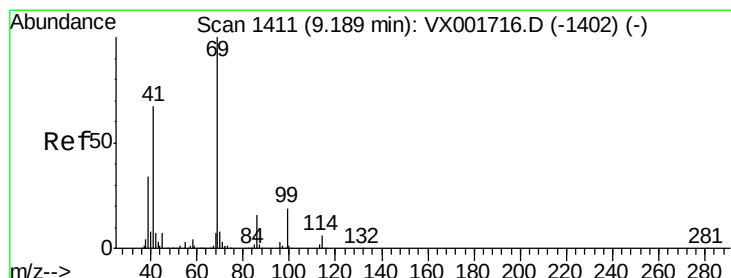
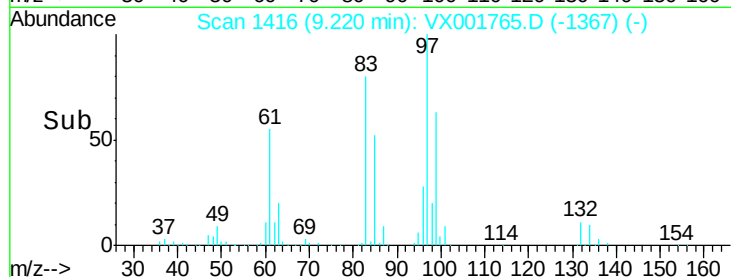
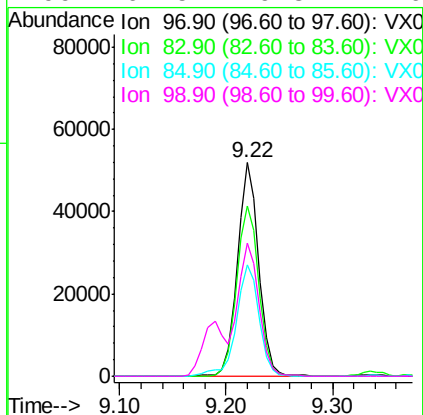
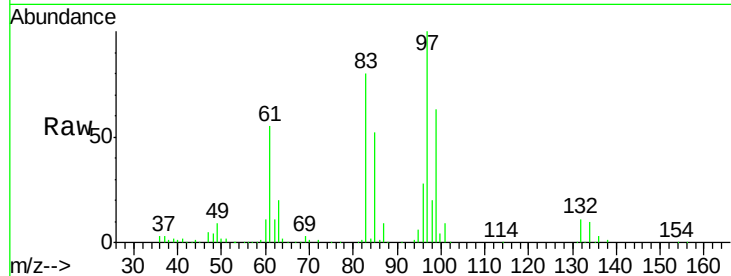
ClientSampleId :

VX0516WBS01

Tot Ion:	97	Resp:	72657
Ion	Ratio	Lower	Upper
97	100		
83	79.7	65.8	98.8
85	52.4	43.4	65.0
99	62.5	49.8	74.6

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#56

Ethyl methacrylate

Concen: 20.65 ug/l

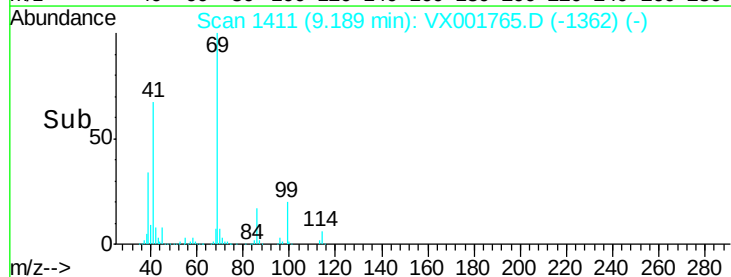
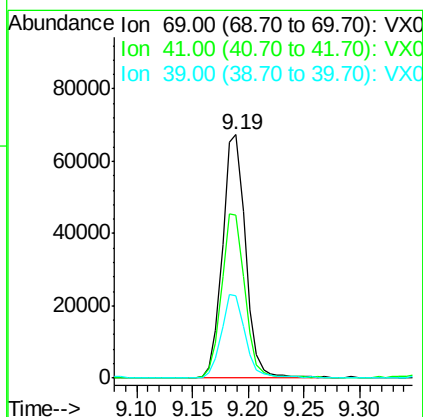
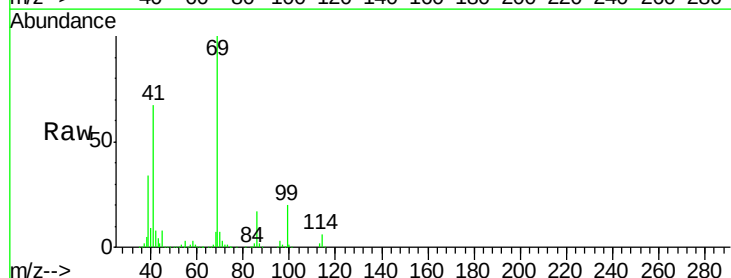
RT: 9.19 min Scan# 1411

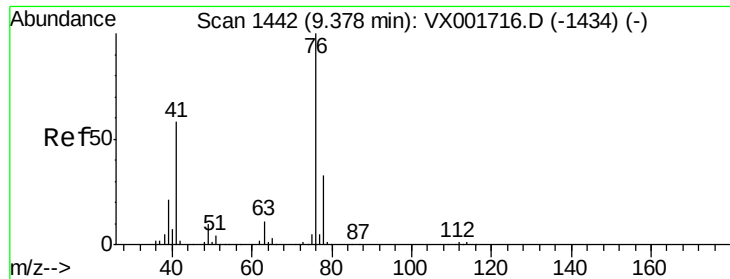
Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Tgt Ion:	69	Resp:	97102
Ion	Ratio	Lower	Upper
69	100		
41	68.6	53.5	80.3
39	35.1	27.2	40.8





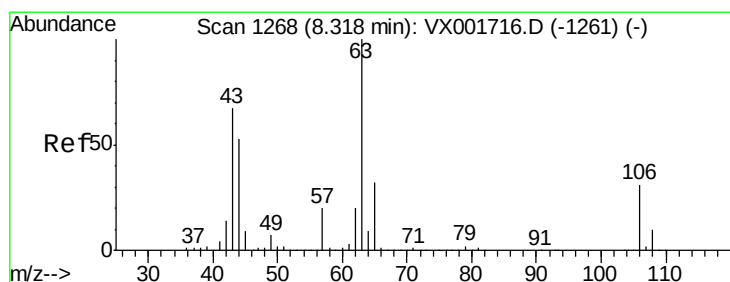
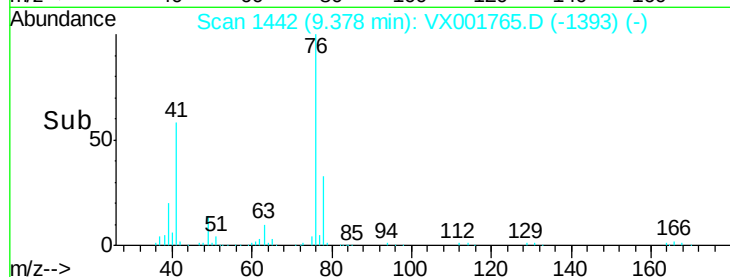
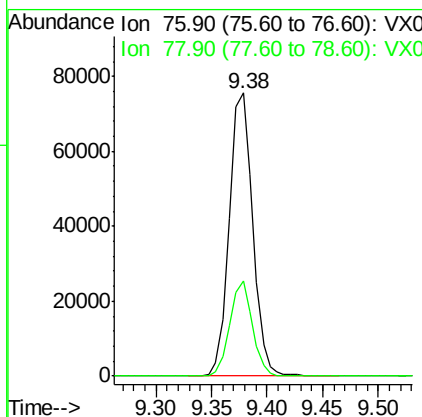
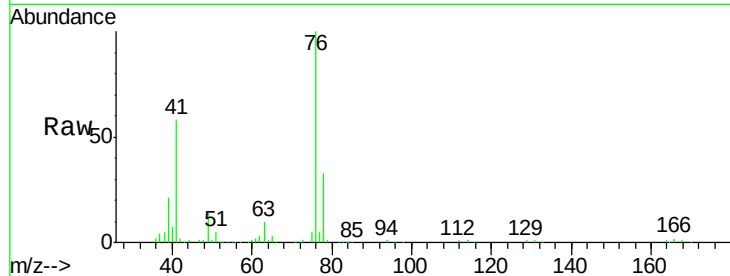
#57
 1,3-Dichloropropane
 Concen: 19.90 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX001765.D
 Acq: 16 May 2018 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

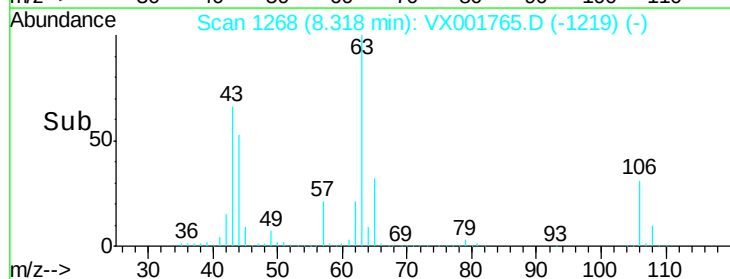
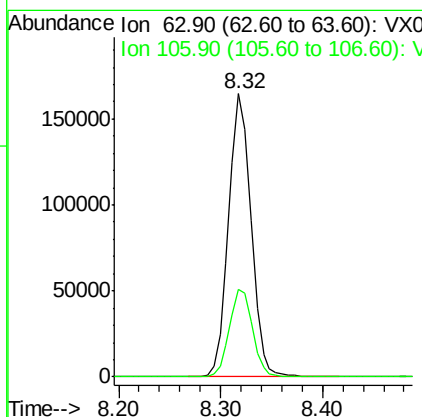
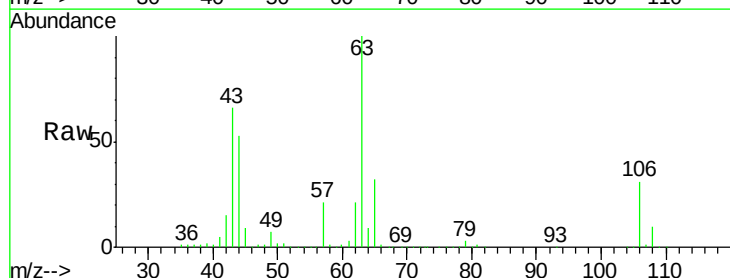
Manual Integrations
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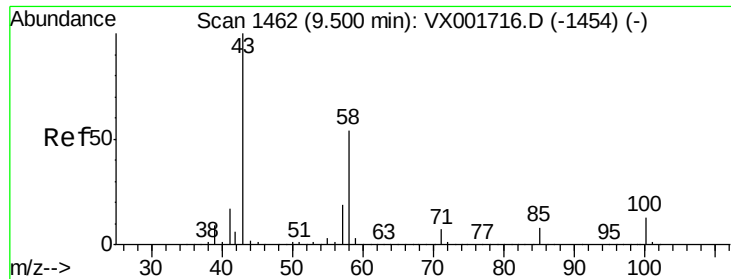
MMDadoda
 5/17/2018 9:32:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.98 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX001765.D
 Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.8	25.1	37.7





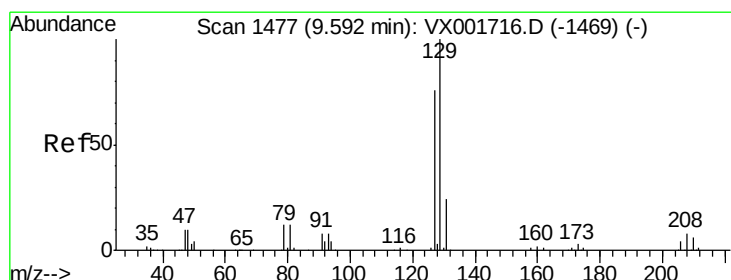
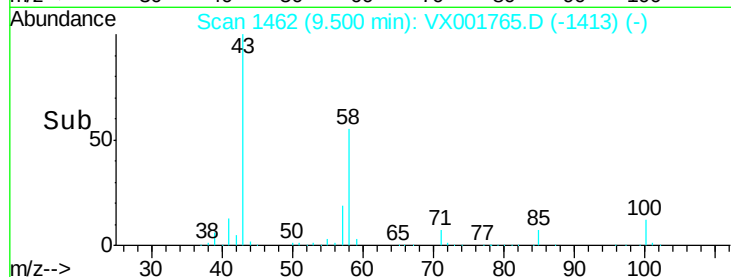
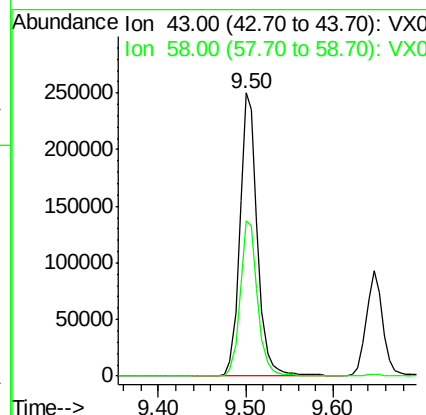
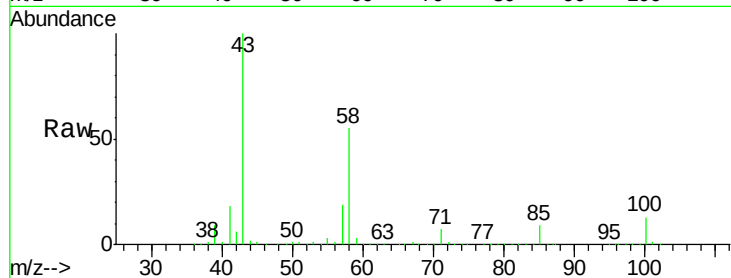
#59
2-Hexanone
Concen: 103.26 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Instrument :
MSVOA_X
ClientSampled :
VX0516WBS01

Tot Ion: 43 Resp: 350076
Ion Ratio Lower Upper
43 100
58 54.6 27.7 83.1

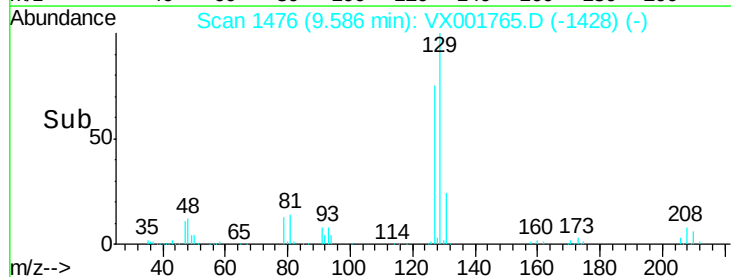
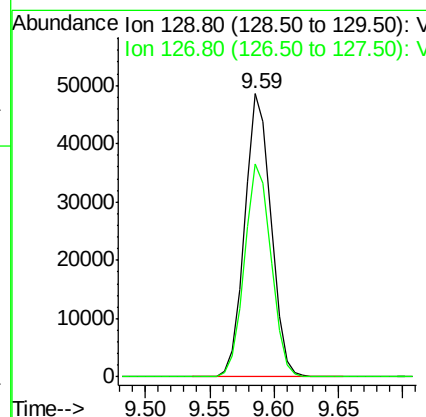
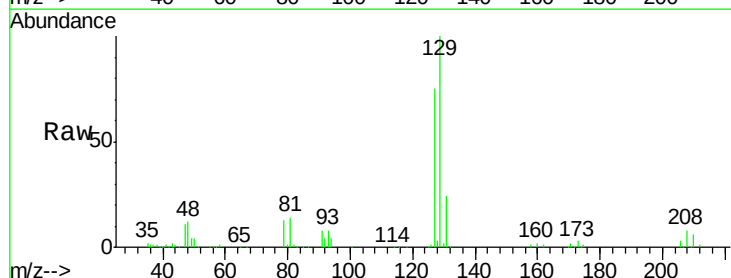
Manual Integrations
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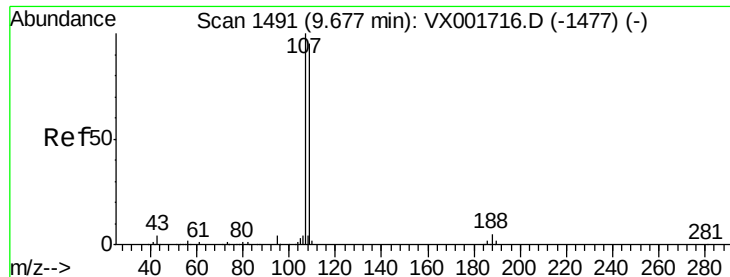
MMDadoda
5/17/2018 9:32:20 AM



#60
Dibromochloromethane
Concen: 20.07 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion: 129 Resp: 68140
Ion Ratio Lower Upper
129 100
127 76.1 38.7 116.1





#61

1,2-Dibromoethane

Concen: 20.07 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion:107 Resp: 69653

Ion Ratio Lower Upper

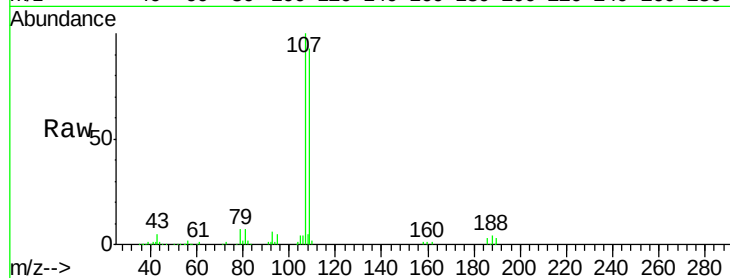
107 100

109 94.7 76.2 114.2

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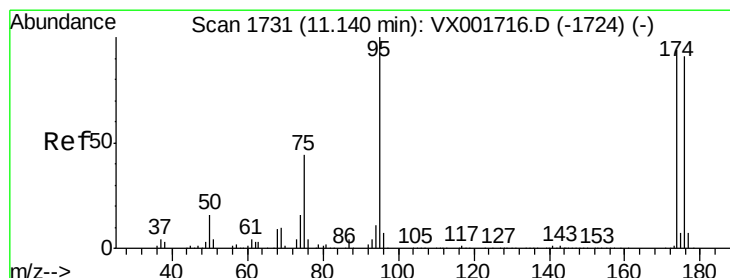
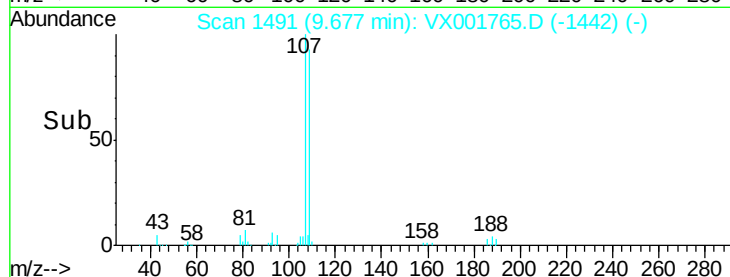
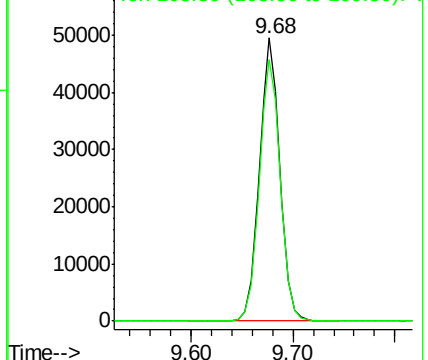
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.79 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

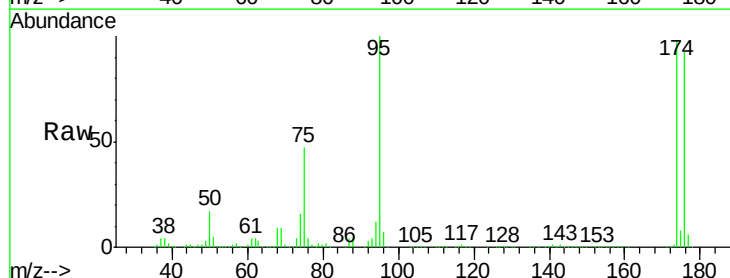
Tgt Ion: 95 Resp: 207004

Ion Ratio Lower Upper

95 100

174 103.9 0.0 201.8

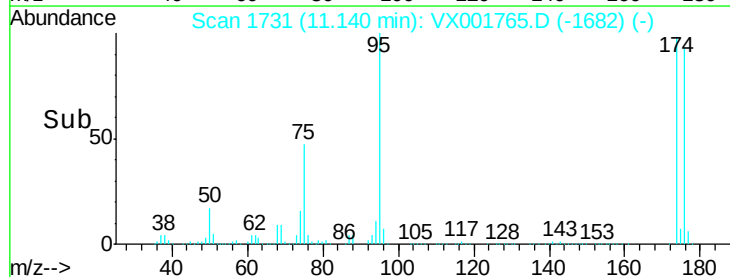
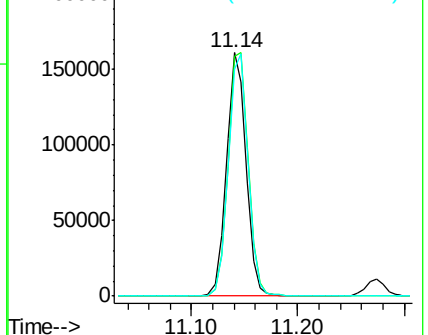
176 101.1 0.0 196.8

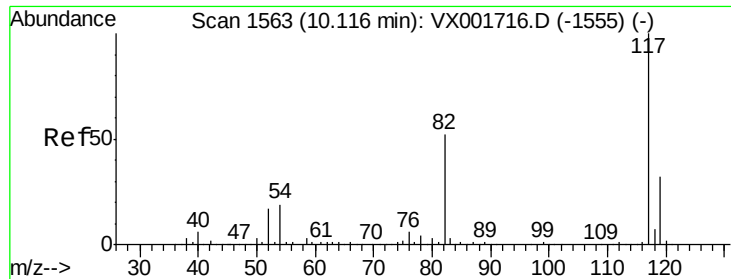


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





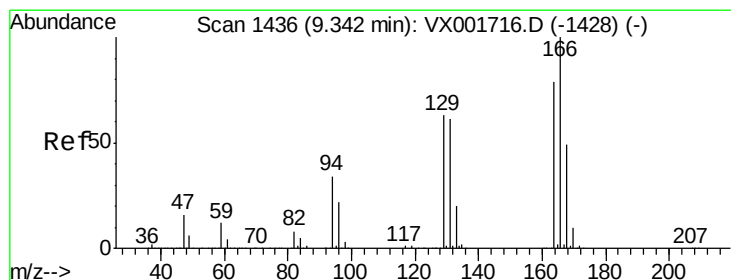
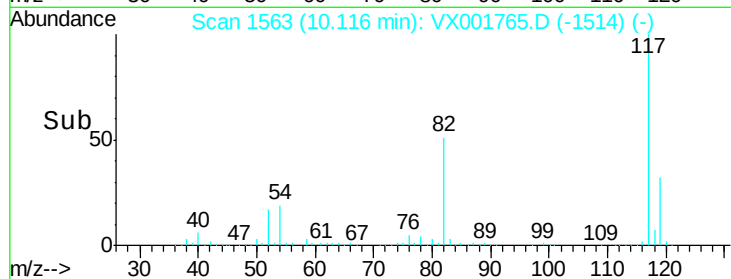
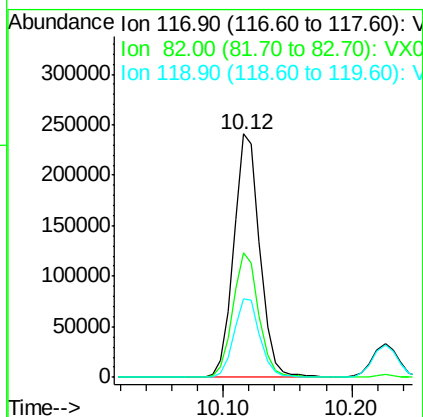
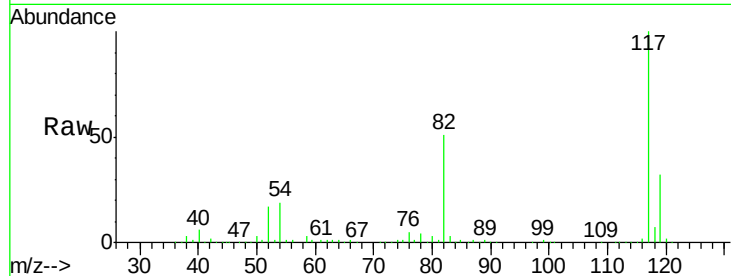
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.4	62.2
119	32.0	25.6	38.4

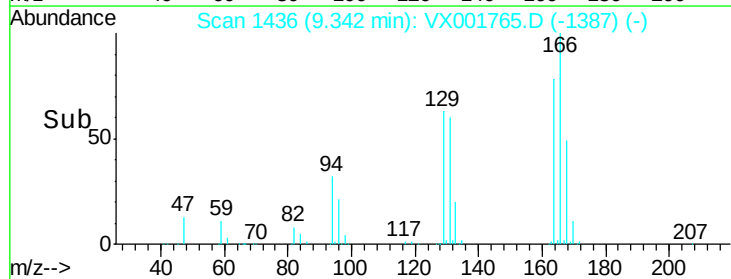
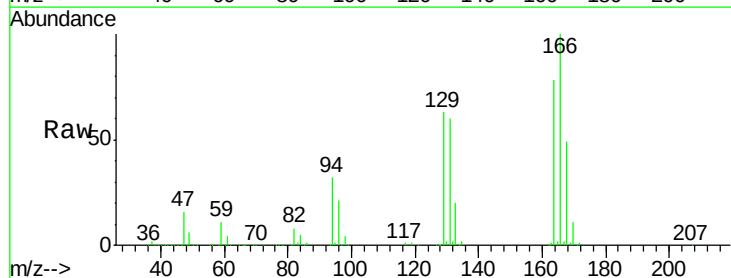
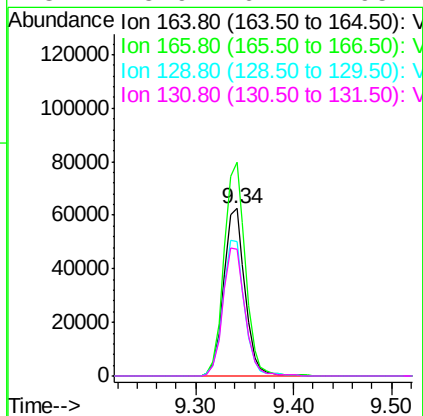
Manual Integrations
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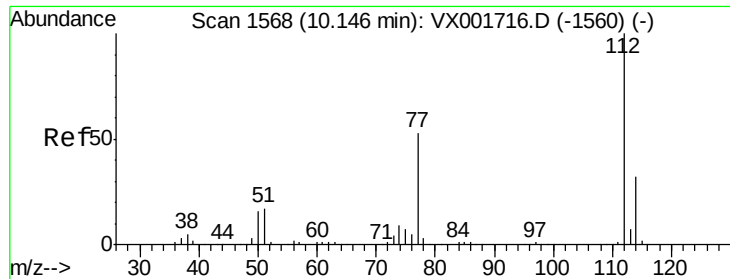
MMDadoda
5/17/2018 9:32:20 AM



#64
Tetrachloroethene
Concen: 21.39 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	101.8	152.8
129	80.6	63.8	95.6
131	75.9	62.2	93.2





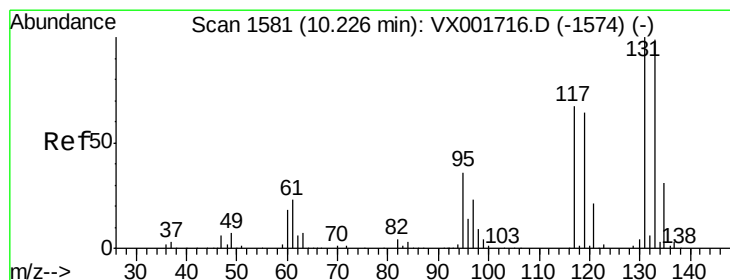
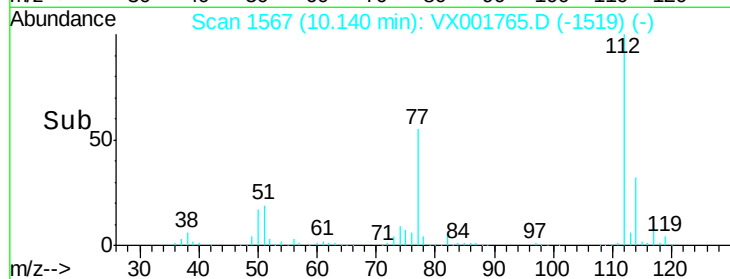
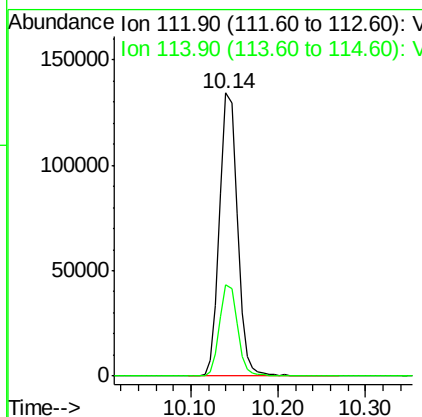
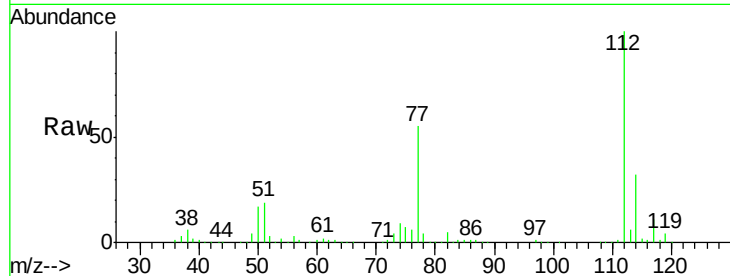
#65
Chlorobenzene
Concen: 20.49 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Instrument :
MSVOA_X
ClientSampled :
VX0516WBS01

Tot Ion:112 Resp: 191143
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4

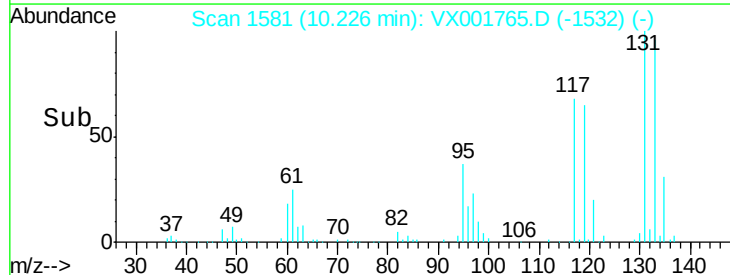
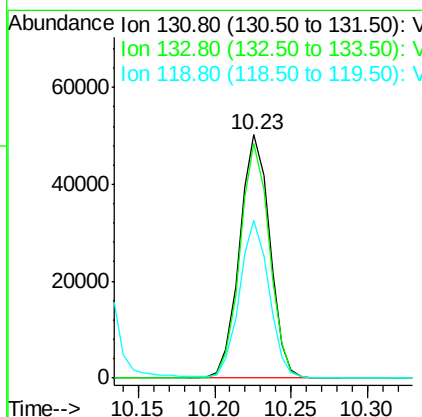
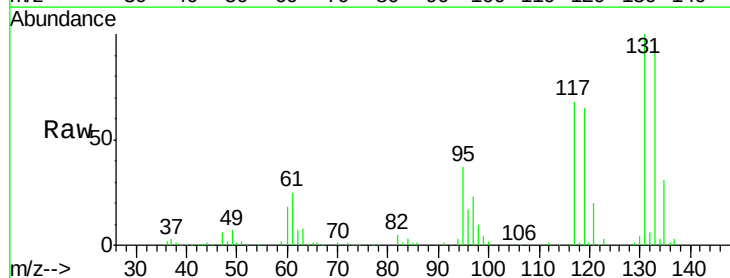
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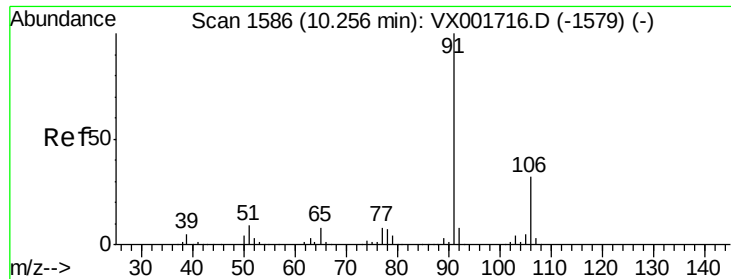
MMDadoda
5/17/2018 9:32:20 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.93 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion:131 Resp: 68955
Ion Ratio Lower Upper
131 100
133 94.0 48.5 145.6
119 63.5 31.9 95.5





#67

Ethyl Benzene

Concen: 20.59 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 91 Resp: 306927

Ion Ratio Lower Upper

91 100

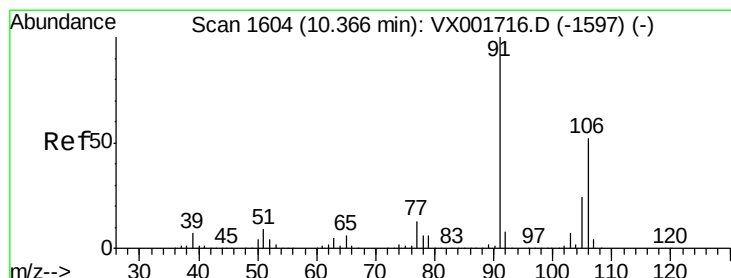
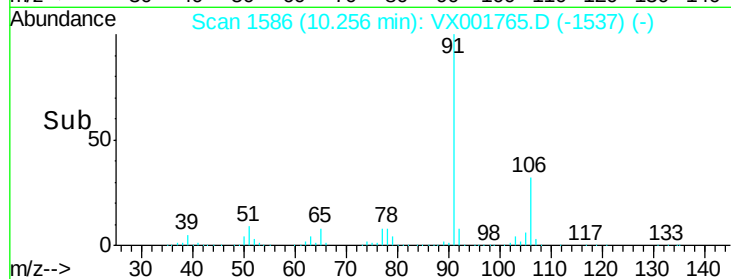
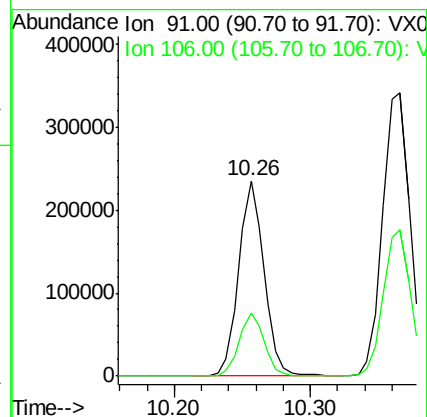
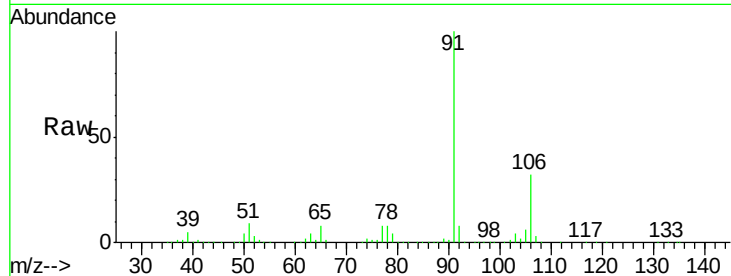
106 32.4 25.7 38.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.32 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001765.D

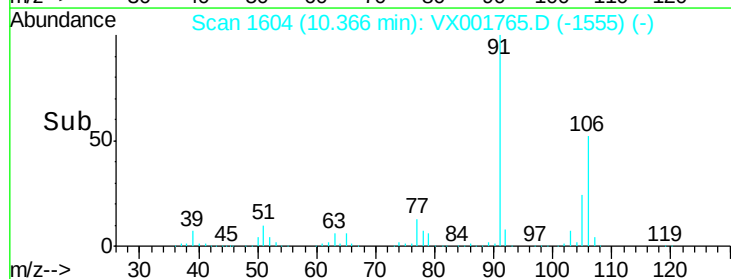
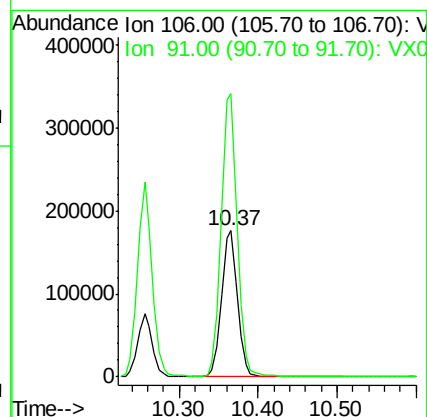
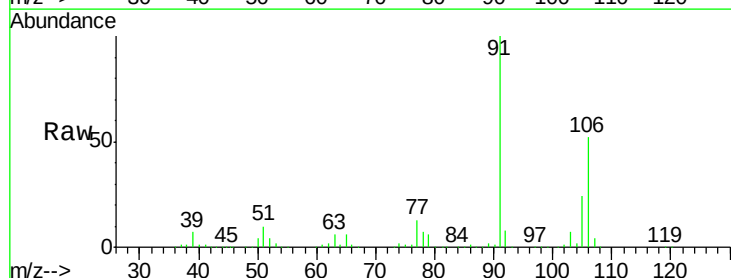
Acq: 16 May 2018 15:33

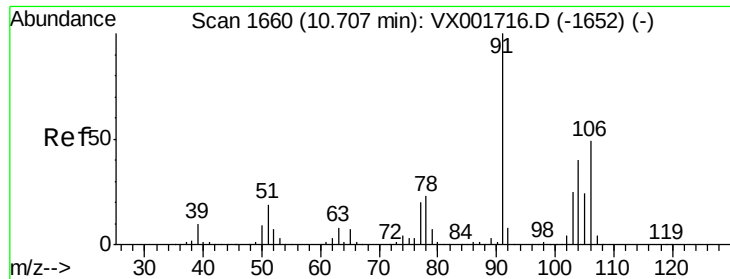
Tgt Ion: 106 Resp: 248913

Ion Ratio Lower Upper

106 100

91 195.6 155.4 233.2





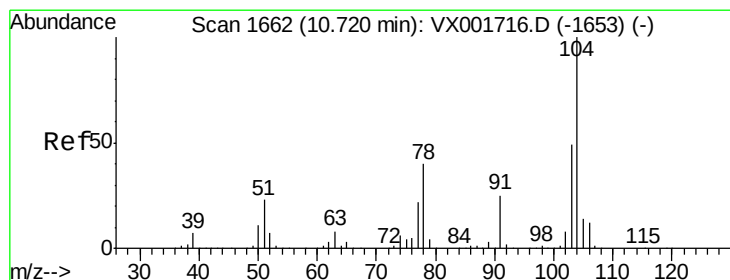
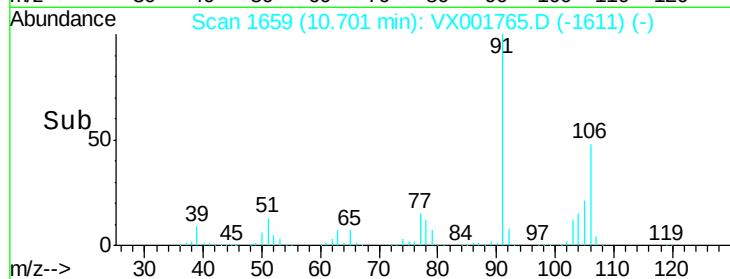
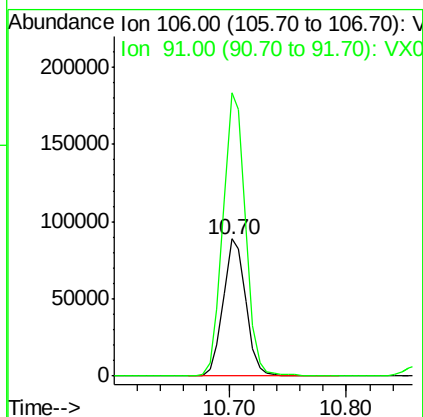
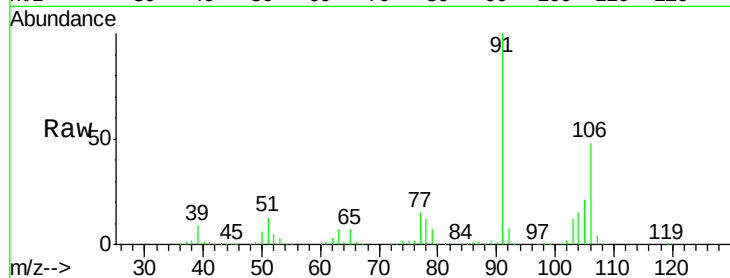
#69
o-Xylene
Concen: 21.09 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion:106 Resp: 118772
Ion Ratio Lower Upper
106 100
91 206.8 103.4 310.2

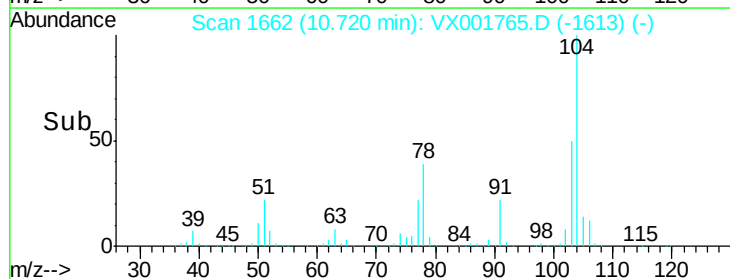
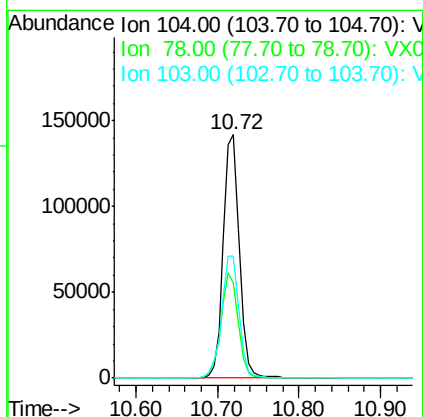
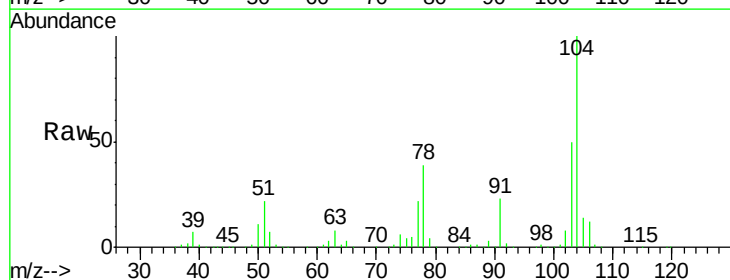
Manual Integrations
APPROVED

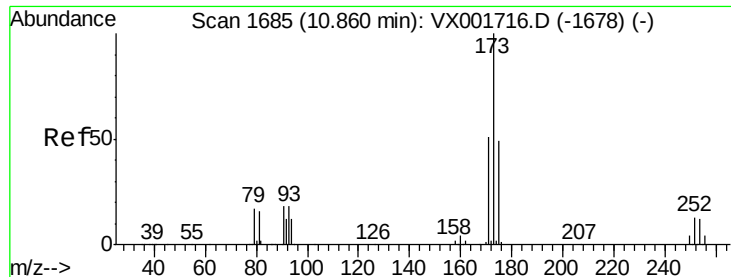
MMDadoda
5/17/2018 9:32:20 AM



#70
Styrene
Concen: 20.94 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion:104 Resp: 194581
Ion Ratio Lower Upper
104 100
78 46.5 37.3 55.9
103 54.9 43.7 65.5





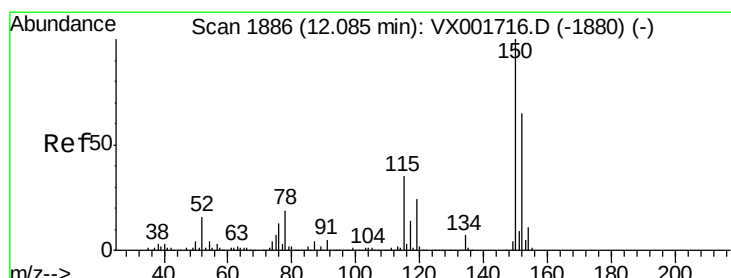
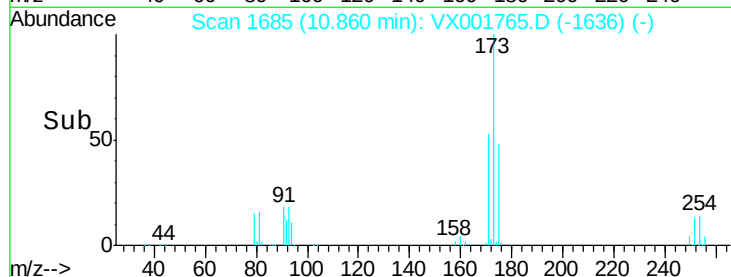
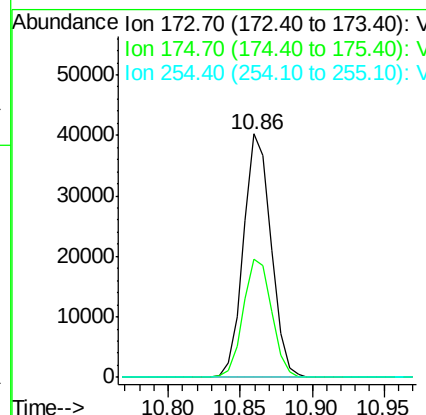
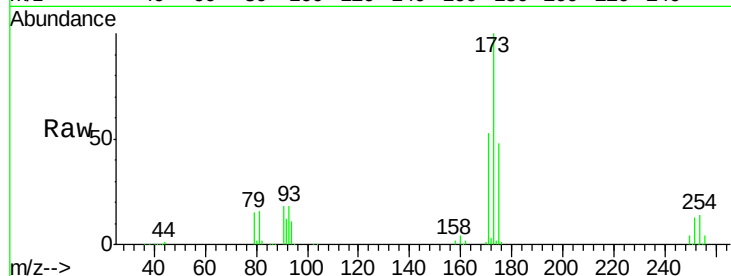
#71
Bromoform
Concen: 19.34 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.3	72.8
254	0.2	0.2	0.2

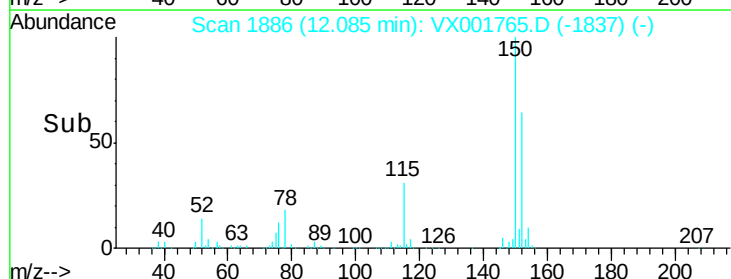
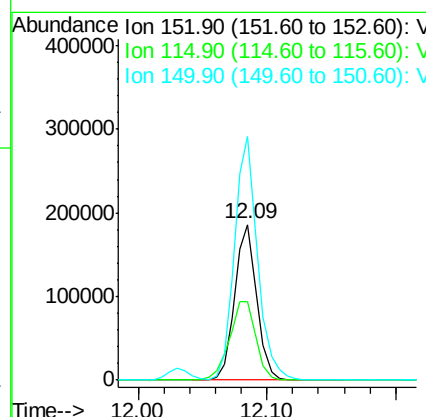
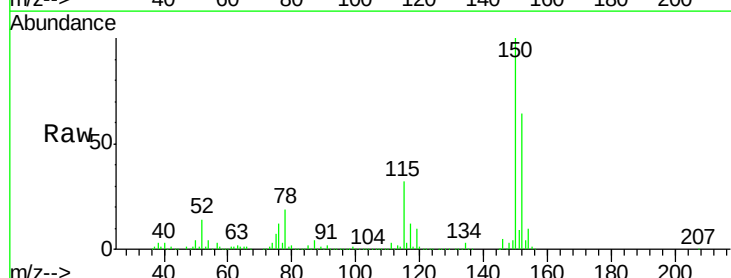
Manual Integrations
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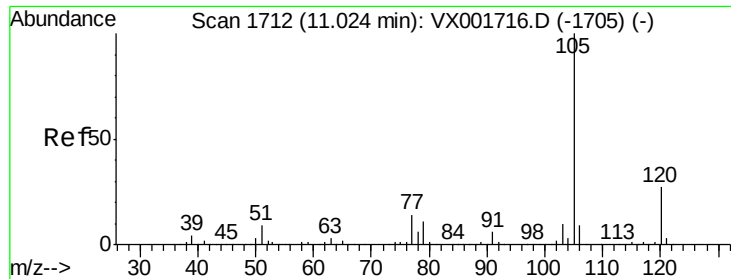
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5/17/2018 9:32:20 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	37.4	112.2
150	164.1	0.0	344.8





#73

Isopropylbenzene

Concen: 21.95 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 105 Resp: 322004

Ion Ratio Lower Upper

105 100

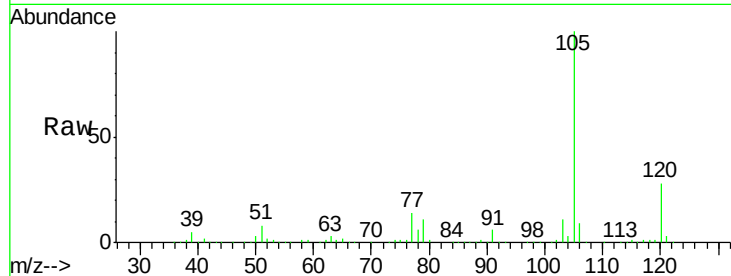
120 27.5 13.8 41.3

Manual Integrations

APPROVED

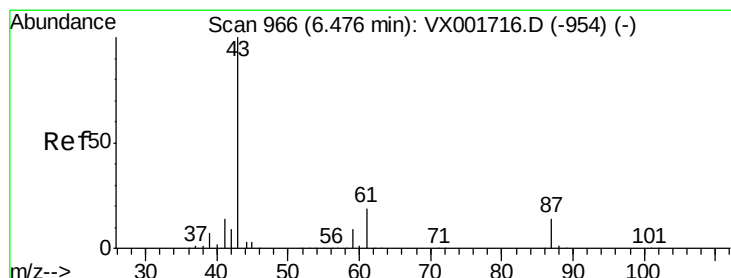
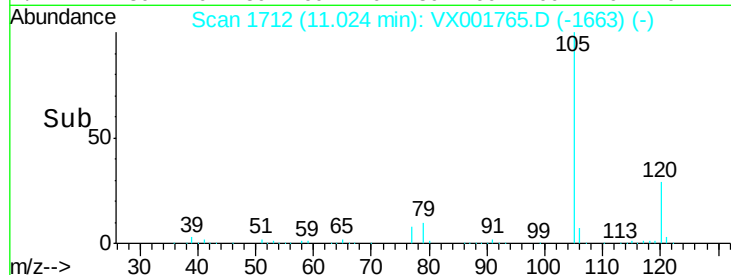
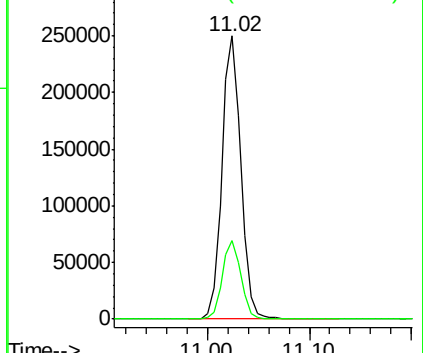
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.79 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Tgt Ion: 43 Resp: 146261

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

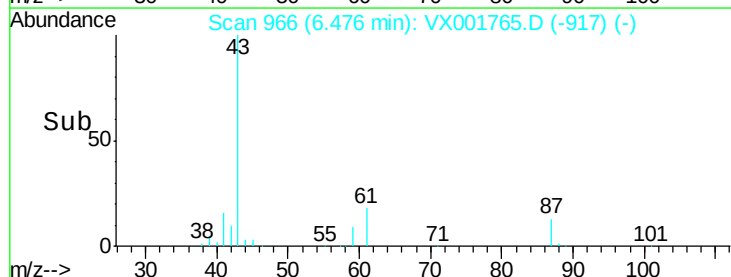
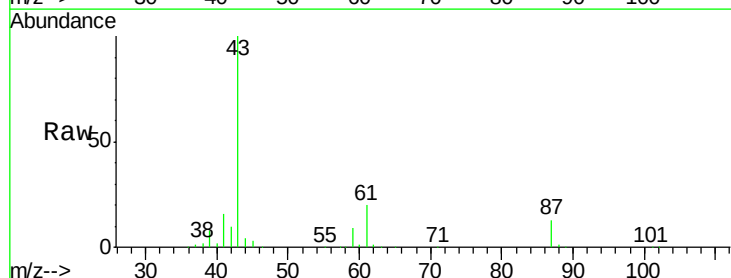
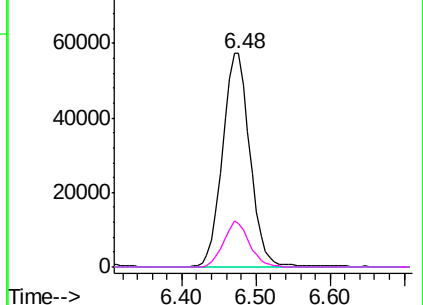
61 20.3 15.8 23.8

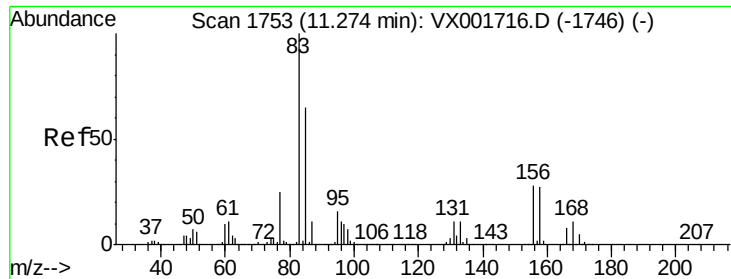
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.05 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

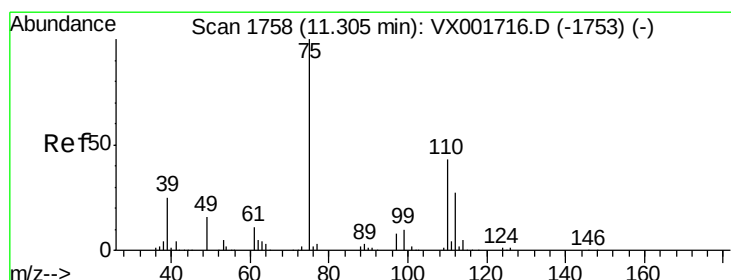
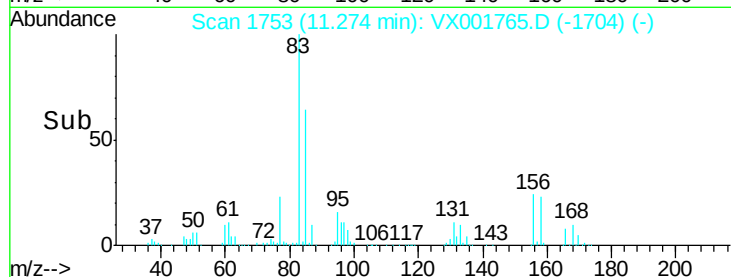
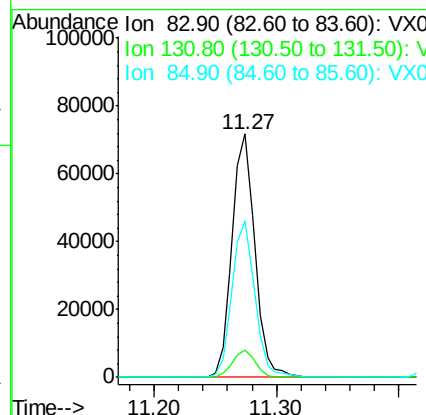
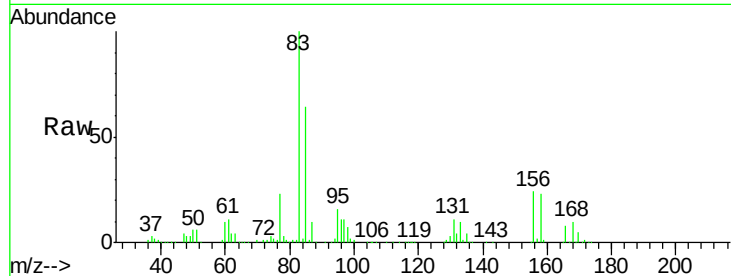
ClientSampleId :

VX0516WBS01

Tot Ion:	83	Resp:	92630
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.0
85	64.2	32.7	98.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.87 ug/l m

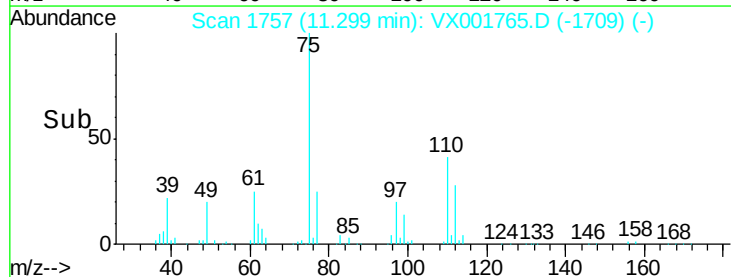
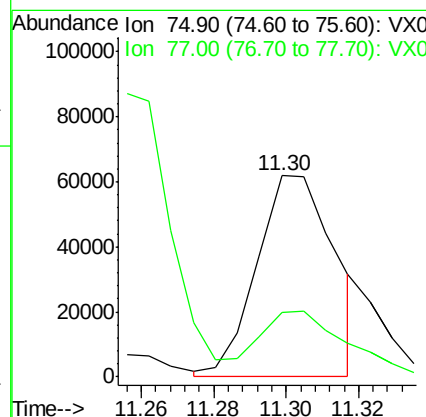
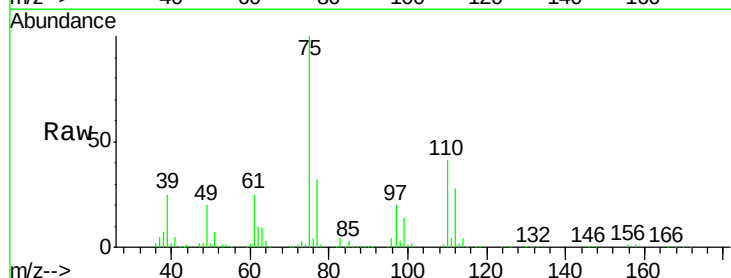
RT: 11.30 min Scan# 1757

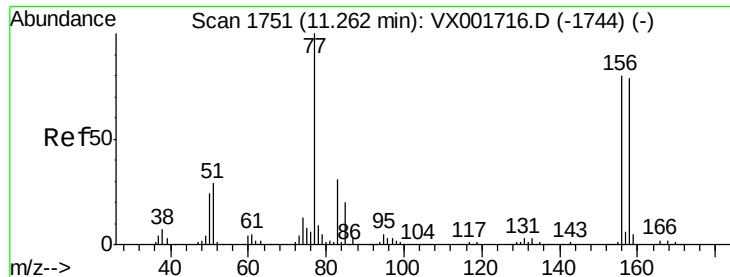
Delta R.T. -0.01 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Tgt Ion:	75	Resp:	92647
Ion Ratio	Lower	Upper	
75	100		
77	37.9	18.9	56.7





#77

Bromobenzene

Concen: 21.24 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion:156 Resp: 91577

Ion Ratio Lower Upper

156 100

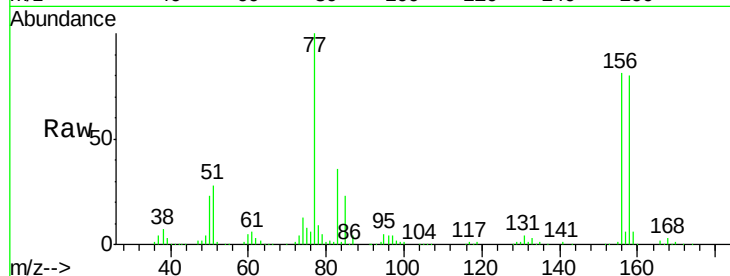
77 126.9 65.3 196.0

158 97.6 49.1 147.3

Manual Integrations
APPROVED

MMDadoda

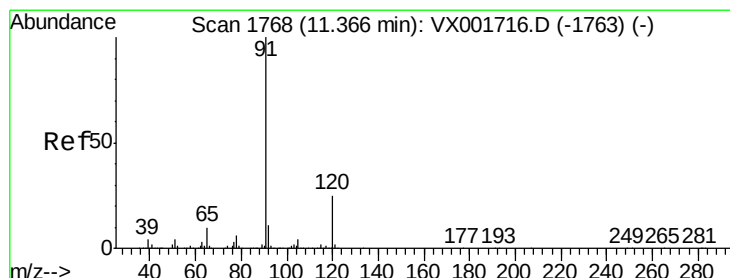
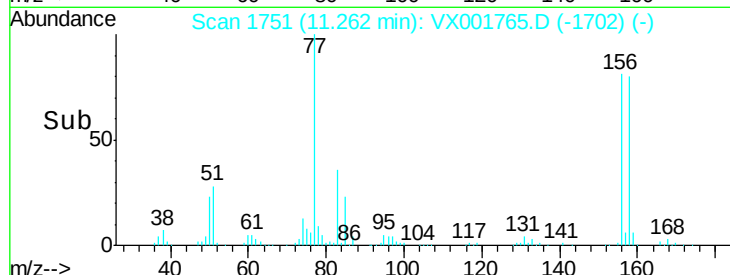
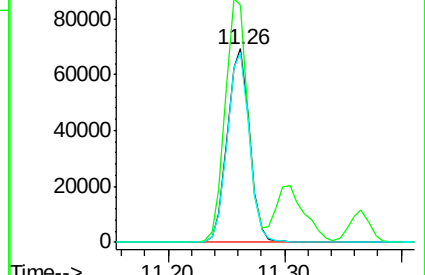
5/17/2018 9:32:20 AM



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: 21.66 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001765.D

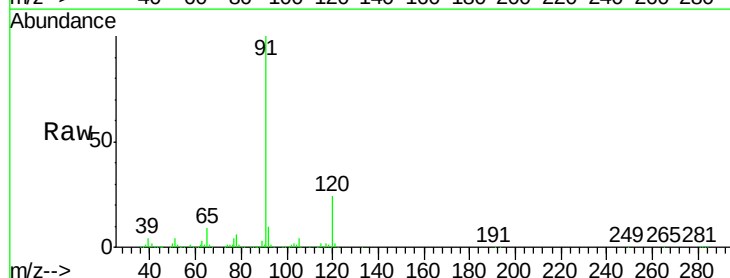
Acq: 16 May 2018 15:33

Tgt Ion: 91 Resp: 358032

Ion Ratio Lower Upper

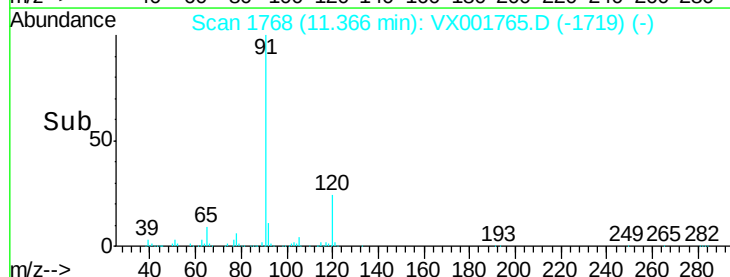
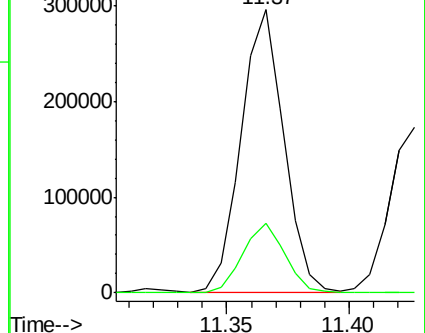
91 100

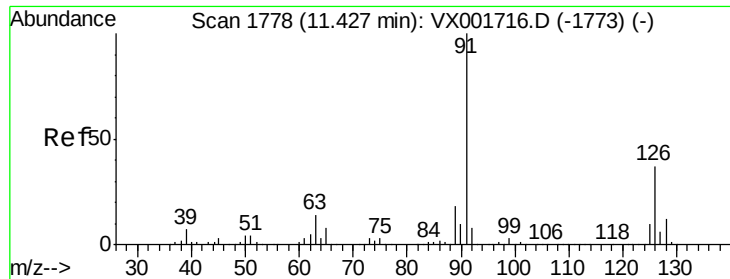
120 24.5 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.77 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 91 Resp: 215176

Ion Ratio Lower Upper

91 100

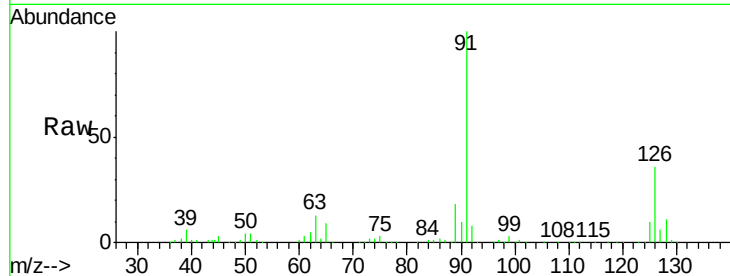
126 36.9 18.4 55.4

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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) (-)

300000

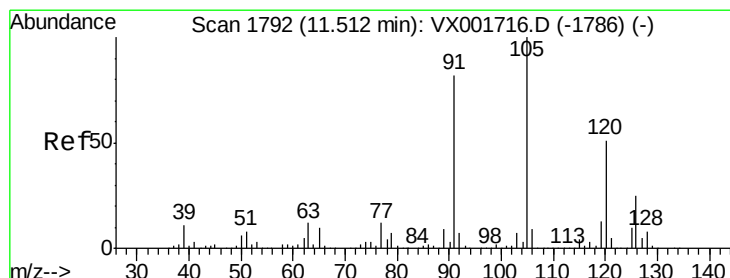
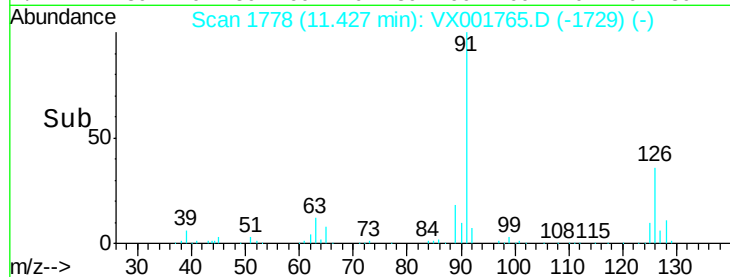
200000

100000

0

11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.50 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001765.D

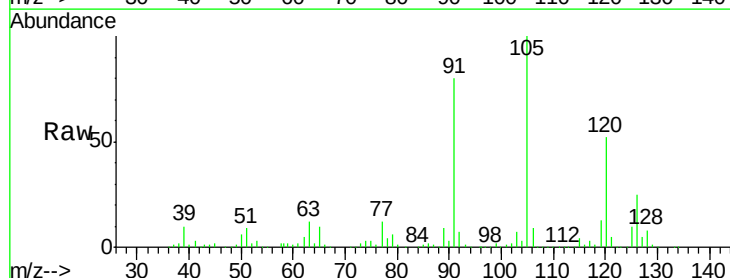
Acq: 16 May 2018 15:33

Tgt Ion: 105 Resp: 270818

Ion Ratio Lower Upper

105 100

120 51.2 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) (-)

250000

200000

150000

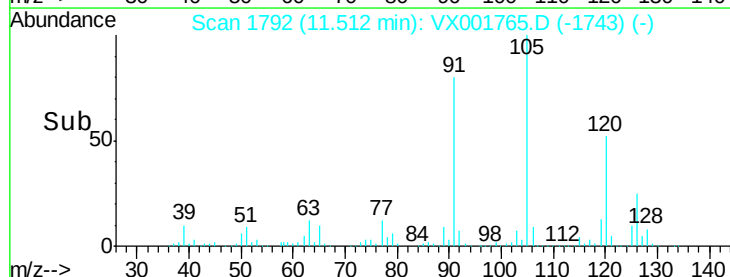
100000

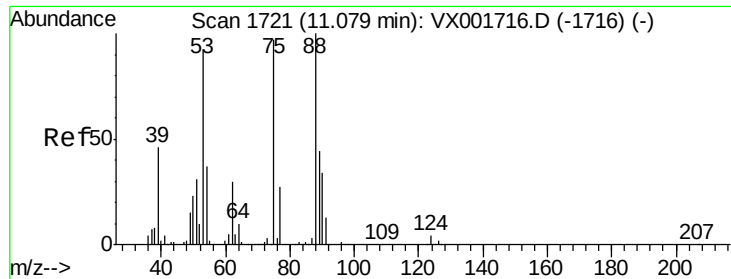
50000

0

11.50 11.60

Time-->





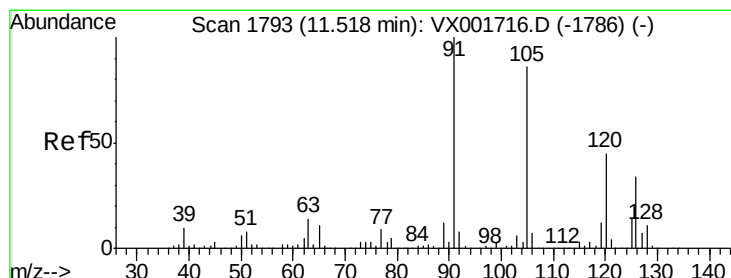
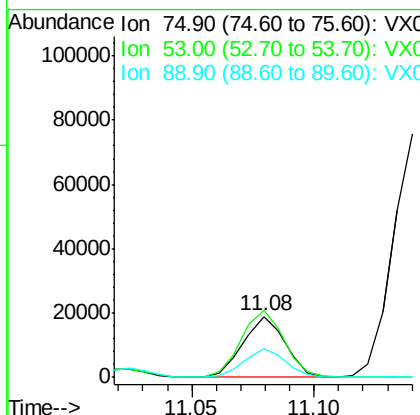
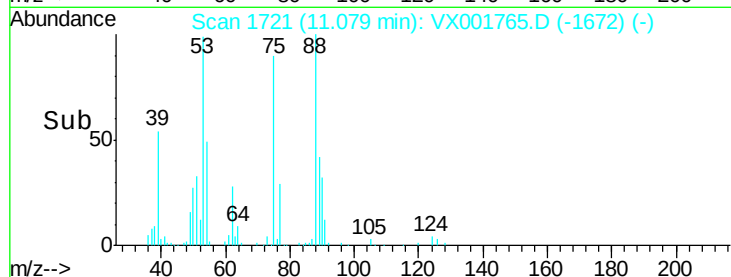
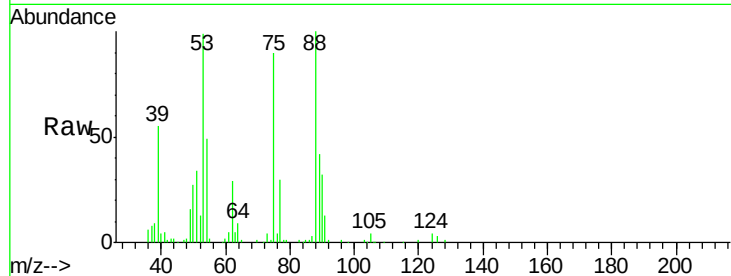
#81
trans-1,4-Dichloro-2-butene
Concen: 18.17 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.5	79.4	119.2
89	47.8	38.8	58.2

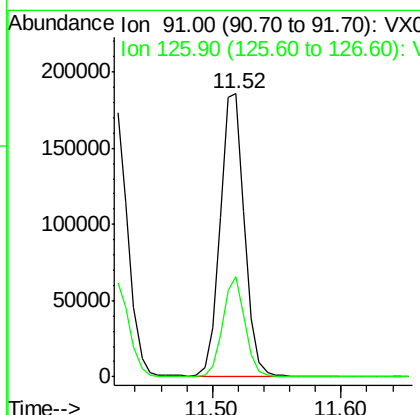
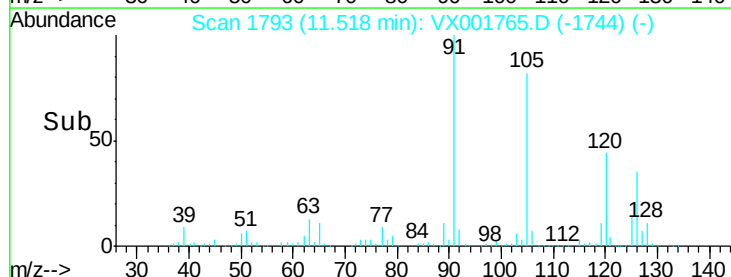
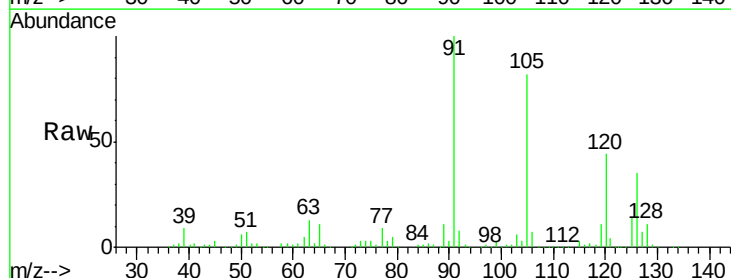
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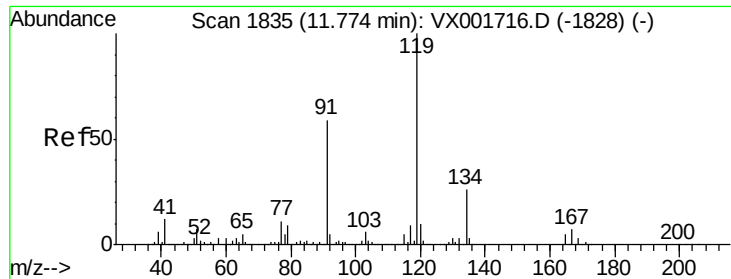
MMDadoda
5/17/2018 9:32:20 AM



#82
4-Chlorotoluene
Concen: 21.16 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1





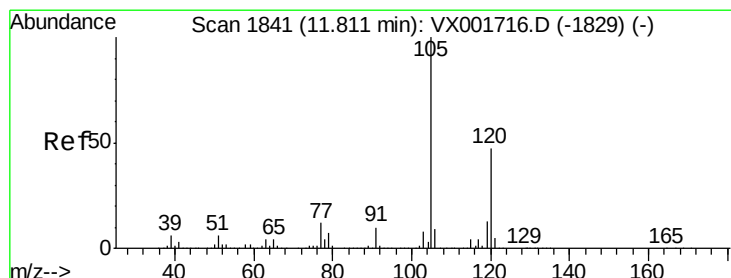
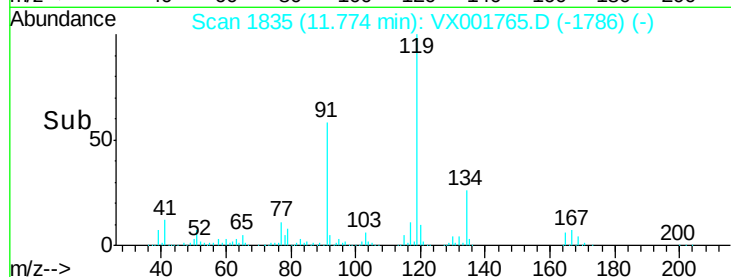
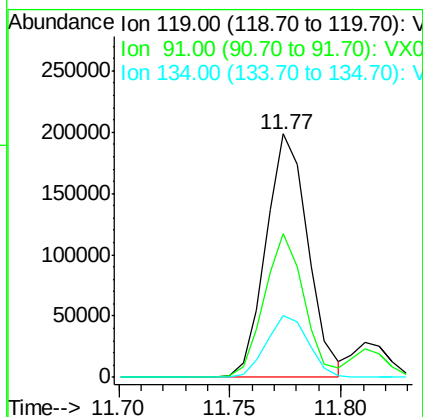
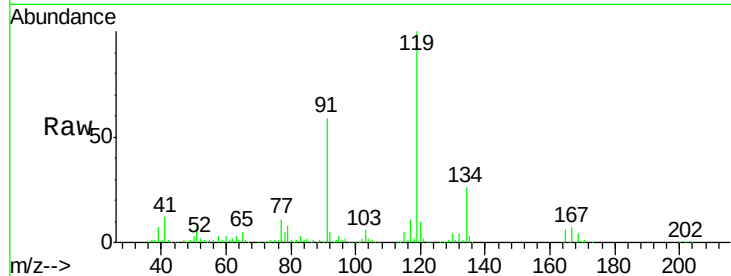
#83
 tert-Butylbenzene
 Concen: 21.68 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001765.D
 Acq: 16 May 2018 15:33

Instrument :
 MSVOA_X
 ClientSampled :
 VX0516WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.3	27.7	83.0
134	25.4	12.7	38.1

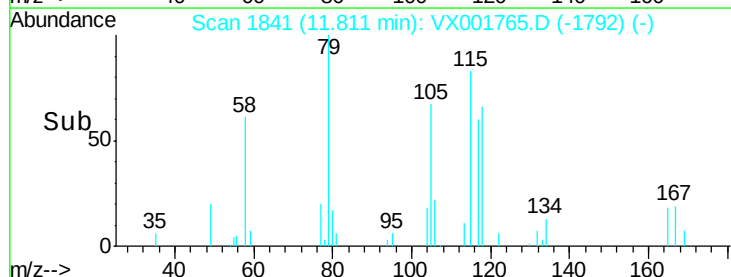
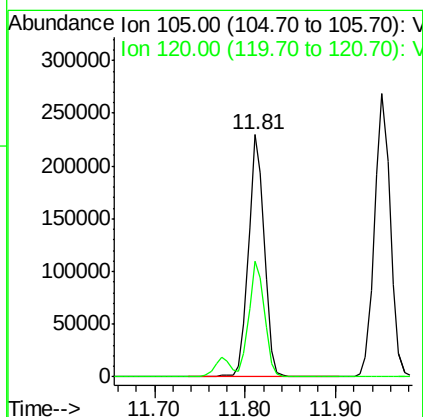
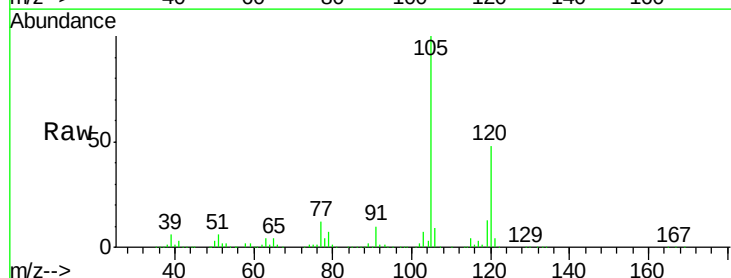
Manual Integrations
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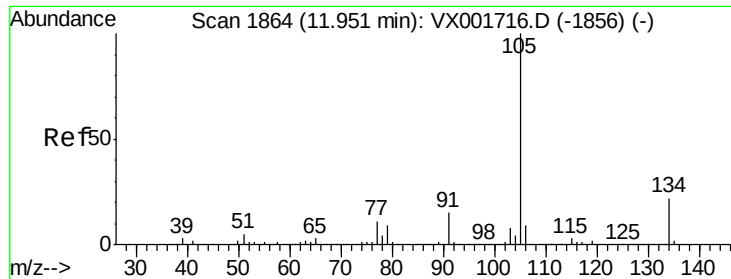
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 5/17/2018 9:32:20 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.25 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001765.D
 Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.5	70.5





#85

sec-Butylbenzene

Concen: 21.92 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

ClientSampled :

VX0516WBS01

Tot Ion:105 Resp: 324065

Ion Ratio Lower Upper

105 100

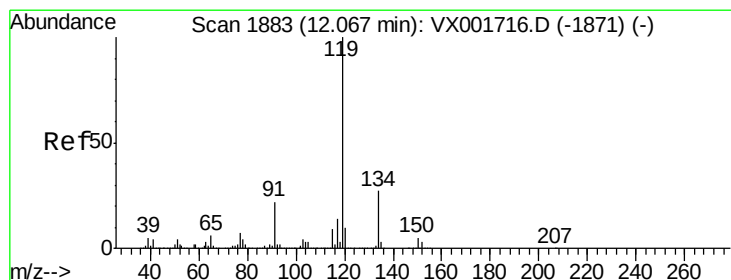
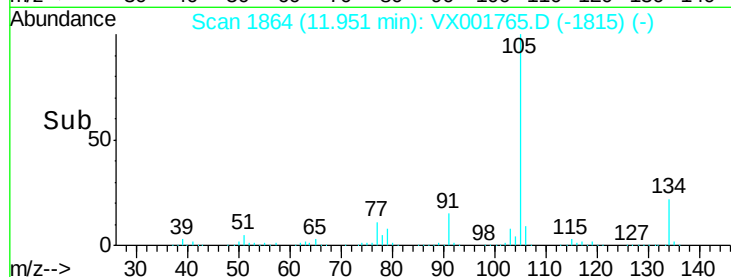
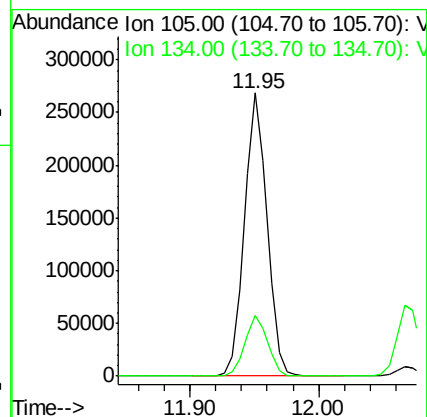
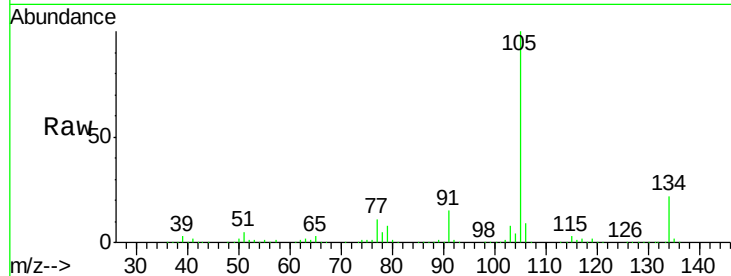
134 21.6 10.9 32.6

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#86

p-Isopropyltoluene

Concen: 21.74 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

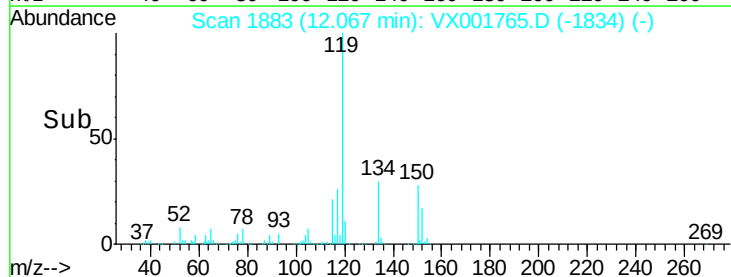
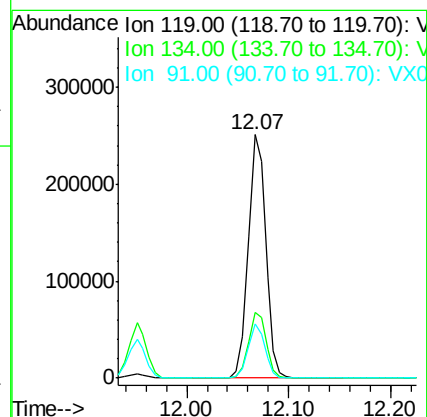
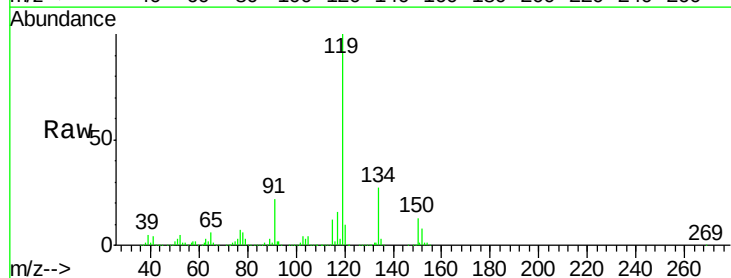
Tgt Ion:119 Resp: 297508

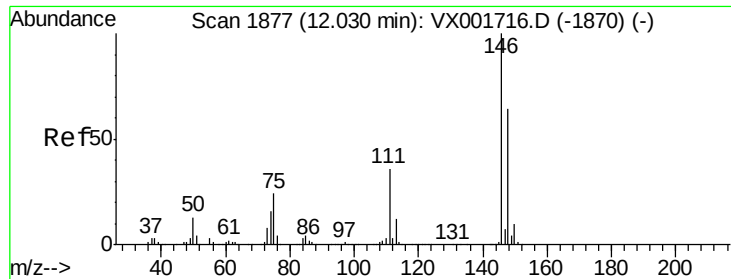
Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

91 21.4 10.7 32.1





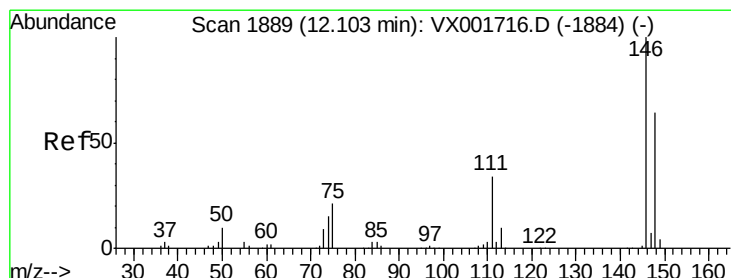
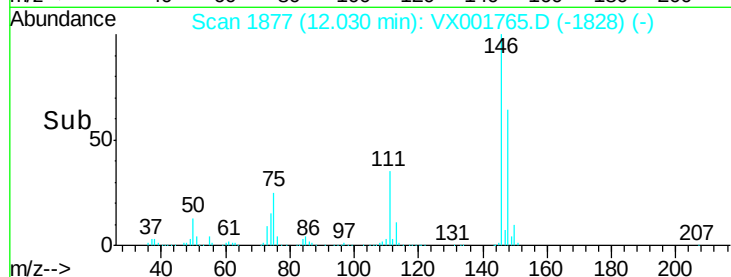
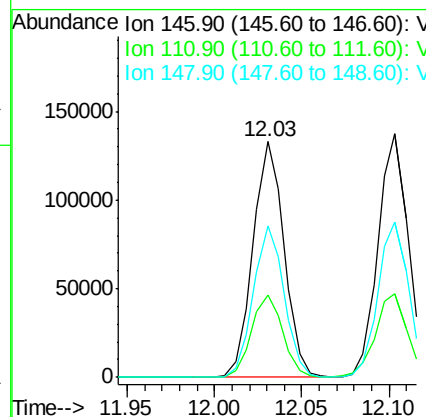
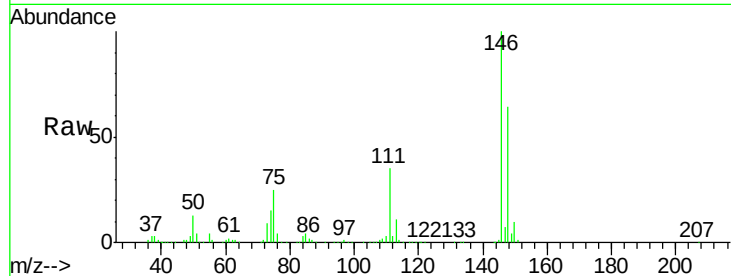
#87
 1,3-Dichlorobenzene
 Concen: 20.61 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001765.D
 Acq: 16 May 2018 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.2	17.8	53.4
148	63.7	32.1	96.3

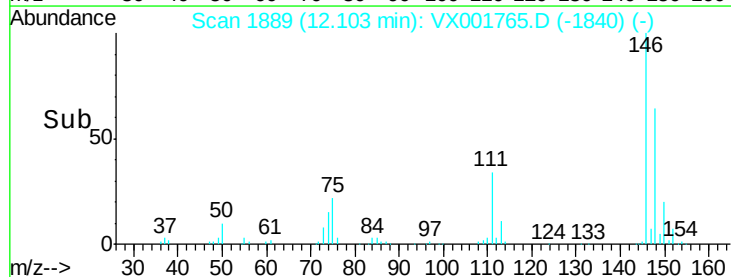
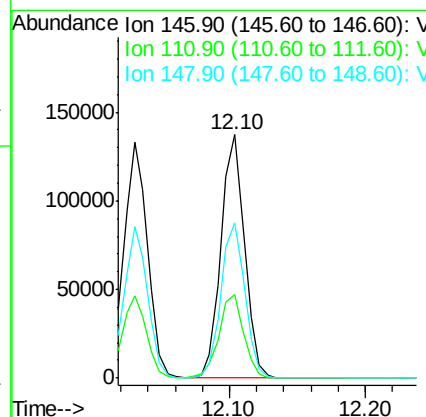
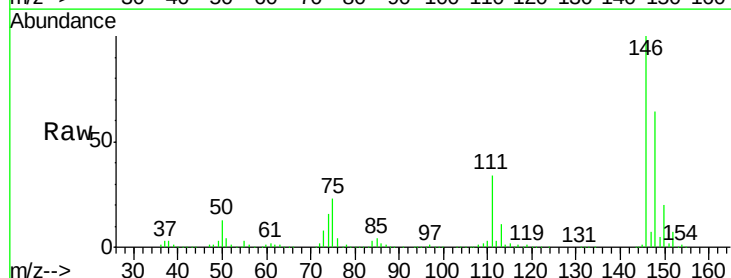
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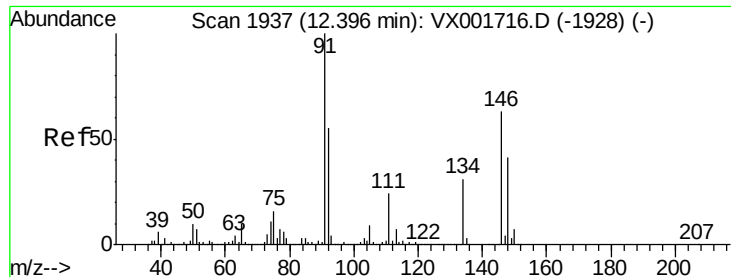
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#88
 1,4-Dichlorobenzene
 Concen: 20.09 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001765.D
 Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	17.3	52.0
148	64.9	32.3	96.9





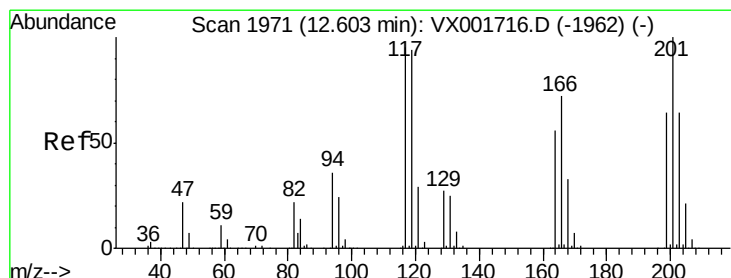
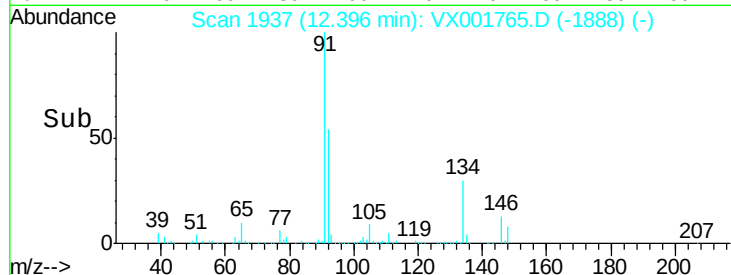
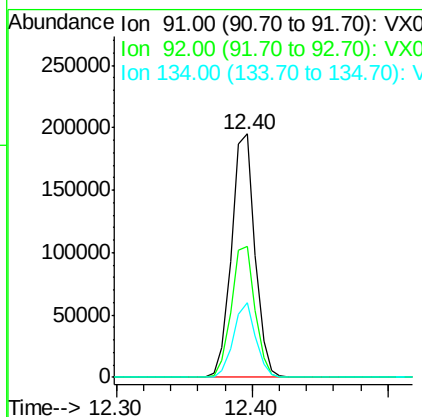
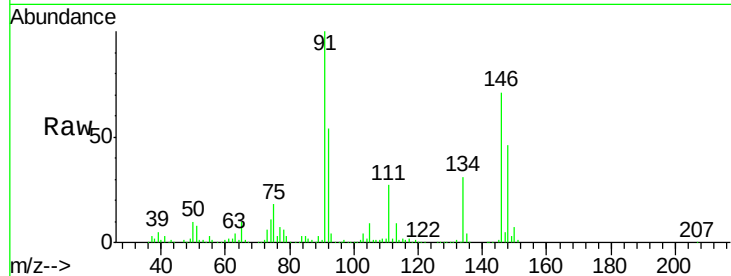
#89
n-Butylbenzene
Concen: 19.71 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	233184		
92	54.6	27.3	81.9	
134	29.2	14.7	44.1	

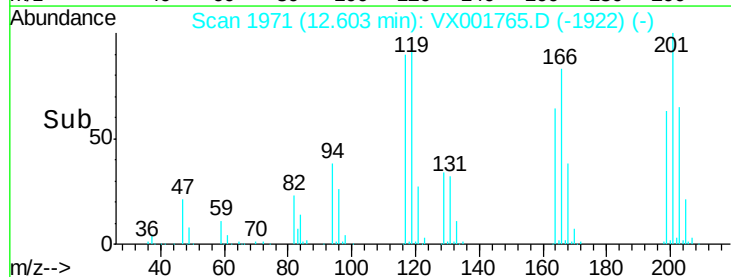
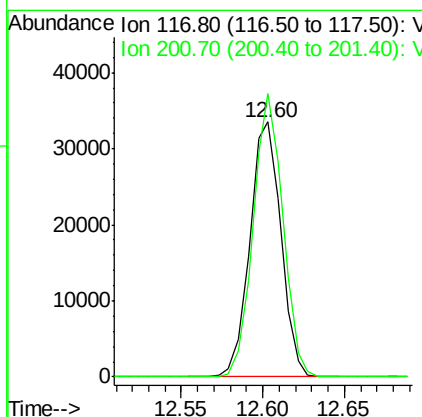
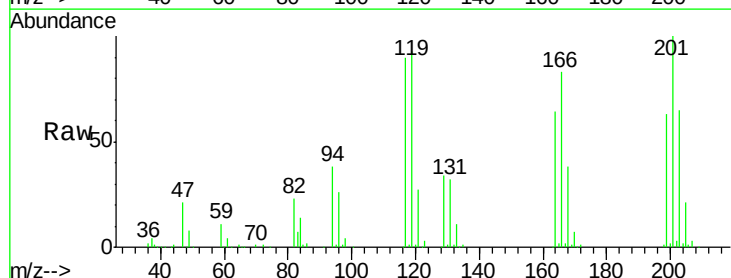
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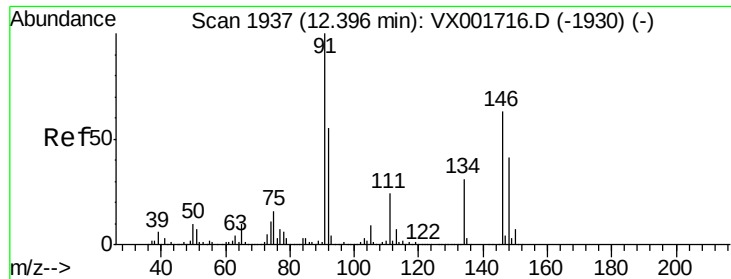
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#90
Hexachloroethane
Concen: 20.92 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001765.D
Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	44456		
201	105.8	51.9	155.7	





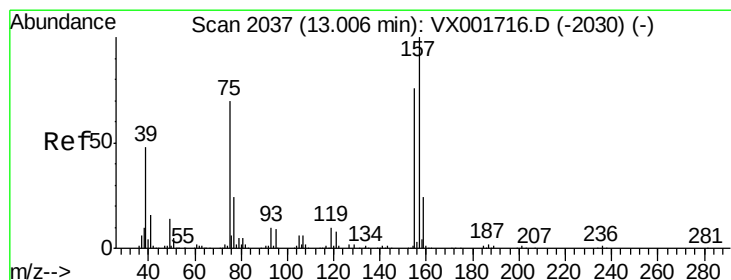
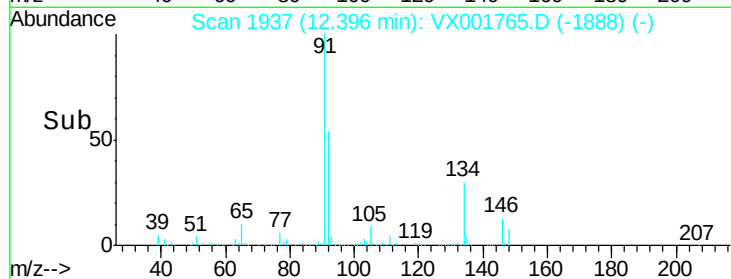
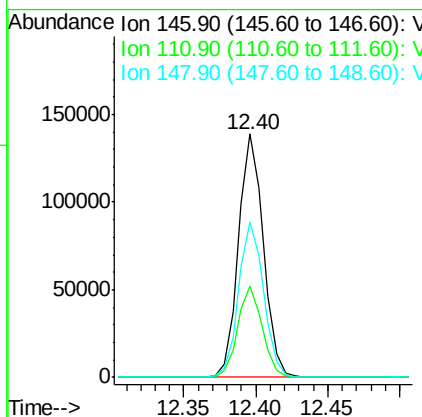
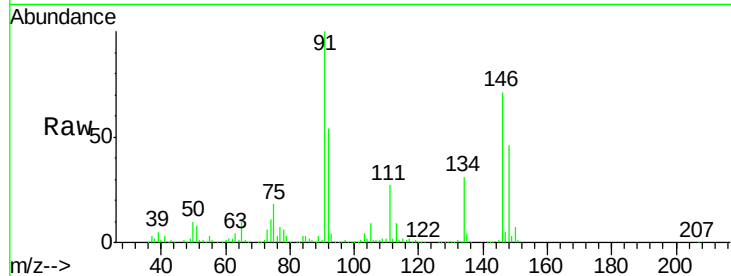
#91
 1,2-Dichlorobenzene
 Concen: 20.99 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001765.D
 Acq: 16 May 2018 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	166768		
111	36.8	18.6	56.0	
148	64.3	32.4	97.0	

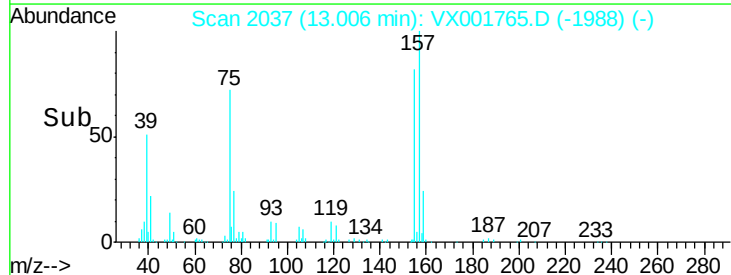
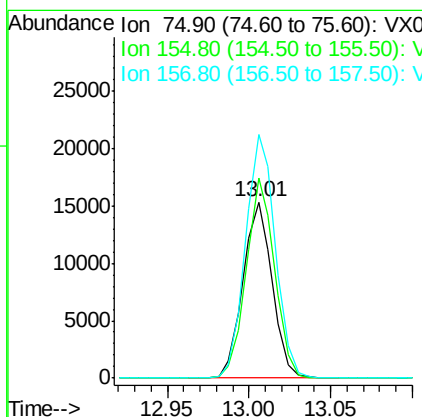
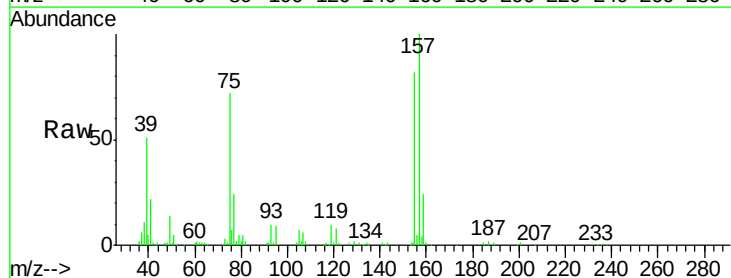
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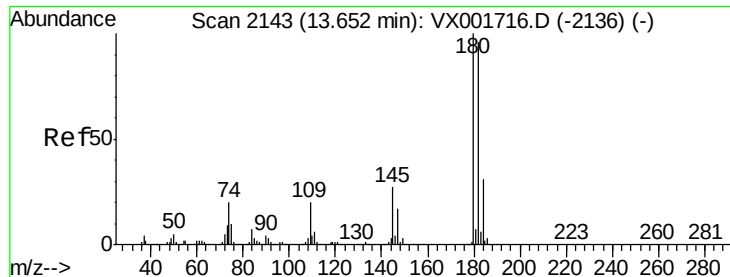
MMDadoda
 5/17/2018 9:32:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.38 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001765.D
 Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19145		
155	110.5	53.9	161.8	
157	140.9	71.0	213.2	





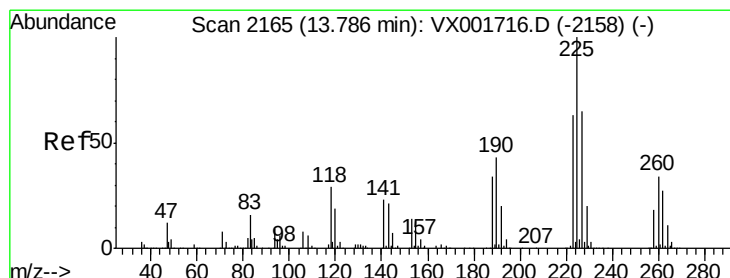
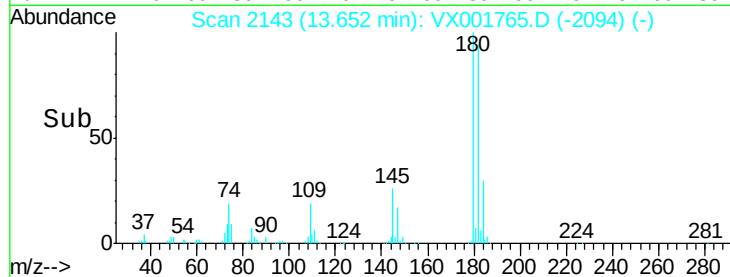
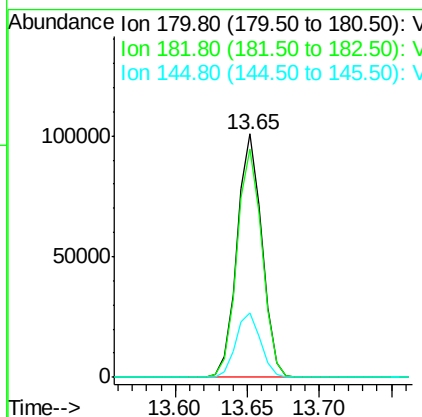
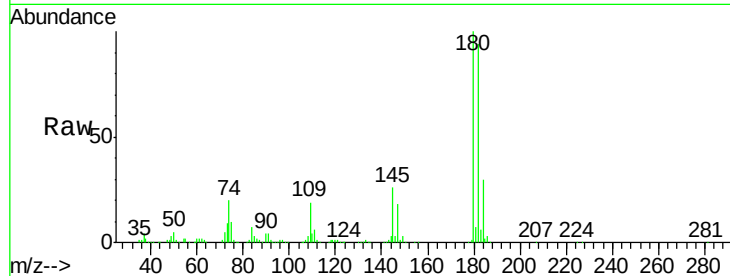
#93
 1,2,4-Trichlorobenzene
 Concen: 19.13 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001765.D
 Acq: 16 May 2018 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121154		
182	94.8	47.6	142.9	
145	26.6	13.4	40.1	

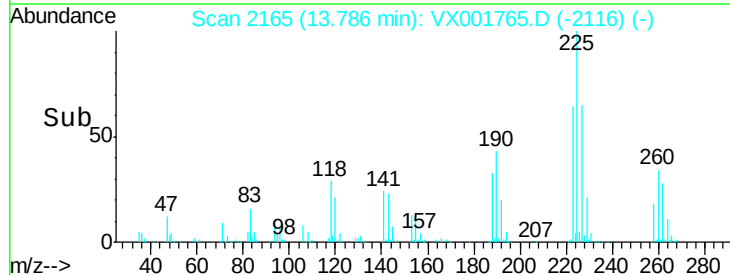
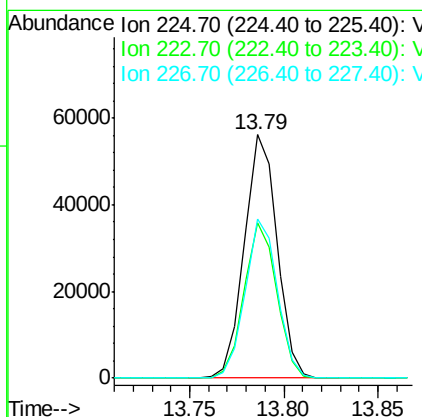
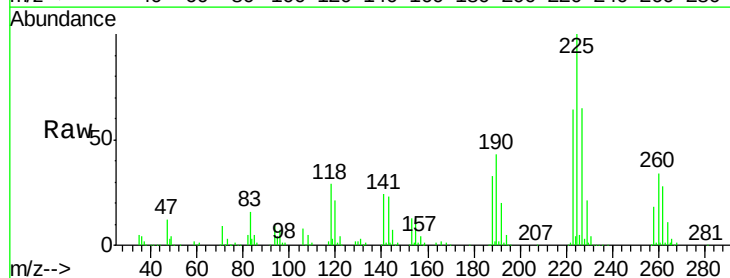
Manual Integrations
 APPROVED

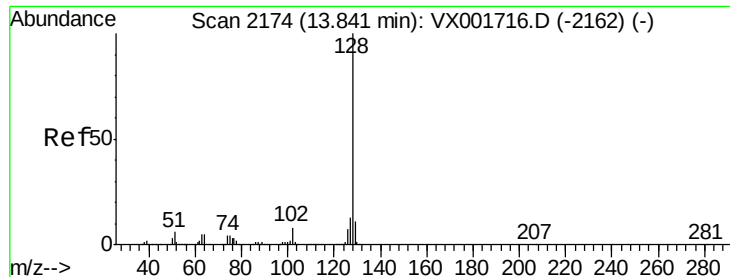
MMDadoda
 5/17/2018 9:32:20 AM



#94
 Hexachlorobutadiene
 Concen: 19.90 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001765.D
 Acq: 16 May 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67666		
223	63.4	31.1	93.5	
227	64.3	31.9	95.5	





#95

Naphthalene

Concen: 20.09 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Instrument :

MSVOA_X

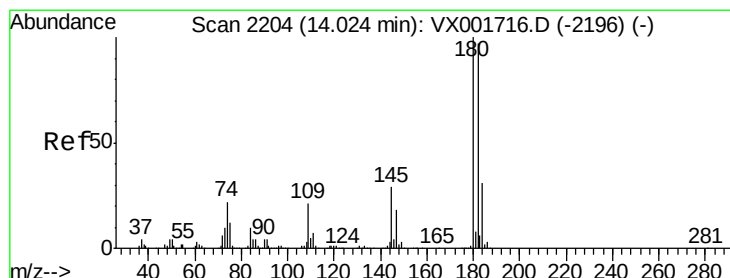
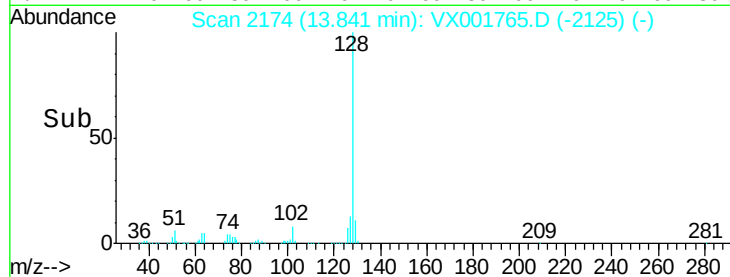
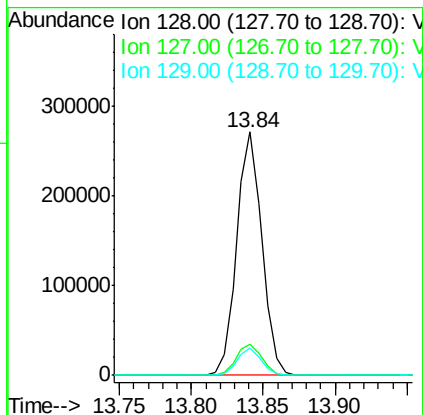
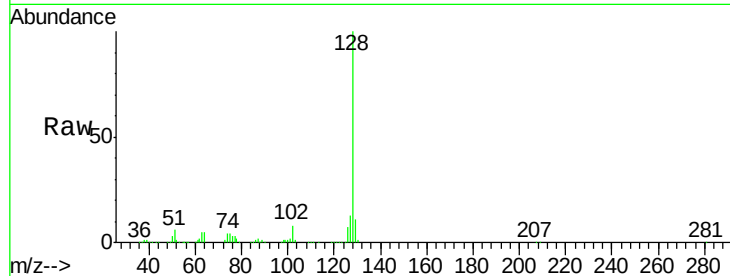
ClientSampleId :

VX0516WBS01

Tot Ion:	128	Resp:	330598
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/17/2018 9:32:20 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.95 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001765.D

Acq: 16 May 2018 15:33

Tgt Ion:	180	Resp:	127231
Ion Ratio		Lower	Upper
180	100		
182	96.1	47.9	143.7
145	28.2	14.2	42.8

