

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001848.D
 Acq On : 19 May 2018 02:00
 Operator : JC/MD
 Sample : VX0518WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 2:40:40 PM

Quant Time: May 19 05:37:18 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	271691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	360298	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	283842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	173948	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
35) Dibromofluoromethane	5.51	113	153173	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	8.72	98	567303	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	11.14	95	168541	42.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	49748	18.25	ug/l	99
3) Chloromethane	1.32	50	60763	20.63	ug/l	99
4) Vinyl Chloride	1.40	62	62916	19.76	ug/l	98
5) Bromomethane	1.64	94	33973	23.68	ug/l	99
6) Chloroethane	1.72	64	43730	21.80	ug/l	98
7) Trichlorofluoromethane	1.93	101	89006	19.24	ug/l	97
8) Diethyl Ether	2.19	74	40345	21.18	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	54451	19.55	ug/l	99
10) Methyl Iodide	2.51	142	69632	27.17	ug/l	97
11) Tert butyl alcohol	3.08	59	77399	119.71	ug/l	100
12) 1,1-Dichloroethene	2.37	96	51301	19.10	ug/l	99
13) Acrolein	2.30	56	38731	84.46	ug/l	99
14) Allyl chloride	2.73	41	99098	19.96	ug/l	95
15) Acrylonitrile	3.15	53	182779	112.55	ug/l	99
16) Acetone	2.45	43	155835	108.95	ug/l	97
17) Carbon Disulfide	2.57	76	116320	16.61	ug/l	98
18) Methyl Acetate	2.78	43	103095	24.65	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	191189	21.12	ug/l	98
20) Methylene Chloride	2.86	84	61978	20.24	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	55395	18.73	ug/l	96
22) Diisopropyl ether	3.88	45	204402	21.47	ug/l	98
23) Vinyl Acetate	3.83	43	675183	98.42	ug/l	99
24) 1,1-Dichloroethane	3.70	63	108028	20.69	ug/l	99
25) 2-Butanone	4.71	43	261251	119.30	ug/l	98
26) 2,2-Dichloropropane	4.59	77	58289	13.86	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	69889	20.76	ug/l	98
28) Bromochloromethane	5.03	49	57167	24.64	ug/l	97
29) Tetrahydrofuran	5.18	42	167121	117.08	ug/l	99
30) Chloroform	5.22	83	115513	21.06	ug/l	98
31) Cyclohexane	5.57	56	93149	20.35	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	96502	20.36	ug/l	100
36) 1,1-Dichloropropene	5.80	75	78714	18.98	ug/l	99
37) Ethyl Acetate	4.87	43	97892	22.65	ug/l	100
38) Carbon Tetrachloride	5.79	117	84959	19.55	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	92958	19.18	ug/l	98
40) Benzene	6.15	78	255319	20.89	ug/l	99
41) Methacrylonitrile	5.07	41	55620	22.25	ug/l	98
42) 1,2-Dichloroethane	6.21	62	90219	20.41	ug/l	98
43) Isopropyl Acetate	6.48	43	142380	21.05	ug/l	98
44) Trichloroethene	7.22	130	76322	20.12	ug/l	95
45) 1,2-Dichloropropane	7.52	63	66471	22.17	ug/l	99
46) Dibromomethane	7.67	93	44238	21.01	ug/l	97
47) Bromodichloromethane	7.90	83	80947	20.72	ug/l	100
48) Methyl methacrylate	7.79	41	76419	21.46	ug/l	96
49) 1,4-Dioxane	7.76	88	35382	516.06	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	507108	118.28	ug/l	100
52) Toluene	8.79	92	167821	21.37	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	90561	19.70	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	78652	19.41	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	59720	19.90	ug/l	99
56) Ethyl methacrylate	9.19	69	81115	19.06	ug/l	97
57) 1,3-Dichloropropane	9.38	76	95760	19.06	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	245994	112.35	ug/l	100
59) 2-Hexanone	9.51	43	321594	104.79	ug/l	100
60) Dibromochloromethane	9.59	129	59117	19.23	ug/l	100
61) 1,2-Dibromoethane	9.68	107	60709	19.32	ug/l	100
64) Tetrachloroethene	9.34	164	76091	20.59	ug/l	98
65) Chlorobenzene	10.14	112	158631	20.32	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	59462	21.56	ug/l	99
67) Ethyl Benzene	10.26	91	254066	20.36	ug/l	99
68) m/p-Xylenes	10.37	106	202195	41.07	ug/l	100
69) o-Xylene	10.71	106	99022	21.00	ug/l	99
70) Styrene	10.72	104	160795	20.68	ug/l	99
71) Bromoform	10.86	173	47894	20.50	ug/l #	99
73) Isopropylbenzene	11.02	105	264580	22.52	ug/l	100
74) N-amyl acetate	6.48	43	142380	25.27	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	83809	23.78	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	80371m	23.69	ug/l	
77) Bromobenzene	11.26	156	76674	22.21	ug/l	100
78) n-propylbenzene	11.37	91	283581	21.42	ug/l	98
79) 2-Chlorotoluene	11.43	91	175965	22.23	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	221297	22.96	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	18444	18.43	ug/l	92
82) 4-Chlorotoluene	11.52	91	200755	21.52	ug/l	99
83) tert-Butylbenzene	11.77	119	215707	22.49	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	226002	22.64	ug/l	99
85) sec-Butylbenzene	11.95	105	262317	22.15	ug/l	100
86) p-Isopropyltoluene	12.07	119	234865	21.43	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	133973	20.98	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	135459	20.52	ug/l	99
89) n-Butylbenzene	12.40	91	173323	18.29	ug/l	100
90) Hexachloroethane	12.60	117	37777	22.20	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	137556	21.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	17895	23.79	ug/l	98

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ALS Vial : 31 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VX0518WBSD02

Manual Integrations
APPROVED

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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	97729	19.27	ug/l	99
94) Hexachlorobutadiene	13.79	225	53493	19.65	ug/l	99
95) Naphthalene	13.84	128	288715	21.90	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	105180	20.60	ug/l	99

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

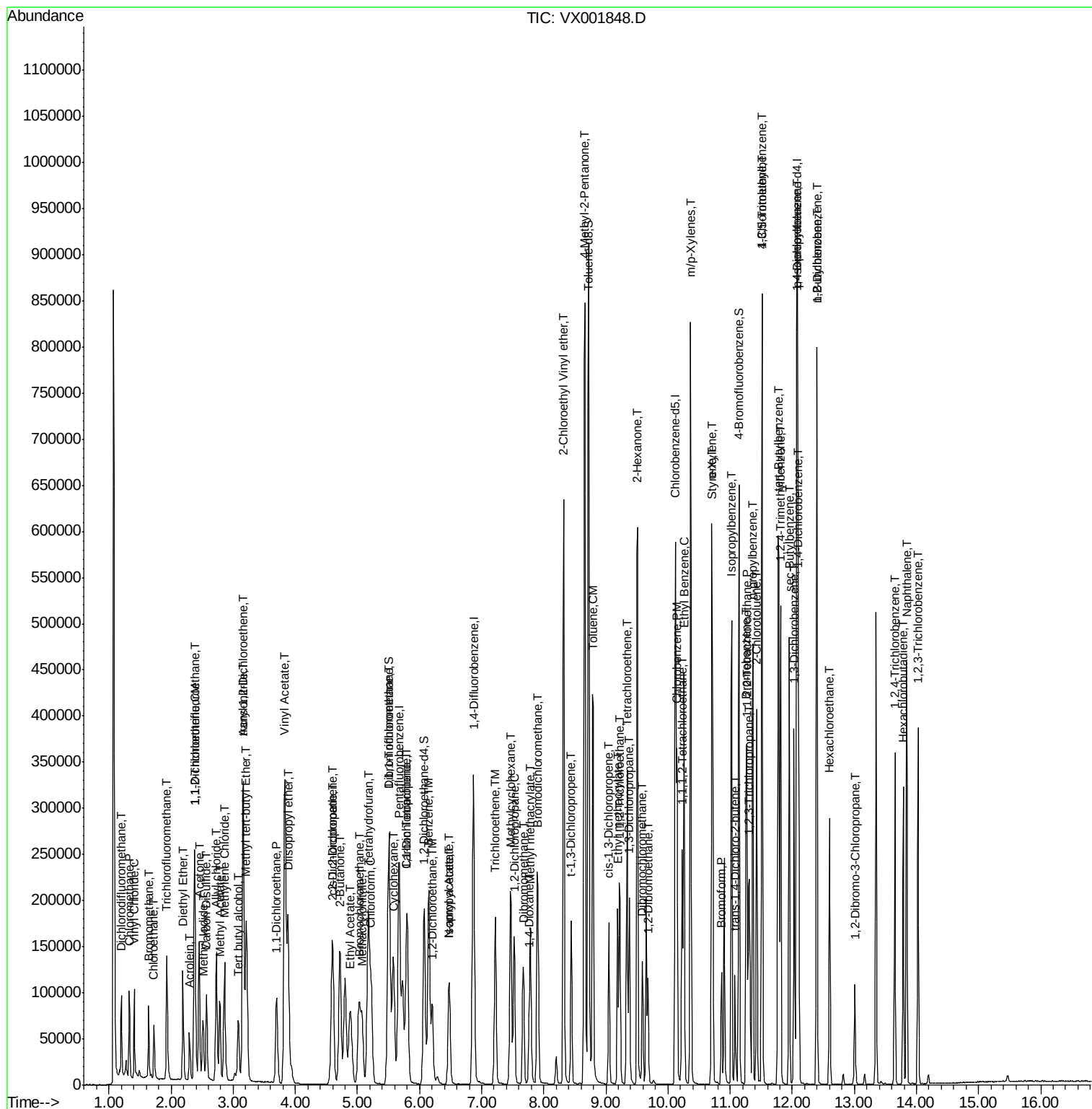
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
Data File : VX001848.D
Acq On : 19 May 2018 02:00
Operator : JC/MD
Sample : VX0518WBSD02
Misc : 5.0mL/MSVOA X/WATER
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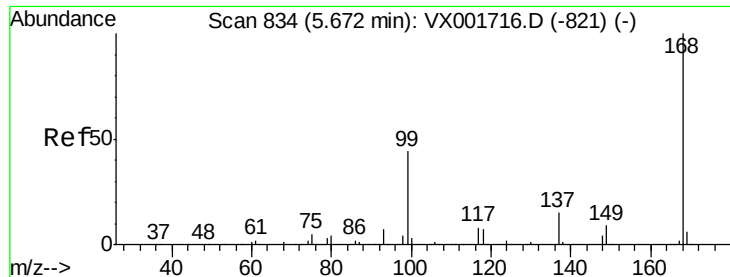
Instrument :
MSVOA_X
Client Sample ID :
VX0518WBSD02

Manual Integrations
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MMDadoda
5/21/2018 2:40:40 PM

Quant Time: May 19 05:37:18 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD02

Tot Ion:168 Resp: 271691

Ion Ratio Lower Upper

168 100

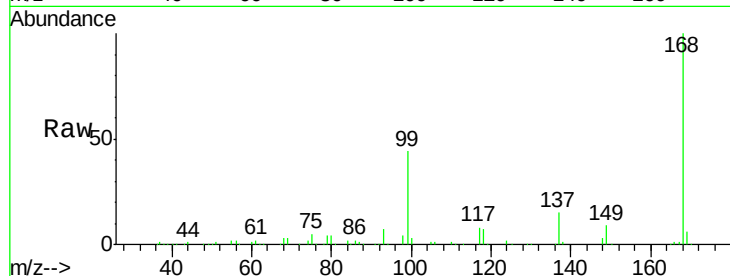
99 44.0 35.0 52.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

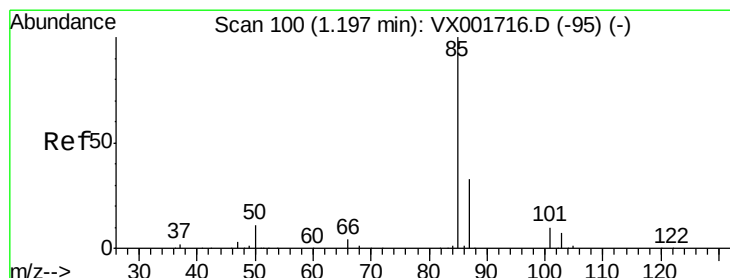
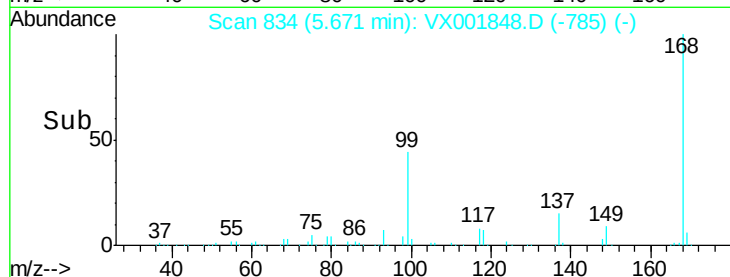
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.25 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001848.D

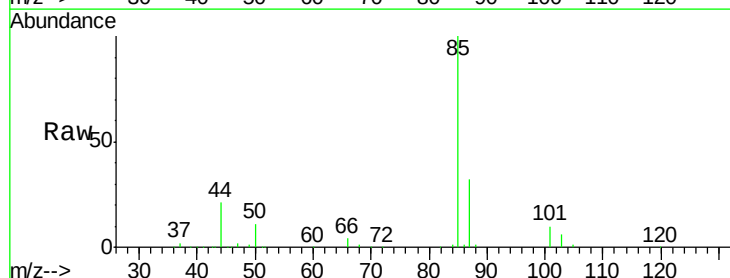
Acq: 19 May 2018 02:00

Tgt Ion: 85 Resp: 49748

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

50000

40000

30000

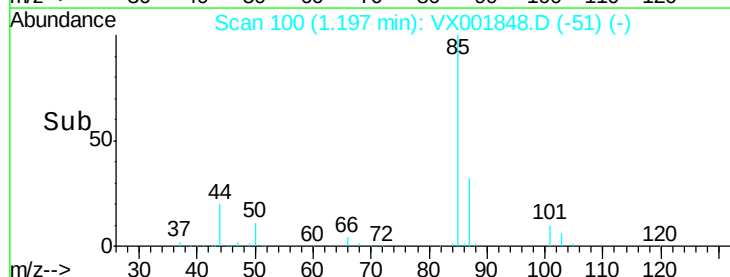
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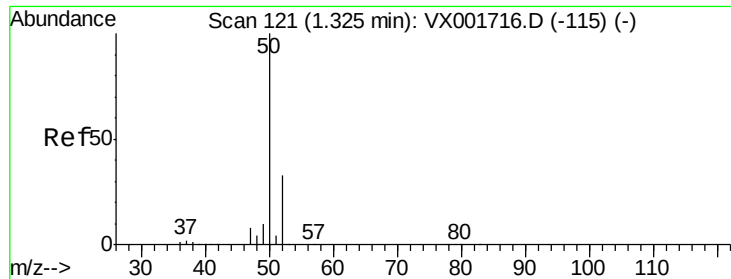
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 20.63 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD02

Tot Ion: 50 Resp: 60763

Ion Ratio Lower Upper

50 100

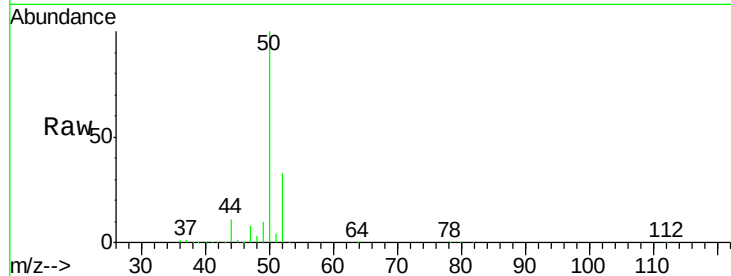
52 32.5 26.3 39.5

Manual Integrations

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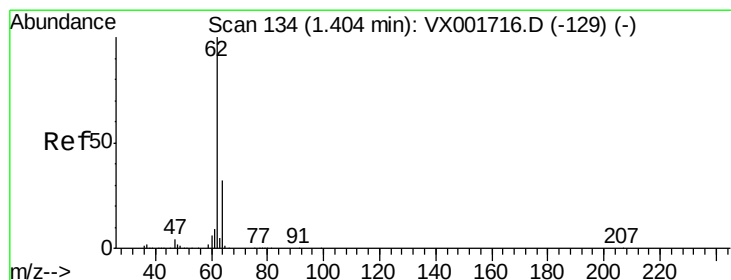
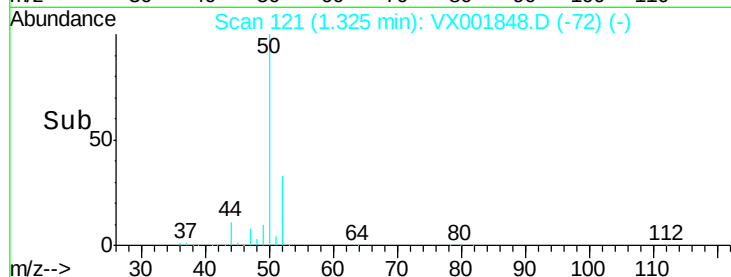
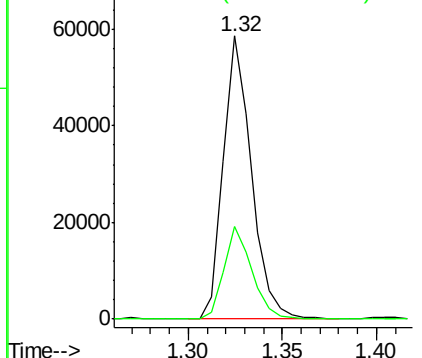
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.76 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001848.D

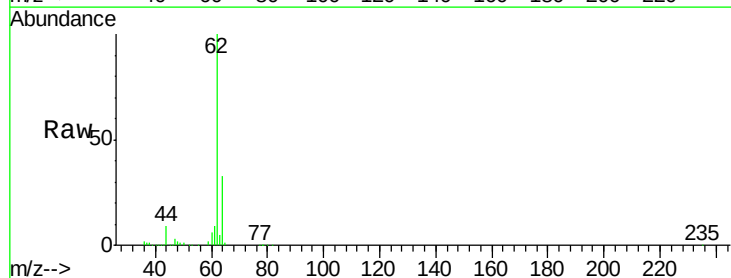
Acq: 19 May 2018 02:00

Tgt Ion: 62 Resp: 62916

Ion Ratio Lower Upper

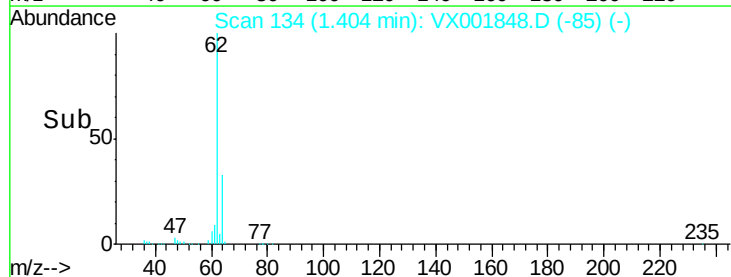
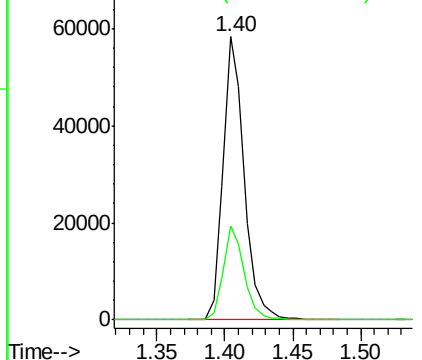
62 100

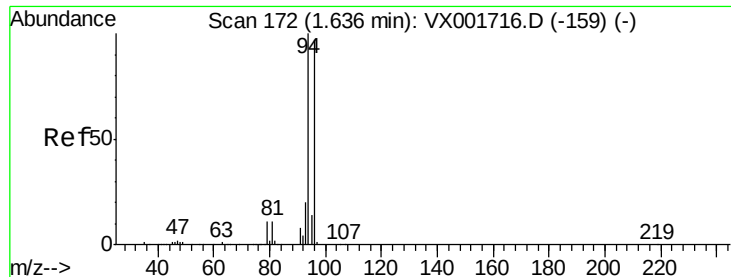
64 33.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.68 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD02

Tot Ion: 94 Resp: 33973

Ion Ratio Lower Upper

94 100

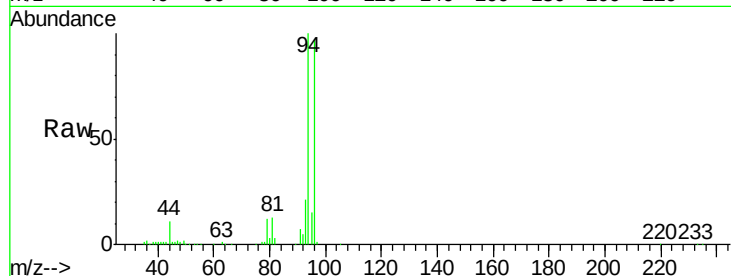
96 97.4 77.4 116.0

Manual Integrations

APPROVED

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

30000

25000

20000

15000

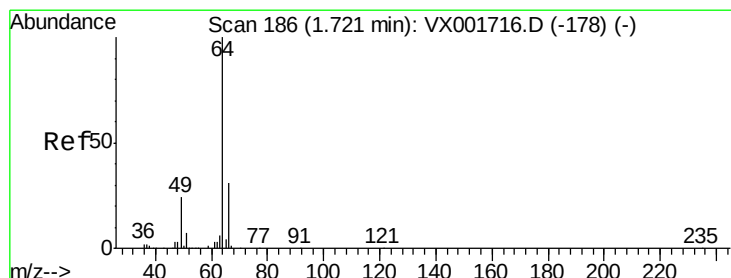
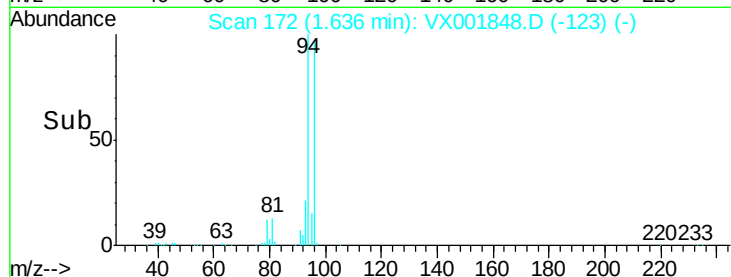
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5000

0

1.60 1.65 1.70 1.75

Time-->



#6

Chloroethane

Concen: 21.80 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX001848.D

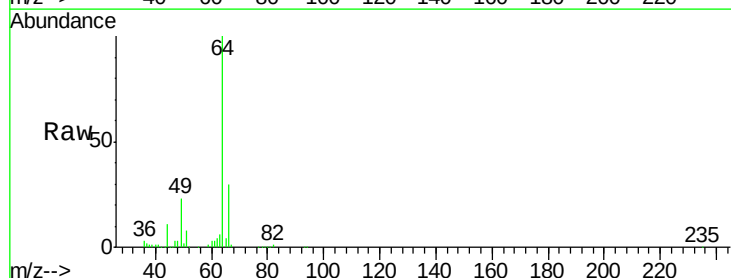
Acq: 19 May 2018 02:00

Tgt Ion: 64 Resp: 43730

Ion Ratio Lower Upper

64 100

66 30.5 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

30000

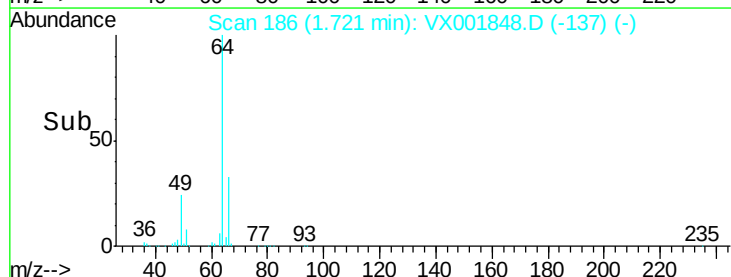
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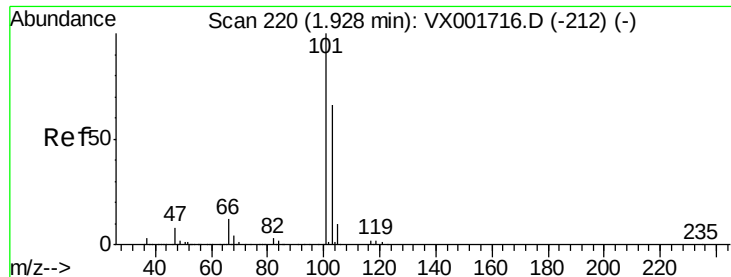
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0

1.60 1.70 1.80

Time-->





#7

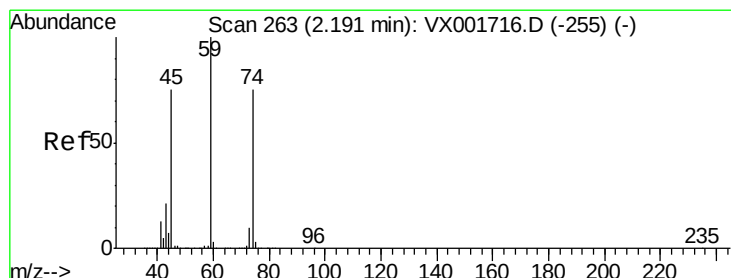
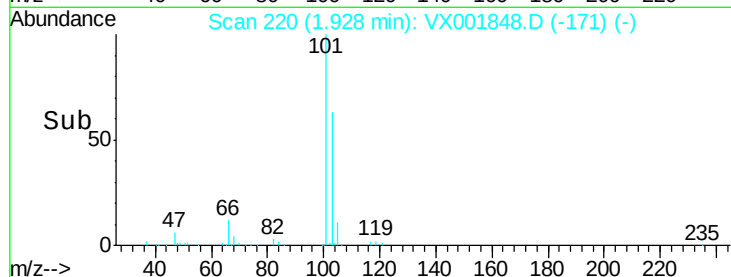
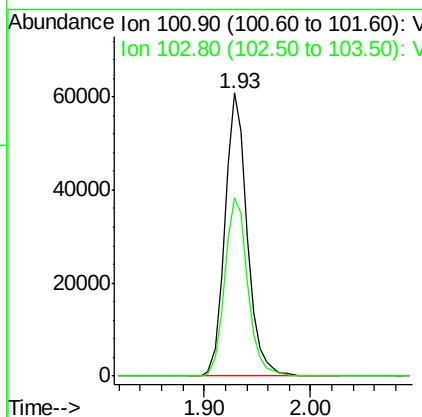
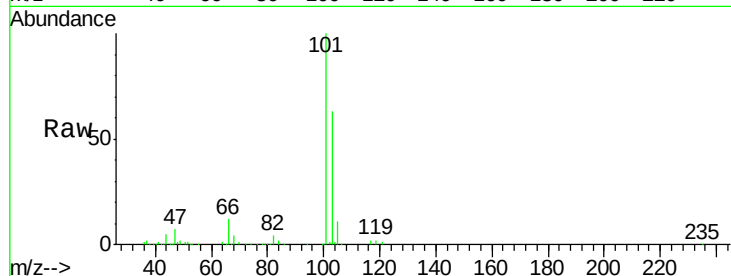
Trichlorofluoromethane
 Concen: 19.24 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX0518WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	52.6	78.8

Manual Integrations
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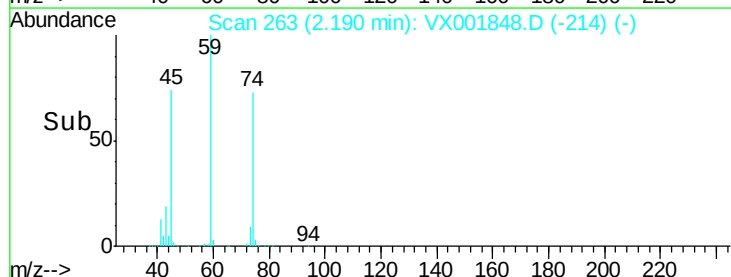
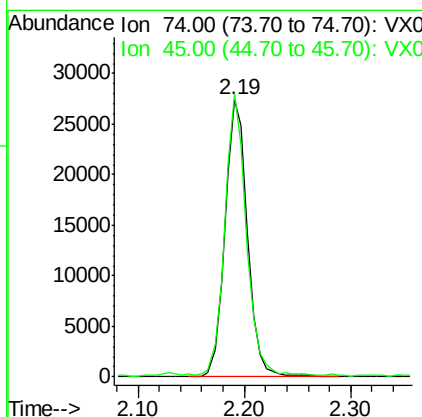
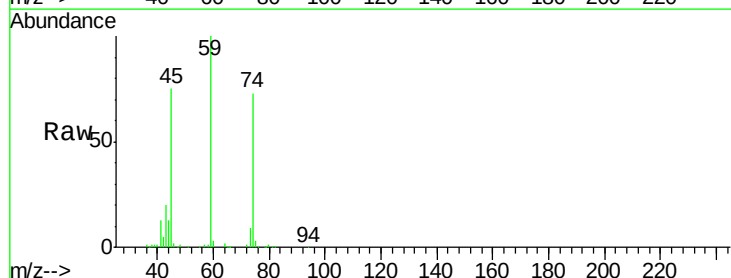
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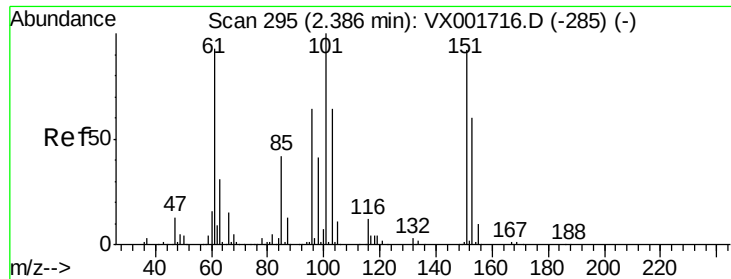


#8

Diethyl Ether
 Concen: 21.18 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.55 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

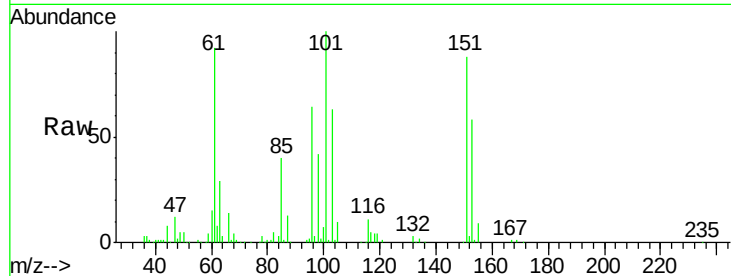
ClientSampleId :

VX0518WBSD02

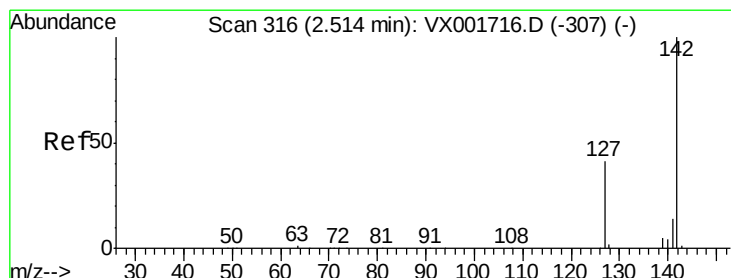
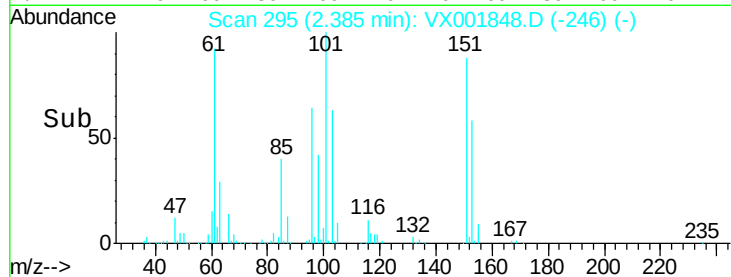
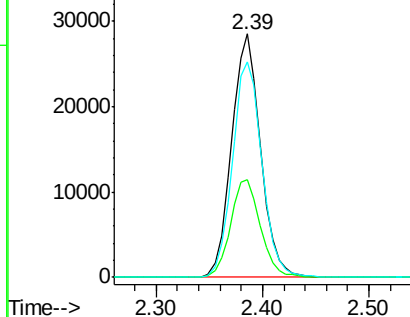
Tot Ion:	101	Resp:	54451
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.7	50.5
151	89.9	73.0	109.6

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 27.17 ug/l

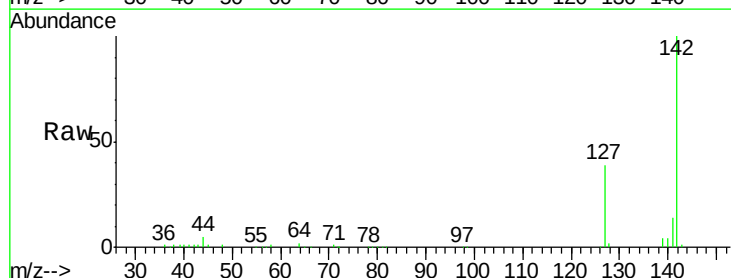
RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

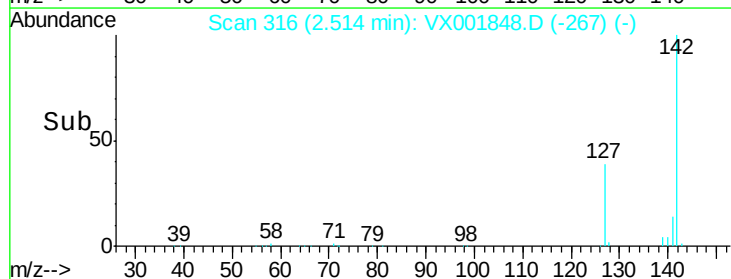
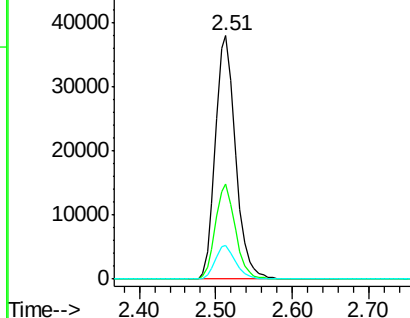
Lab File: VX001848.D

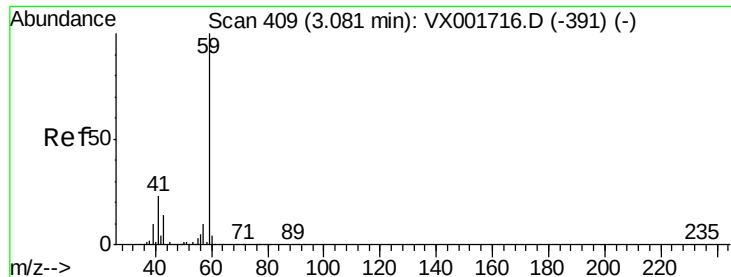
Acq: 19 May 2018 02:00

Tgt Ion:	142	Resp:	69632
Ion Ratio	Lower	Upper	
142	100		
127	38.7	32.5	48.7
141	13.9	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





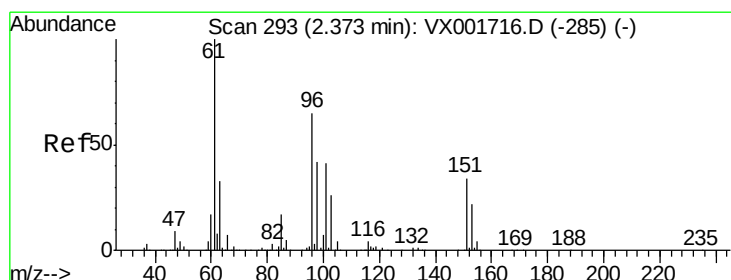
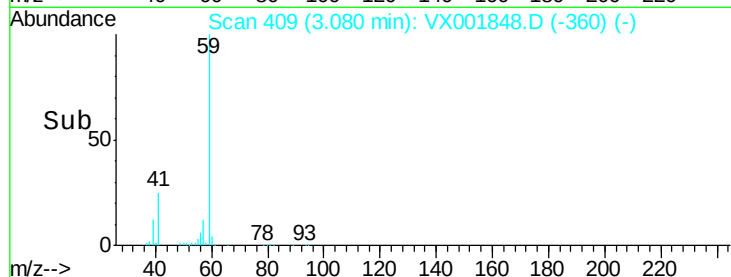
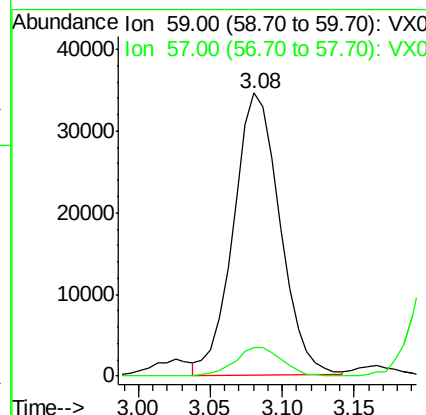
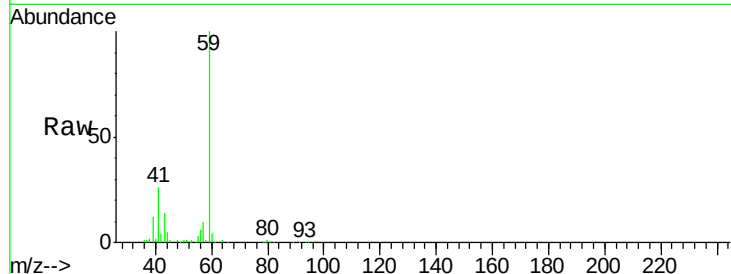
#11
Tert butyl alcohol
Concen: 119.71 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7

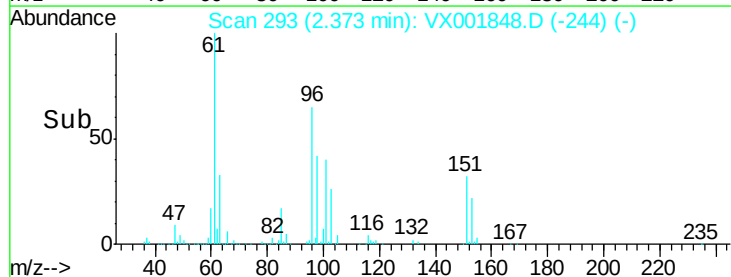
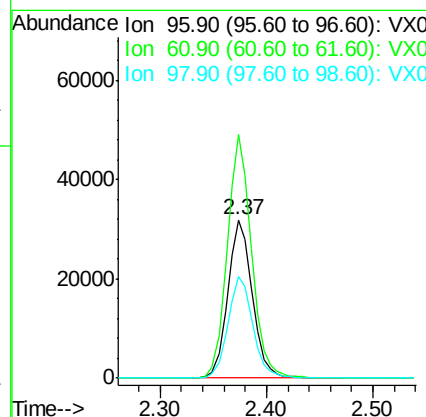
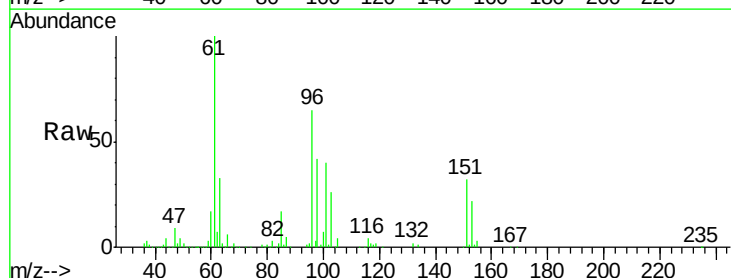
Manual Integrations
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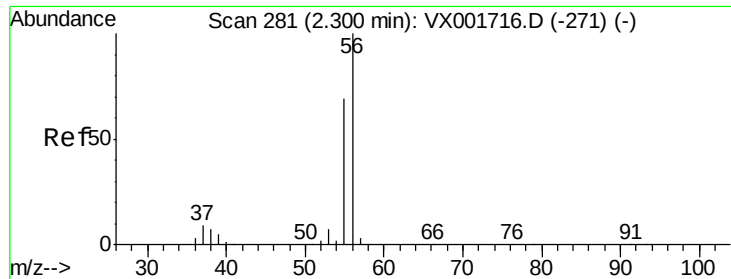
MMDadoda
5/21/2018 2:40:40 PM



#12
1,1-Dichloroethene
Concen: 19.10 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.9	122.2	183.2
98	64.4	51.4	77.0





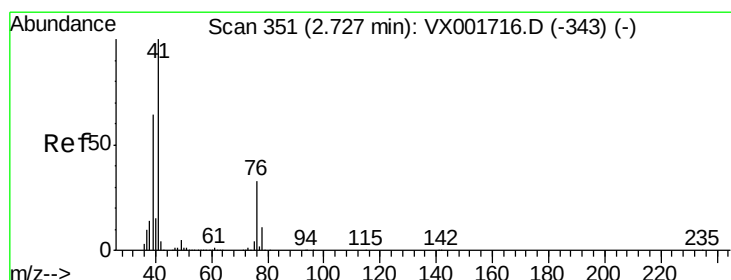
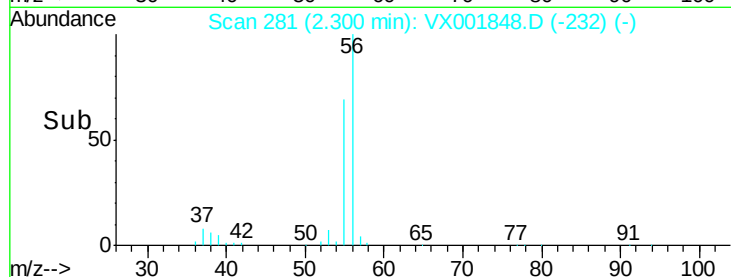
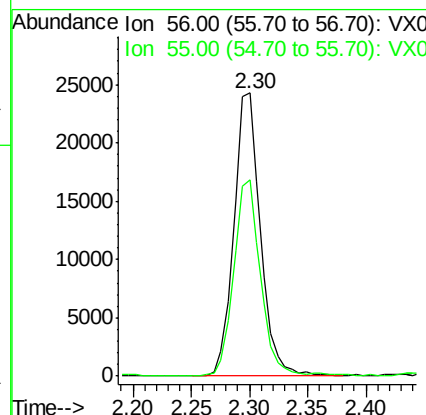
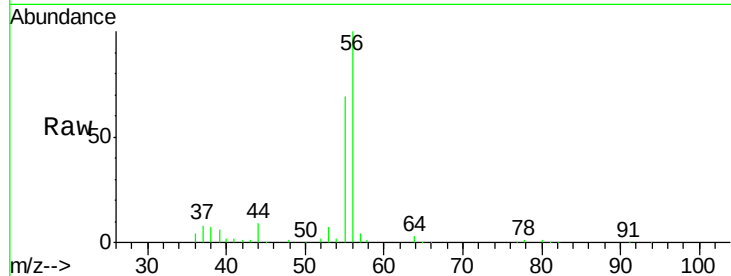
#13
Acrolein
Concen: 84.46 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.1	56.2	84.2

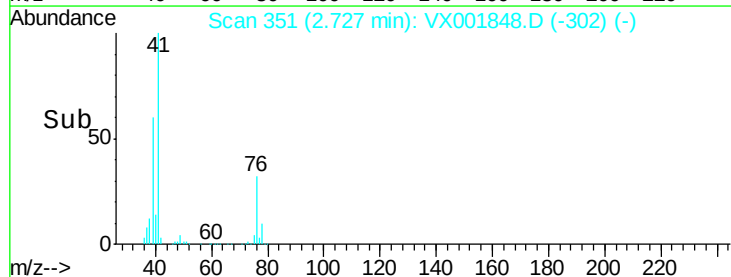
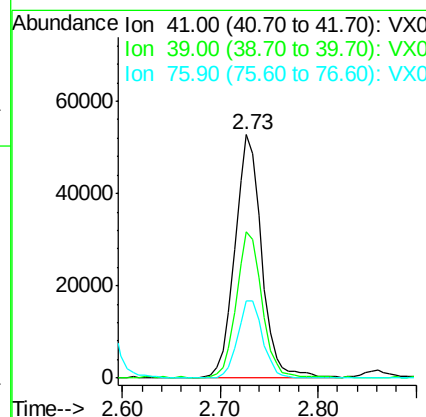
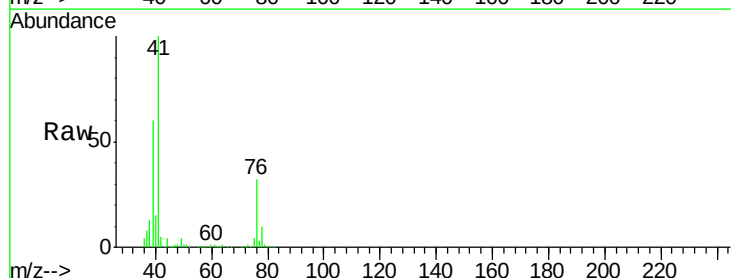
Manual Integrations
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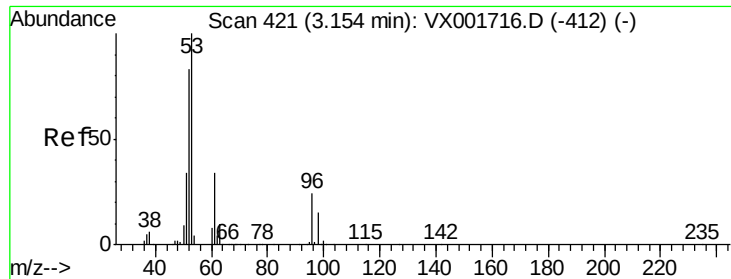
MMDadoda
5/21/2018 2:40:40 PM



#14
Allyl chloride
Concen: 19.96 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.3	49.8	74.6
76	30.3	25.8	38.8





#15

Acrylonitrile

Concen: 112.55 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

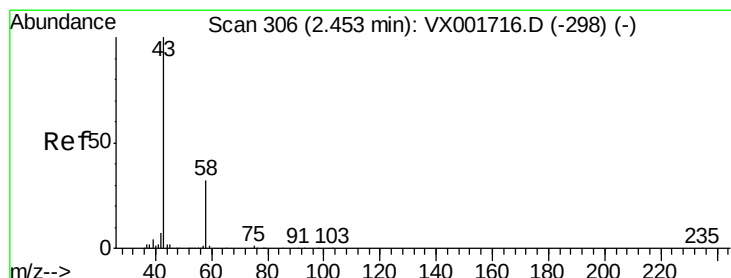
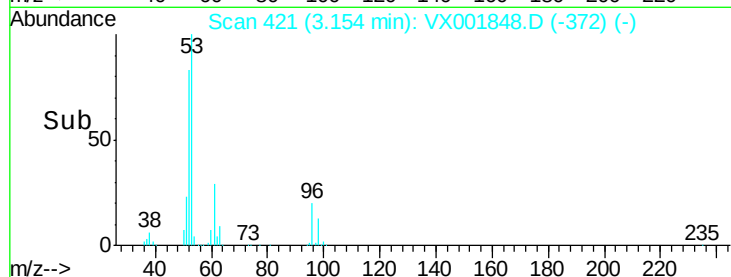
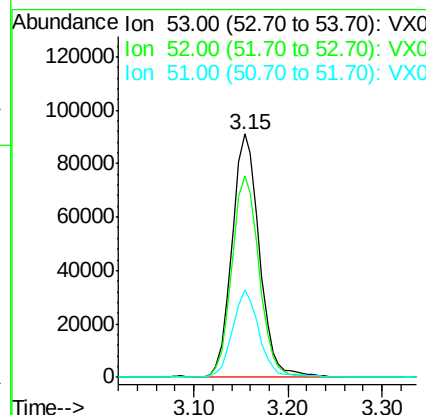
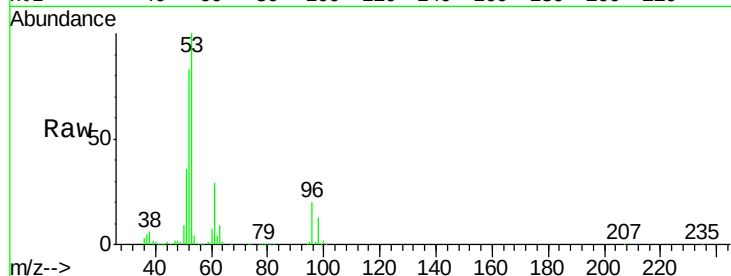
ClientSampleId :

VX0518WBSD02

Tot Ion:	53	Resp:	182779
Ion Ratio		Lower	Upper
53	100		
52	82.9	65.6	98.4
51	35.5	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 108.95 ug/l

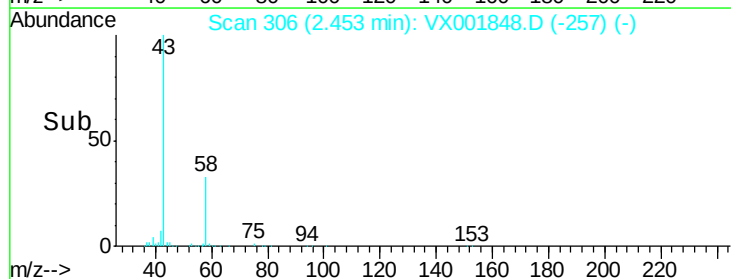
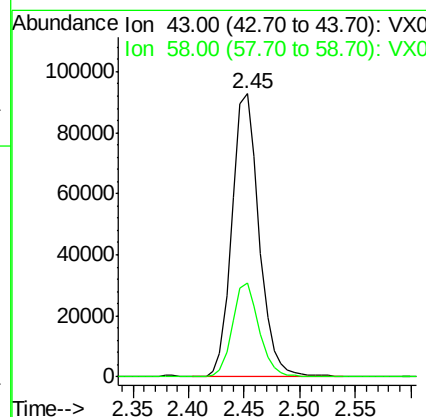
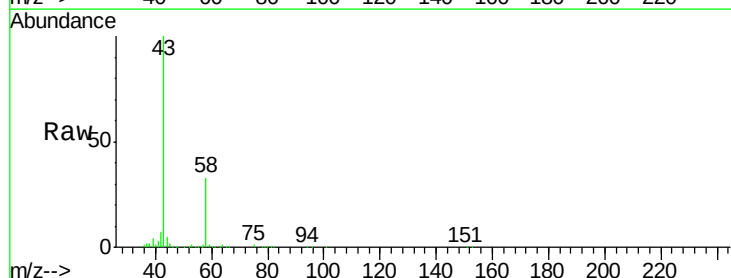
RT: 2.45 min Scan# 306

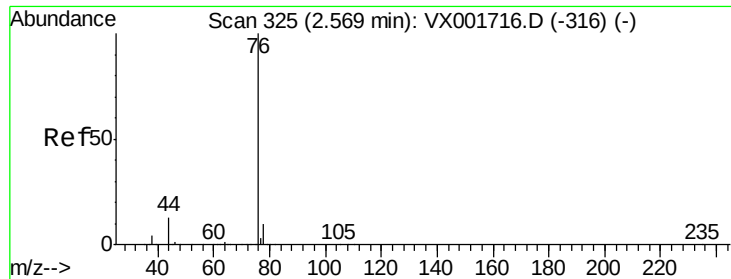
Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Tgt Ion:	43	Resp:	155835
Ion Ratio		Lower	Upper
43	100		
58	33.4	25.3	37.9





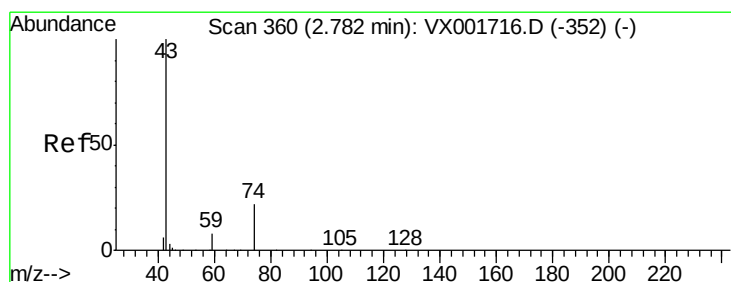
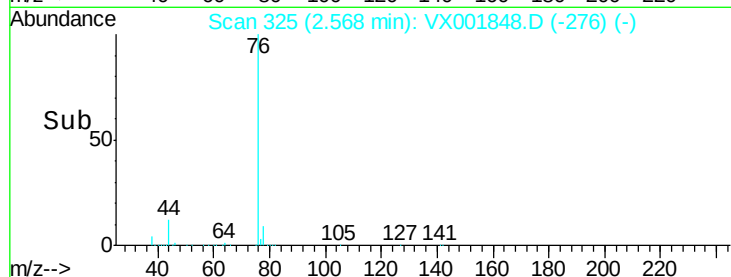
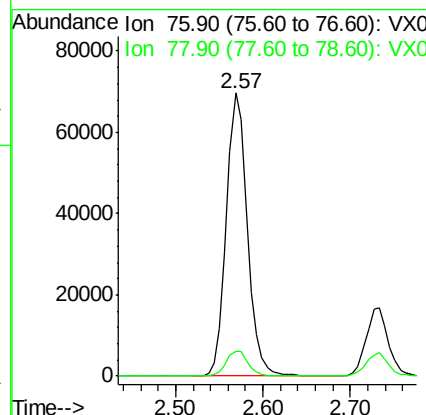
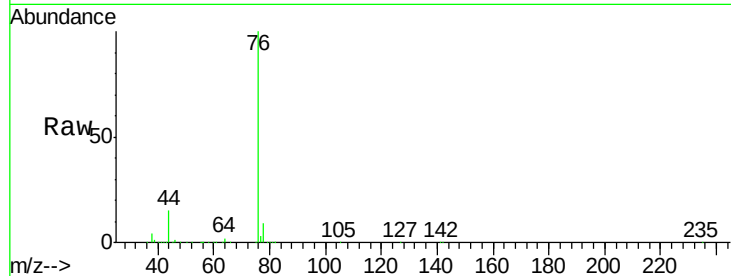
#17
Carbon Disulfide
Concen: 16.61 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4

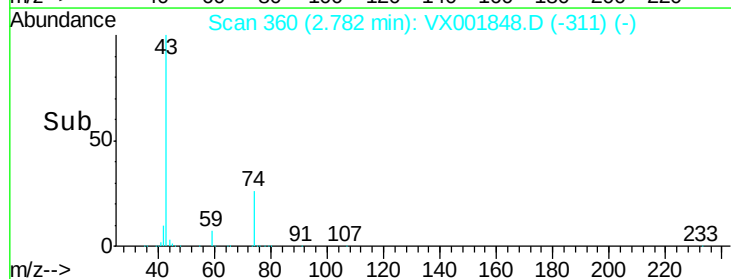
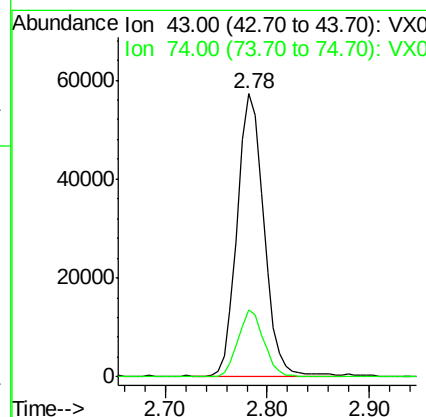
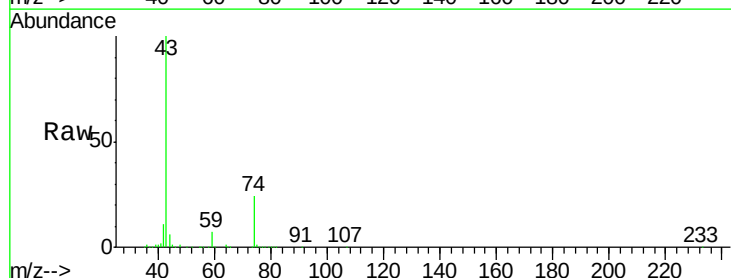
Manual Integrations
APPROVED

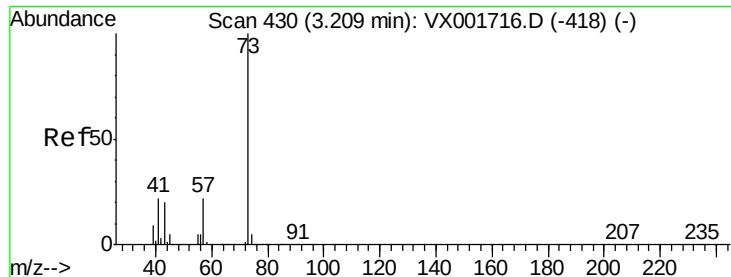
MMDadoda
5/21/2018 2:40:40 PM



#18
Methyl Acetate
Concen: 24.65 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.2	27.2





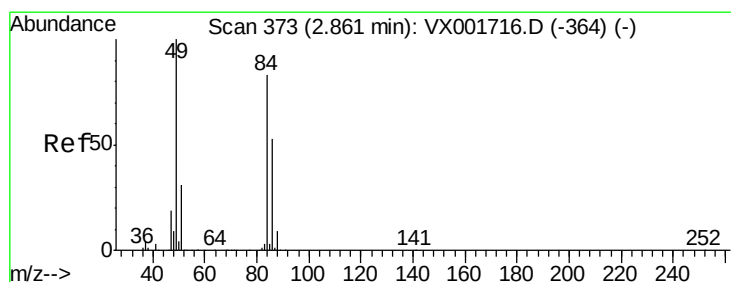
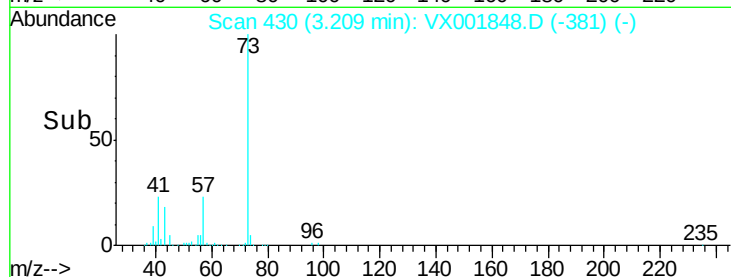
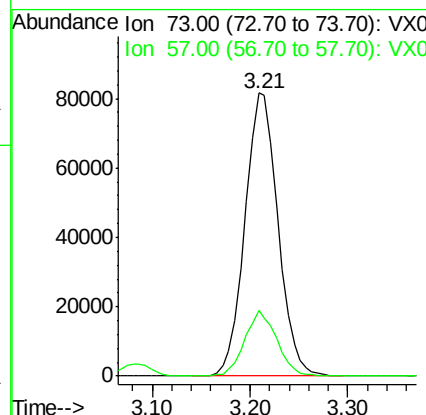
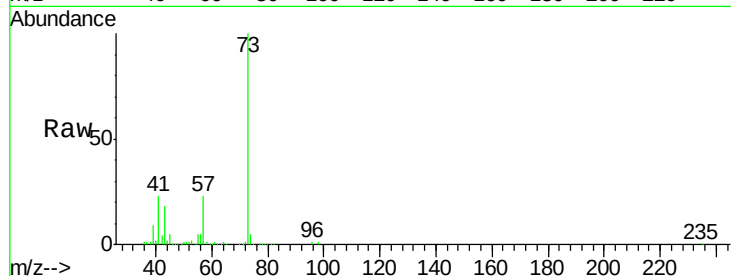
#19
Methvl tert-butvl Ether
Concen: 21.12 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD02

Tot Ion	73	Resp	191189
Ion Ratio	Lower	Upper	
73	100		
57	23.1	17.5	26.3

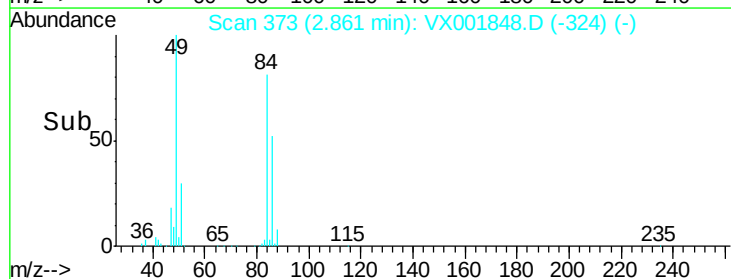
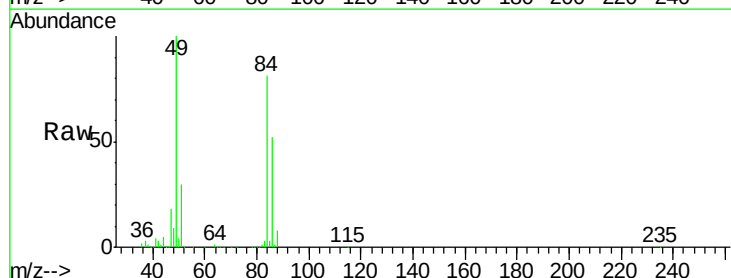
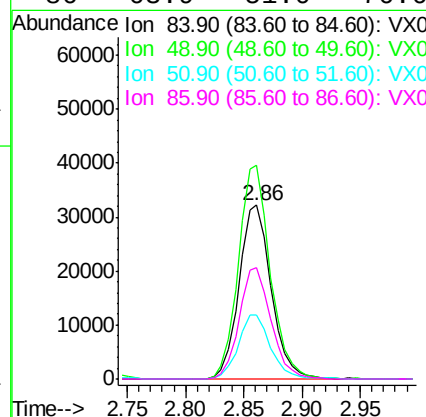
Manual Integrations
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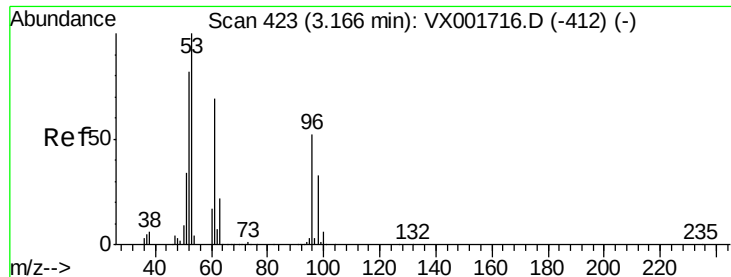
MMDadoda
5/21/2018 2:40:40 PM



#20
Methylene Chloride
Concen: 20.24 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Tgt Ion	84	Resp	61978
Ion Ratio	Lower	Upper	
84	100		
49	123.1	96.3	144.5
51	36.9	29.8	44.6
86	63.9	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 18.73 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

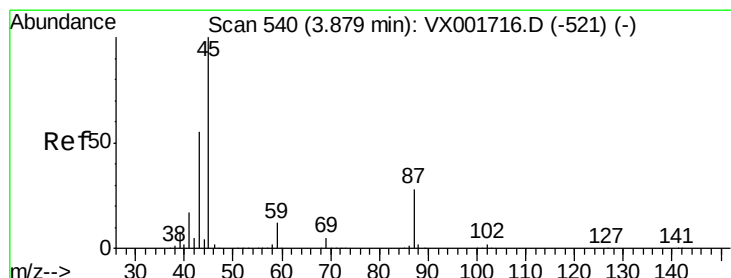
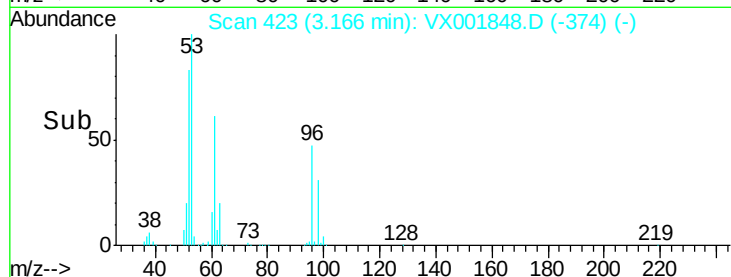
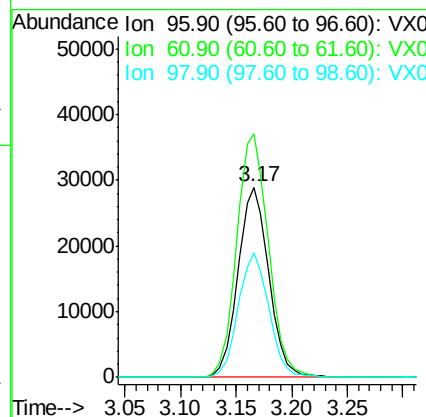
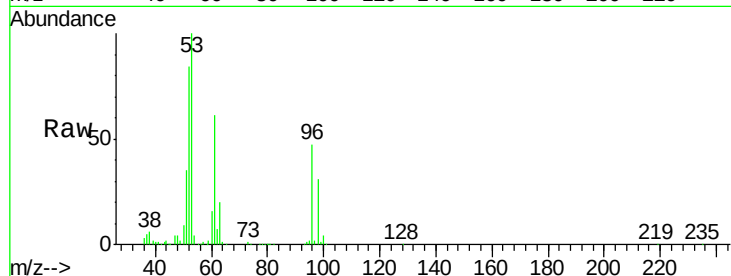
ClientSampleId :

VX0518WBSD02

Tot Ion:	96	Resp:	55395
Ion	Ratio	Lower	Upper
96	100		
61	128.0	105.8	158.8
98	65.4	50.2	75.4

Manual Integrations
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MMDadoda
5/21/2018 2:40:40 PM



#22

Diisopropyl ether

Concen: 21.47 ug/l

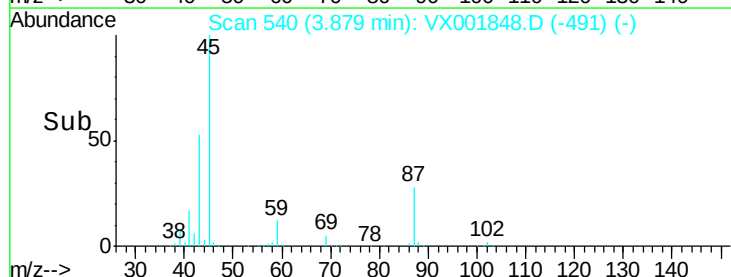
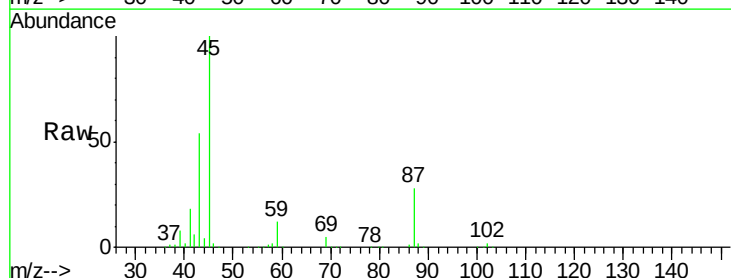
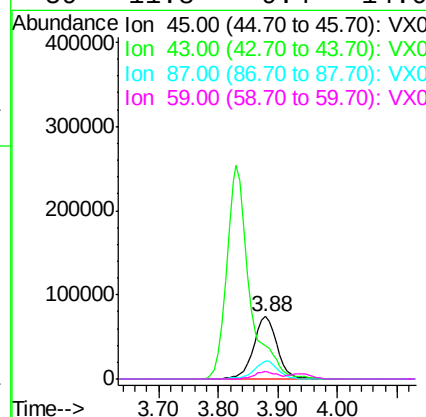
RT: 3.88 min Scan# 540

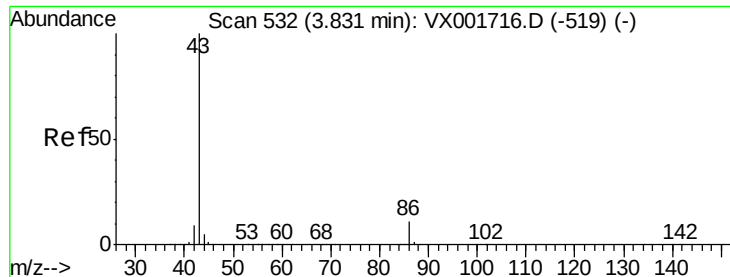
Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Tgt Ion:	45	Resp:	204402
Ion	Ratio	Lower	Upper
45	100		
43	53.6	44.3	66.5
87	27.9	22.6	33.8
59	11.8	9.4	14.0





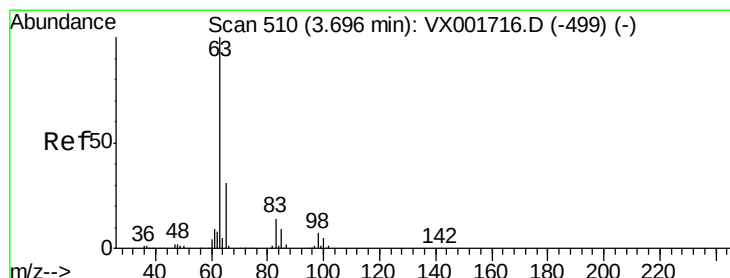
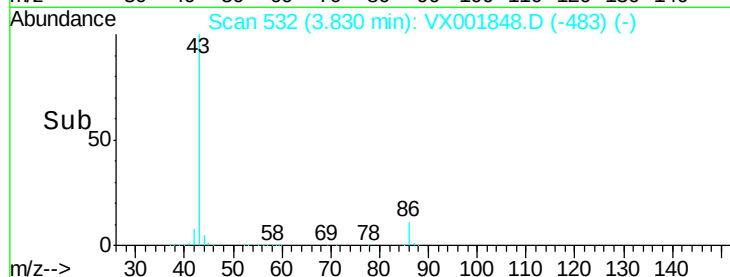
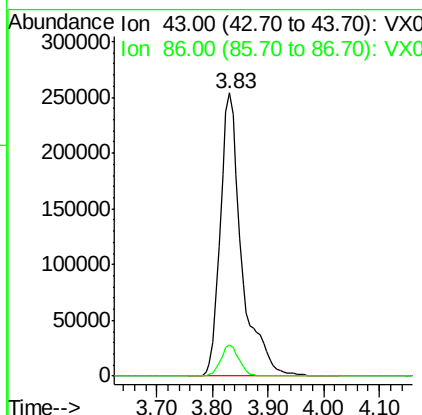
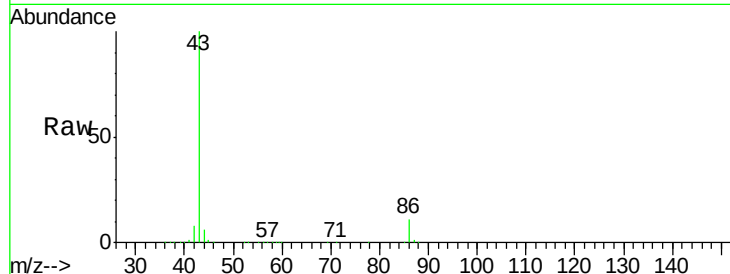
#23
 Vinyl Acetate
 Concen: 98.42 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.7	13.1

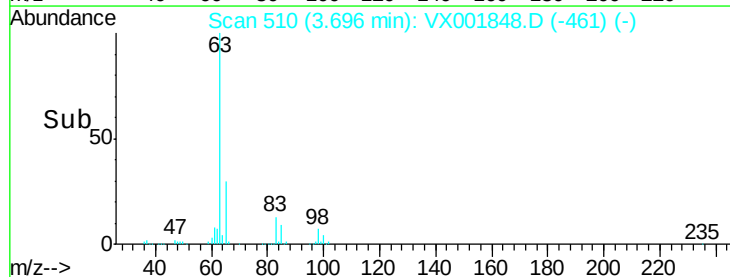
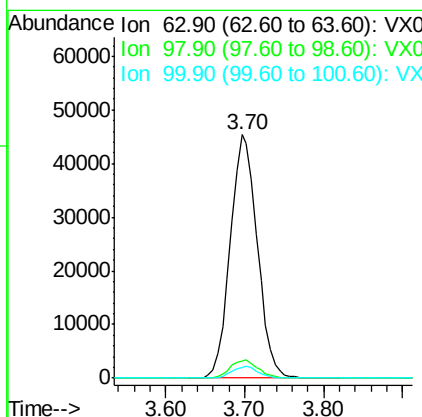
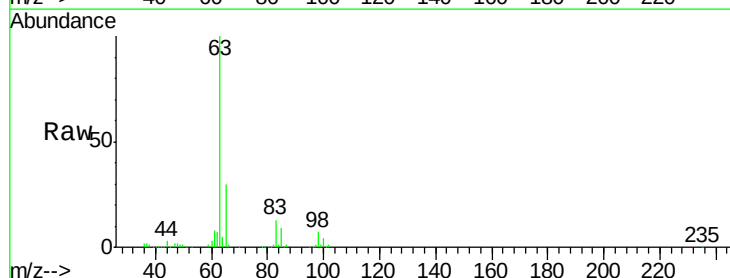
Manual Integrations
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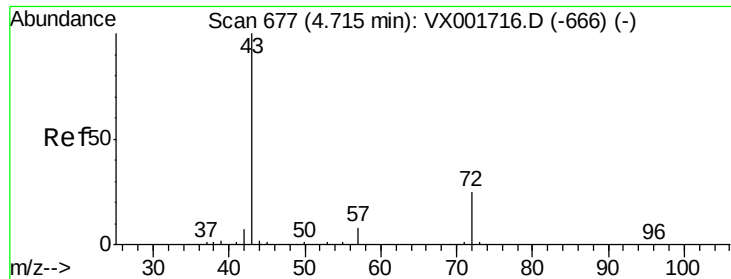
MMDadoda
 5/21/2018 2:40:40 PM



#24
 1,1-Dichloroethane
 Concen: 20.69 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.7	11.1
100	4.4	2.4	7.2





#25

2-Butanone

Concen: 119.30 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD02

Tot Ion: 43 Resp: 261251

Ion Ratio Lower Upper

43 100

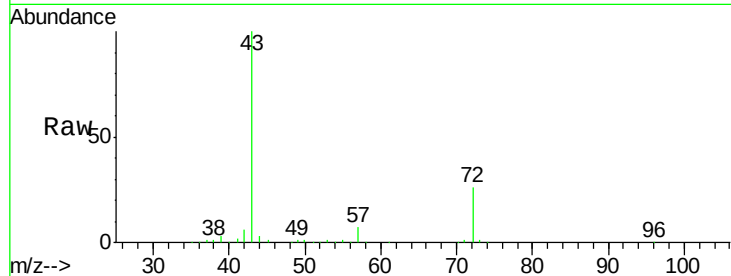
72 25.9 19.8 29.6

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

100000

80000

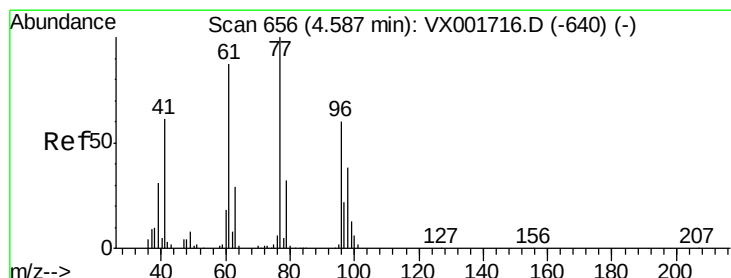
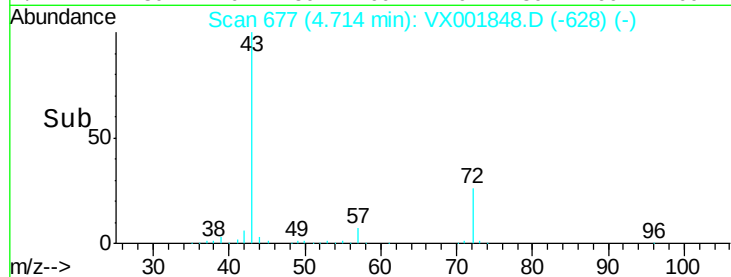
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 13.86 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001848.D

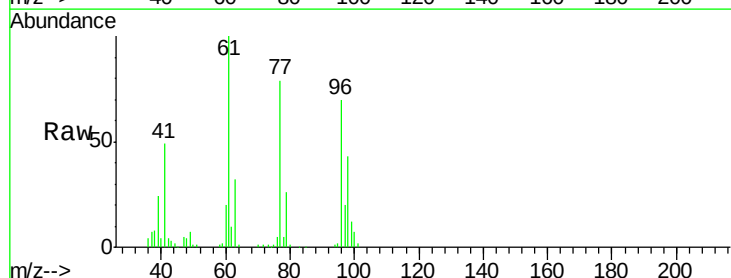
Acq: 19 May 2018 02:00

Tgt Ion: 77 Resp: 58289

Ion Ratio Lower Upper

77 100

97 26.0 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

20000

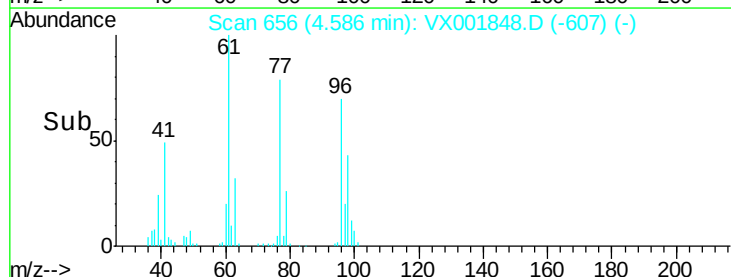
15000

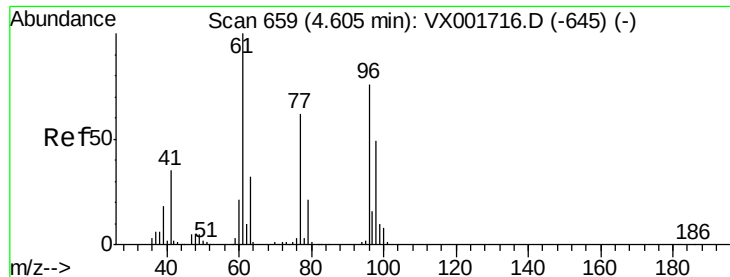
10000

5000

0

Time-->





#27

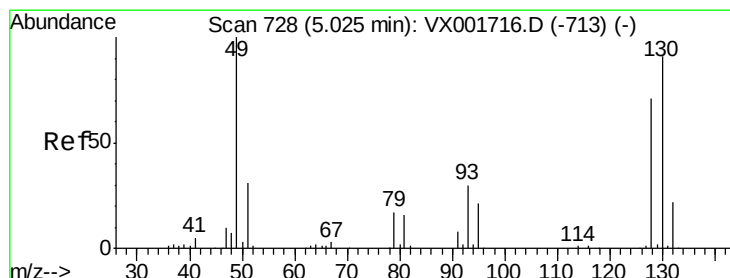
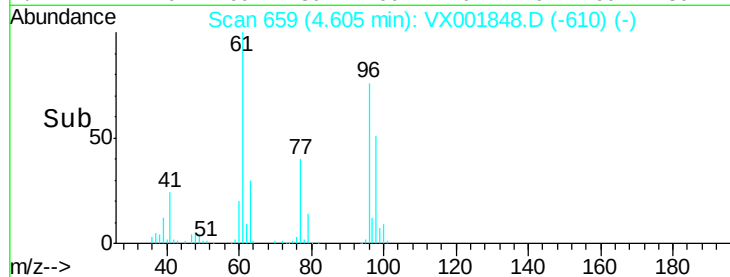
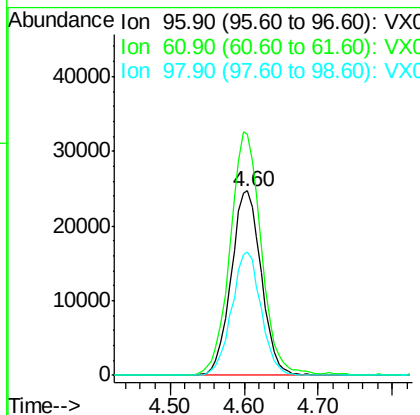
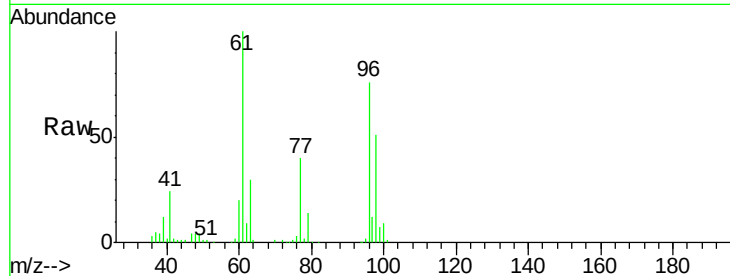
cis-1,2-Dichloroethene
Concen: 20.76 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Instrument :
MSVOA_X
ClientSampled :
VX0518WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	69889		
61	137.0		0.0	280.4
98	65.2		0.0	128.4

Manual Integrations
APPROVED

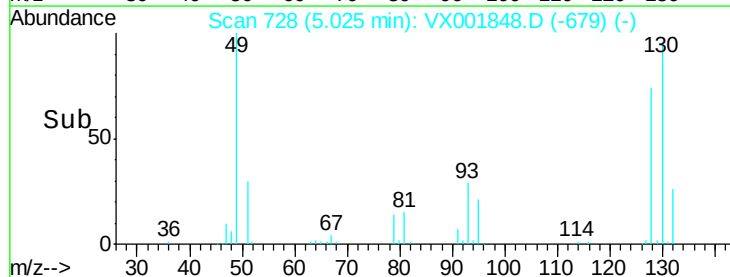
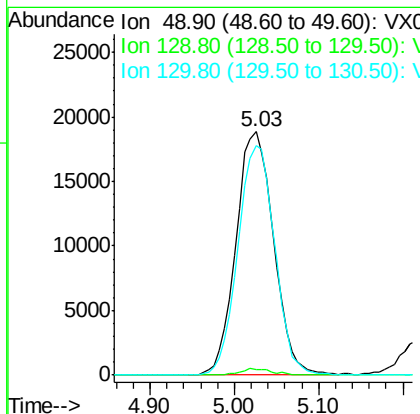
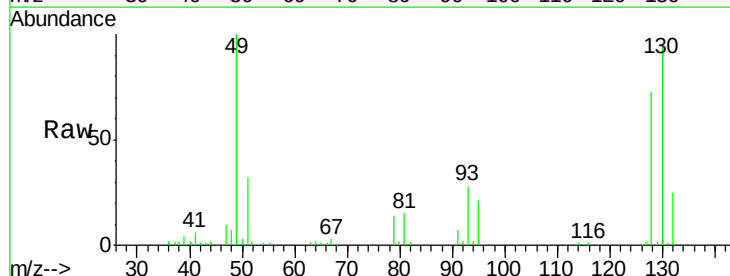
MMDadoda
5/21/2018 2:40:40 PM

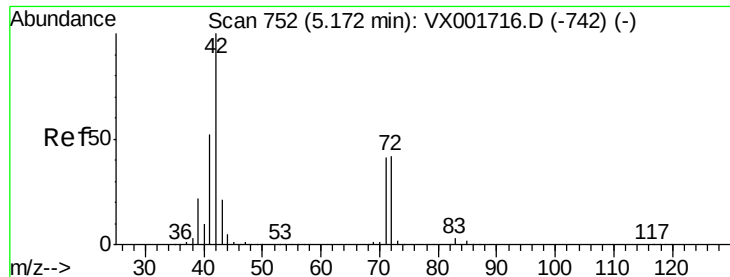


#28

Bromochloromethane
Concen: 24.64 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	57167		
129	2.3		0.0	5.0
130	92.2		71.8	107.6





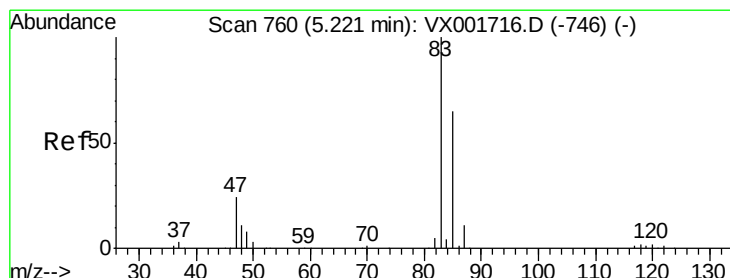
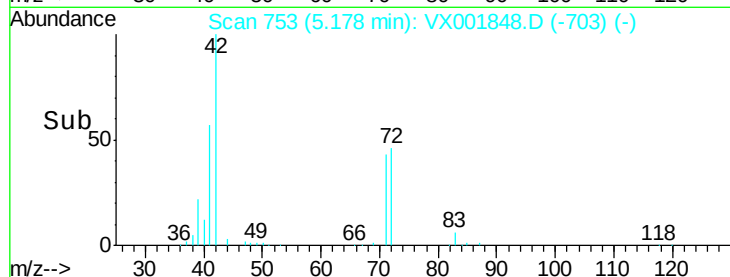
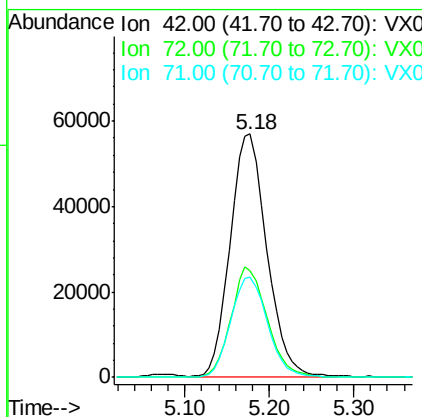
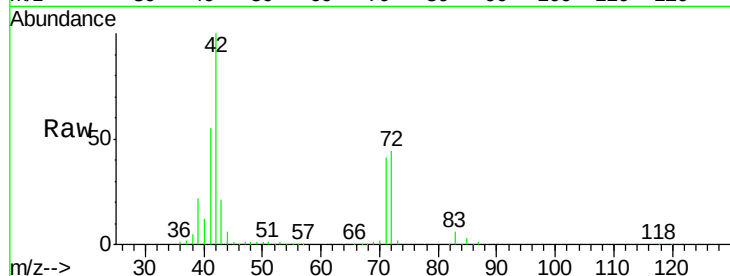
#29
Tetrahydrofuran
Concen: 117.08 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.4	53.2
71	41.8	33.2	49.8

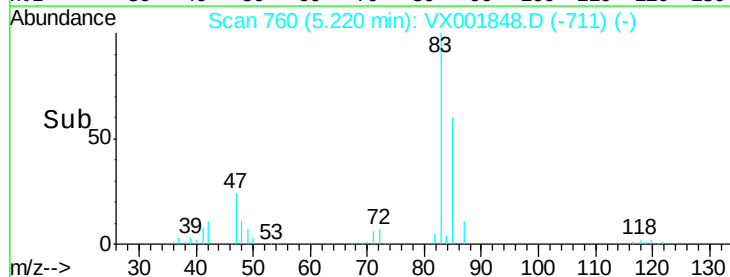
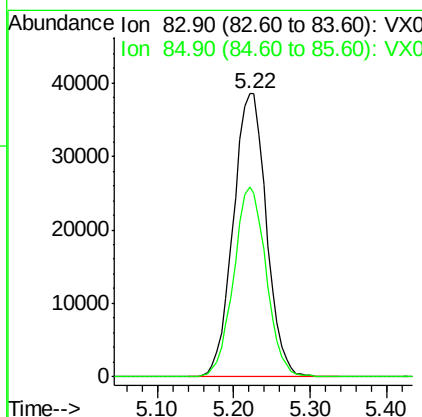
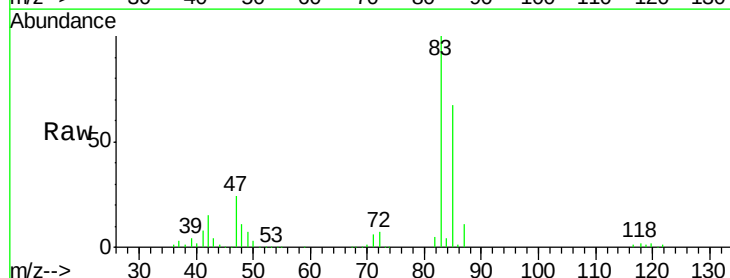
Manual Integrations
APPROVED

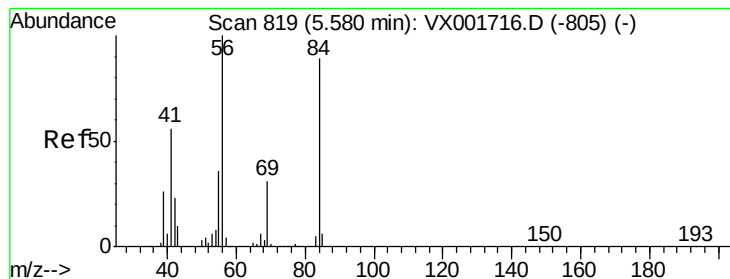
MMDadoda
5/21/2018 2:40:40 PM



#30
Chloroform
Concen: 21.06 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.3	78.5





#31

Cyclohexane

Concen: 20.35 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

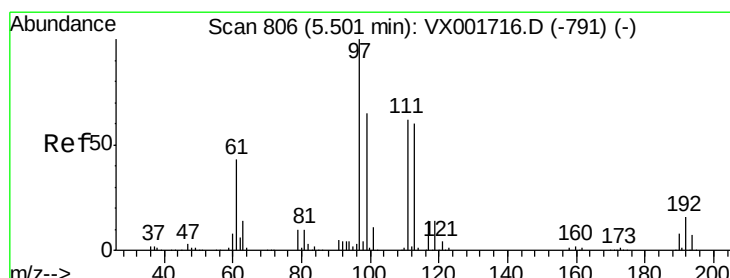
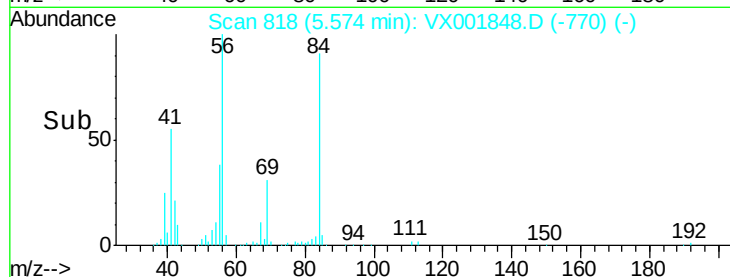
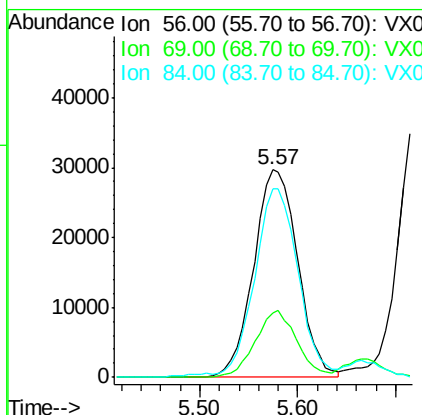
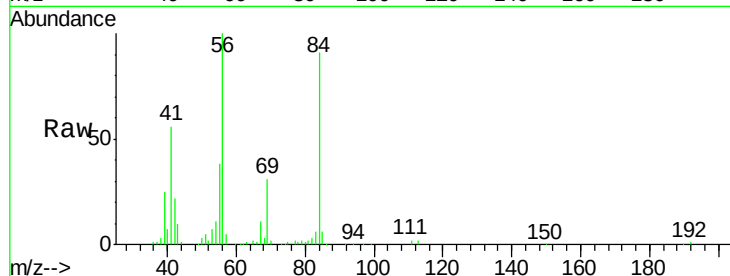
ClientSampleId :

VX0518WBSD02

Tot Ion:	56	Resp:	93149
Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.0	37.6
84	89.7	71.0	106.4

Manual Integrations
APPROVED

MMDadoda
5/21/2018 2:40:40 PM



#32

1,1,1-Trichloroethane

Concen: 20.36 ug/l

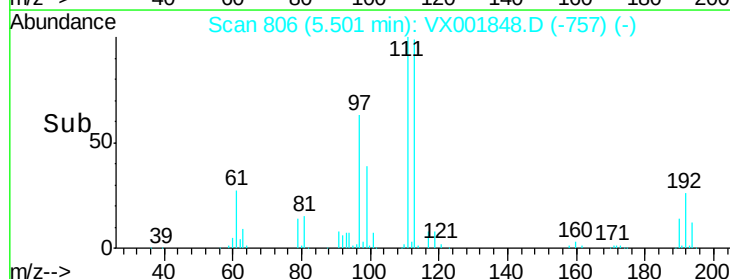
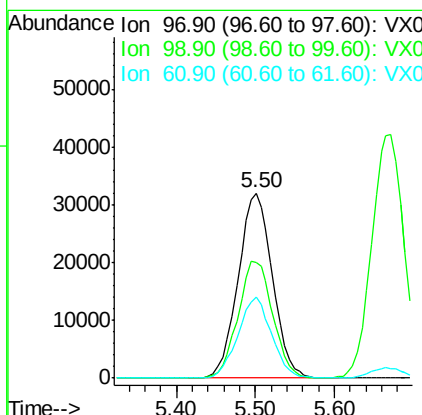
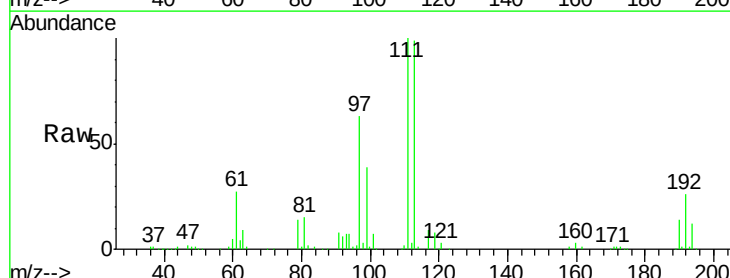
RT: 5.50 min Scan# 806

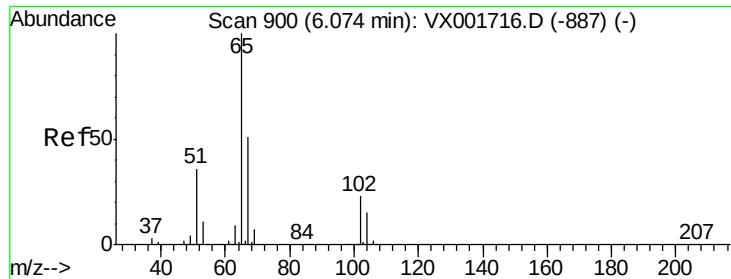
Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Tgt Ion:	97	Resp:	96502
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	42.9	34.0	51.0





#33

1,2-Dichloroethane-d4

Concen: 47.77 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD02

Tot Ion: 65 Resp: 173948

Ion Ratio Lower Upper

65 100

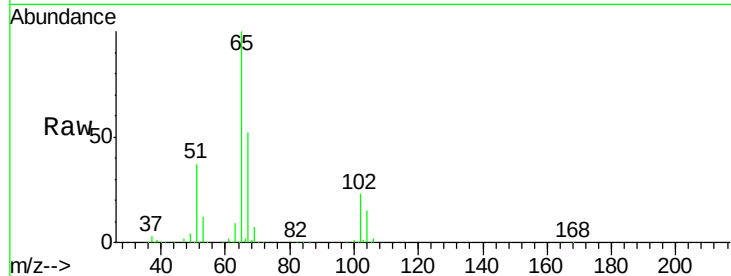
67 53.3 0.0 102.8

Manual Integrations

APPROVED

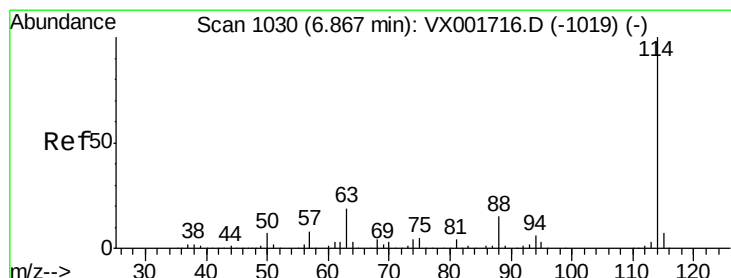
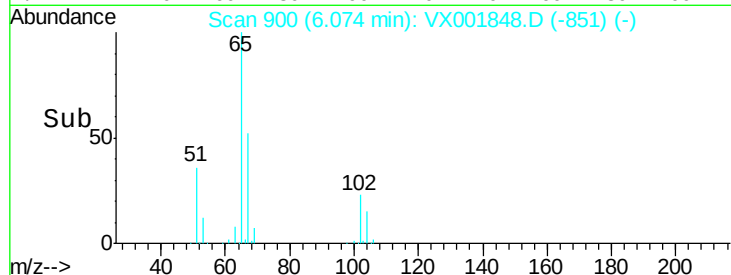
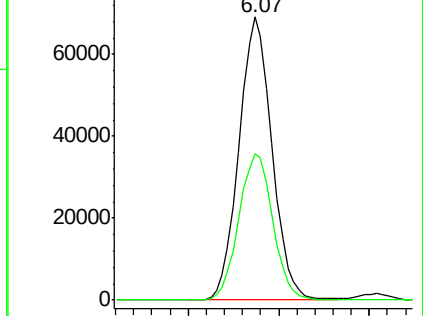
MMDadoda

5/21/2018 2:40:40 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

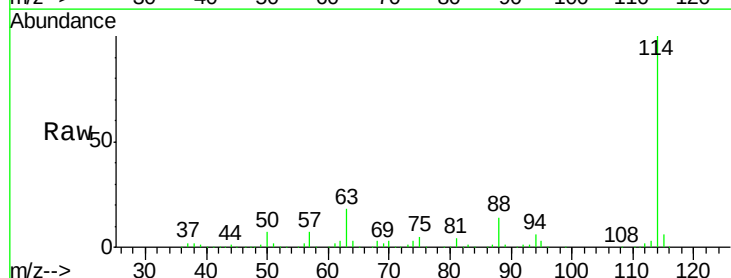
Tgt Ion: 114 Resp: 360298

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.0

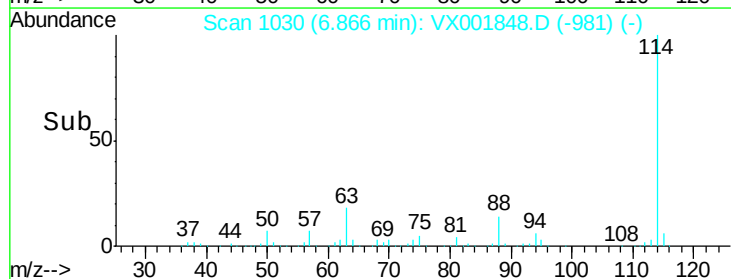
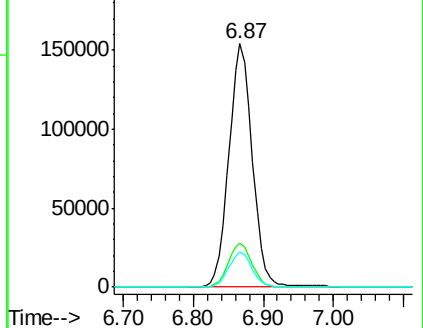
88 14.3 0.0 29.8

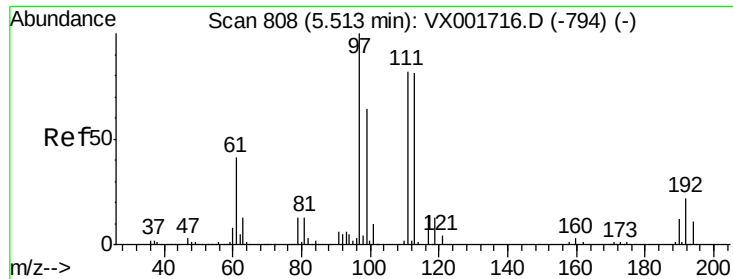


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





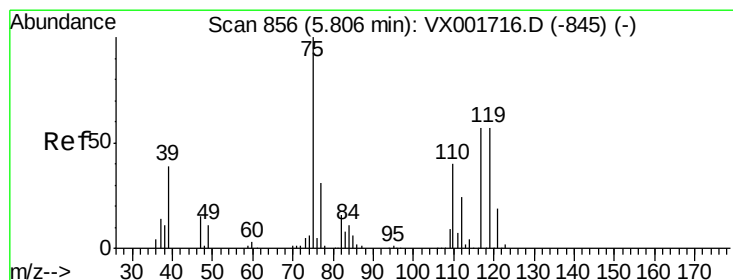
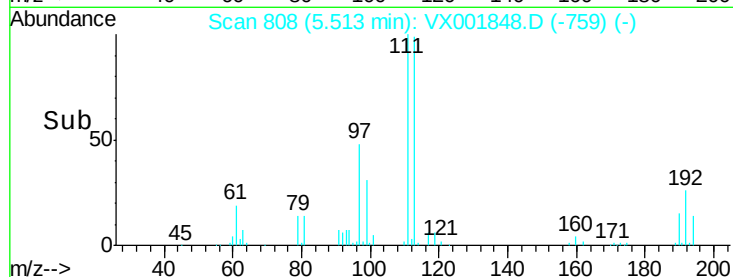
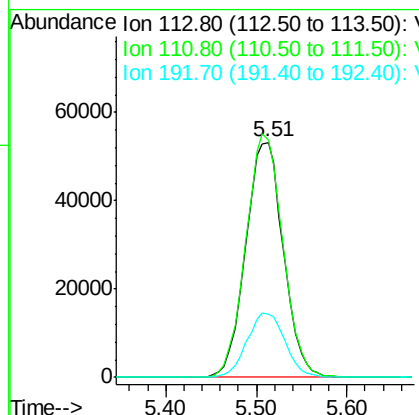
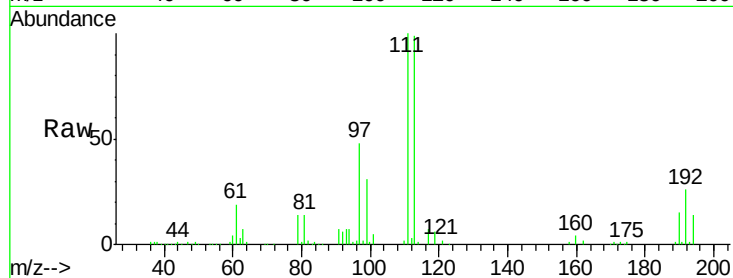
#35
 Dibromofluoromethane
 Concen: 50.38 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	153173		
111	102.0	82.0	123.0	
192	27.7	21.6	32.4	

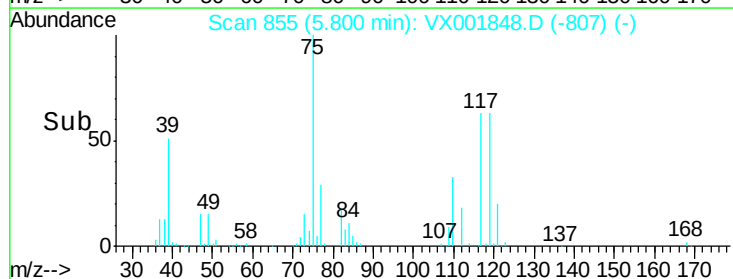
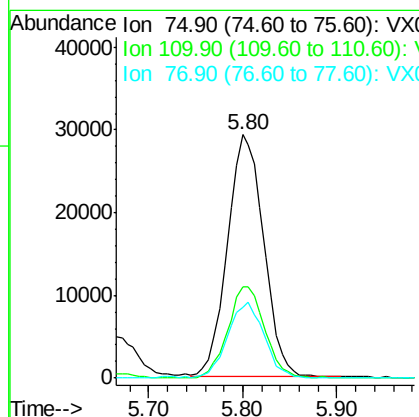
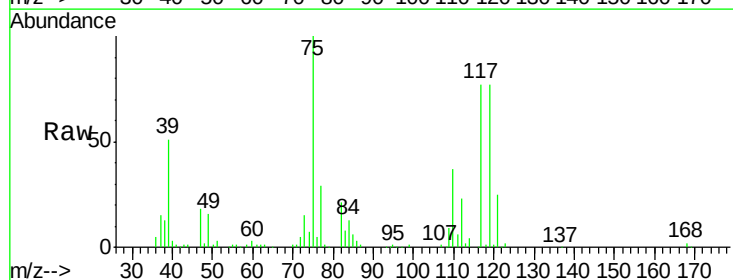
Manual Integrations
 APPROVED

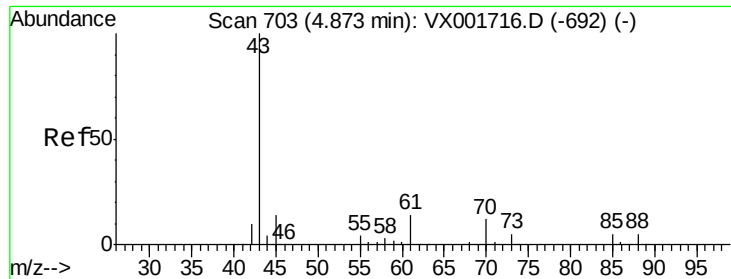
MMDadoda
 5/21/2018 2:40:40 PM



#36
 1,1-Dichloropropene
 Concen: 18.98 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	78714		
110	38.1	19.1	57.1	
77	31.5	24.6	37.0	





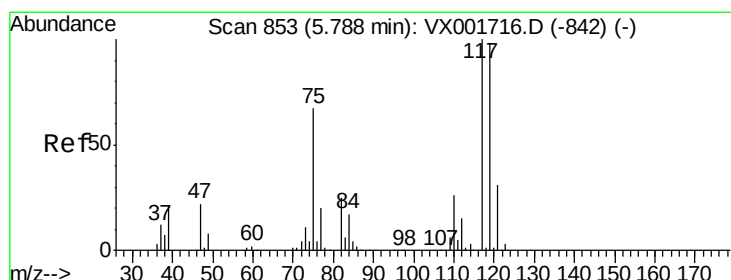
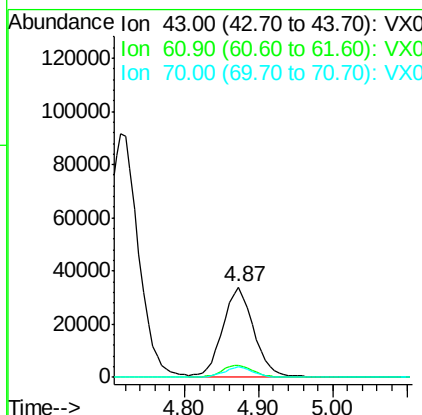
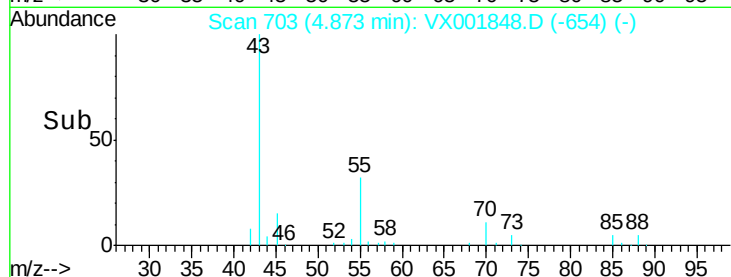
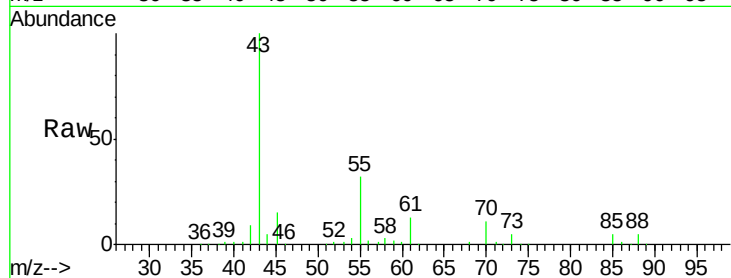
#37
Ethyl Acetate
Concen: 22.65 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	11.1	8.8	13.2

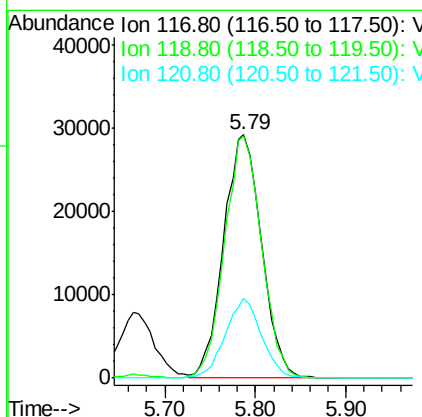
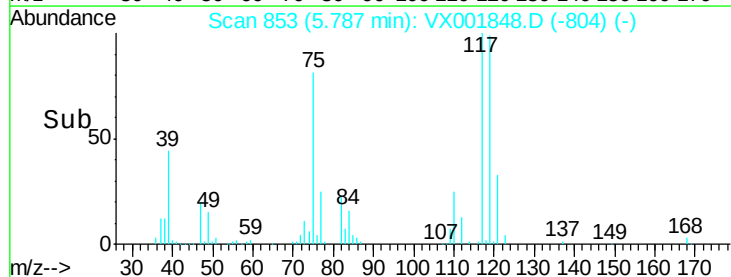
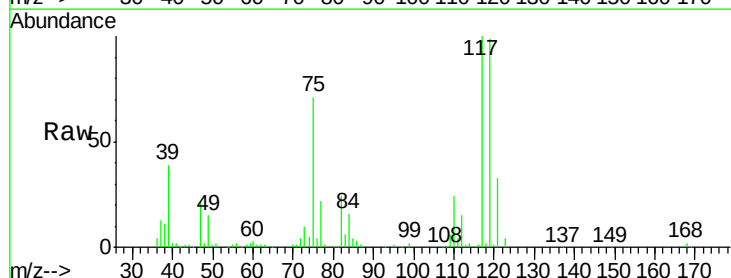
Manual Integrations
APPROVED

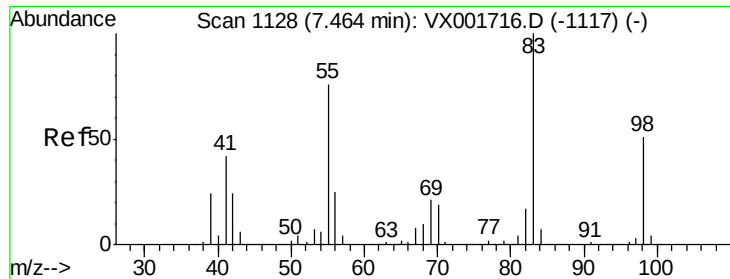
MMDadoda
5/21/2018 2:40:40 PM



#38
Carbon Tetrachloride
Concen: 19.55 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.4	77.6	116.4
121	32.9	24.6	36.8





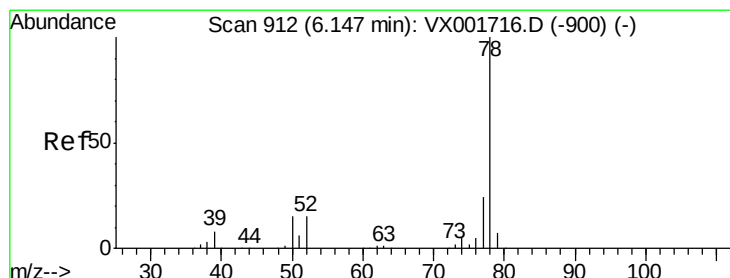
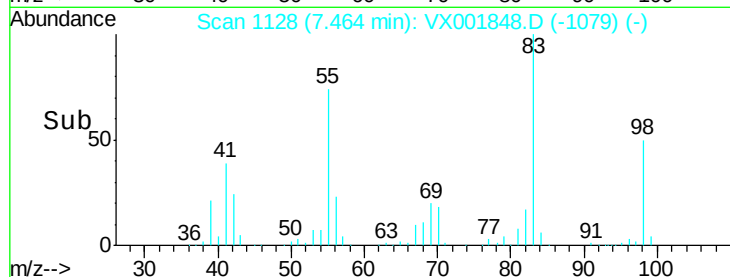
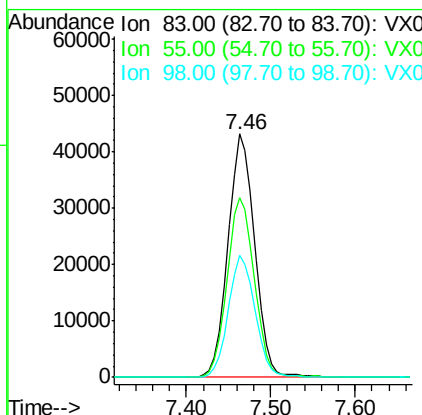
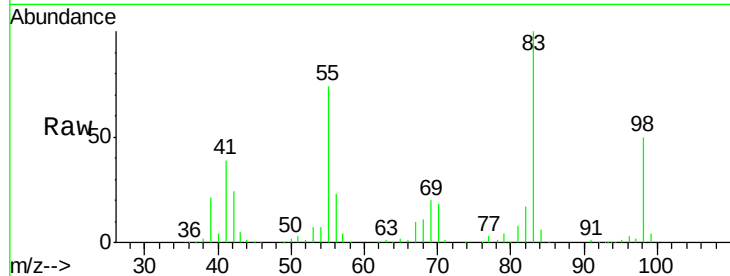
#39
Methylvlcyclohexane
Concen: 19.18 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.5	60.6	90.8	
98	49.9	40.4	60.6	

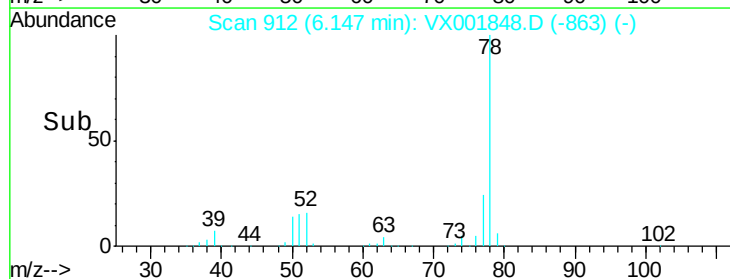
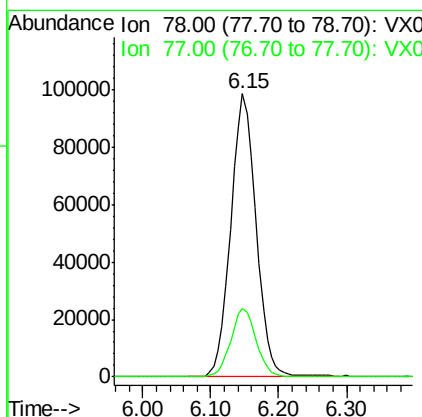
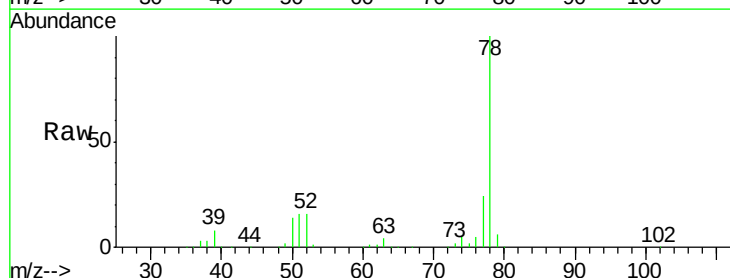
Manual Integrations
APPROVED

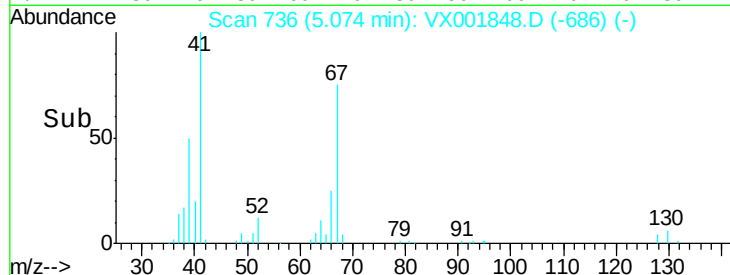
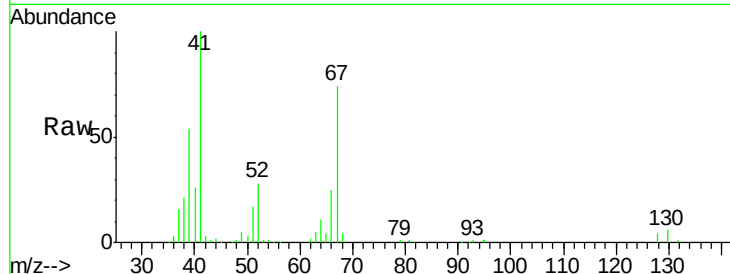
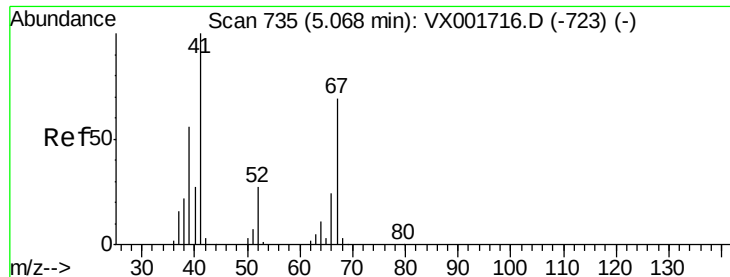
MMDadoda
5/21/2018 2:40:40 PM



#40
Benzene
Concen: 20.89 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

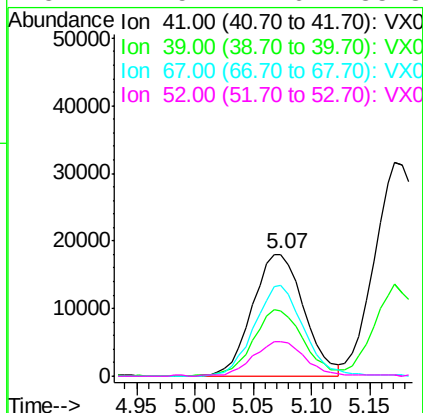
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.3	19.0	28.4	





#41
Methacrylonitrile
Concen: 22.25 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

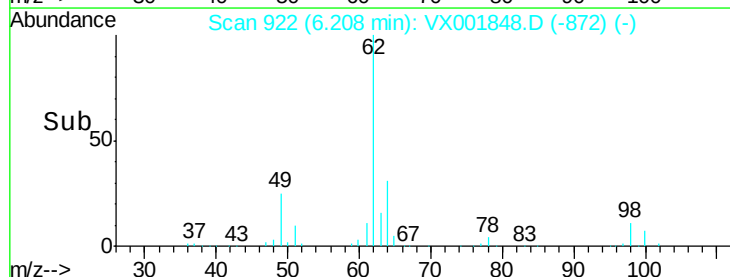
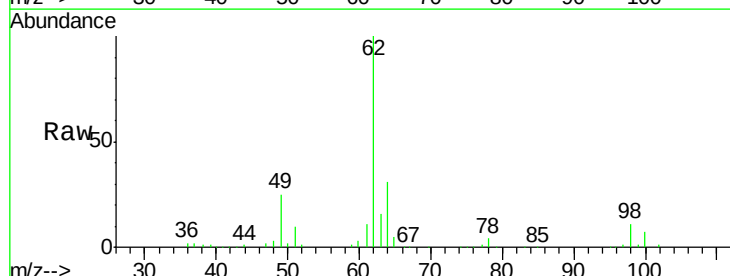
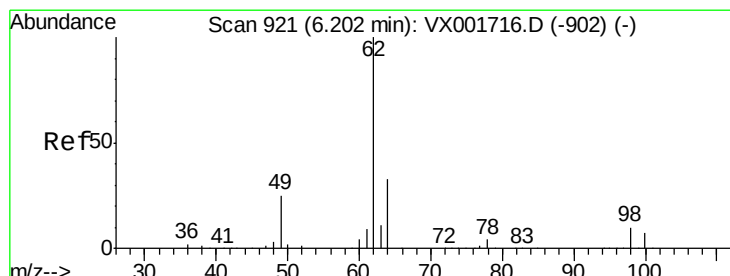
Tot Ion	Ratio	Lower	Upper
41	100		
39	53.2	44.2	66.4
67	71.1	56.0	84.0
52	27.5	22.6	33.8



Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD02

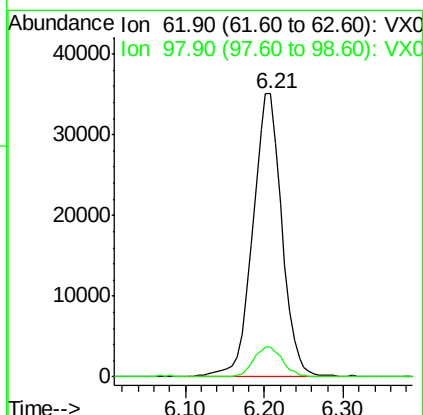
Manual Integrations
APPROVED

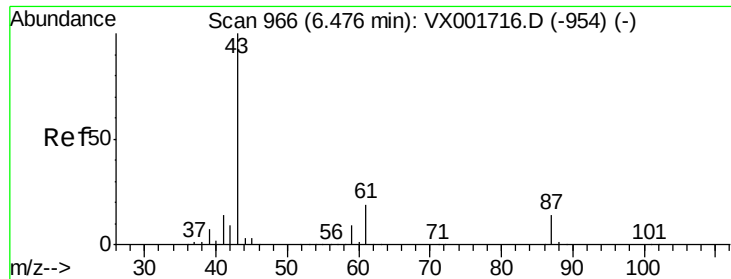
MMDadoda
5/21/2018 2:40:40 PM



#42
1,2-Dichloroethane
Concen: 20.41 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.0





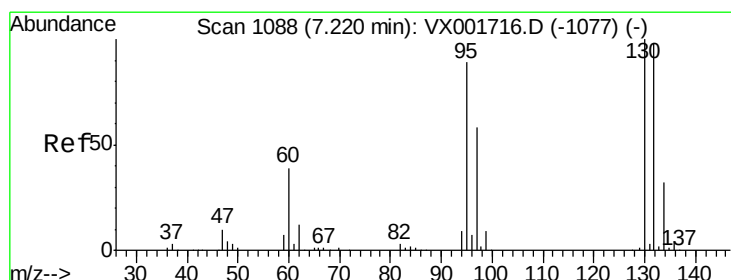
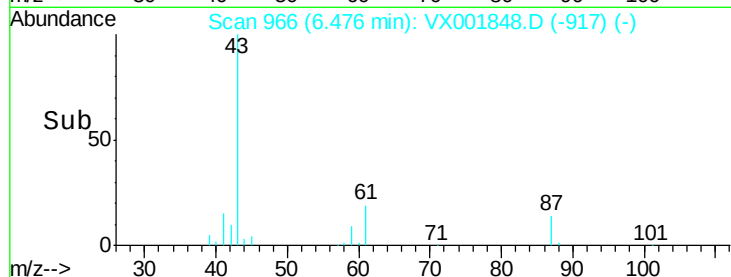
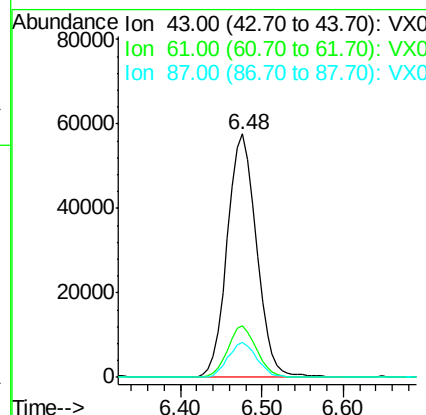
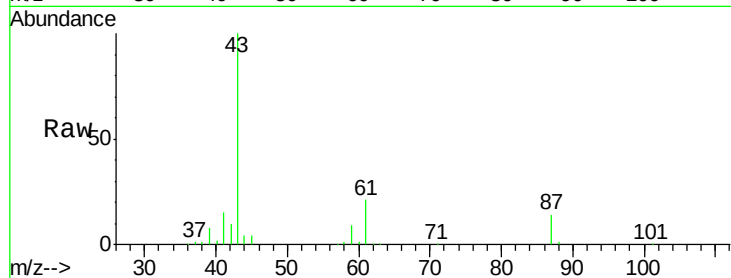
#43
Isopropyl Acetate
Concen: 21.05 ug/l
RT: 6.48 min Scan# 966
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	15.8	23.8
87	14.2	11.0	16.4

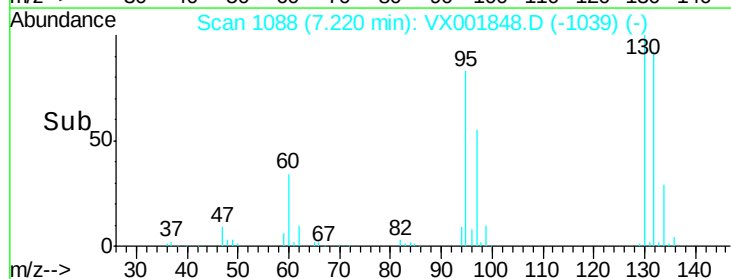
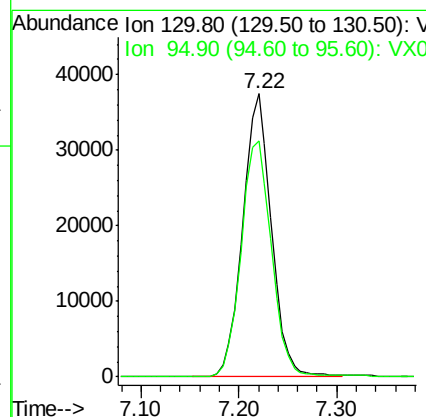
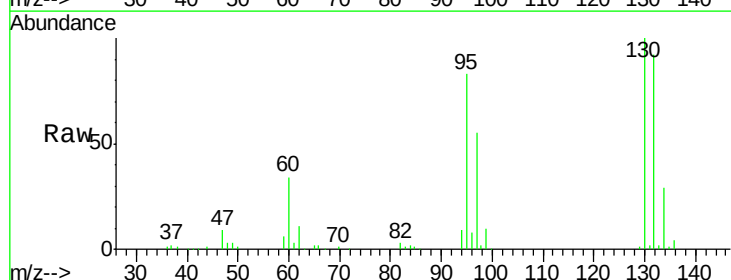
Manual Integrations
APPROVED

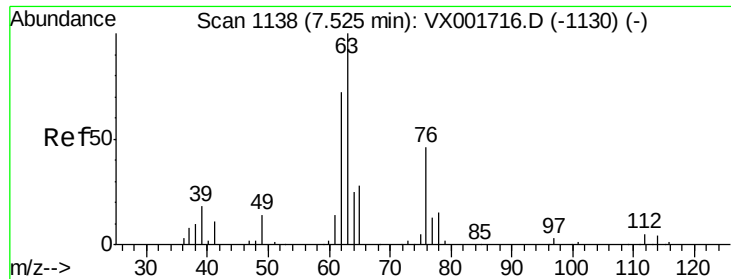
MMDadoda
5/21/2018 2:40:40 PM



#44
Trichloroethene
Concen: 20.12 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	83.5	0.0	177.2





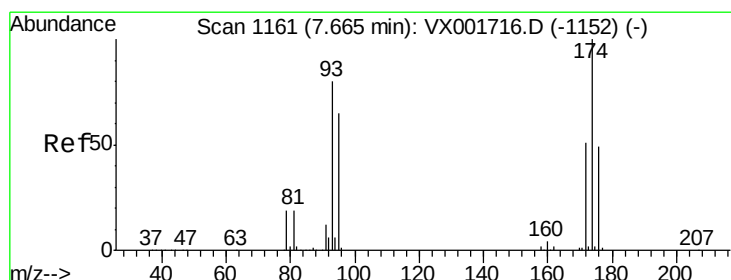
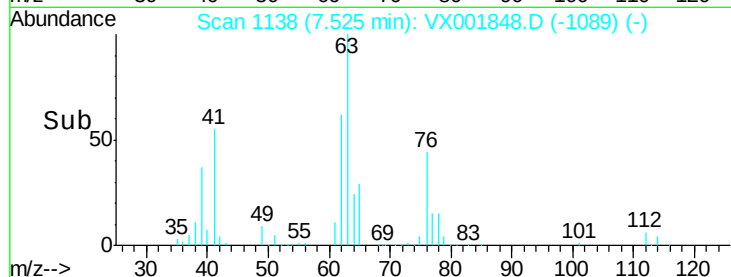
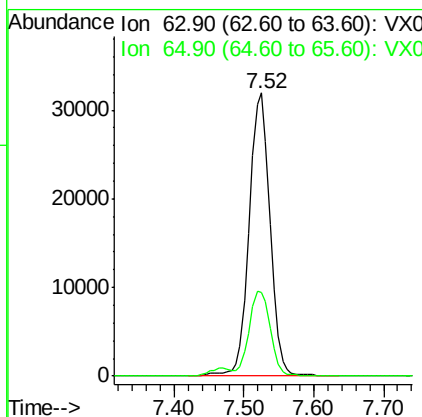
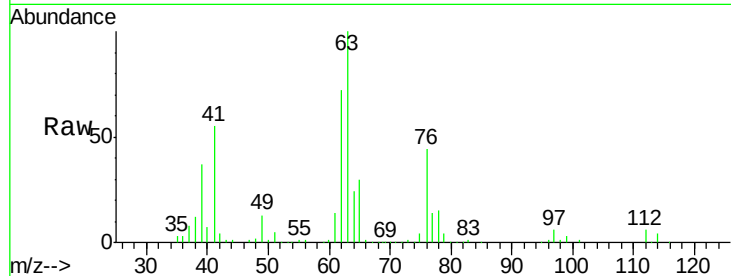
#45
 1,2-Dichloropropane
 Concen: 22.17 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD02

Tot Ion: 63 Resp: 66471
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.2 36.2

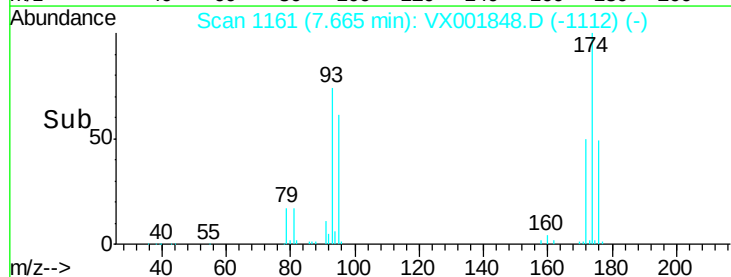
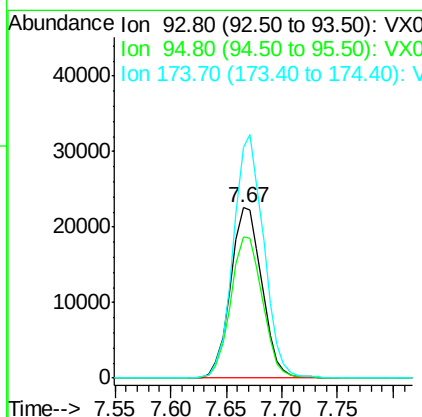
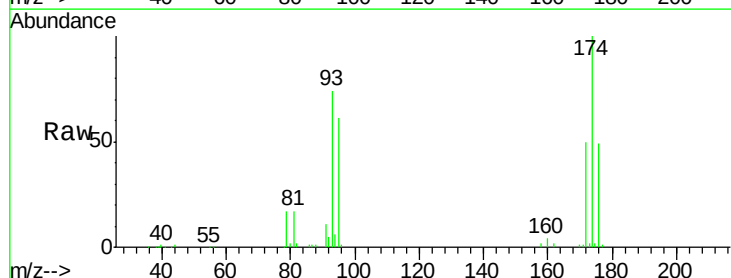
Manual Integrations
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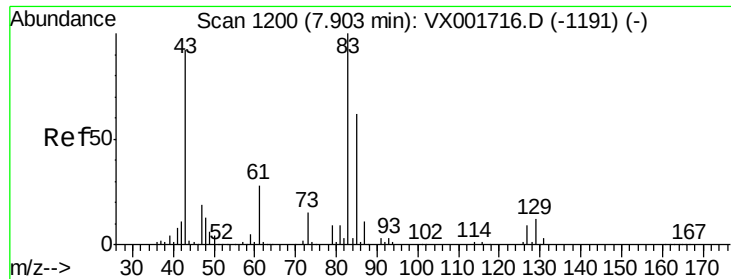
MMDadoda
 5/21/2018 2:40:40 PM



#46
 Dibromomethane
 Concen: 21.01 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Tgt Ion: 93 Resp: 44238
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.9 98.9
 174 137.5 106.2 159.2





#47

Bromodichloromethane

Concen: 20.72 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

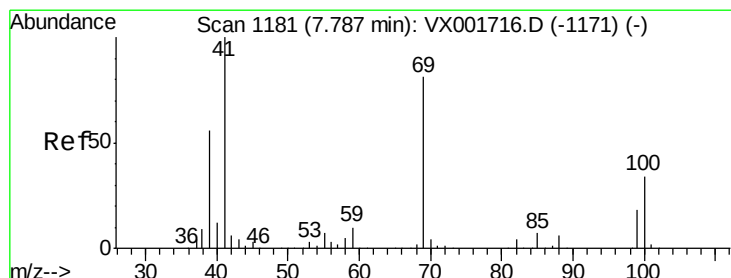
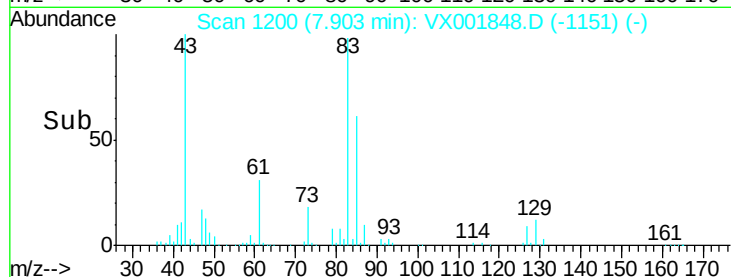
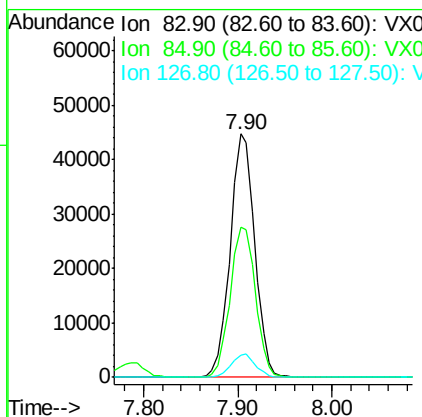
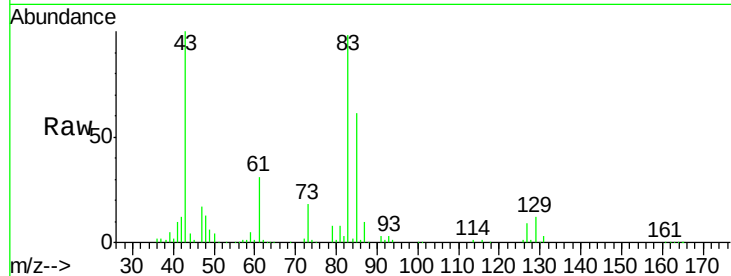
ClientSampleId :

VX0518WBSD02

Tot Ion:	83	Resp:	80947
Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.6	74.4
127	9.0	7.5	11.3

Manual Integrations
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MMDadoda
5/21/2018 2:40:40 PM



#48

Methyl methacrylate

Concen: 21.46 ug/l

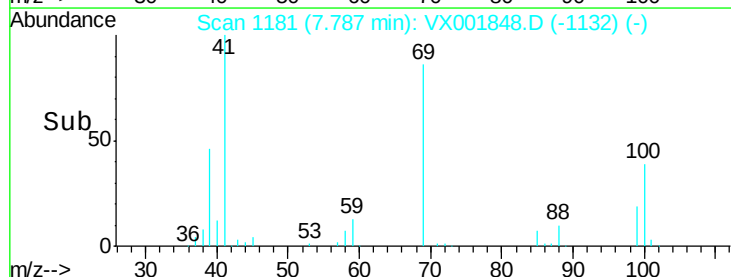
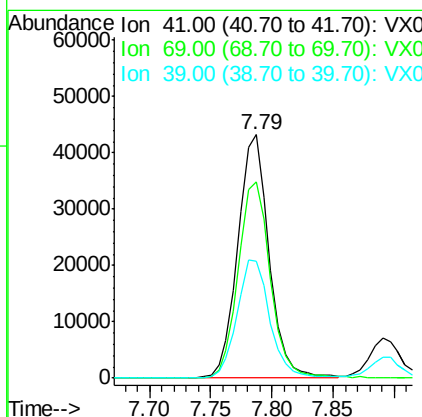
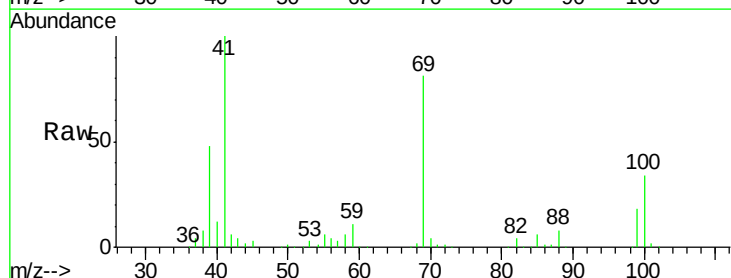
RT: 7.79 min Scan# 1181

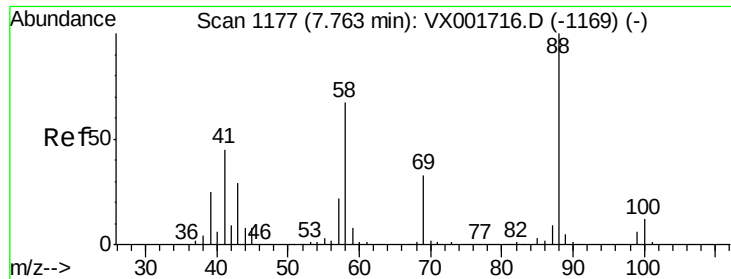
Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Tgt Ion:	41	Resp:	76419
Ion	Ratio	Lower	Upper
41	100		
69	84.0	65.2	97.8
39	50.7	44.5	66.7





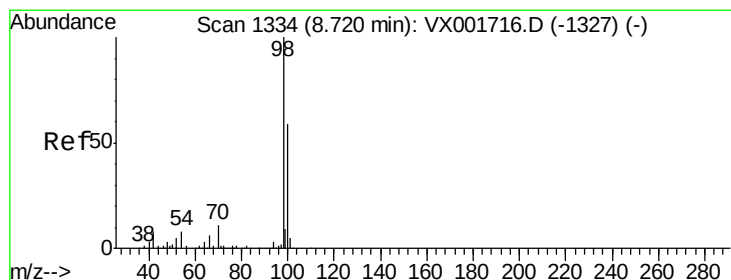
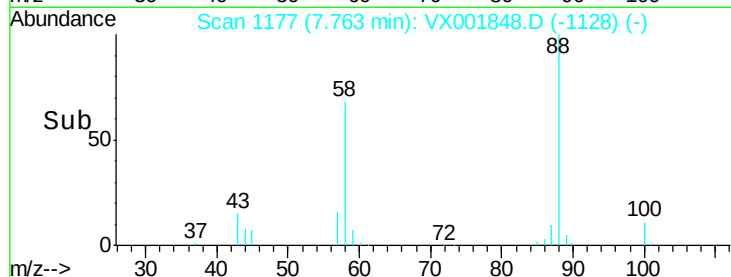
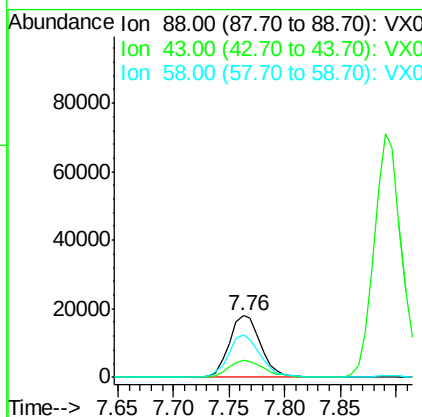
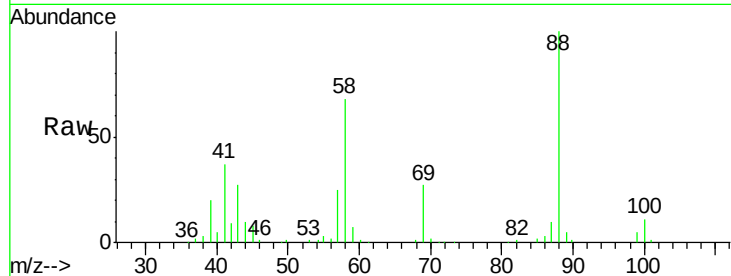
#49
1,4-Dioxane
Concen: 516.06 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	27.3	40.9
58	69.8	55.9	83.9

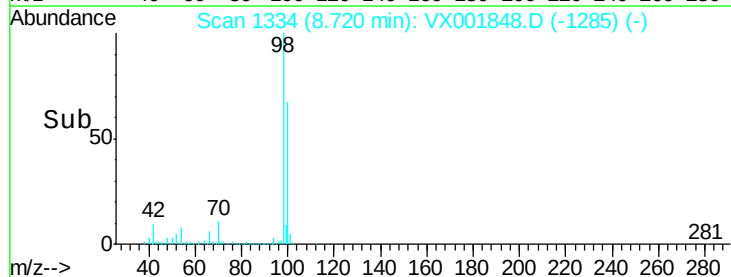
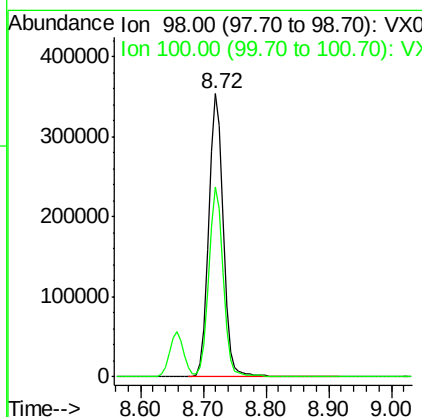
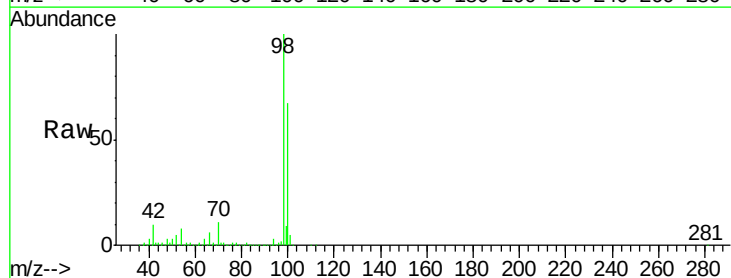
Manual Integrations
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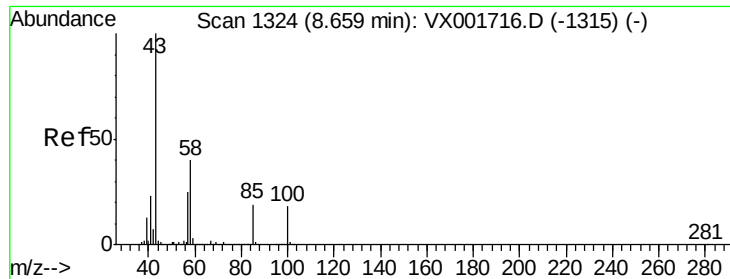
MMDadoda
5/21/2018 2:40:40 PM



#50
Toluene-d8
Concen: 52.10 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	54.0	81.0





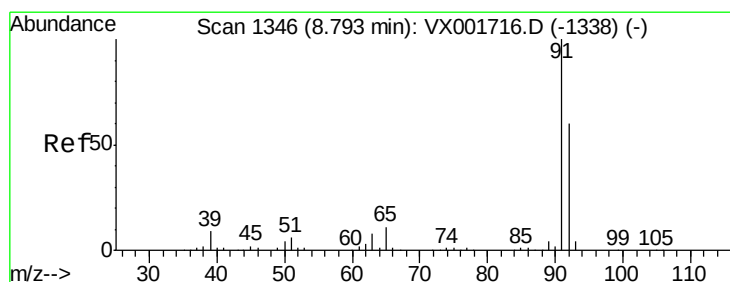
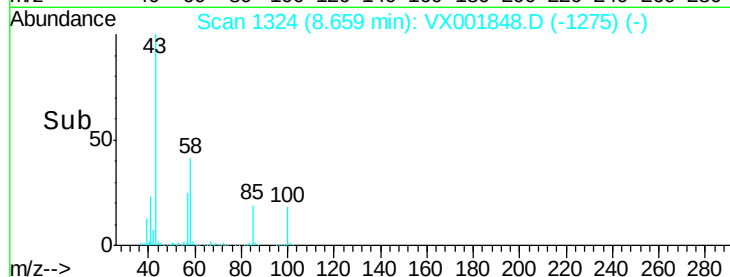
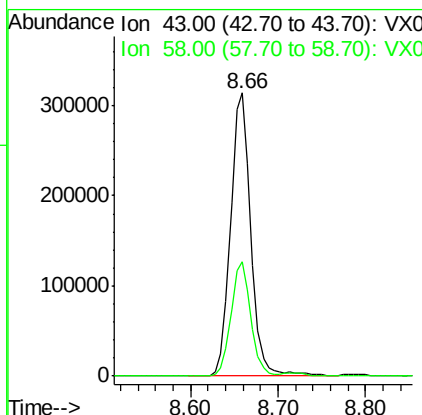
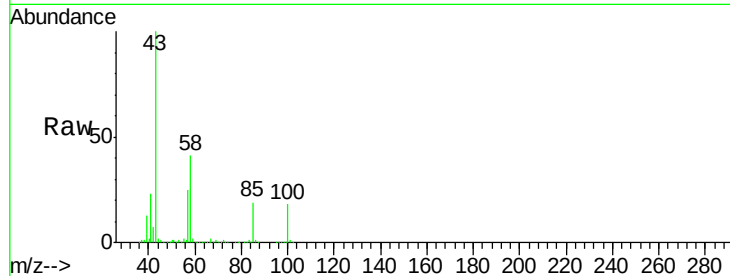
#51
4-Methyl-2-Pentanone
Concen: 118.28 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Instrument :
MSVOA_X
ClientSampled :
VX0518WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.4	47.0

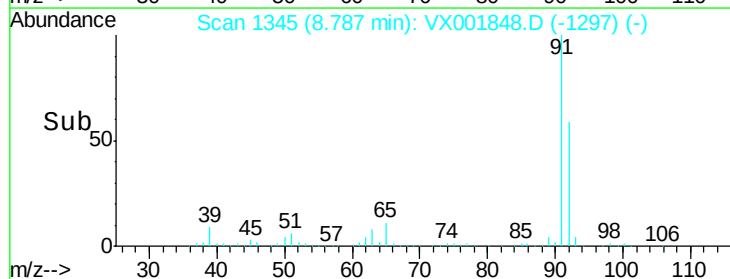
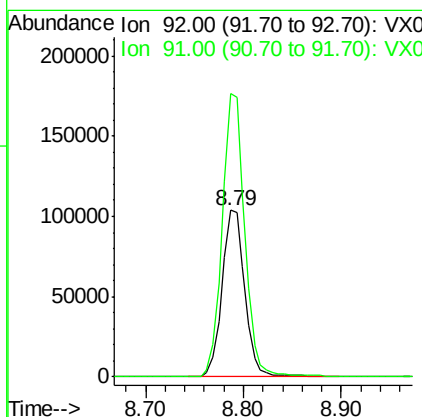
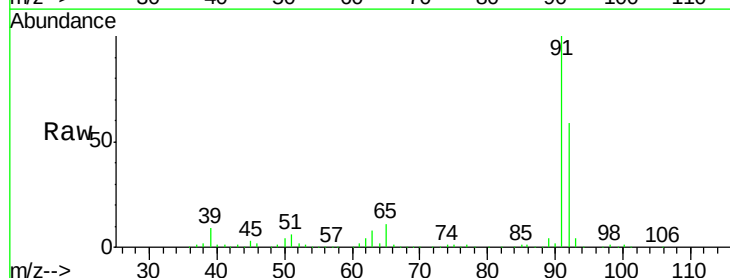
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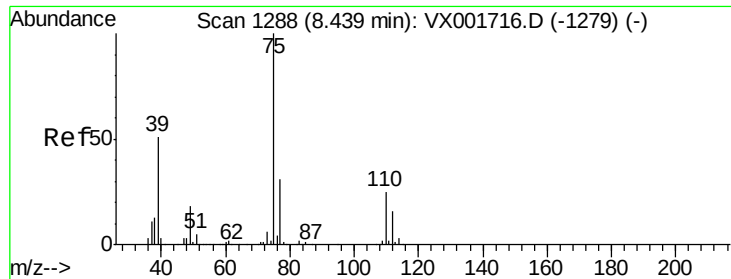
MMDadoda
5/21/2018 2:40:40 PM



#52
Toluene
Concen: 21.37 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.6	135.5	203.3





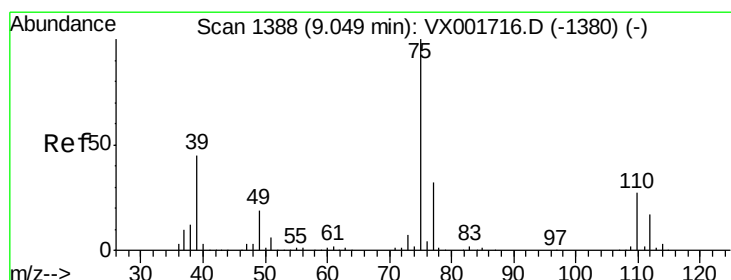
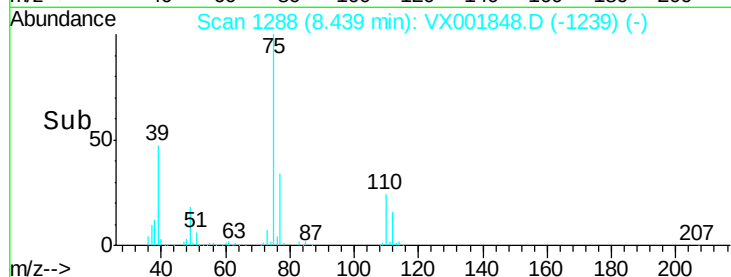
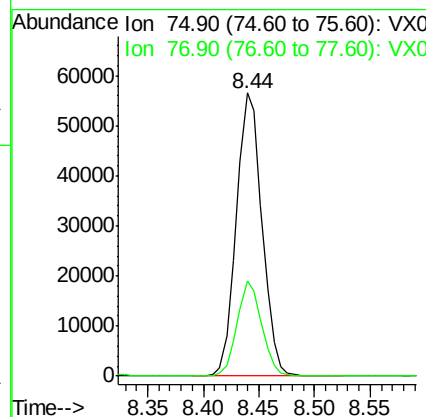
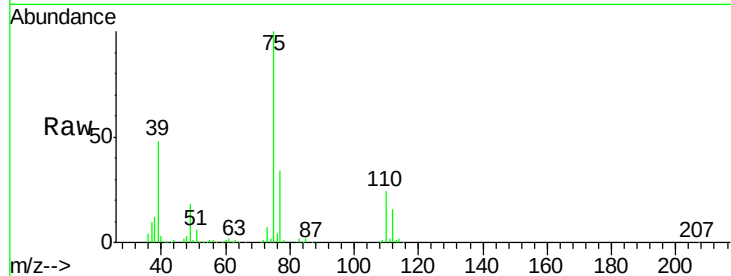
#53
t-1,3-Dichloropropene
Concen: 19.70 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD02

Tot Ion: 75 Resp: 90561
Ion Ratio Lower Upper
75 100
77 33.6 25.0 37.6

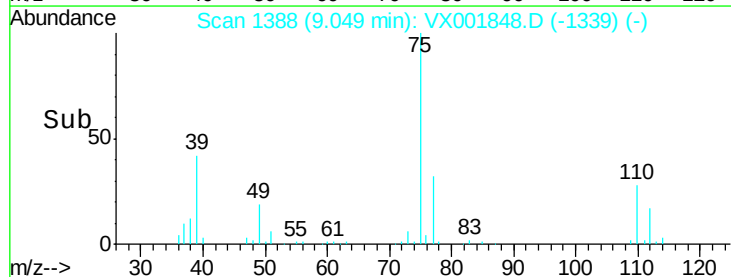
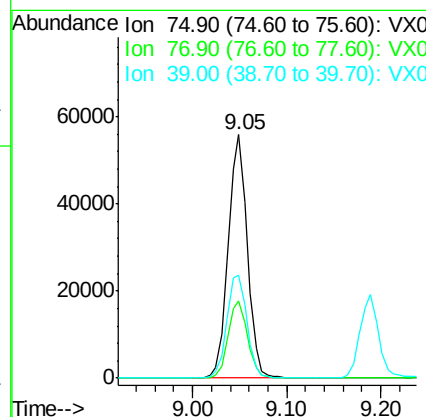
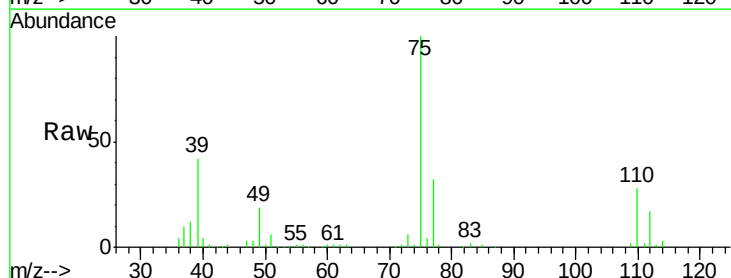
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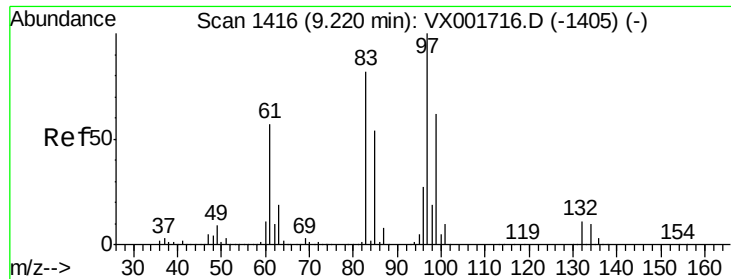
MMDadoda
5/21/2018 2:40:40 PM



#54
cis-1,3-Dichloropropene
Concen: 19.41 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Tgt Ion: 75 Resp: 78652
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.2
39 42.0 36.1 54.1





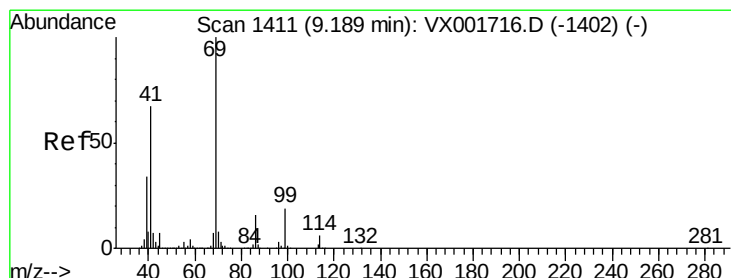
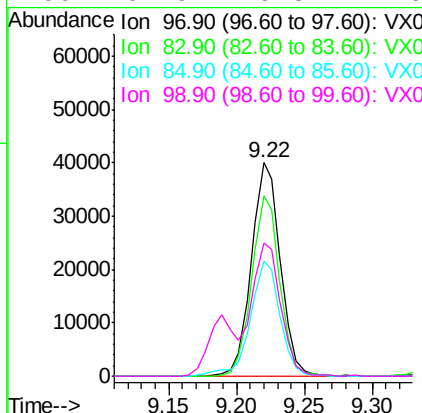
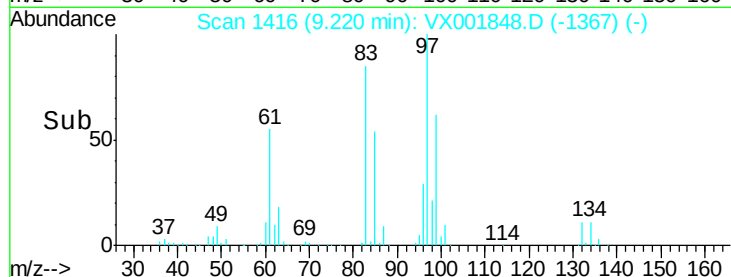
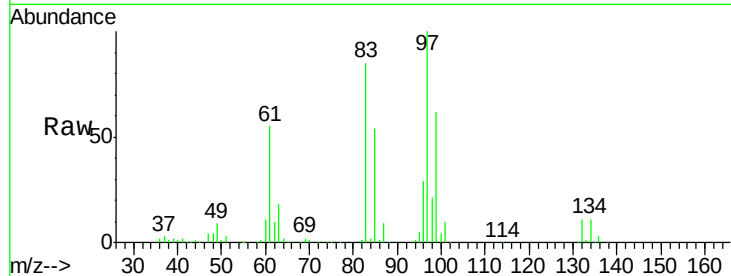
#55
 1,1,2-Trichloroethane
 Concen: 19.90 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		59720		
83	84.7	65.8	98.8		
85	54.1	43.4	65.0		
99	61.9	49.8	74.6		

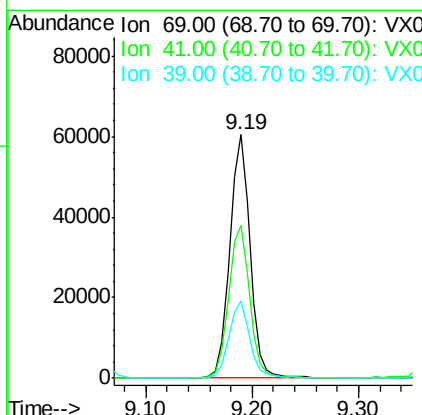
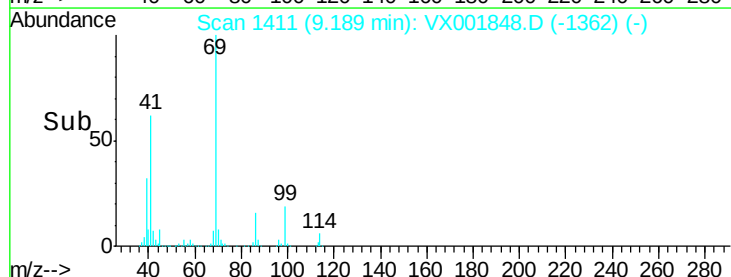
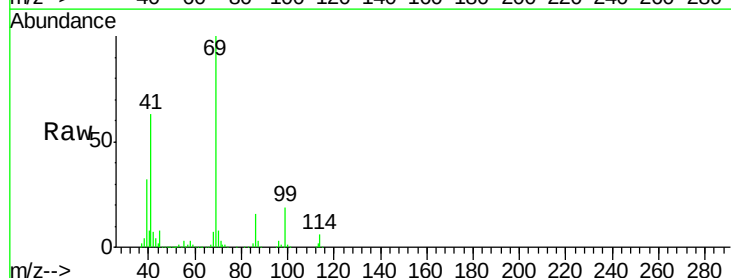
Manual Integrations
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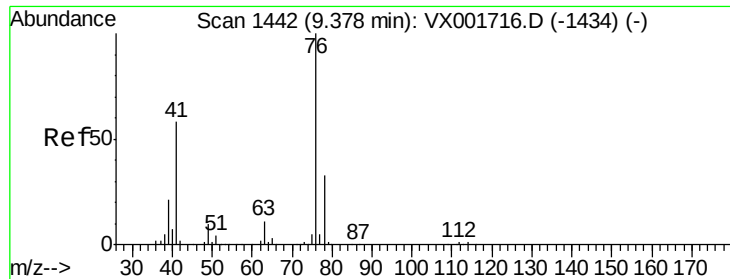
MMDadoda
 5/21/2018 2:40:40 PM



#56
 Ethyl methacrylate
 Concen: 19.06 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		81115		
41	64.7	53.5	80.3		
39	32.4	27.2	40.8		





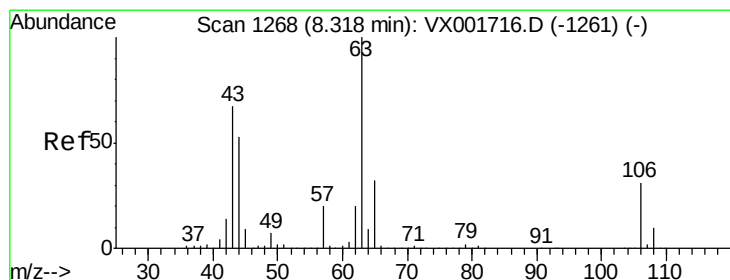
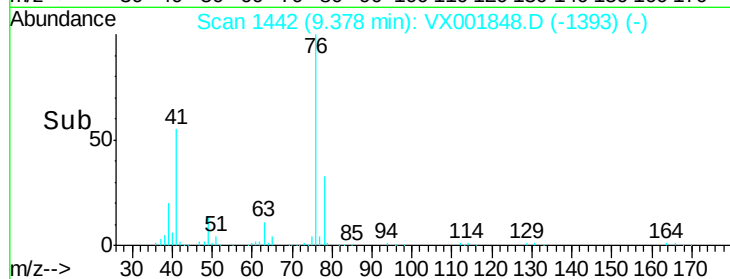
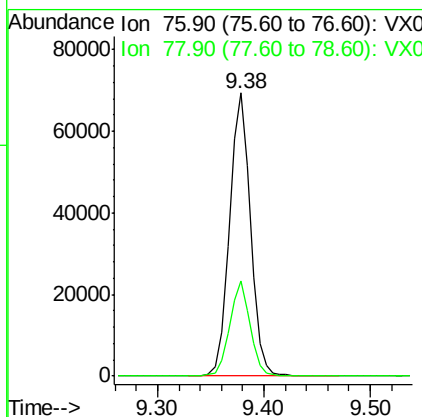
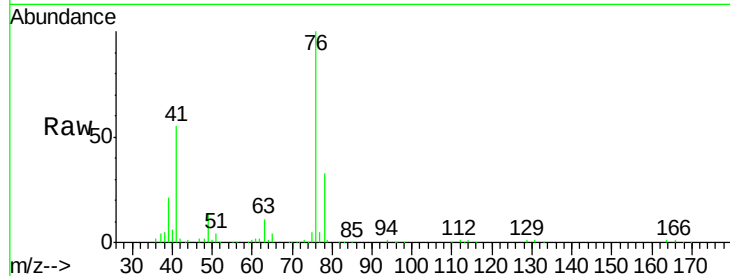
#57
 1,3-Dichloropropane
 Concen: 19.06 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.6

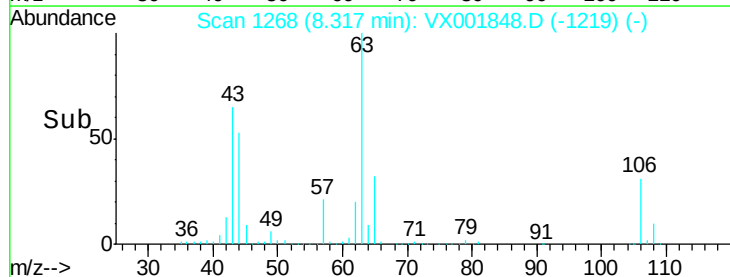
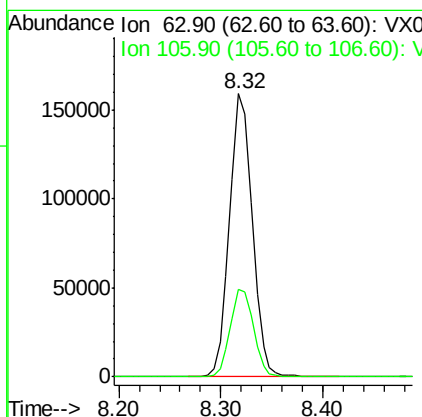
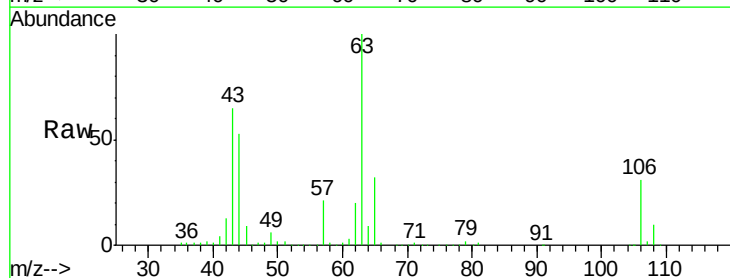
Manual Integrations
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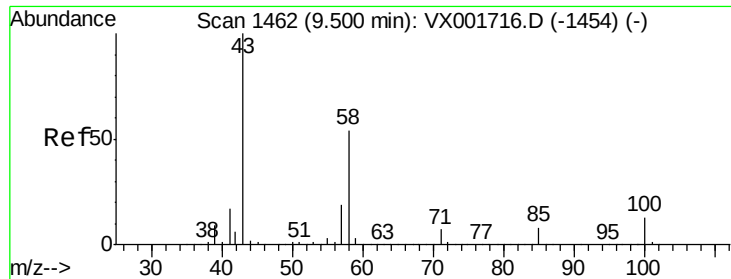
MMDadoda
 5/21/2018 2:40:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.35 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.6	25.1	37.7





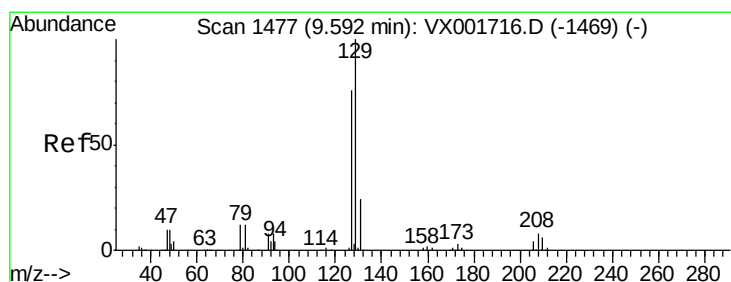
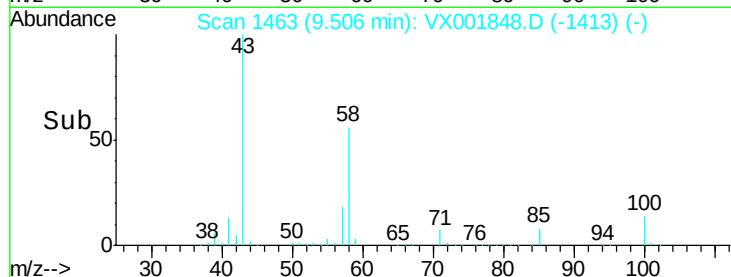
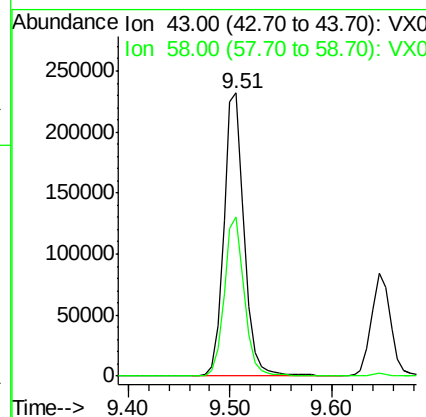
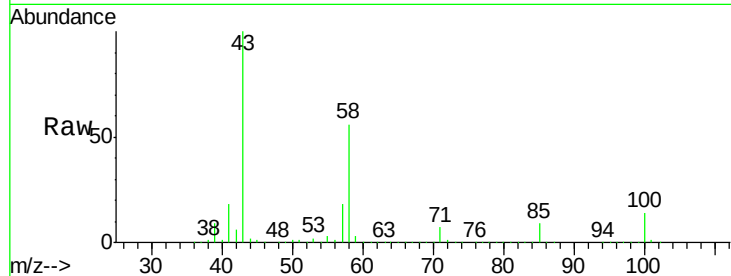
#59
2-Hexanone
Concen: 104.79 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD02

Tot Ion: 43 Resp: 321594
Ion Ratio Lower Upper
43 100
58 55.6 27.7 83.1

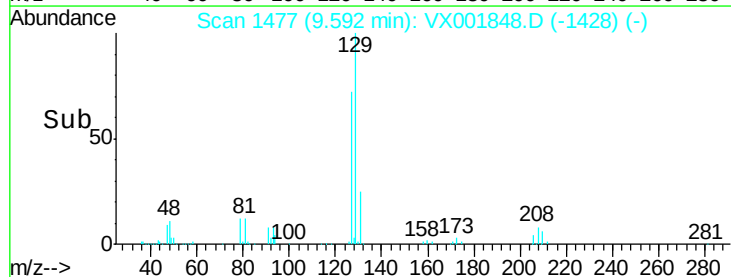
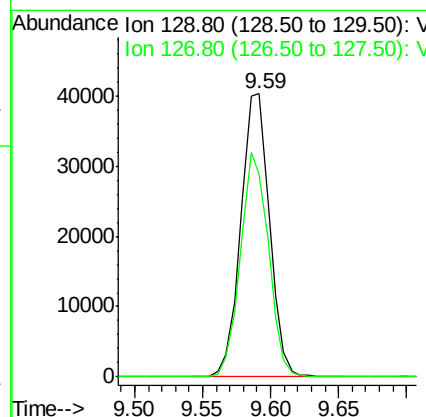
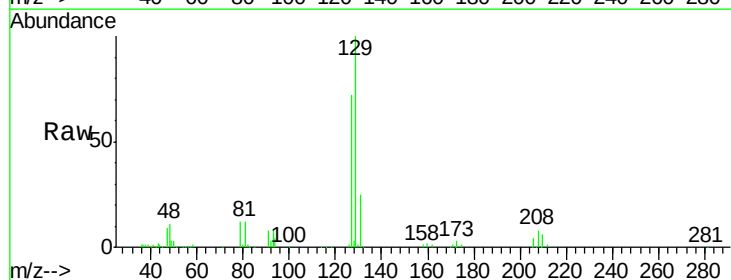
Manual Integrations
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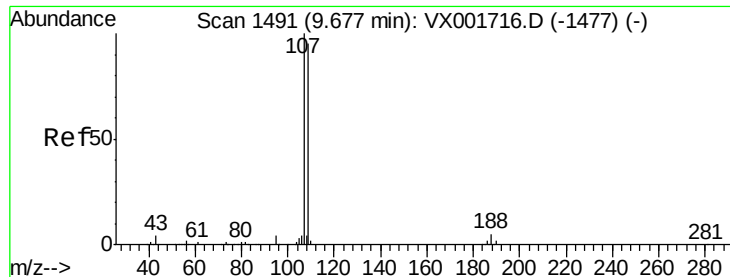
MMDadoda
5/21/2018 2:40:40 PM



#60
Dibromochloromethane
Concen: 19.23 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Tgt Ion: 129 Resp: 59117
Ion Ratio Lower Upper
129 100
127 77.8 38.7 116.1





#61

1,2-Dibromoethane

Concen: 19.32 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD02

Tot Ion:107 Resp: 60709

Ion Ratio Lower Upper

107 100

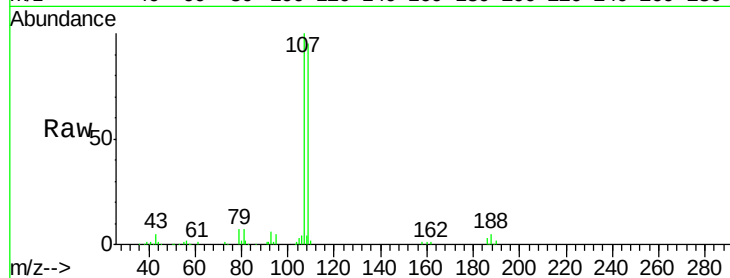
109 95.7 76.2 114.2

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

40000

30000

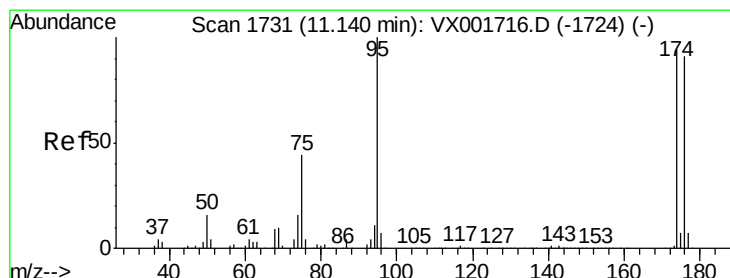
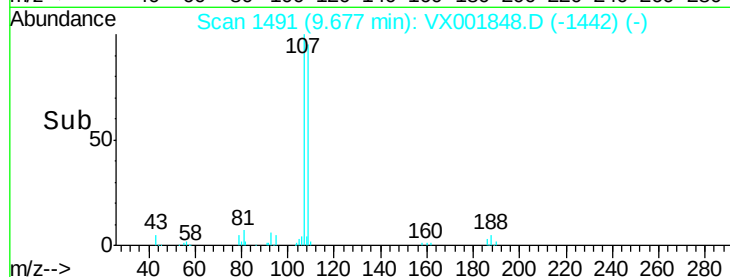
20000

10000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 42.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

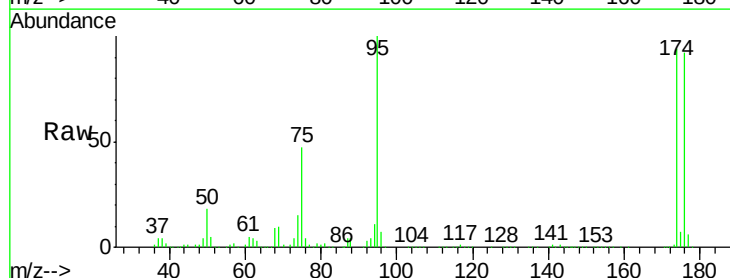
Tgt Ion: 95 Resp: 168541

Ion Ratio Lower Upper

95 100

174 103.1 0.0 201.8

176 100.3 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

11.14

150000

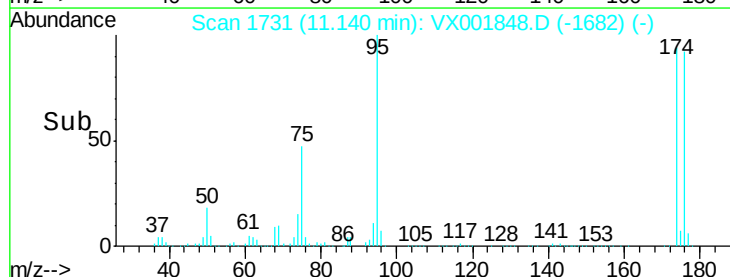
100000

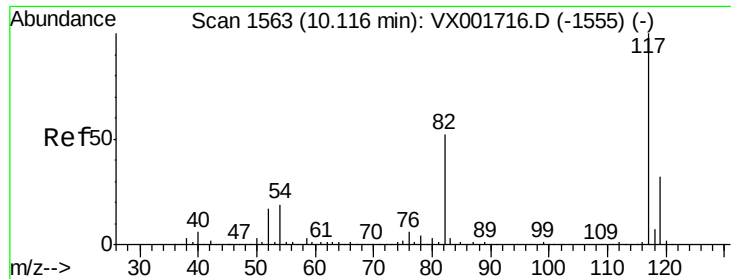
50000

0

11.10 11.20

Time-->





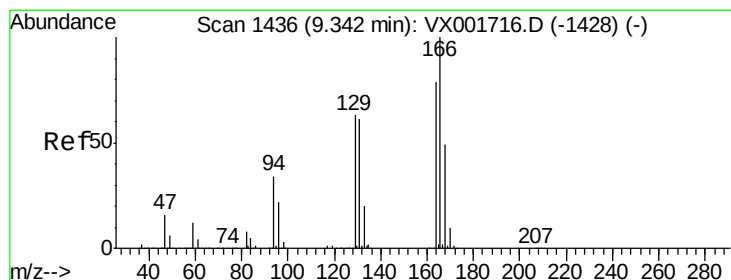
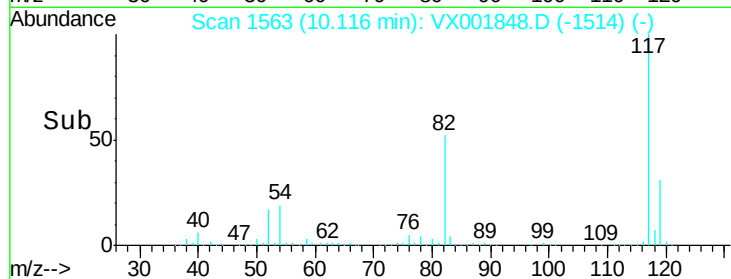
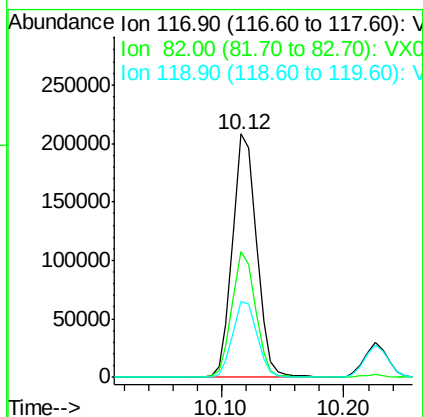
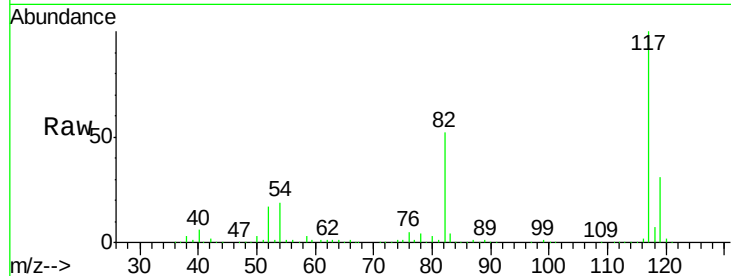
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.4	62.2
119	31.4	25.6	38.4

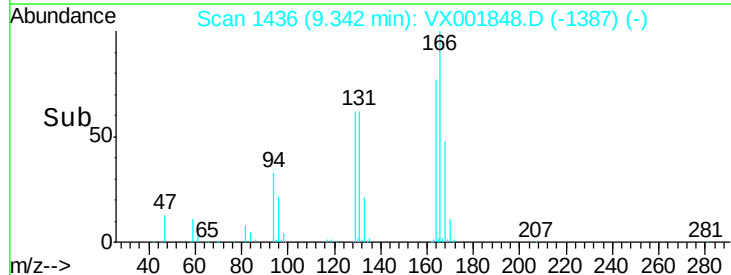
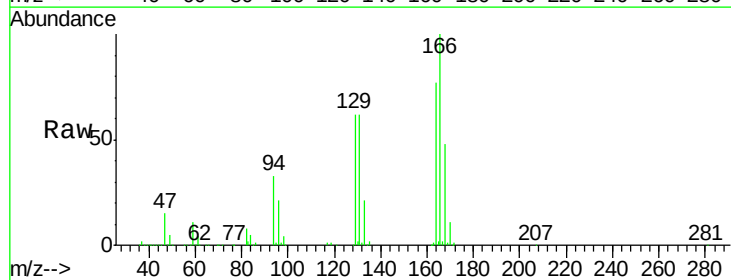
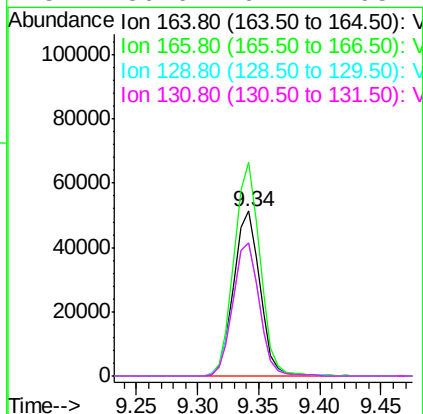
Manual Integrations
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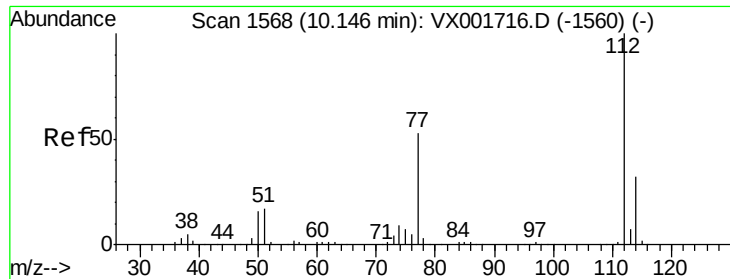
MMDadoda
5/21/2018 2:40:40 PM



#64
Tetrachloroethene
Concen: 20.59 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	101.8	152.8
129	81.0	63.8	95.6
131	80.6	62.2	93.2





#65

Chlorobenzene

Concen: 20.32 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD02

Tot Ion:112 Resp: 158631

Ion Ratio Lower Upper

112 100

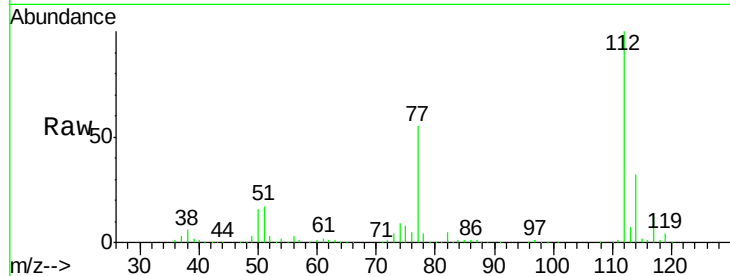
114 32.2 25.6 38.4

Manual Integrations

APPROVED

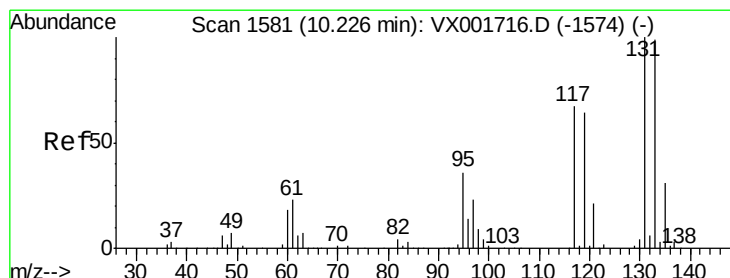
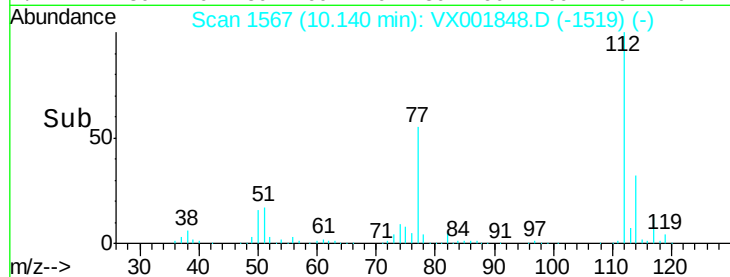
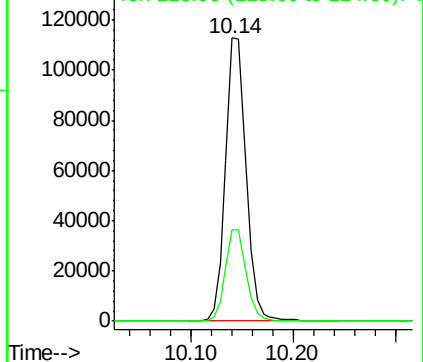
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.56 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

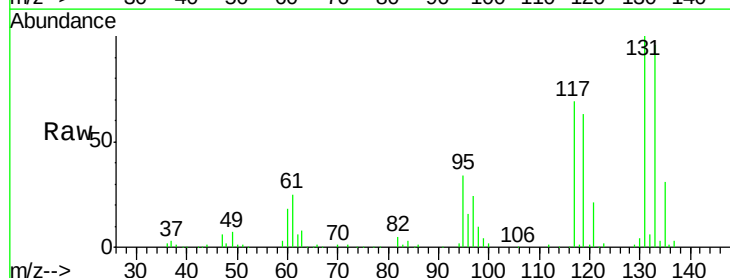
Tgt Ion:131 Resp: 59462

Ion Ratio Lower Upper

131 100

133 95.5 48.5 145.6

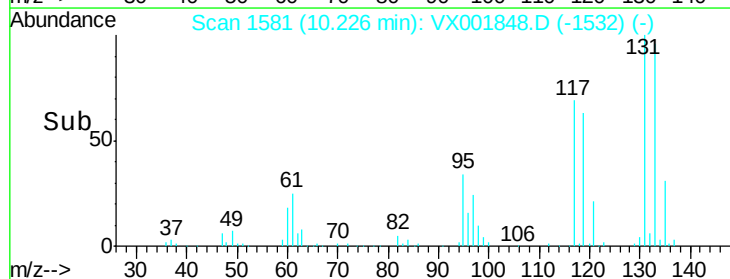
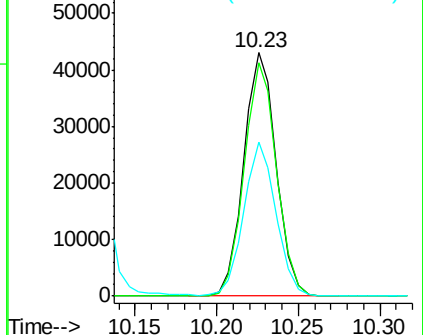
119 63.0 31.9 95.5

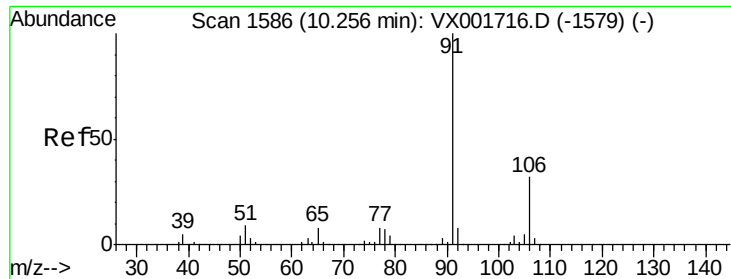


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.36 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD02

Tot Ion: 91 Resp: 254066

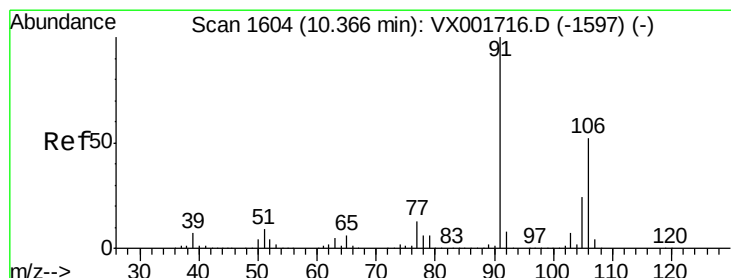
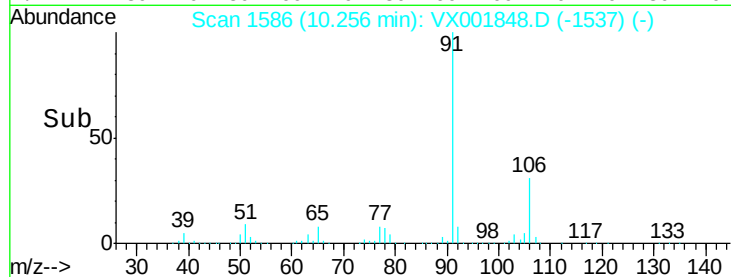
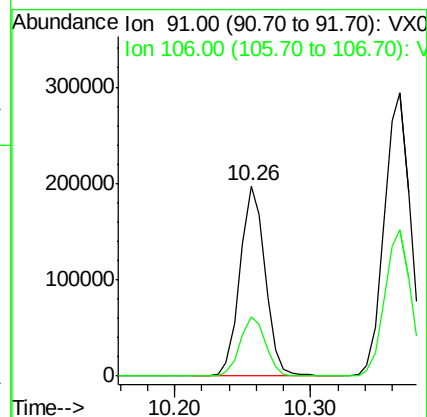
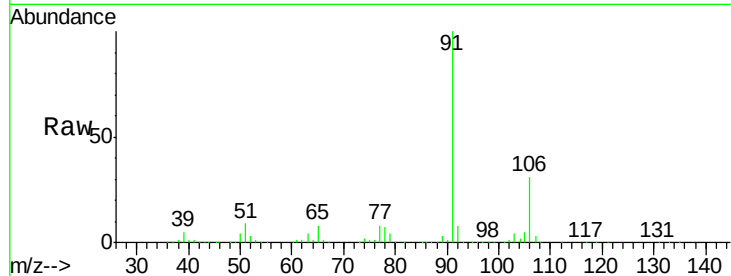
Ion Ratio Lower Upper

91 100

106 31.4 25.7 38.5

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 41.07 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001848.D

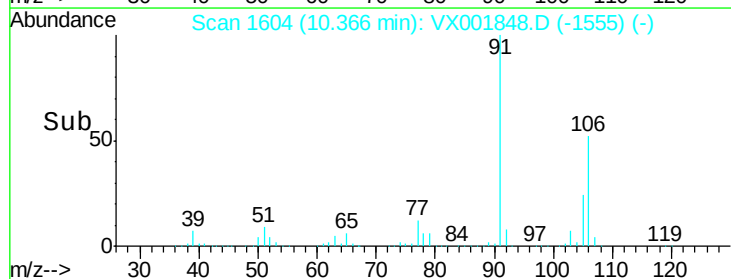
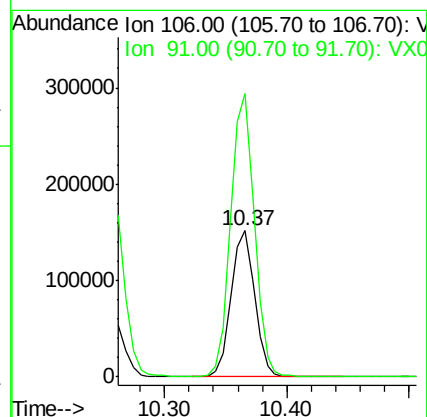
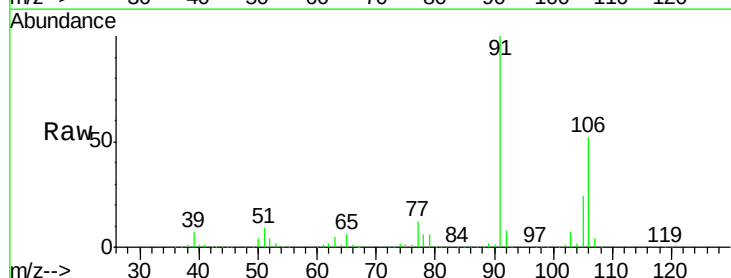
Acq: 19 May 2018 02:00

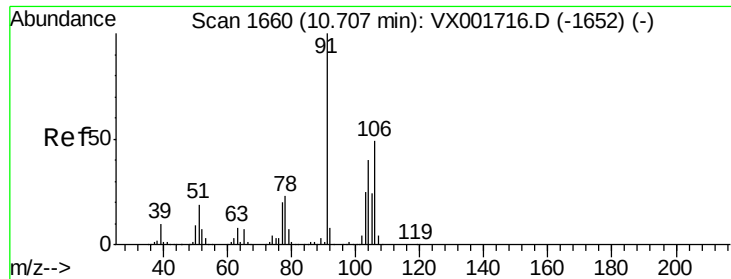
Tgt Ion: 106 Resp: 202195

Ion Ratio Lower Upper

106 100

91 194.1 155.4 233.2





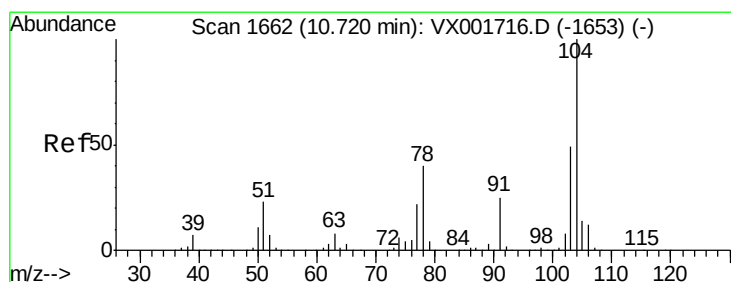
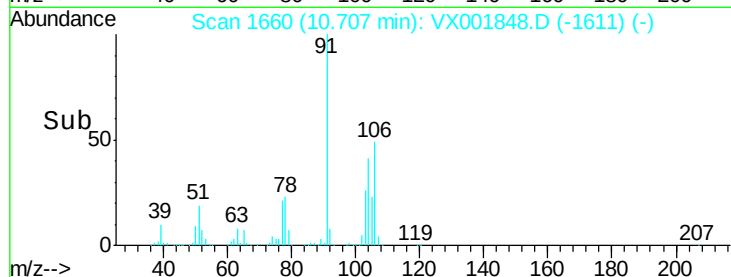
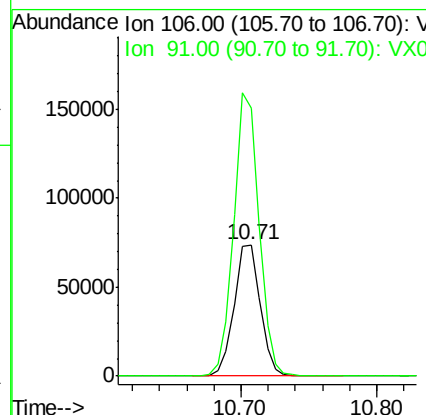
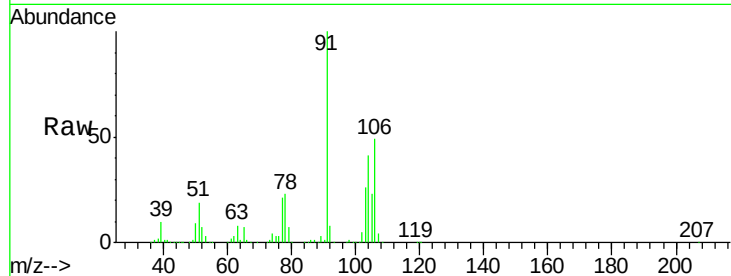
#69
o-Xylene
Concen: 21.00 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Instrument :
MSVOA_X
ClientSampled :
VX0518WBSD02

Tot Ion:106 Resp: 99022
Ion Ratio Lower Upper
106 100
91 208.4 103.4 310.2

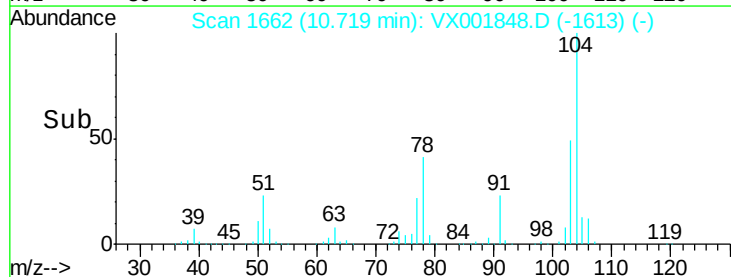
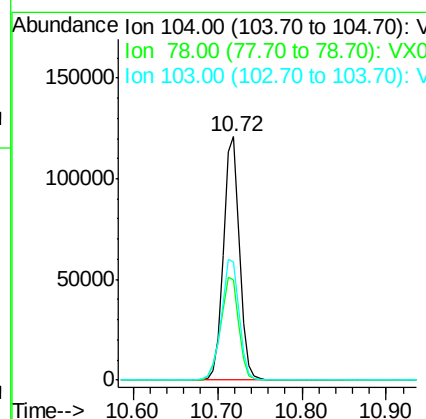
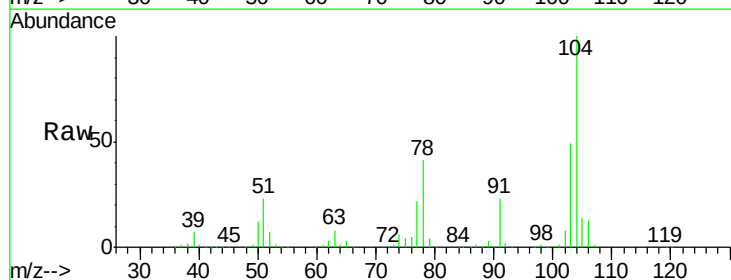
Manual Integrations
APPROVED

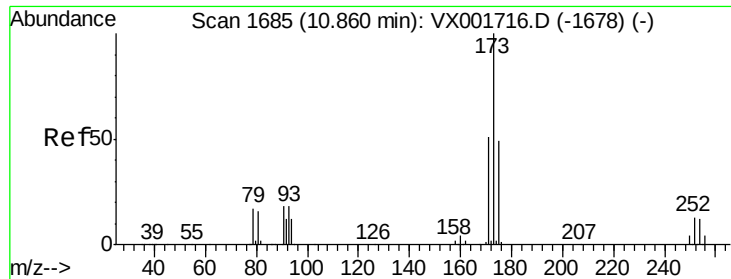
MMDadoda
5/21/2018 2:40:40 PM



#70
Styrene
Concen: 20.68 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Tgt Ion:104 Resp: 160795
Ion Ratio Lower Upper
104 100
78 47.1 37.3 55.9
103 55.0 43.7 65.5





#71

Bromoform

Concen: 20.50 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

ClientSampled :

VX0518WBSD02

Tot Ion:173 Resp: 47894

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.8

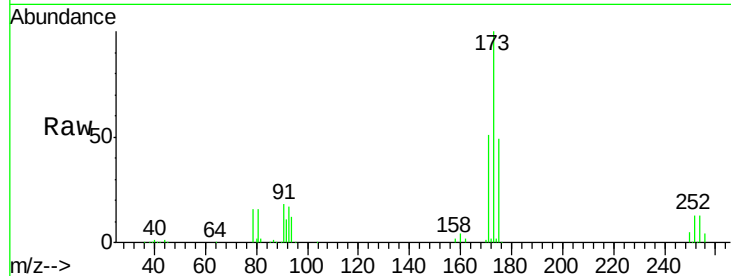
254 0.1 0.2 0.2#

Manual Integrations

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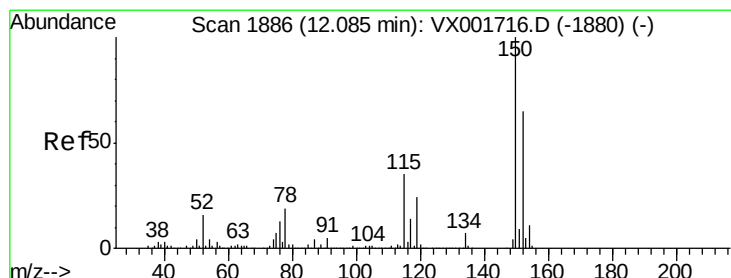
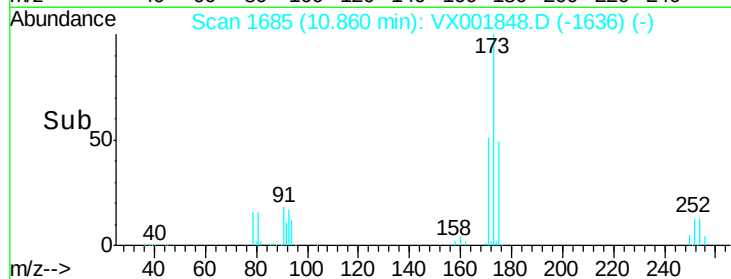
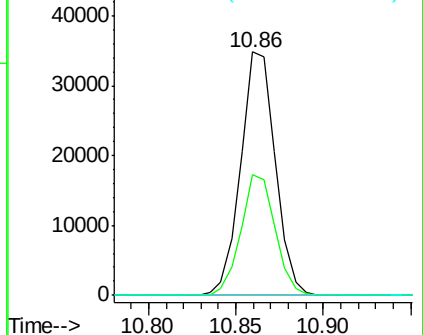
5/21/2018 2:40:40 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

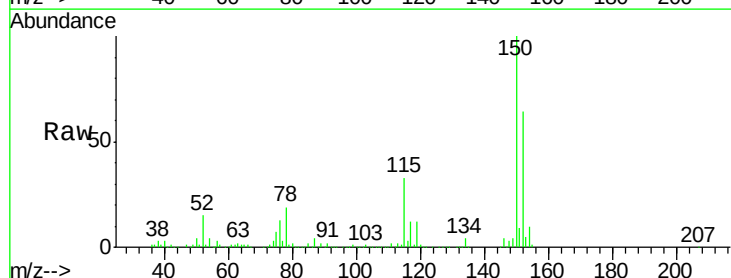
Tgt Ion:152 Resp: 178423

Ion Ratio Lower Upper

152 100

115 62.2 37.4 112.2

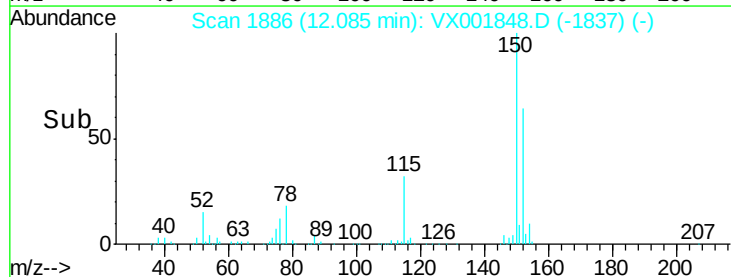
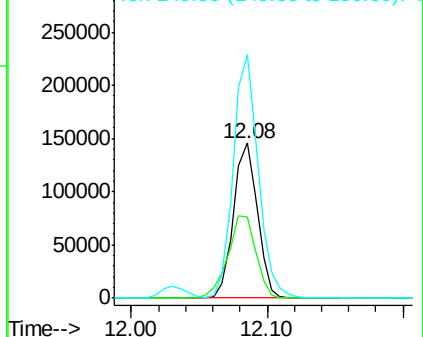
150 164.3 0.0 344.8

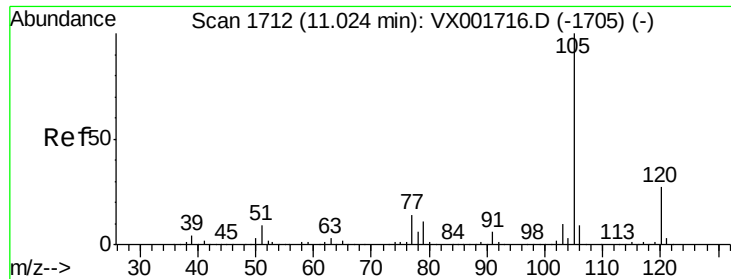


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.52 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD02

Tot Ion: 105 Resp: 264580

Ion Ratio Lower Upper

105 100

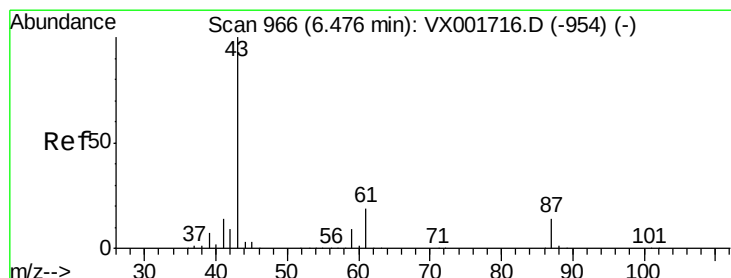
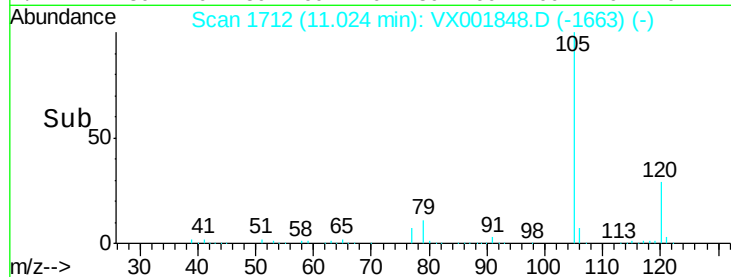
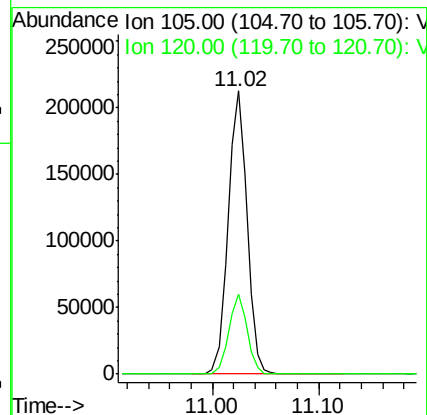
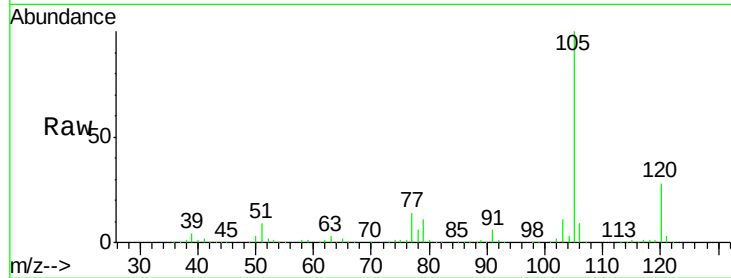
120 27.3 13.8 41.3

Manual Integrations

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5/21/2018 2:40:40 PM



#74

N-ethyl acetate

Concen: 25.27 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Tgt Ion: 43 Resp: 142380

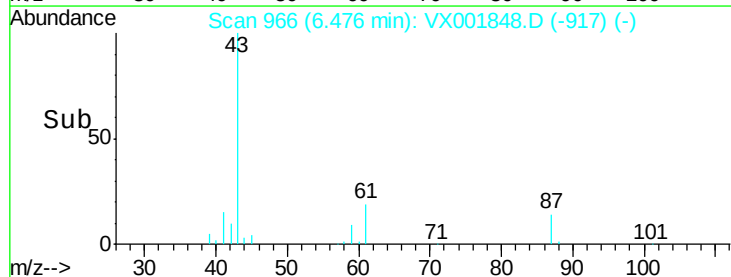
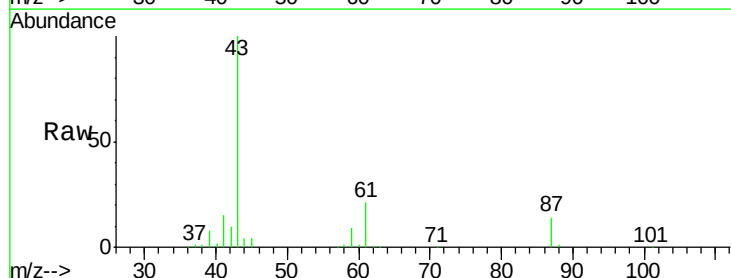
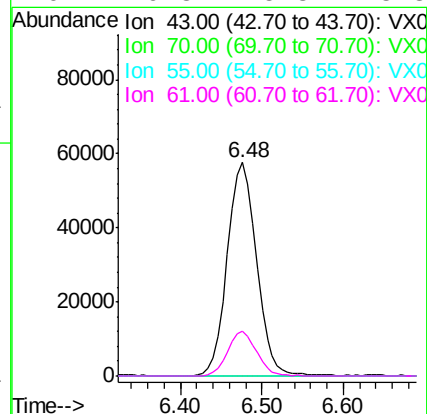
Ion Ratio Lower Upper

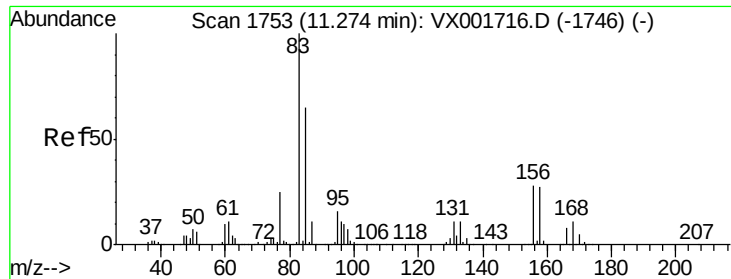
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 20.8 15.8 23.8





#75

1,1,2,2-Tetrachloroethane

Concen: 23.78 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD02

Tot Ion: 83 Resp: 83809

Ion Ratio Lower Upper

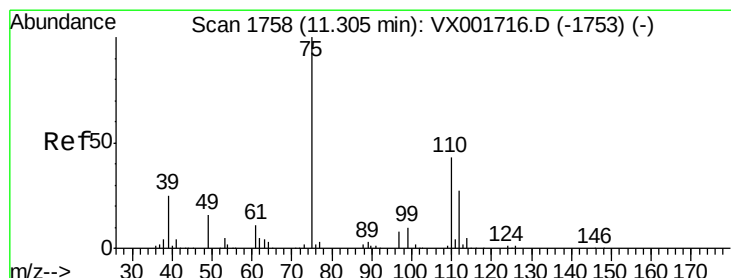
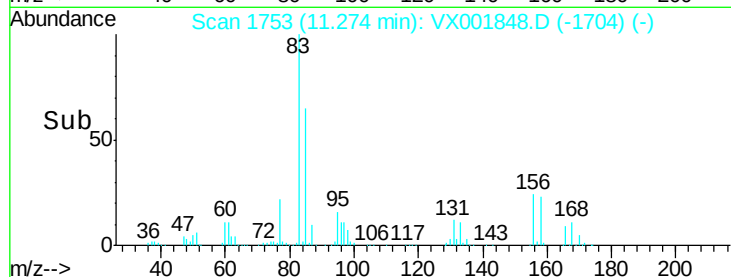
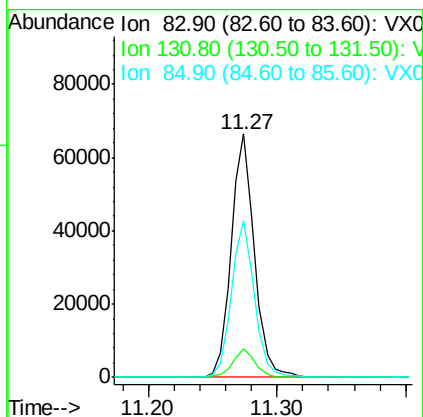
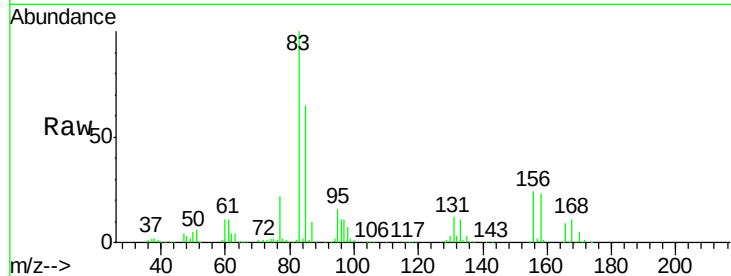
83 100

131 11.3 5.7 17.0

85 64.0 32.7 98.1

Manual Integrations
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MMDadoda
5/21/2018 2:40:40 PM



#76

1,2,3-Trichloropropane

Concen: 23.69 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX001848.D

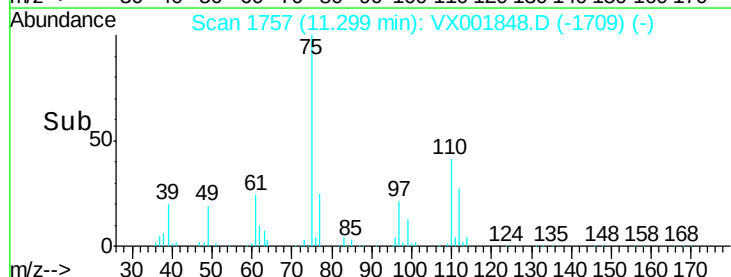
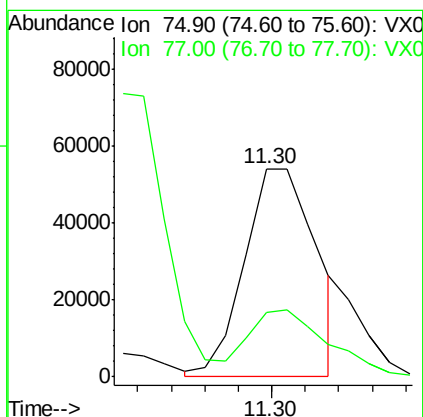
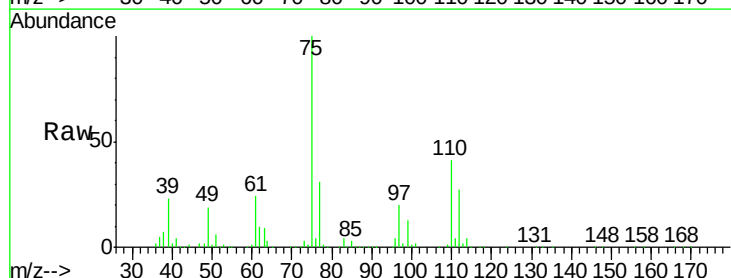
Acq: 19 May 2018 02:00

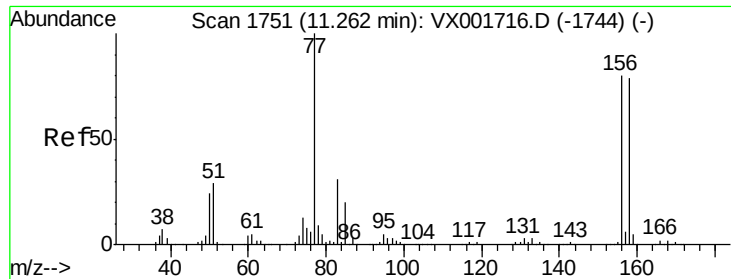
Tgt Ion: 75 Resp: 80371

Ion Ratio Lower Upper

75 100

77 35.5 18.9 56.7





#77

Bromobenzene

Concen: 22.21 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

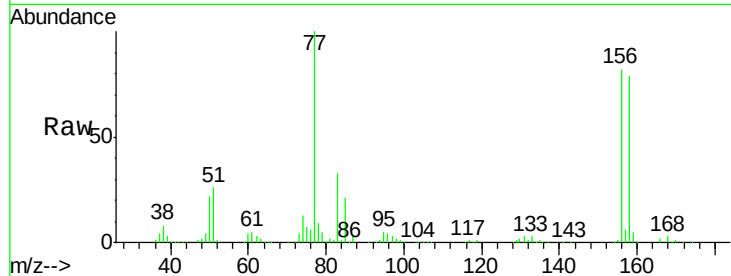
ClientSampleId :

VX0518WBSD02

Tot Ion:	156	Resp:	76674
Ion Ratio	Lower	Upper	
156	100		
77	131.3	65.3	196.0
158	97.8	49.1	147.3

Manual Integrations
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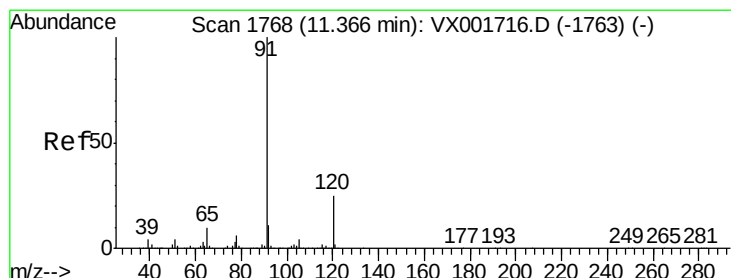
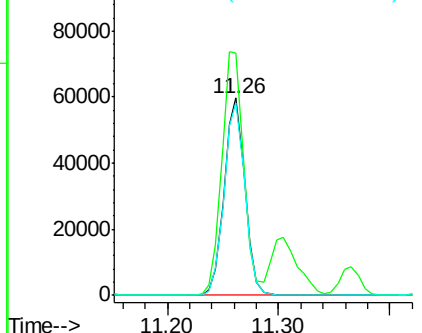
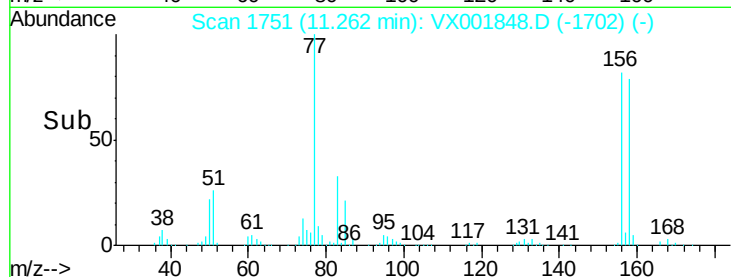
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.42 ug/l

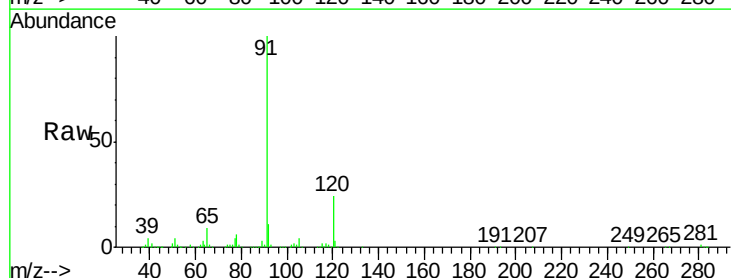
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001848.D

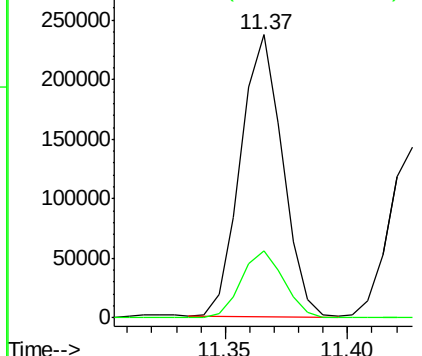
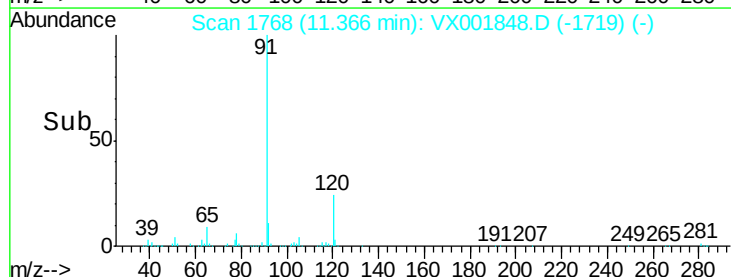
Acq: 19 May 2018 02:00

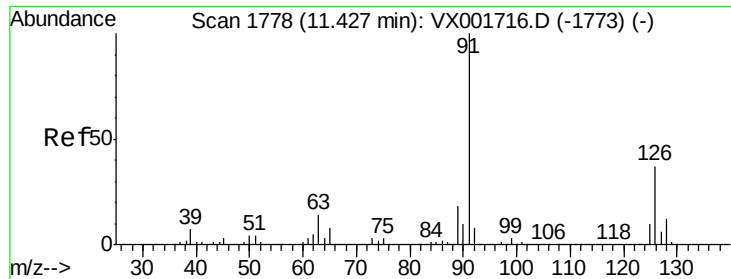
Tgt Ion:	91	Resp:	283581
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.5	37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.23 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD02

Tot Ion: 91 Resp: 175965

Ion Ratio Lower Upper

91 100

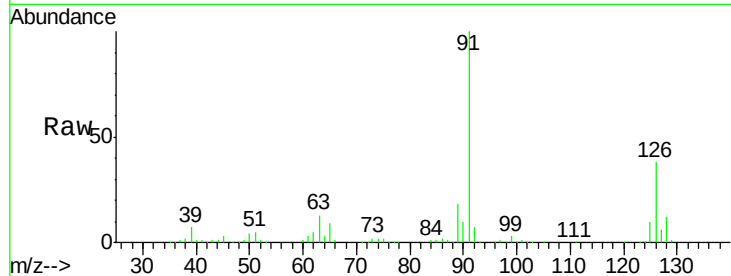
126 37.2 18.4 55.4

Manual Integrations

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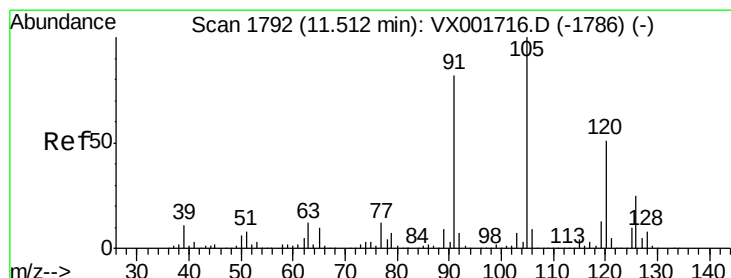
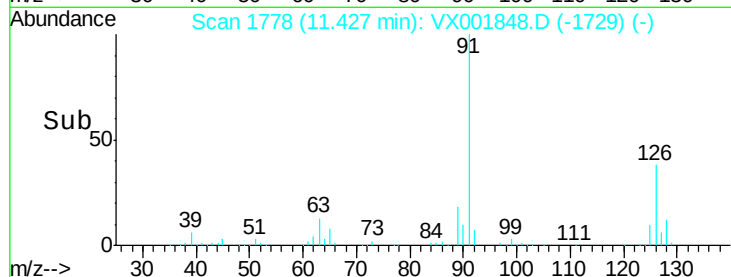
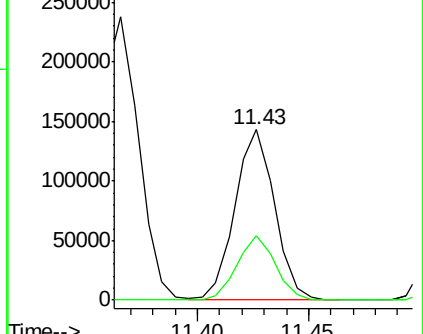
MMDadoda

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

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



#80

1,3,5-Trimethylbenzene

Concen: 22.96 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001848.D

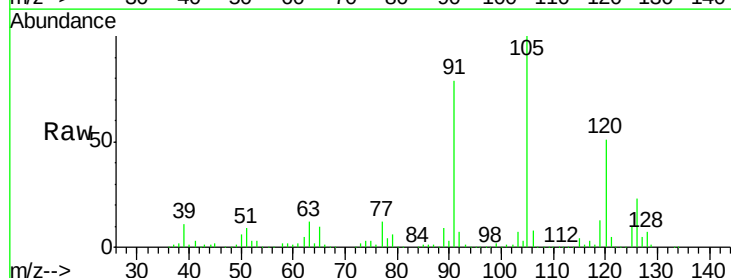
Acq: 19 May 2018 02:00

Tgt Ion: 105 Resp: 221297

Ion Ratio Lower Upper

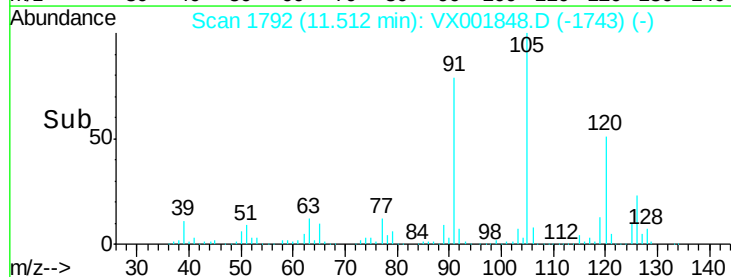
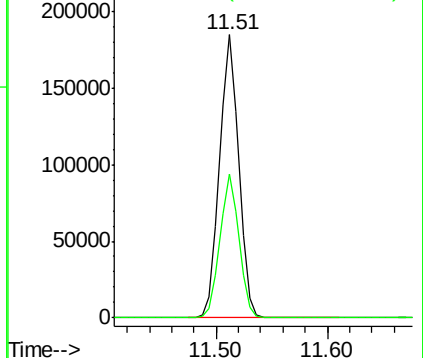
105 100

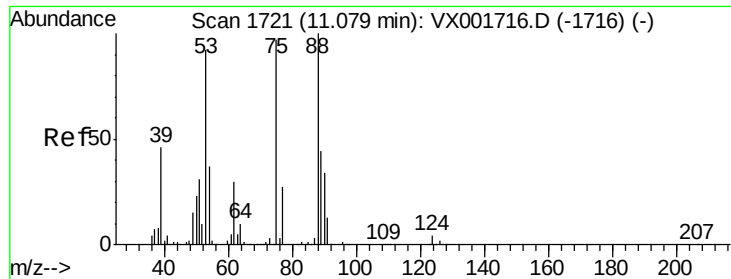
120 50.4 25.7 77.0



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.43 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

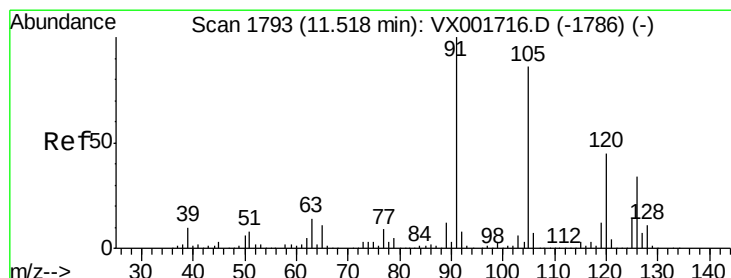
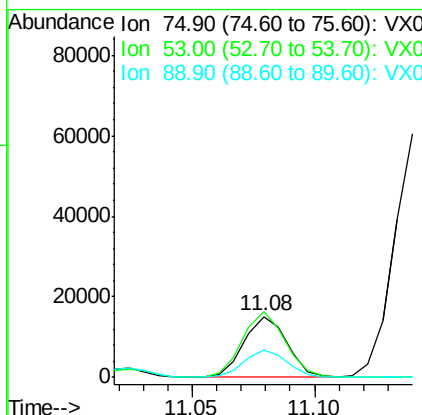
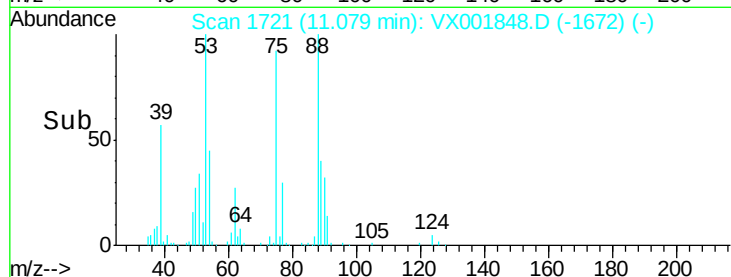
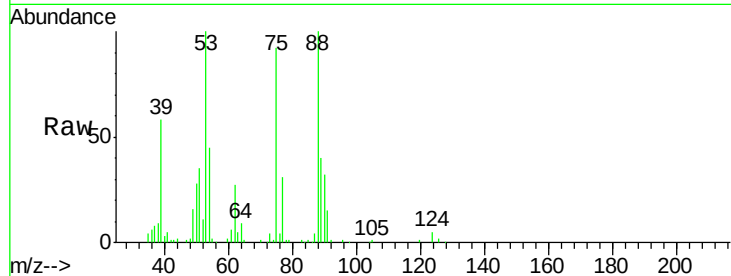
ClientSampleId :

VX0518WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.7	79.4	119.2
89	44.8	38.8	58.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.52 ug/l

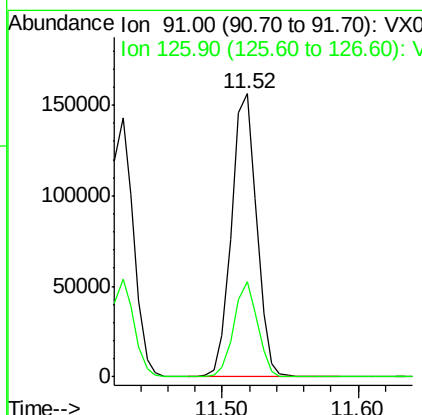
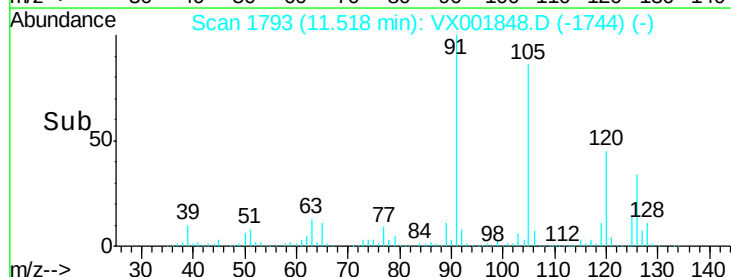
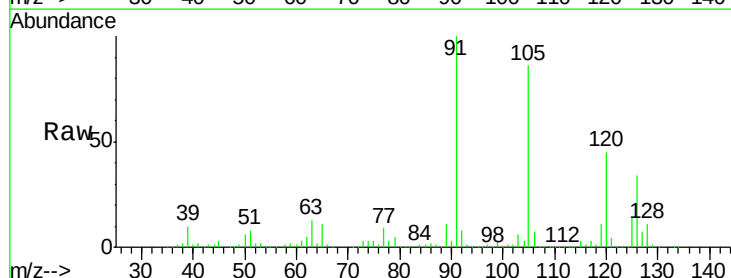
RT: 11.52 min Scan# 1793

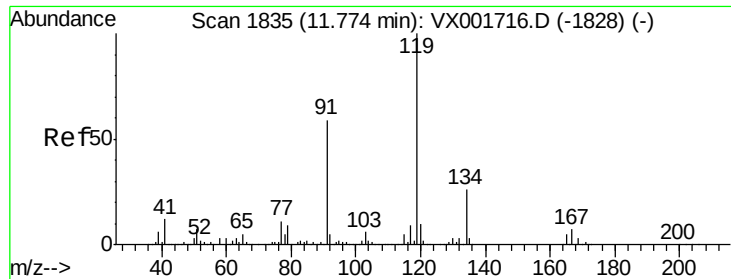
Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.4	49.1





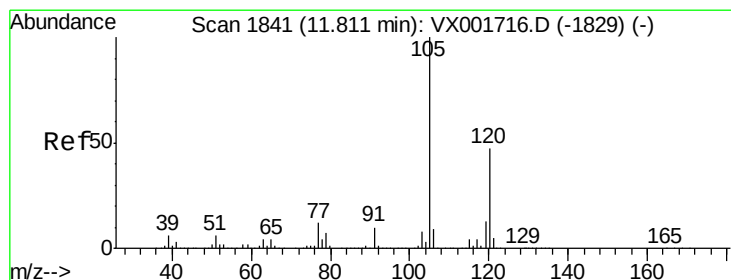
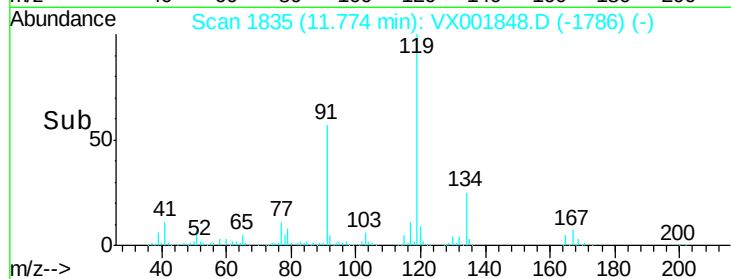
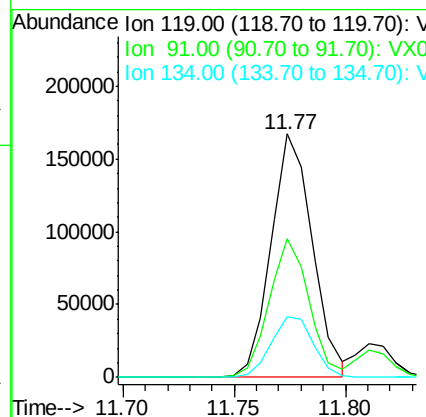
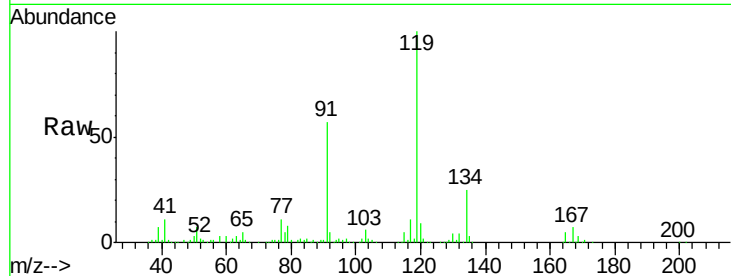
#83
 tert-Butylbenzene
 Concen: 22.49 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.0	27.7	83.0
134	25.7	12.7	38.1

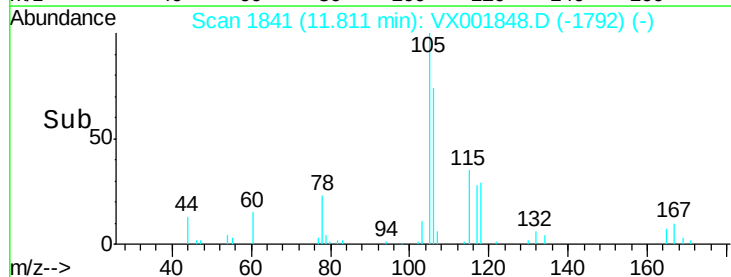
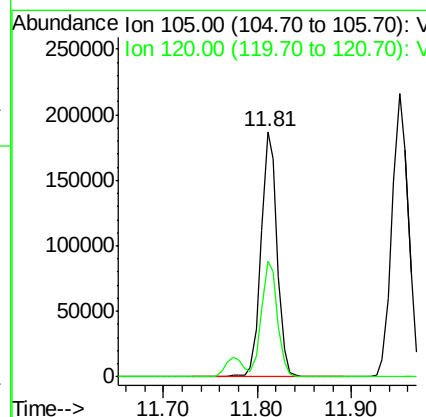
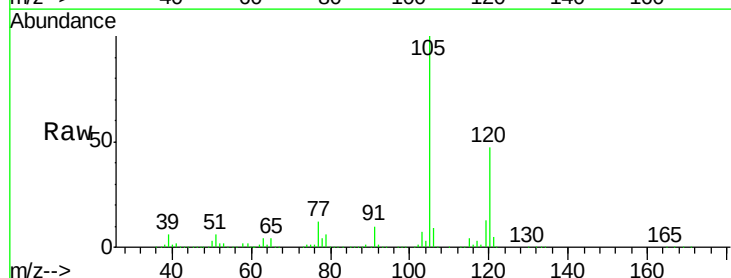
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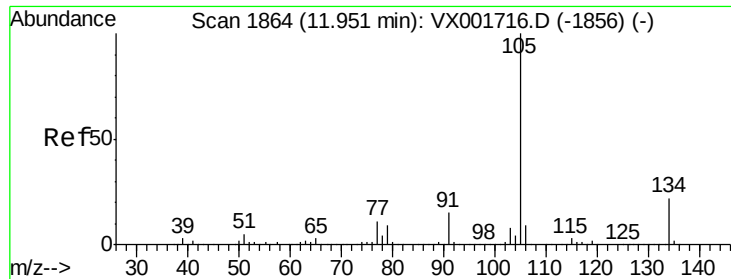
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 5/21/2018 2:40:40 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.64 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.5	70.5





#85

sec-Butylbenzene

Concen: 22.15 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

ClientSampleID :

VX0518WBSD02

Tot Ion:105 Resp: 262317

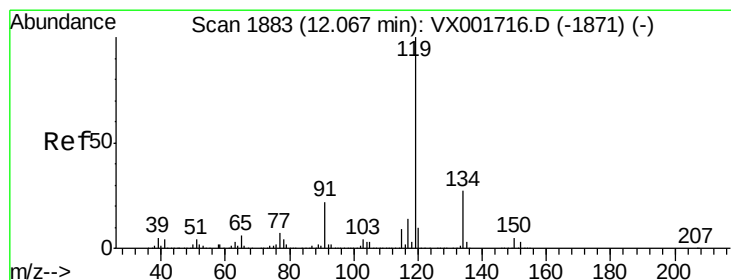
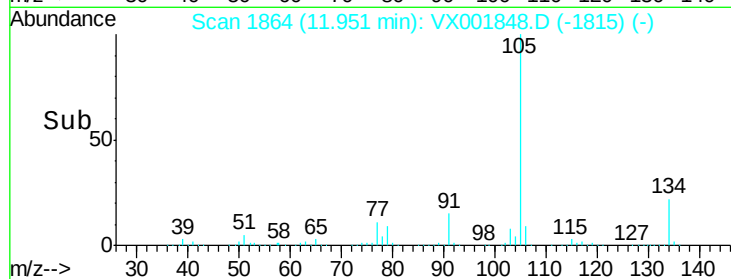
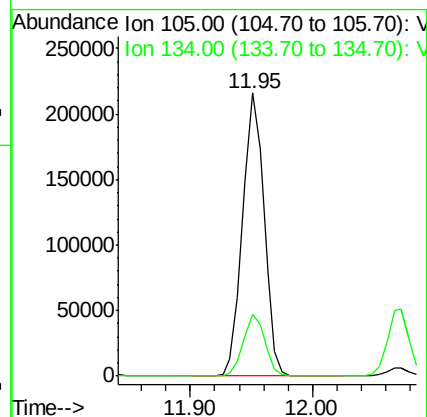
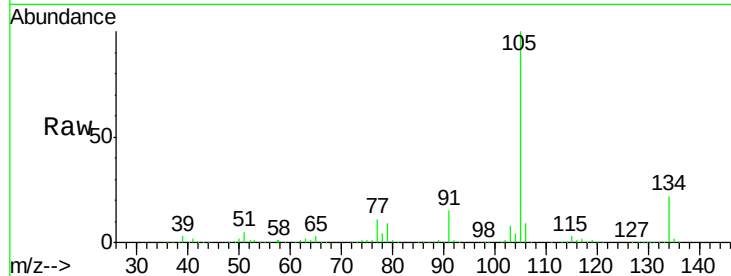
Ion Ratio Lower Upper

105 100

134 21.8 10.9 32.6

Manual Integrations
APPROVED

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#86

p-Isopropyltoluene

Concen: 21.43 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

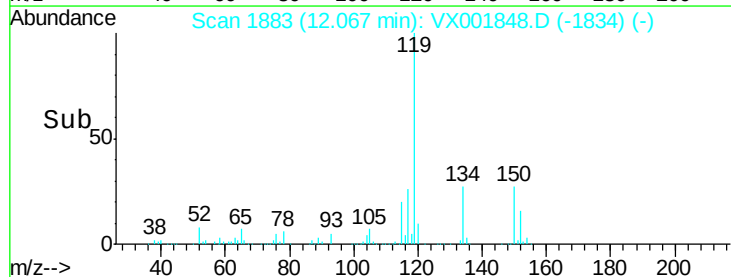
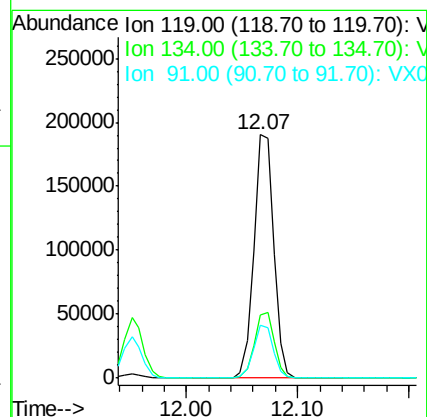
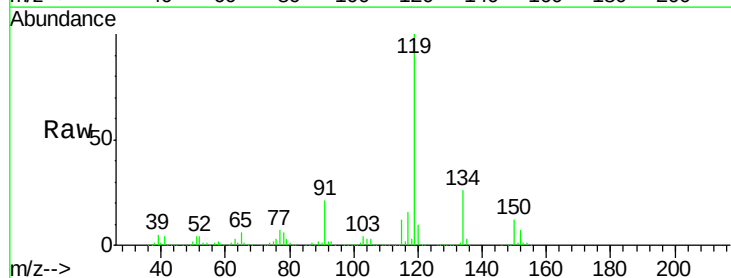
Tgt Ion:119 Resp: 234865

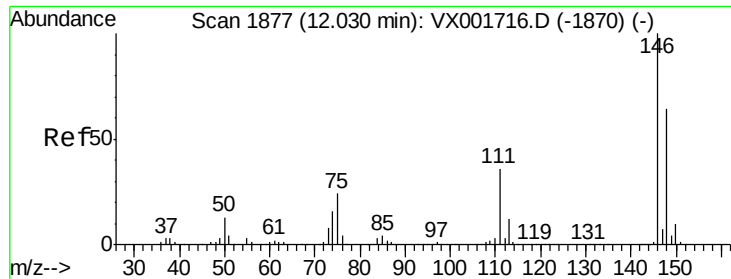
Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

91 21.6 10.7 32.1





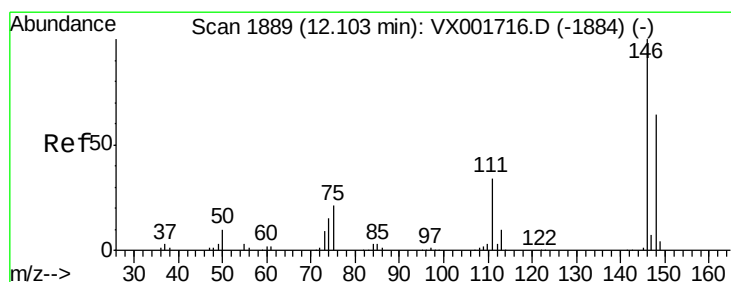
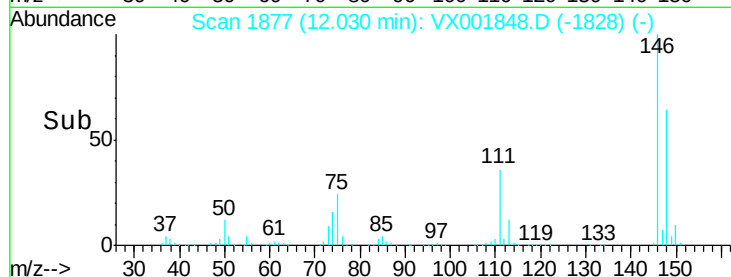
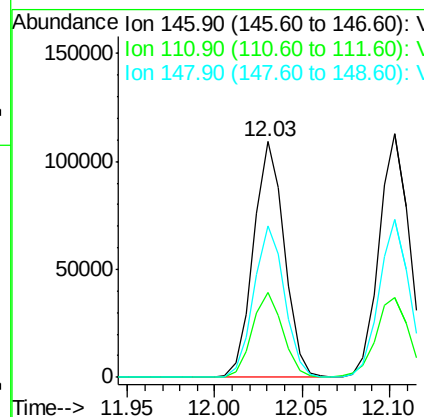
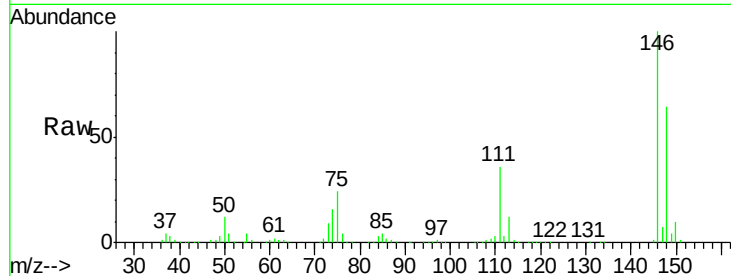
#87
 1,3-Dichlorobenzene
 Concen: 20.98 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.8	53.4
148	63.9	32.1	96.3

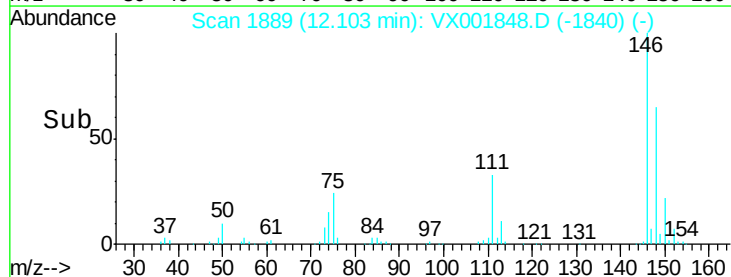
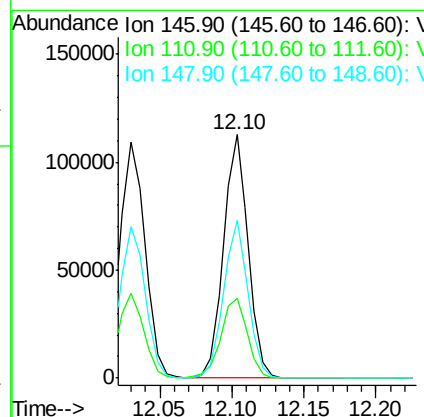
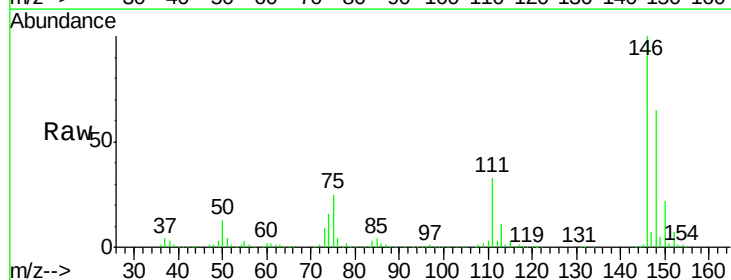
Manual Integrations
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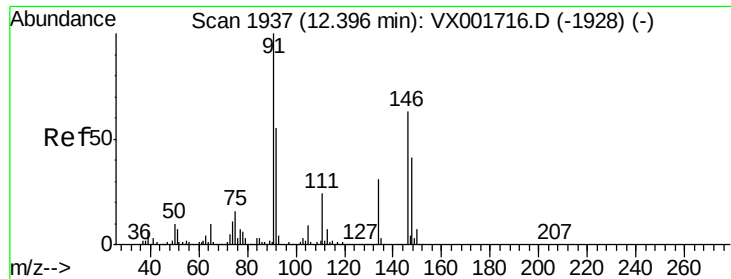
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#88
 1,4-Dichlorobenzene
 Concen: 20.52 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.3	52.0
148	64.6	32.3	96.9





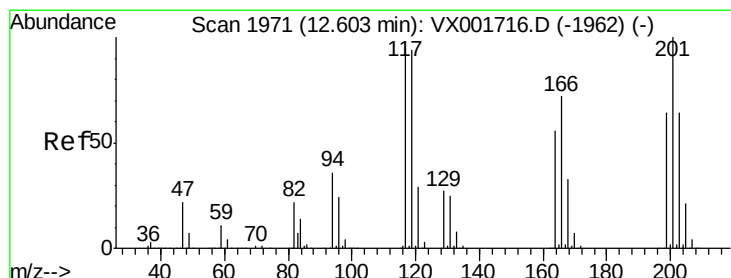
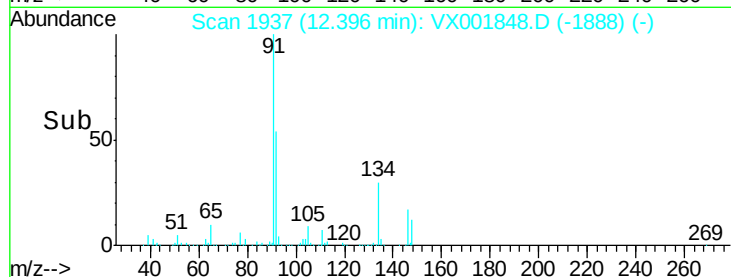
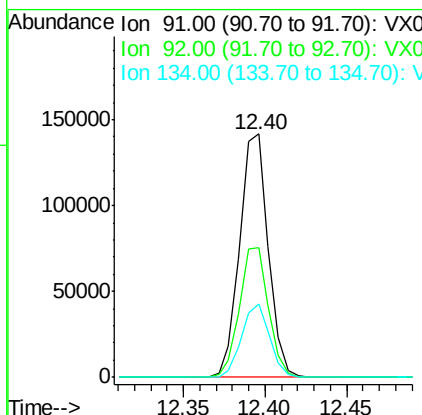
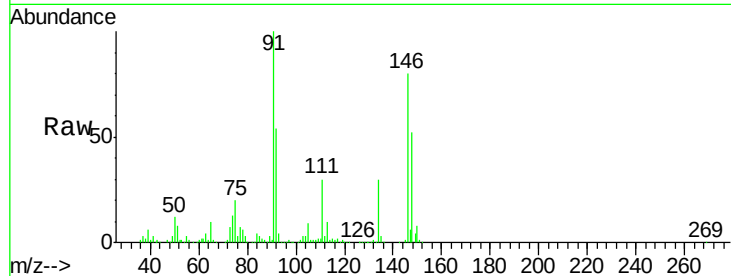
#89
n-Butylbenzene
Concen: 18.29 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.3	81.9
134	29.6	14.7	44.1

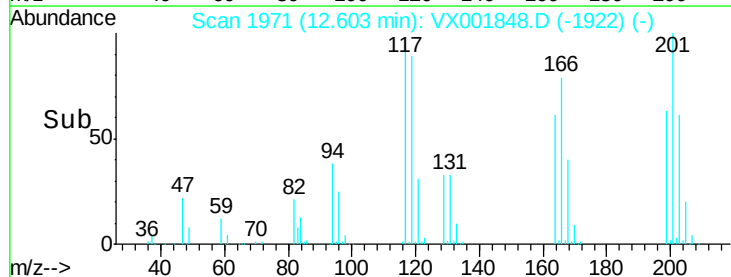
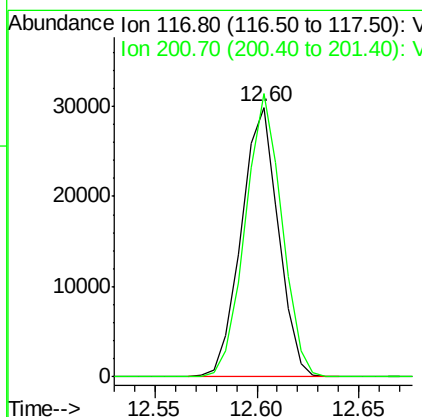
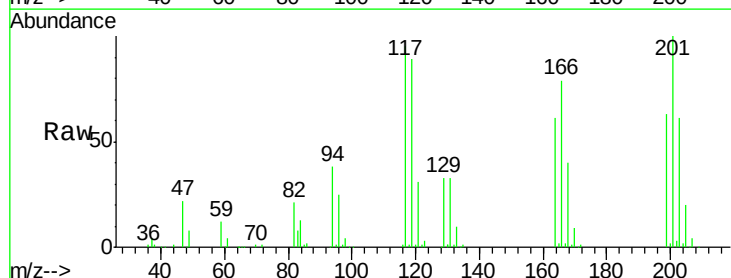
Manual Integrations
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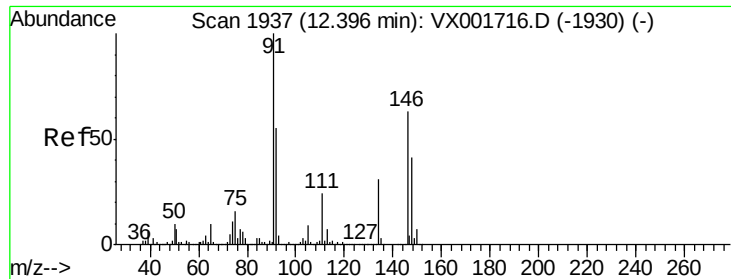
MMDadoda
5/21/2018 2:40:40 PM



#90
Hexachloroethane
Concen: 22.20 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001848.D
Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.3	51.9	155.7





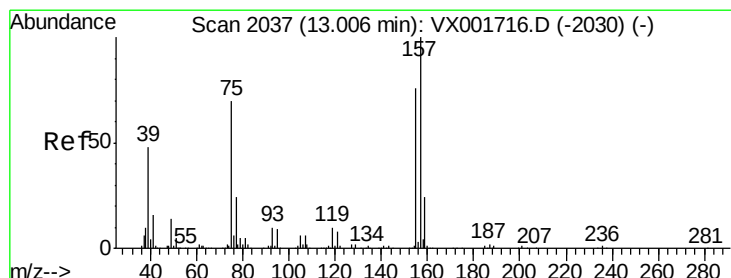
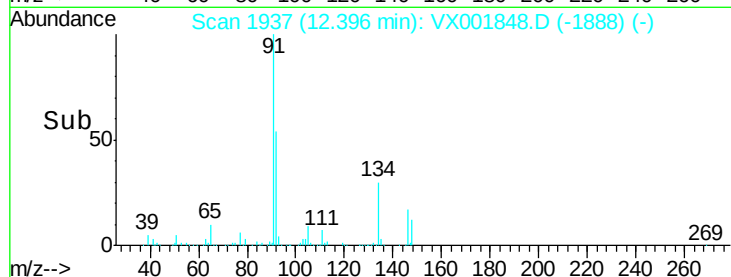
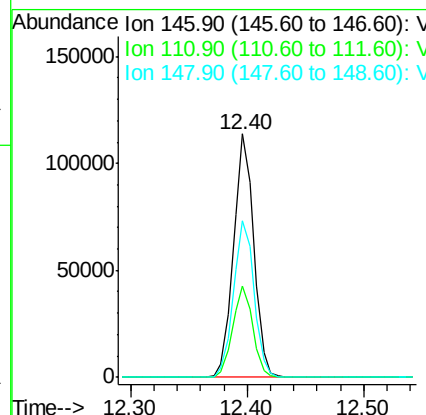
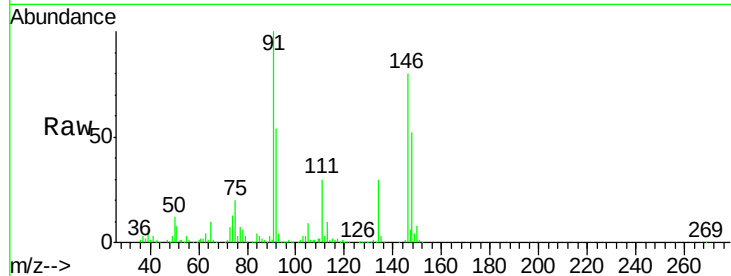
#91
 1,2-Dichlorobenzene
 Concen: 21.62 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	56.0
148	65.6	32.4	97.0

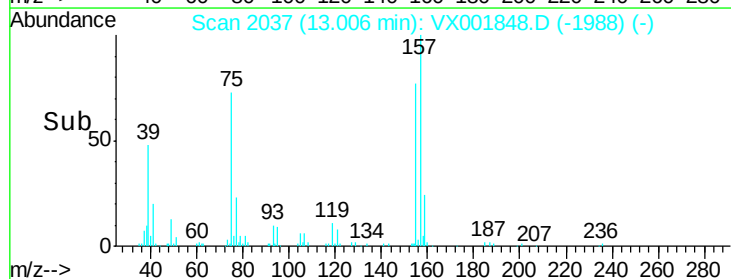
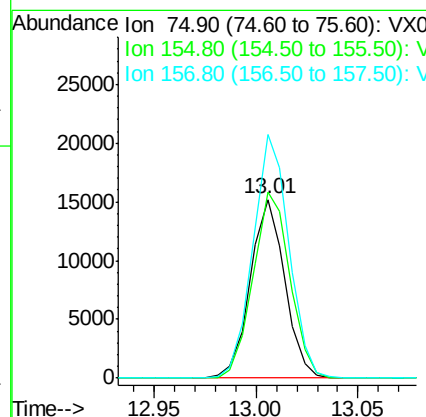
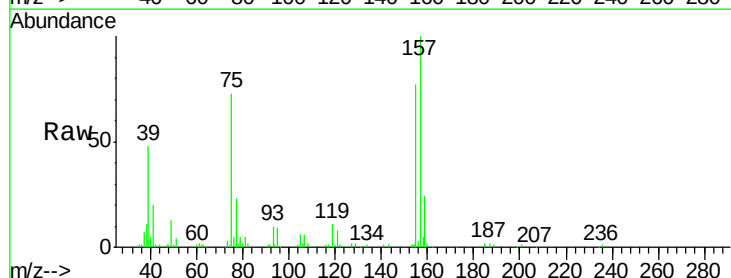
Manual Integrations
 APPROVED

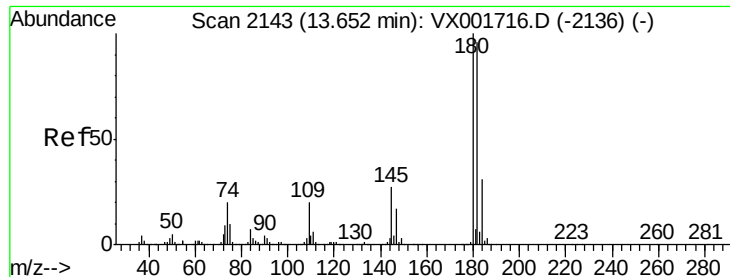
MMDadoda
 5/21/2018 2:40:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.79 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	111.5	53.9	161.8
157	142.0	71.0	213.2





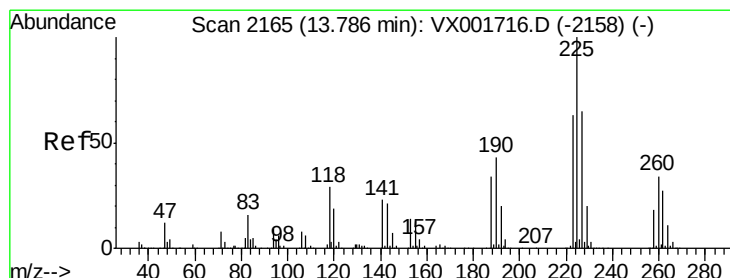
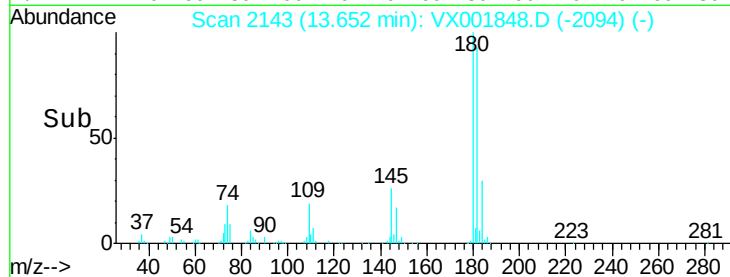
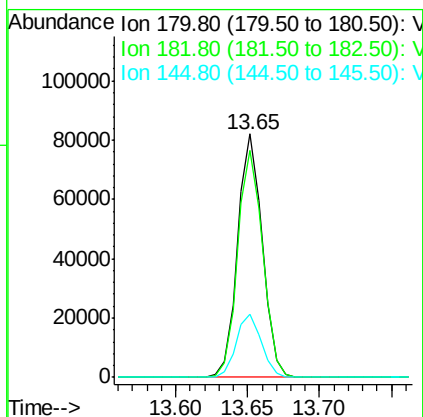
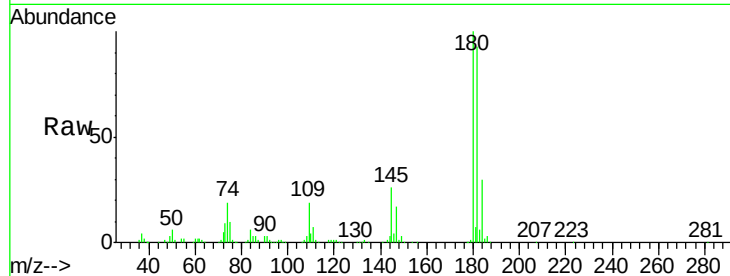
#93
 1,2,4-Trichlorobenzene
 Concen: 19.27 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	47.6	142.9	
145	26.6	13.4	40.1	

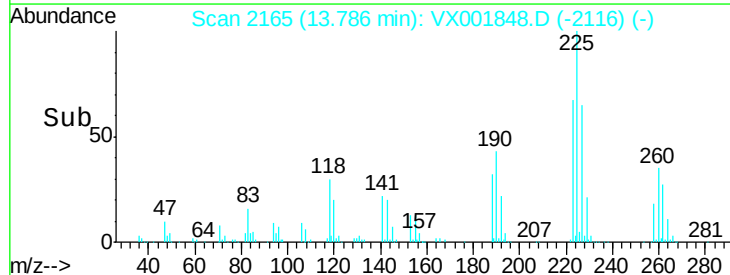
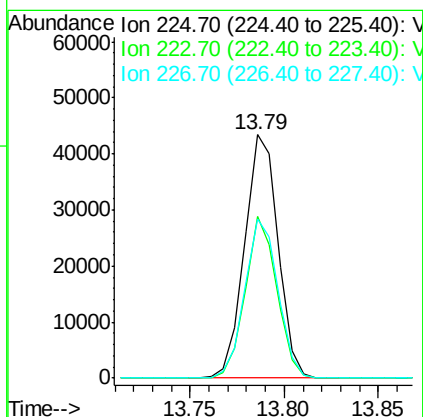
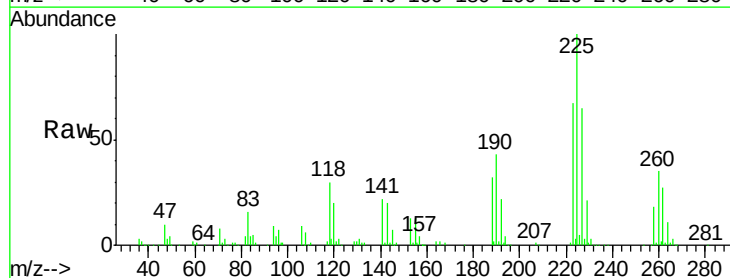
Manual Integrations
 APPROVED

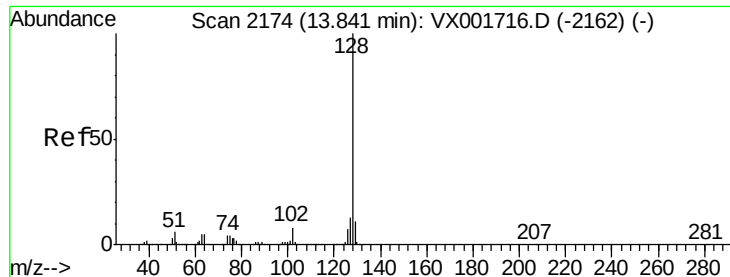
MMDadoda
 5/21/2018 2:40:40 PM



#94
 Hexachlorobutadiene
 Concen: 19.65 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001848.D
 Acq: 19 May 2018 02:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.1	93.5	
227	64.6	31.9	95.5	





#95

Naphthalene

Concen: 21.90 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Instrument :

MSVOA_X

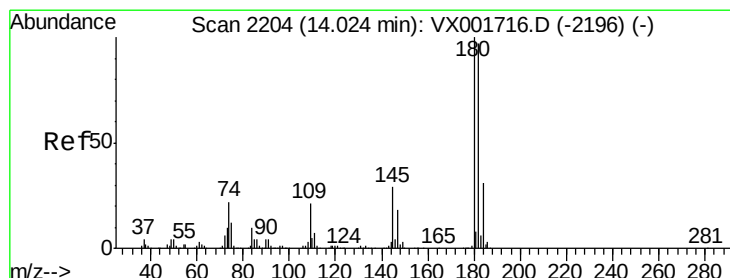
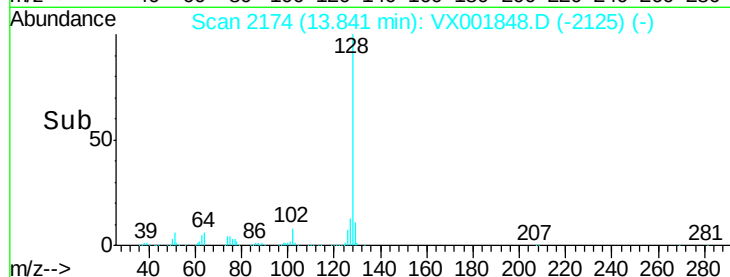
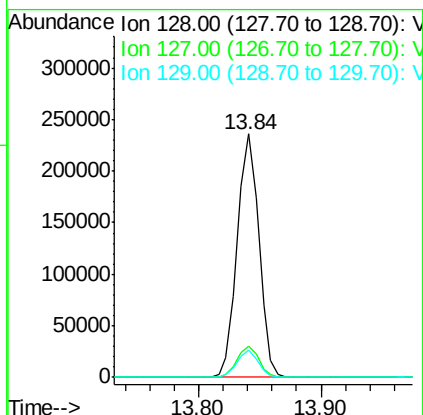
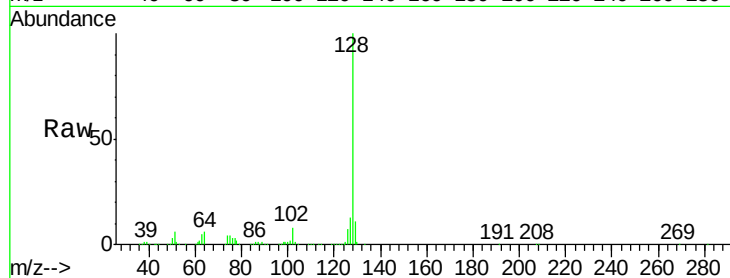
ClientSampleId :

VX0518WBSD02

Tot Ion:	128	Resp:	288715
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/21/2018 2:40:40 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.60 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001848.D

Acq: 19 May 2018 02:00

Tgt Ion:	180	Resp:	105180
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.9	143.7
145	28.1	14.2	42.8

