

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
 Data File : VX001718.D
 Acq On : 14 May 2018 19:10
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/16/2018 11:54:09 AM

Quant Time: May 15 01:29:06 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:02:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	323255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	430731	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	372523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	260621	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	598393	130.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	261.94%	
35) Dibromofluoromethane	5.51	113	518871	137.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	274.10%	
50) Toluene-d8	8.72	98	1923621	138.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	277.72%	
62) 4-Bromofluorobenzene	11.15	95	683123	130.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	261.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	464040	111.88	ug/l	99
3) Chloromethane	1.32	50	513338	124.79	ug/l	99
4) Vinyl Chloride	1.40	62	544717	126.06	ug/l	100
5) Bromomethane	1.64	94	228309	90.86	ug/l	98
6) Chloroethane	1.70	64	303619	107.03	ug/l	100
7) Trichlorofluoromethane	1.92	101	767435	118.75	ug/l	99
8) Diethyl Ether	2.19	74	329171	129.04	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	458762	120.76	ug/l	99
10) Methyl Iodide	2.51	142	512723	100.53	ug/l	98
11) Tert butyl alcohol	3.10	59	603394	645.72	ug/l	98
12) 1,1-Dichloroethene	2.37	96	447486	127.67	ug/l	98
13) Acrolein	2.30	56	428212	1467.50	ug/l	100
14) Allyl chloride	2.73	41	862400	131.76	ug/l	98
15) Acrylonitrile	3.16	53	1454042	670.67	ug/l	100
16) Acetone	2.46	43	1195690	584.63	ug/l	100
17) Carbon Disulfide	2.56	76	1236608	138.78	ug/l	99
18) Methyl Acetate	2.78	43	750026	136.76	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	1568392	128.50	ug/l	100
20) Methylene Chloride	2.85	84	505634	123.55	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	488432	124.60	ug/l	98
22) Diisopropyl ether	3.88	45	1675714	136.33	ug/l	99
23) Vinyl Acetate	3.83	43	5777456	582.35	ug/l	99
24) 1,1-Dichloroethane	3.70	63	881465	129.13	ug/l	100
25) 2-Butanone	4.72	43	2020512	676.07	ug/l	98
26) 2,2-Dichloropropane	4.59	77	727074	137.15	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	586457	138.96	ug/l	98
28) Bromochloromethane	5.03	49	391416	130.31	ug/l	98
29) Tetrahydrofuran	5.18	42	1317736	687.14	ug/l	99
30) Chloroform	5.23	83	932493	131.93	ug/l	99
31) Cyclohexane	5.57	56	815737	137.91	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	838356	135.90	ug/l	99
36) 1,1-Dichloropropene	5.80	75	706925	130.94	ug/l	100
37) Ethyl Acetate	4.88	43	785265	133.67	ug/l	100
38) Carbon Tetrachloride	5.79	117	762298	133.23	ug/l	99

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 QLast Update : Tue May 15 01:02:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	880480	137.94	ug/l	99
40) Benzene	6.15	78	2107160	133.65	ug/l	100
41) Methacrylonitrile	5.07	41	451089	133.80	ug/l	99
42) 1,2-Dichloroethane	6.20	62	742423	123.75	ug/l	99
43) Isopropyl Acetate	6.48	43	1287808	142.67	ug/l	99
44) Trichloroethene	7.22	130	645496	133.24	ug/l	98
45) 1,2-Dichloropropane	7.52	63	534052	135.80	ug/l	98
46) Dibromomethane	7.67	93	364284	131.35	ug/l	98
47) Bromodichloromethane	7.90	83	729035	142.15	ug/l	98
48) Methyl methacrylate	7.79	41	682720	139.36	ug/l	98
49) 1,4-Dioxane	7.77	88	274992	2654.56	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	4098317	685.35	ug/l	98
52) Toluene	8.79	92	1366106	132.57	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	900650	154.63	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	844390	161.47	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	510451	124.03	ug/l	100
56) Ethyl methacrylate	9.19	69	875677	148.15	ug/l	99
57) 1,3-Dichloropropane	9.38	76	849528	125.08	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1823424	622.95	ug/l	99
59) 2-Hexanone	9.51	43	2892966	639.71	ug/l	98
60) Dibromochloromethane	9.59	129	594752	142.05	ug/l	99
61) 1,2-Dibromoethane	9.68	107	550059	127.71	ug/l	100
64) Tetrachloroethene	9.34	164	649043	126.54	ug/l	99
65) Chlorobenzene	10.15	112	1475933	136.61	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	562413	145.98	ug/l	99
67) Ethyl Benzene	10.26	91	2447671	138.36	ug/l	100
68) m/p-Xylenes	10.37	106	1938706	277.65	ug/l	99
69) o-Xylene	10.71	106	947553	139.99	ug/l	99
70) Styrene	10.72	104	1602739	145.47	ug/l	100
71) Bromoform	10.87	173	535093	169.82	ug/l	99
73) Isopropylbenzene	11.02	105	2494135	138.54	ug/l	100
74) N-amyl acetate	6.48	43	1287808	155.81	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	777302	146.34	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	731248m	138.35	ug/l	
77) Bromobenzene	11.26	156	732518	139.51	ug/l	100
78) n-propylbenzene	11.37	91	2791687	142.14	ug/l	99
79) 2-Chlorotoluene	11.43	91	1668179	138.54	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	2110107	141.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	266576	191.24	ug/l	93
82) 4-Chlorotoluene	11.52	91	1980029	142.42	ug/l	100
83) tert-Butylbenzene	11.78	119	2170527	146.29	ug/l	97
84) 1,2,4-Trimethylbenzene	11.82	105	2189287	142.32	ug/l	99
85) sec-Butylbenzene	11.95	105	2574778	143.97	ug/l	99
86) p-Isopropyltoluene	12.07	119	2413570	147.42	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	1351471	144.20	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	1370005	143.25	ug/l	99
89) n-Butylbenzene	12.40	91	2079346	152.26	ug/l	99
90) Hexachloroethane	12.60	117	423389	169.88	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	1342384	141.13	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	186728	160.62	ug/l	98

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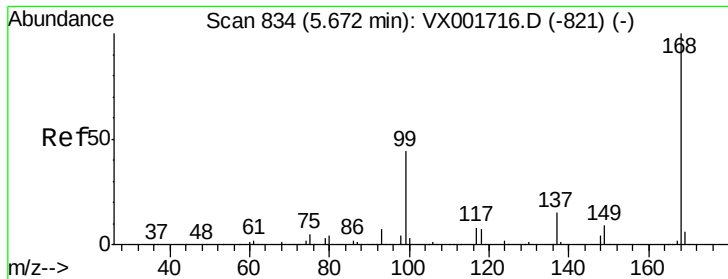
Manual Integrations
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5/16/2018 11:54:09 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1108138	157.38	ug/l	99
94) Hexachlorobutadiene	13.79	225	579325	150.50	ug/l	100
95) Naphthalene	13.84	128	3022358	156.23	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	1096160	152.37	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 323255

Ion Ratio Lower Upper

168 100

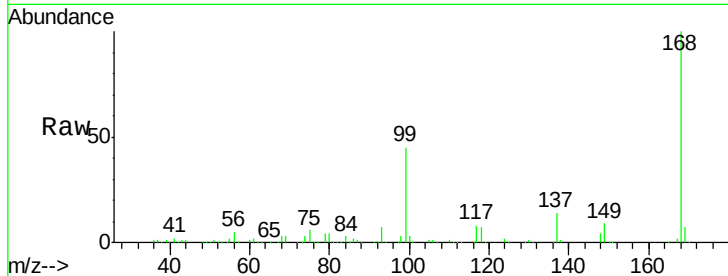
99 44.6 35.0 52.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

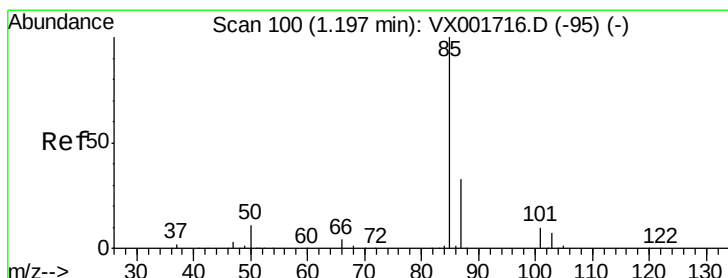
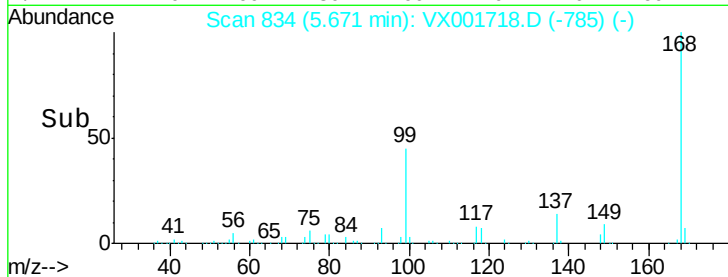
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 111.88 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX001718.D

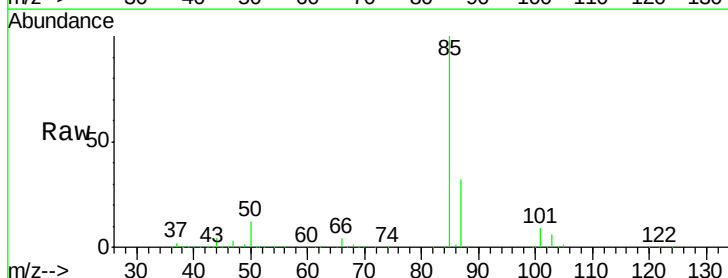
Acq: 14 May 2018 19:10

Tgt Ion: 85 Resp: 464040

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400000

300000

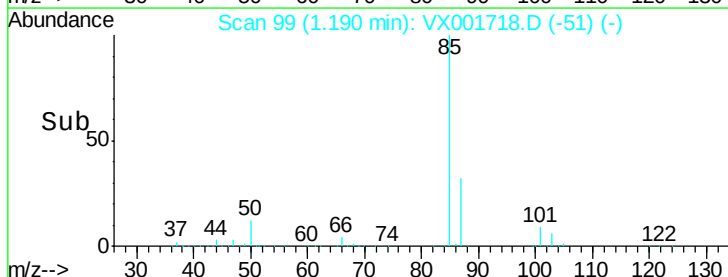
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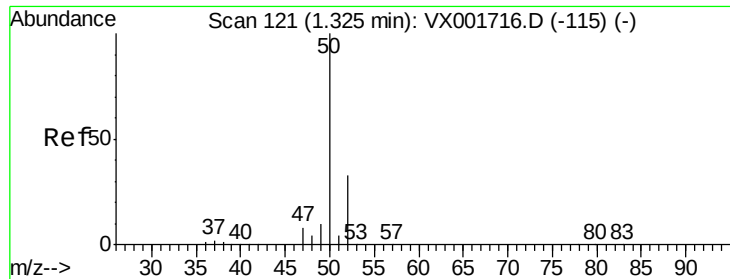
100000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 124.79 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 513338

Ion Ratio Lower Upper

50 100

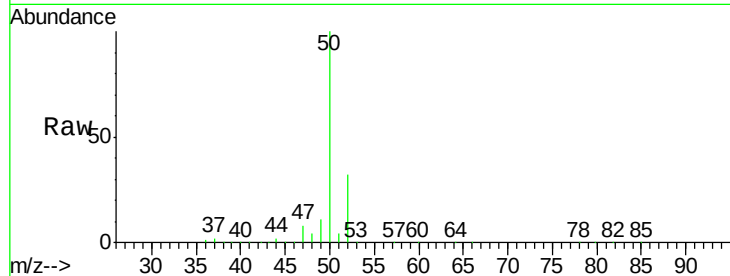
52 32.3 26.3 39.5

Manual Integrations

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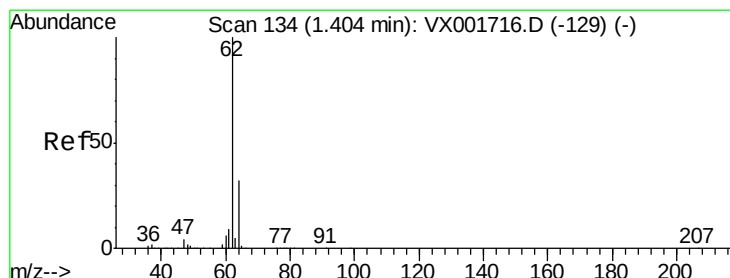
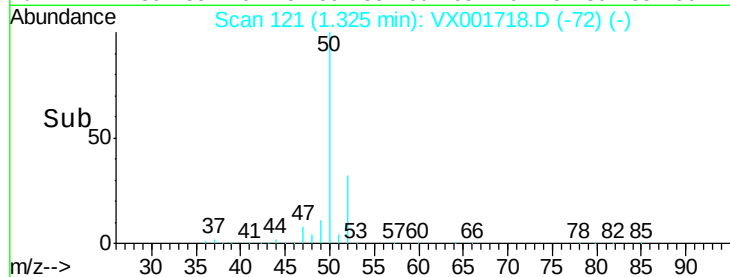
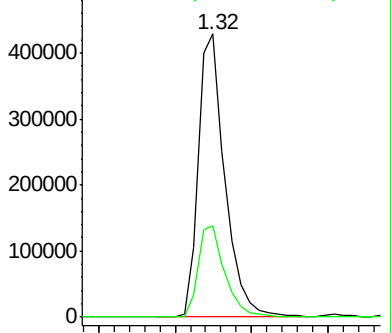
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 126.06 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001718.D

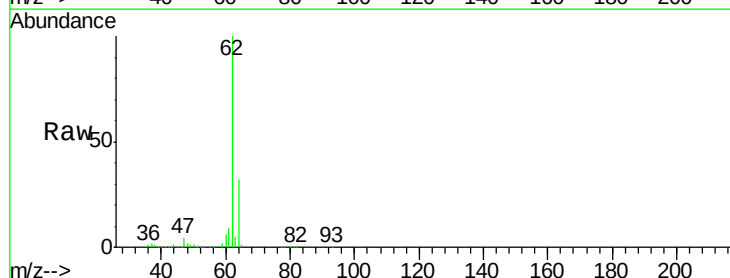
Acq: 14 May 2018 19:10

Tgt Ion: 62 Resp: 544717

Ion Ratio Lower Upper

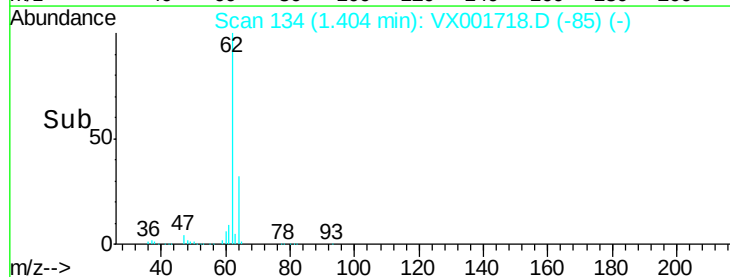
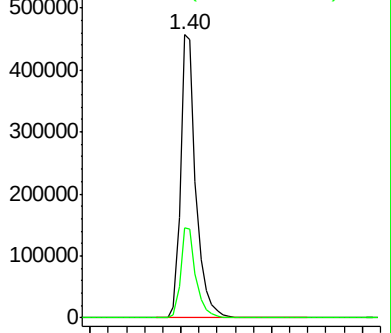
62 100

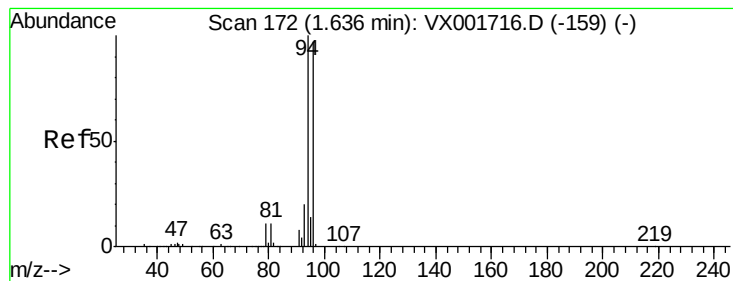
64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 90.86 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 228309

Ion Ratio Lower Upper

94 100

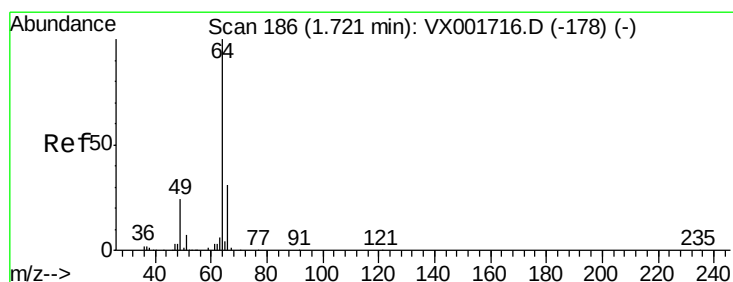
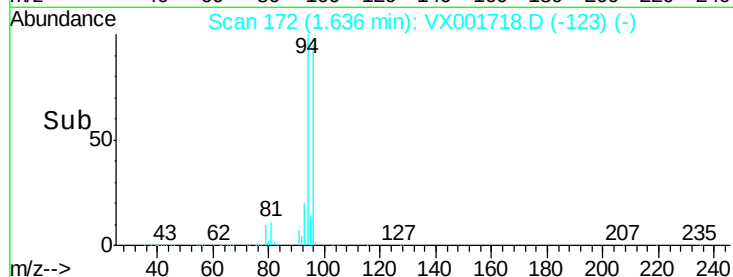
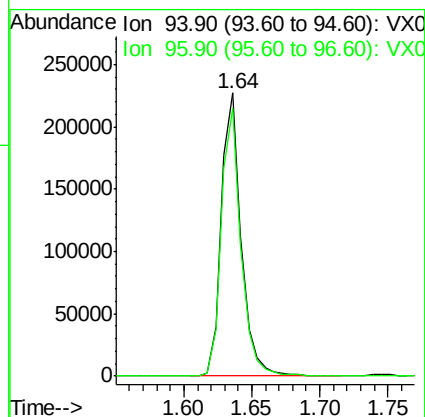
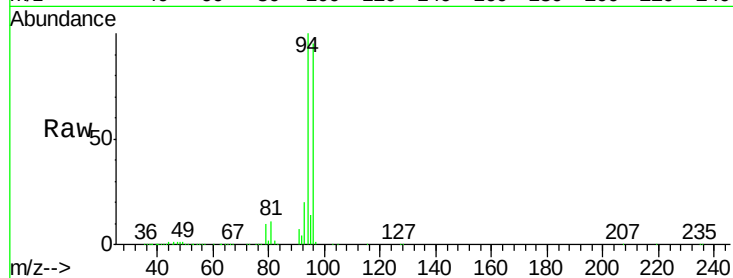
96 94.7 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 107.03 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX001718.D

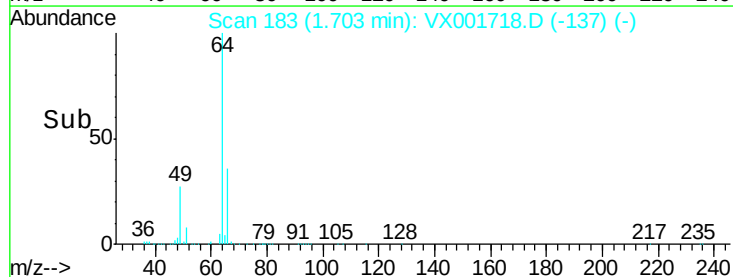
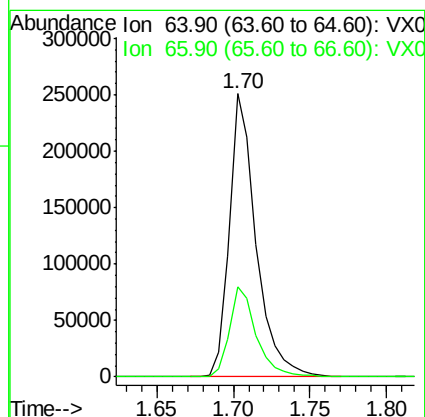
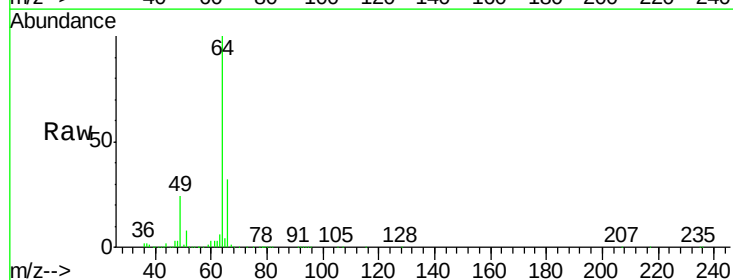
Acq: 14 May 2018 19:10

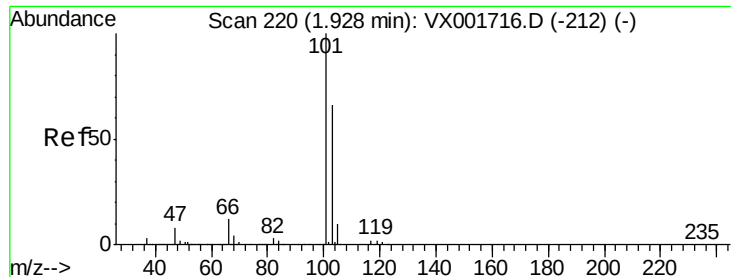
Tgt Ion: 64 Resp: 303619

Ion Ratio Lower Upper

64 100

66 31.7 25.2 37.8





#7

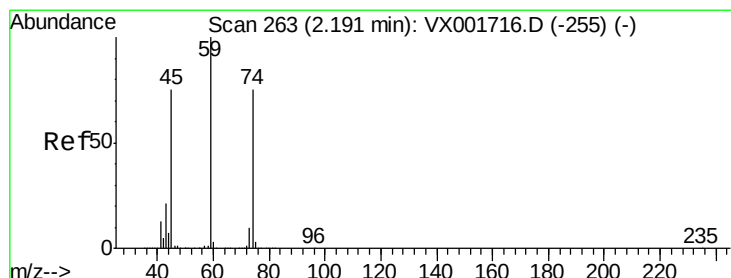
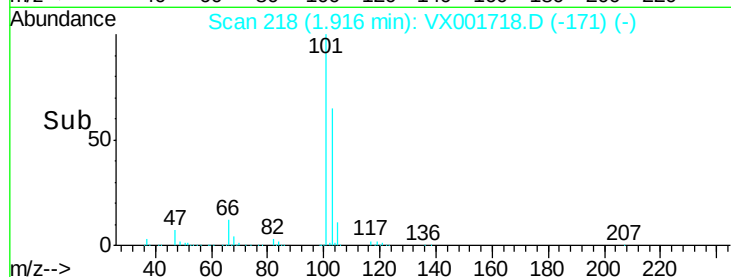
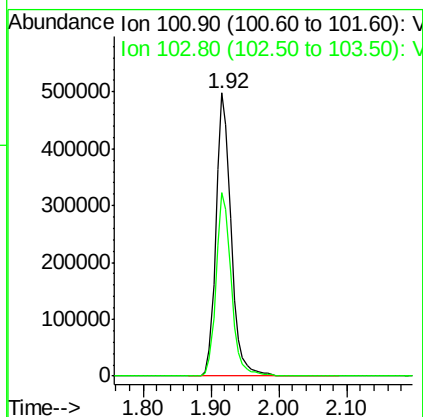
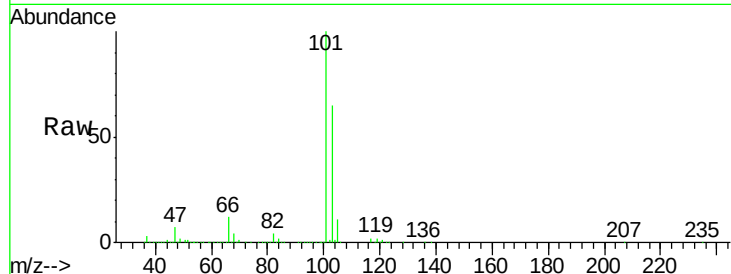
Trichlorofluoromethane
Concen: 118.75 ug/l
RT: 1.92 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

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VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	767435		
103	64.8	52.6	78.8	

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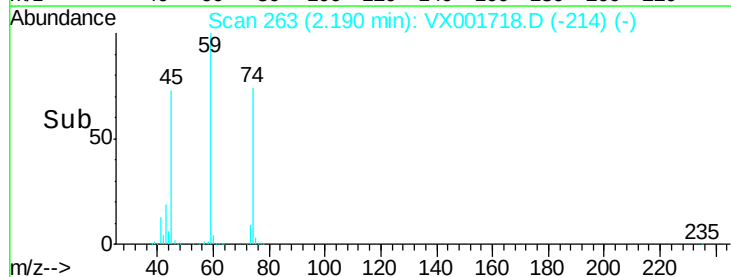
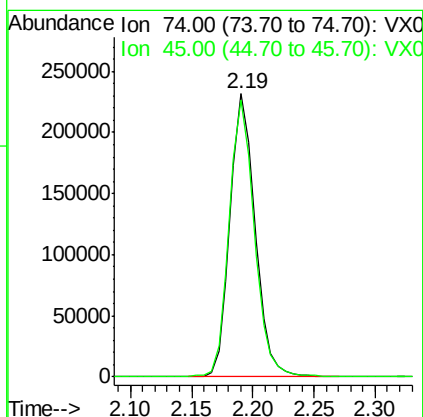
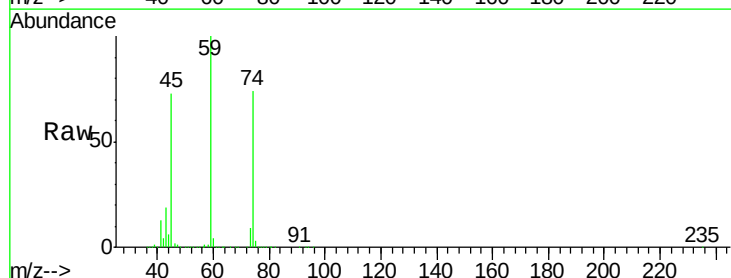
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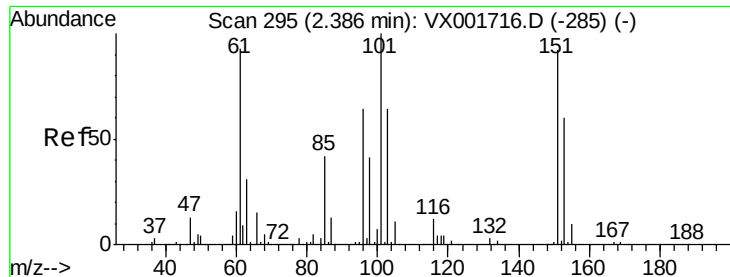


#8

Diethyl Ether
Concen: 129.04 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	329171		
45	98.3	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 120.76 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 458762

Ion Ratio Lower Upper

101 100

85 40.9 33.7 50.5

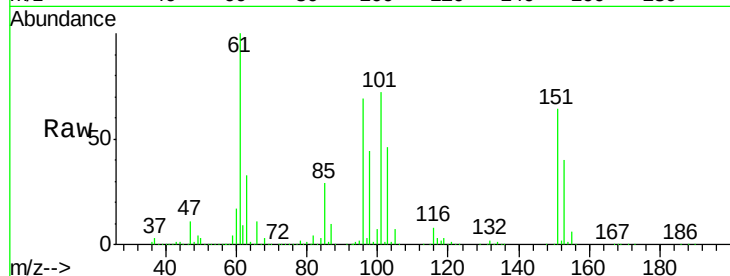
151 90.4 73.0 109.6

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

300000

250000

200000

150000

100000

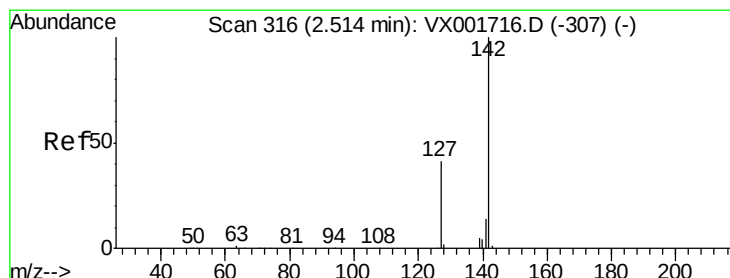
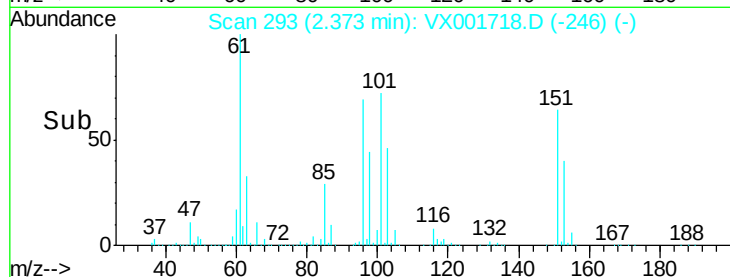
50000

0

2.37

2.20 2.30 2.40 2.50 2.60

Time-->



#10

Methyl Iodide

Concen: 100.53 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

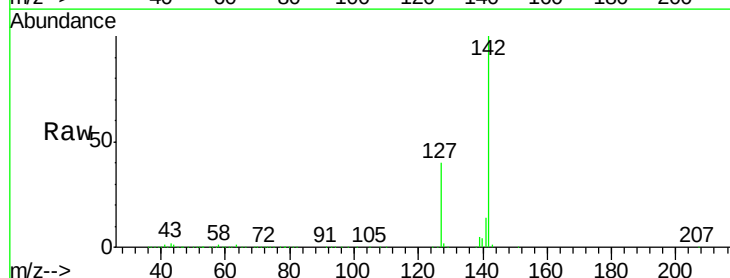
Tgt Ion:142 Resp: 512723

Ion Ratio Lower Upper

142 100

127 39.1 32.5 48.7

141 13.8 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

300000

250000

200000

150000

100000

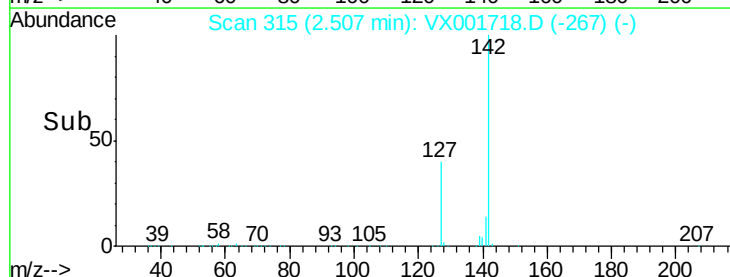
50000

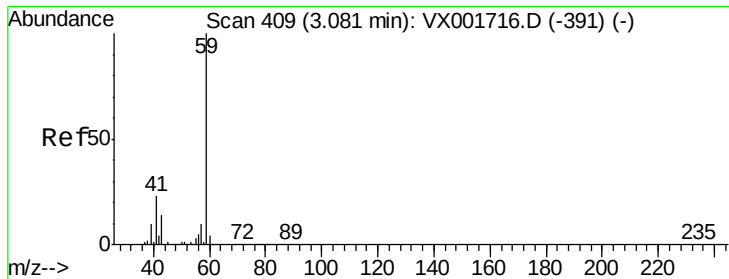
0

2.51

2.40 2.50 2.60 2.70

Time-->





#11

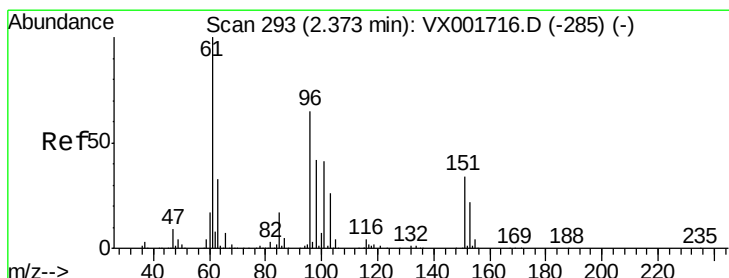
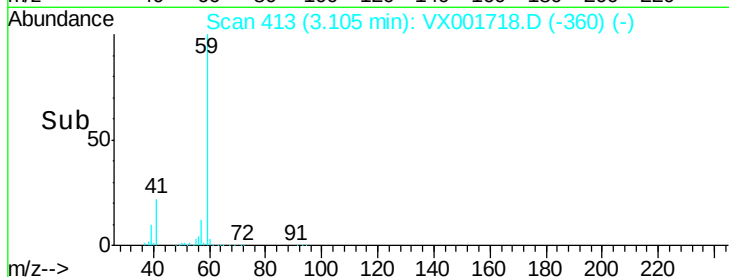
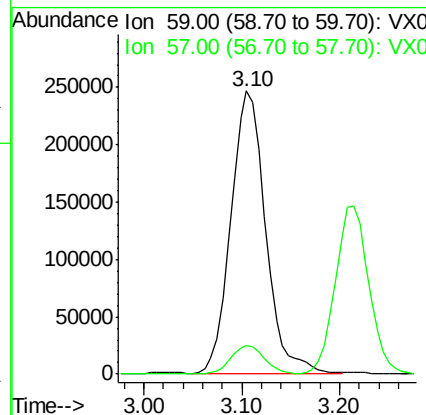
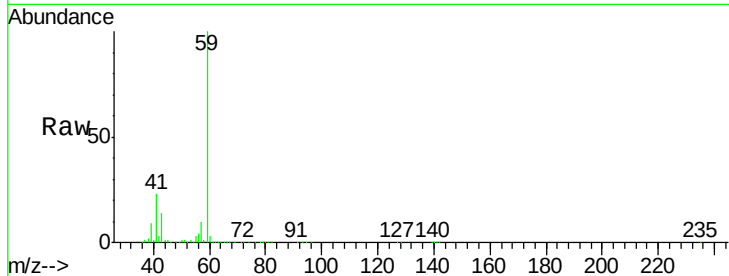
Tert butyl alcohol
Concen: 645.72 ug/l
RT: 3.10 min Scan# 413
Delta R.T. 0.02 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.5	12.7

Manual Integrations
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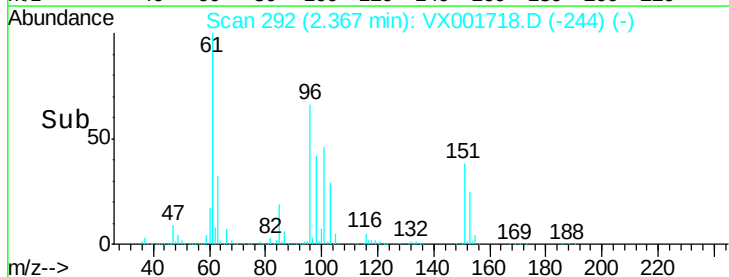
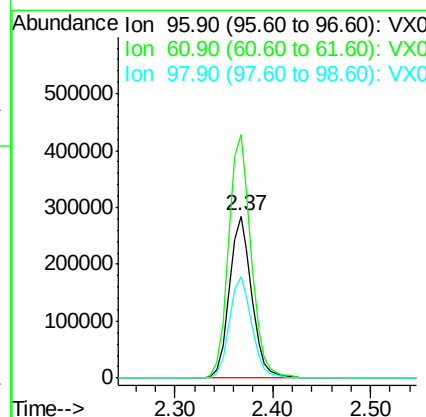
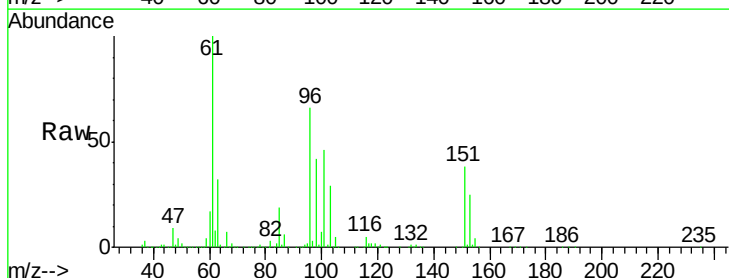
MMDadoda
5/16/2018 11:54:09 AM

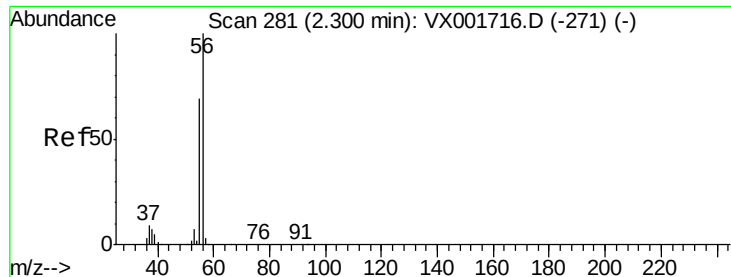


#12

1,1-Dichloroethene
Concen: 127.67 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.5	122.2	183.2
98	63.0	51.4	77.0





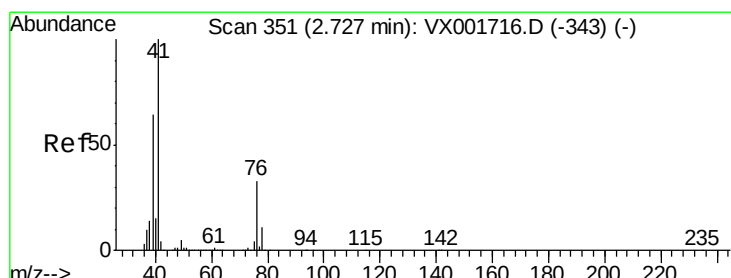
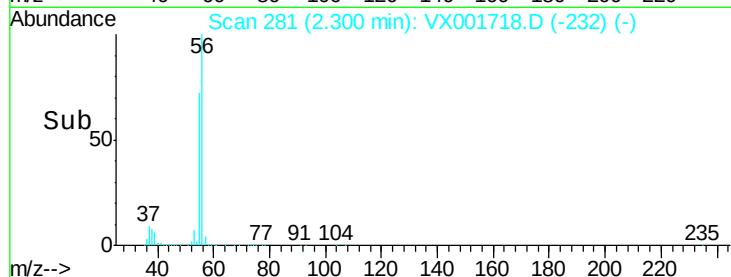
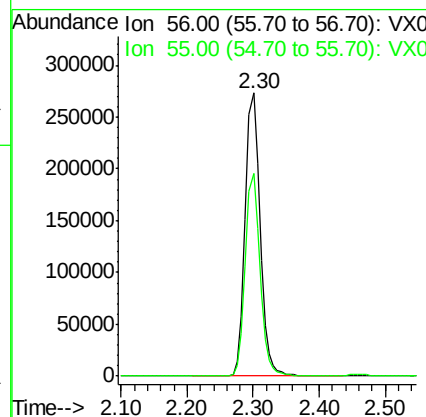
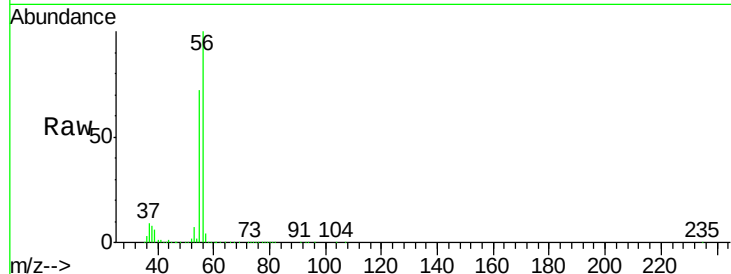
#13
Acrolein
Concen: 1467.50 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.2	84.2

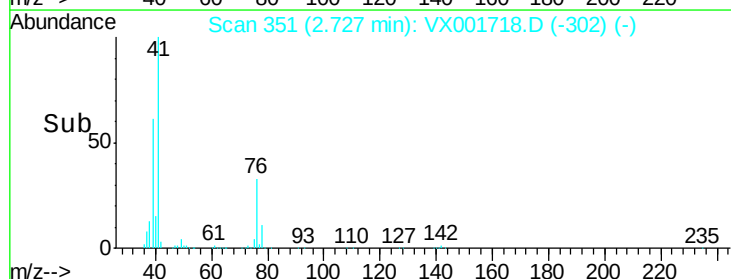
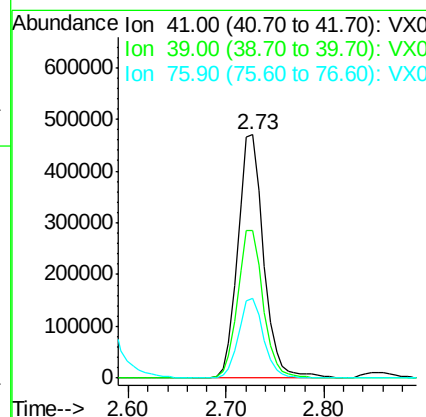
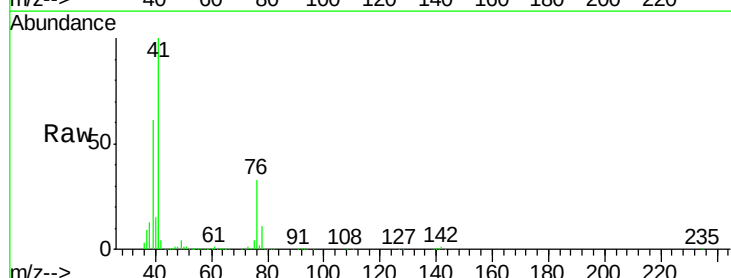
Manual Integrations
APPROVED

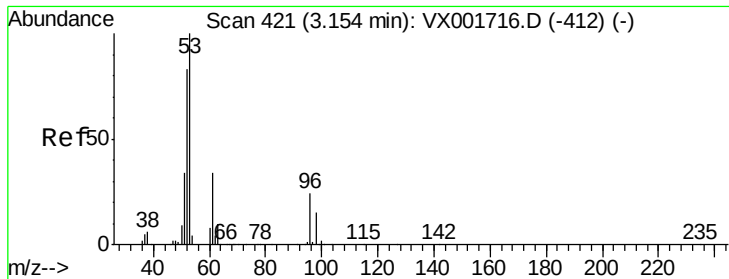
MMDadoda
5/16/2018 11:54:09 AM



#14
Allyl chloride
Concen: 131.76 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.0	49.8	74.6
76	32.1	25.8	38.8





#15

Acrylonitrile

Concen: 670.67 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1454042

Ion Ratio Lower Upper

53 100

52 81.7 65.6 98.4

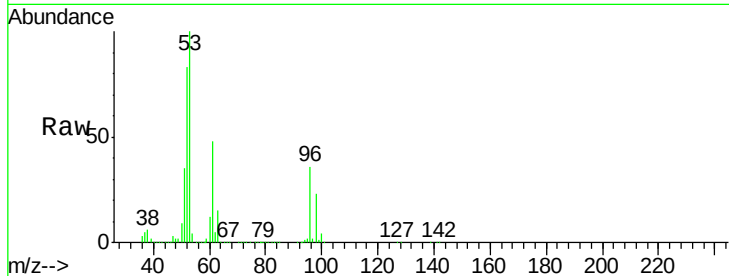
51 35.5 28.1 42.1

Manual Integrations

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MMDadoda

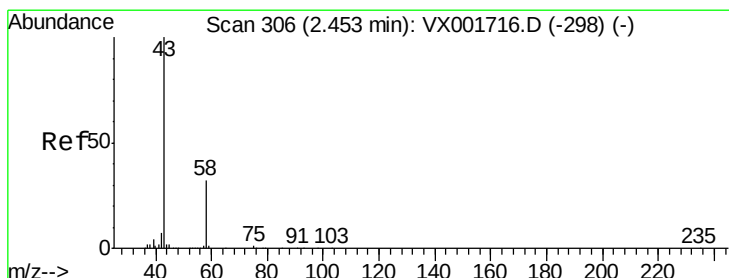
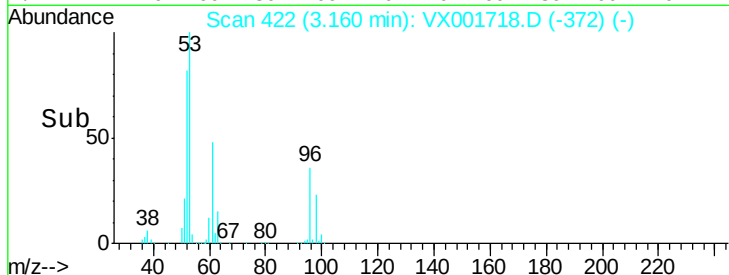
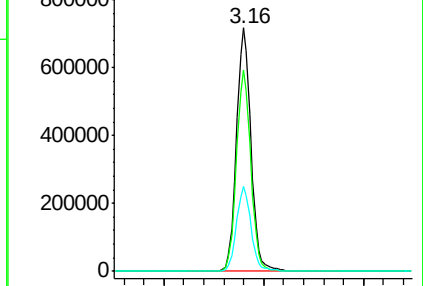
5/16/2018 11:54:09 AM



Abundance Ion 53.00 (52.70 to 53.70): VX001718.D (-412) (-)

Ion 52.00 (51.70 to 52.70): VX001718.D (-412) (-)

Ion 51.00 (50.70 to 51.70): VX001718.D (-412) (-)



#16

Acetone

Concen: 584.63 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX001718.D

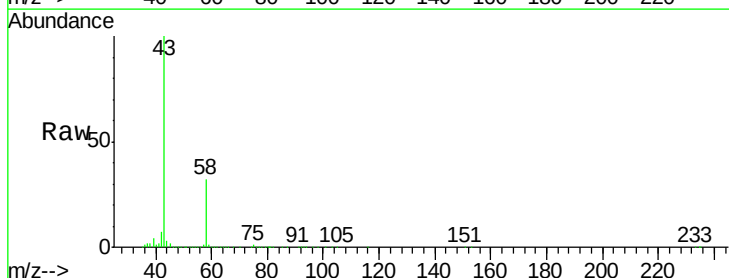
Acq: 14 May 2018 19:10

Tgt Ion: 43 Resp: 1195690

Ion Ratio Lower Upper

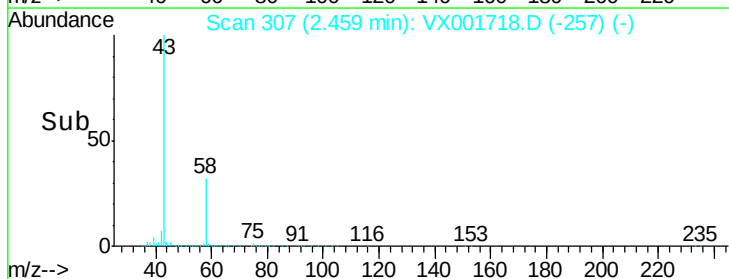
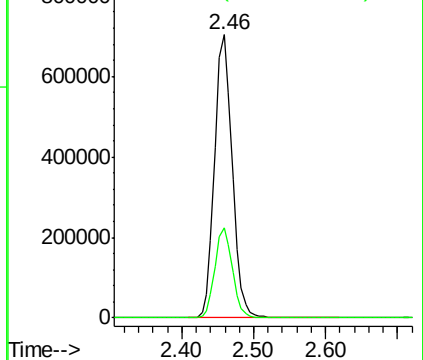
43 100

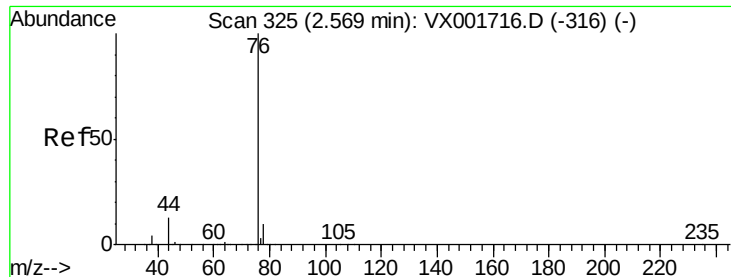
58 31.7 25.3 37.9



Abundance Ion 43.00 (42.70 to 43.70): VX001718.D (-257) (-)

Ion 58.00 (57.70 to 58.70): VX001718.D (-257) (-)





#17

Carbon Disulfide

Concen: 138.78 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1236608

Ion Ratio Lower Upper

76 100

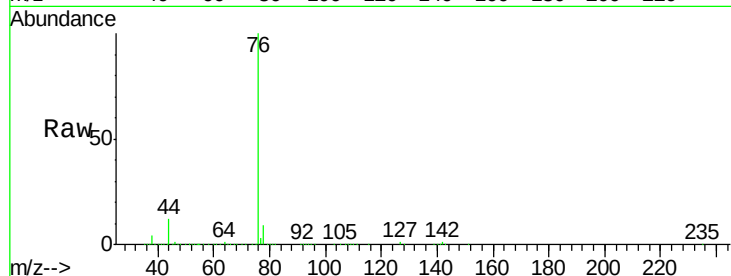
78 9.1 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

800000

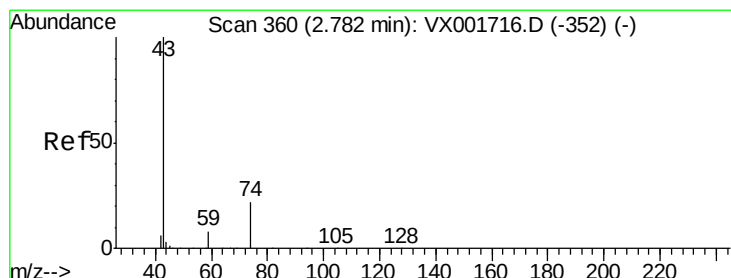
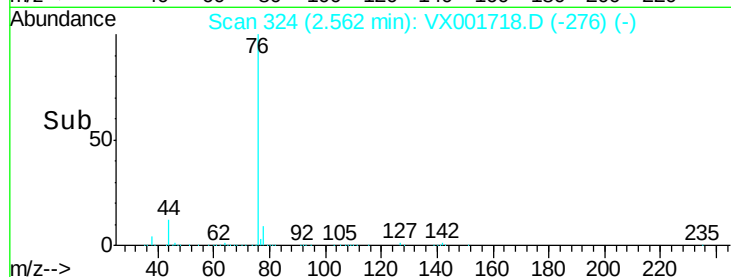
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 136.76 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001718.D

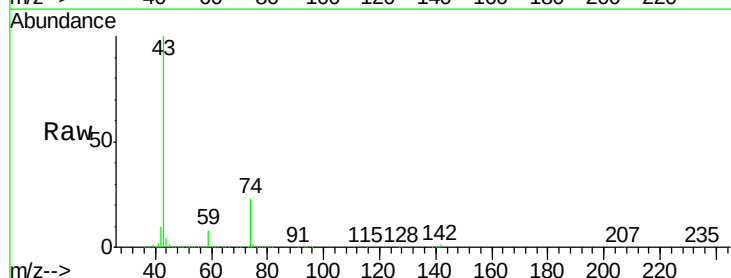
Acq: 14 May 2018 19:10

Tgt Ion: 43 Resp: 750026

Ion Ratio Lower Upper

43 100

74 23.4 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

400000

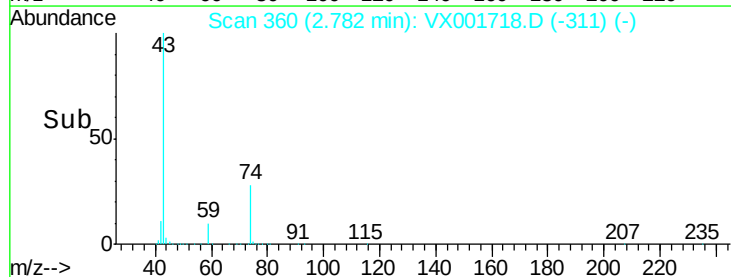
300000

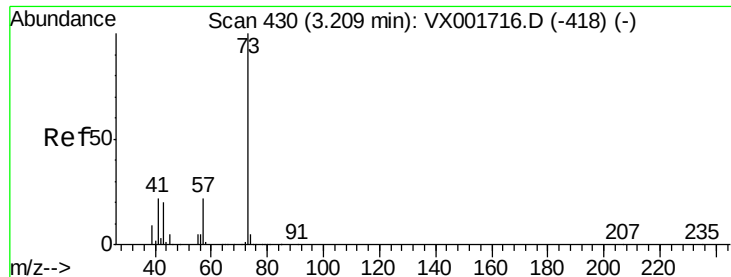
200000

100000

0

Time-->





#19

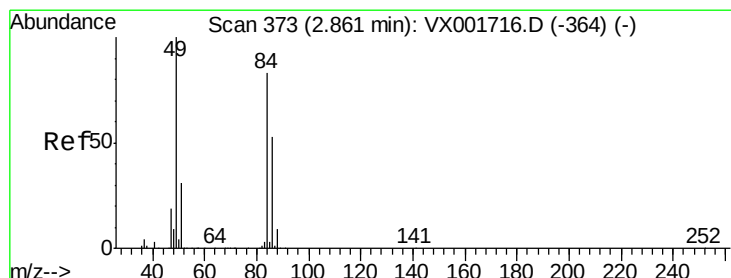
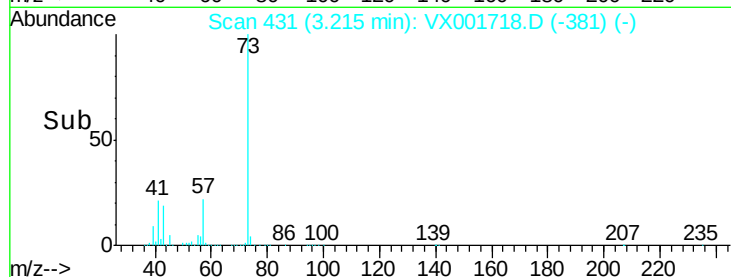
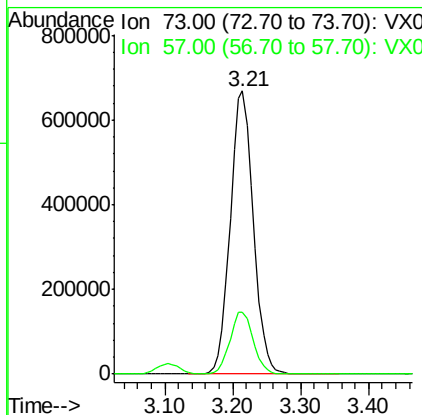
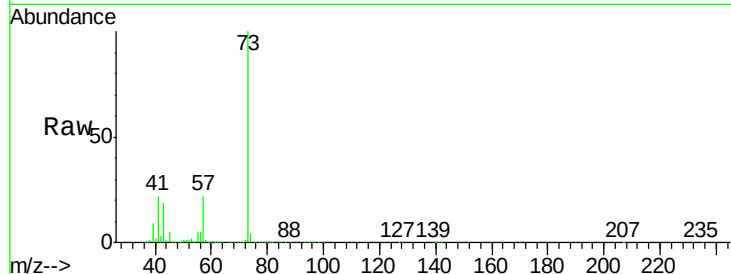
Methyl tert-butyl Ether
 Concen: 128.50 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. 0.01 min
 Lab File: VX001718.D
 Acq: 14 May 2018 19:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	73	Resp	1568392
Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.5	26.3

Manual Integrations
 APPROVED

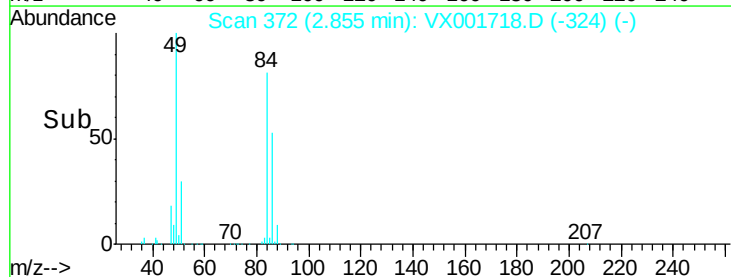
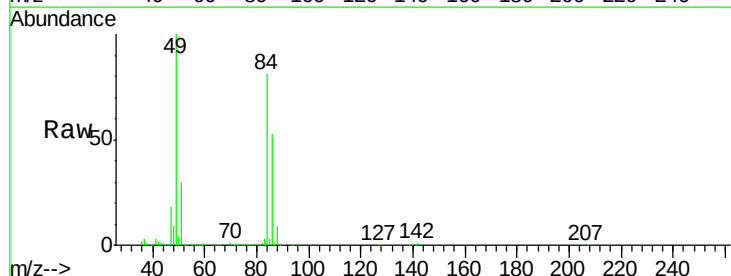
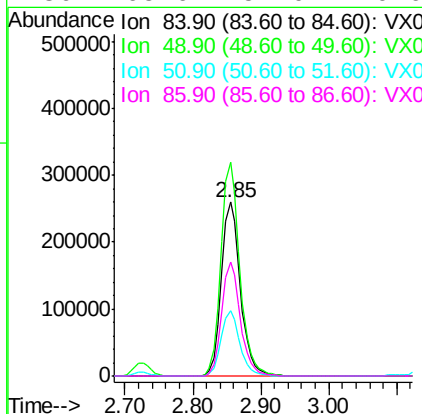
MMDadoda
 5/16/2018 11:54:09 AM

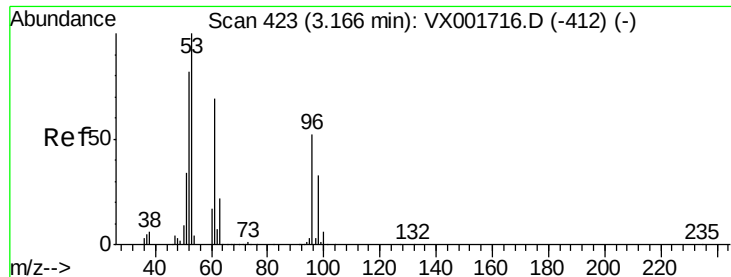


#20

Methylene Chloride
 Concen: 123.55 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX001718.D
 Acq: 14 May 2018 19:10

Tgt Ion	84	Resp	505634
Ion	Ratio	Lower	Upper
84	100		
49	122.8	96.3	144.5
51	37.3	29.8	44.6
86	65.6	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 124.60 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

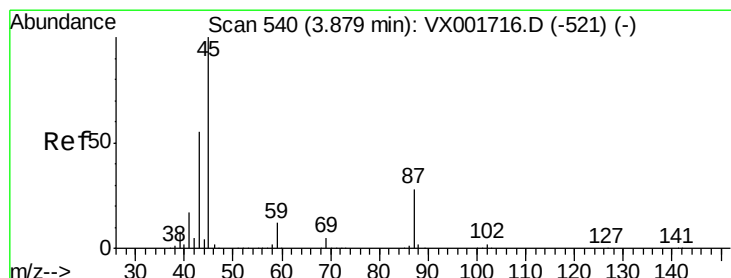
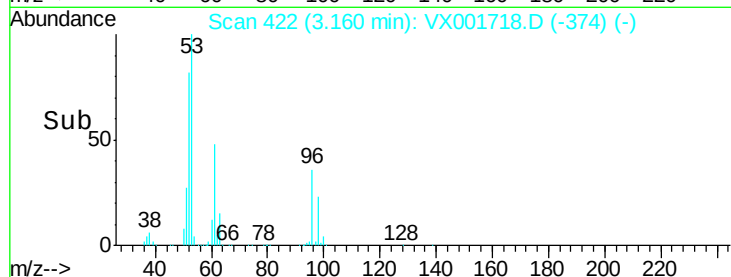
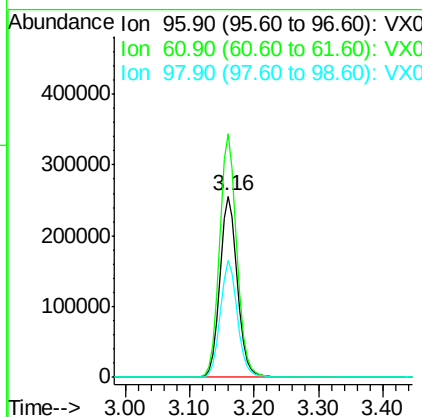
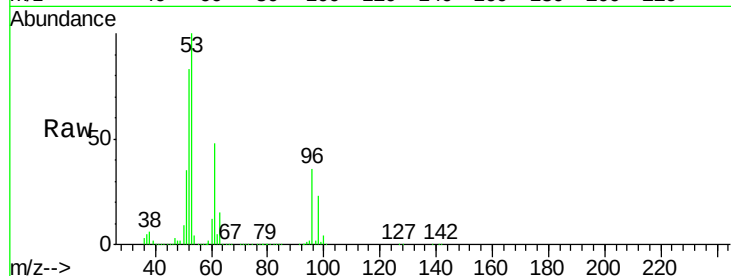
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	488432
Ion	Ratio	Lower	Upper
96	100		
61	134.4	105.8	158.8
98	64.2	50.2	75.4

Manual Integrations
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5/16/2018 11:54:09 AM



#22

Diisopropyl ether

Concen: 136.33 ug/l

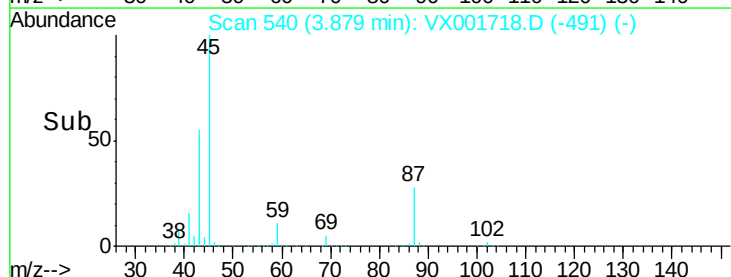
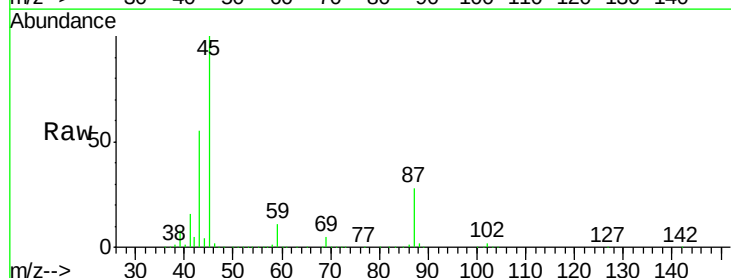
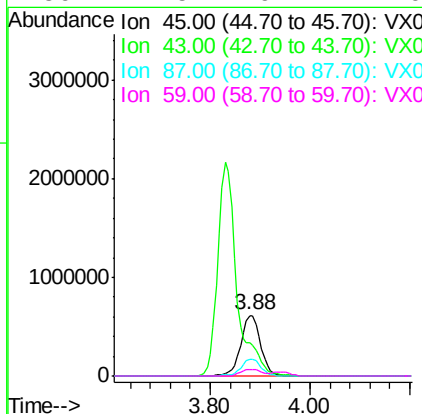
RT: 3.88 min Scan# 540

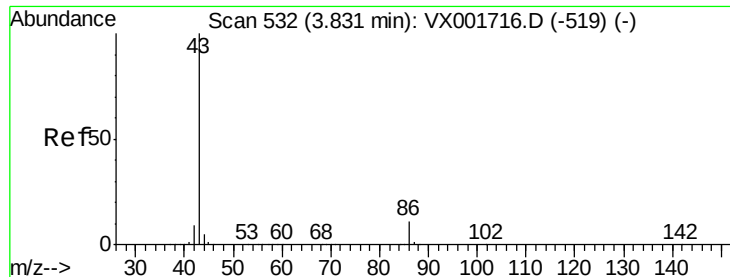
Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Tgt Ion:	45	Resp:	1675714
Ion	Ratio	Lower	Upper
45	100		
43	54.5	44.3	66.5
87	28.3	22.6	33.8
59	11.5	9.4	14.0





#23

Vinyl Acetate

Concen: 582.35 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 5777456

Ion Ratio Lower Upper

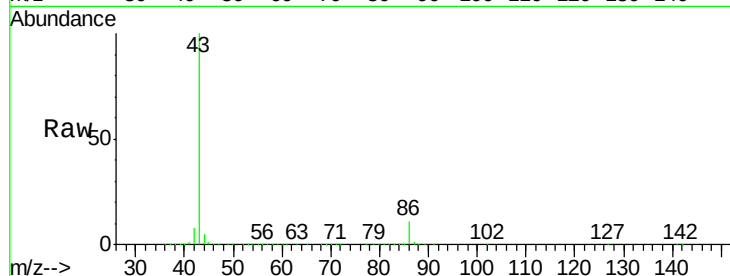
43 100

86 11.1 8.7 13.1

Manual Integrations
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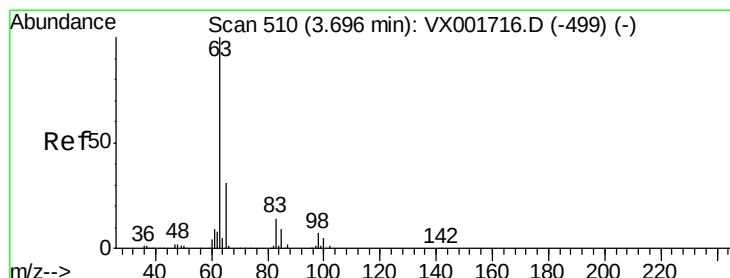
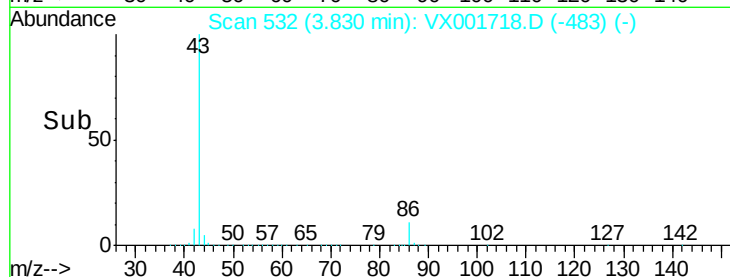
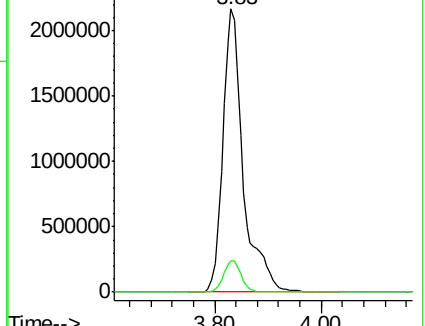
MMDadoda

5/16/2018 11:54:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 129.13 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

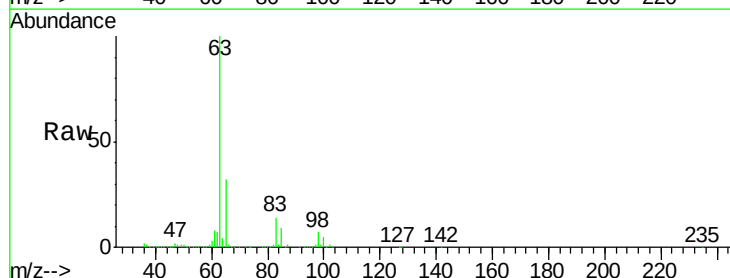
Tgt Ion: 63 Resp: 881465

Ion Ratio Lower Upper

63 100

98 7.4 3.7 11.1

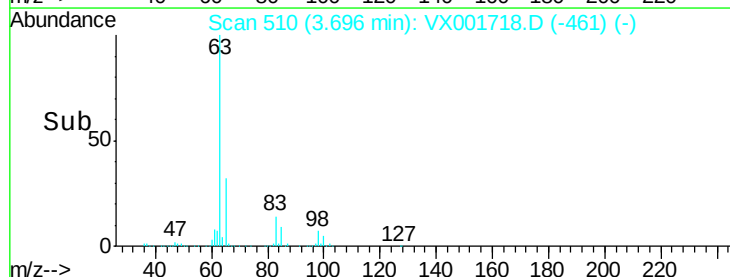
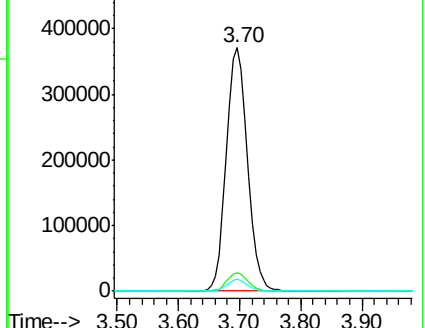
100 4.8 2.4 7.2

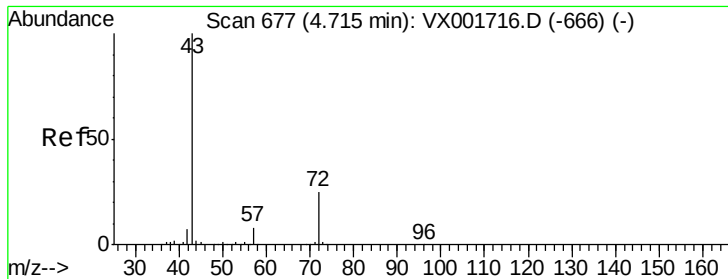


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 676.07 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2020512

Ion Ratio Lower Upper

43 100

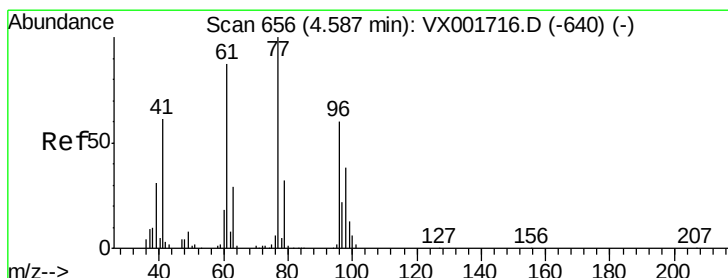
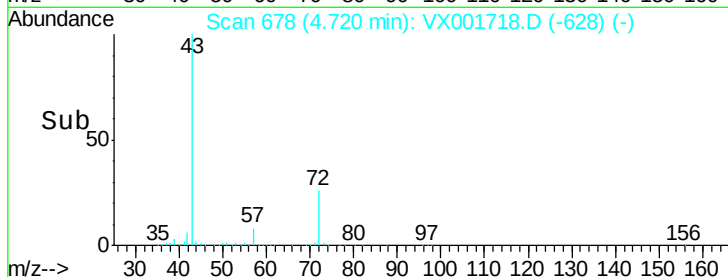
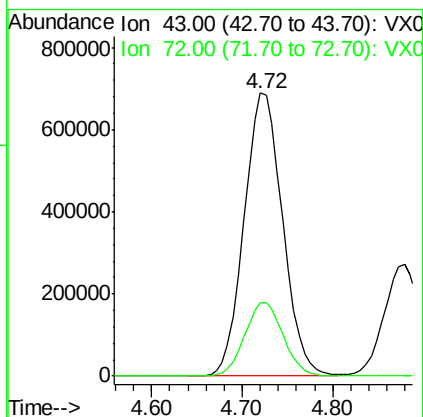
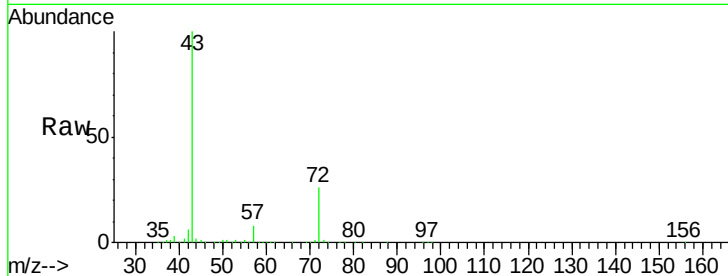
72 25.9 19.8 29.6

Manual Integrations

APPROVED

MMDadoda

5/16/2018 11:54:09 AM



#26

2,2-Dichloropropane

Concen: 137.15 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001718.D

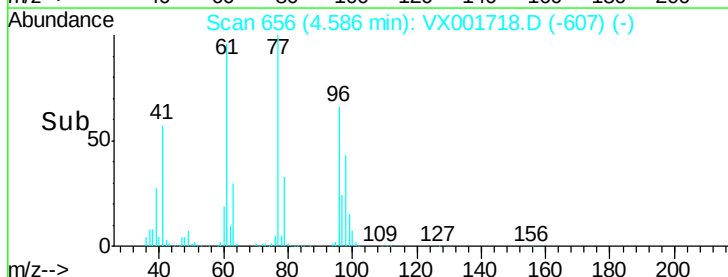
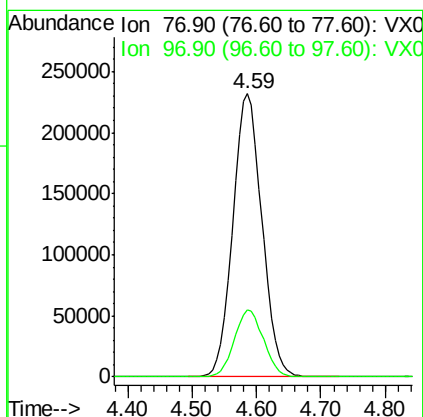
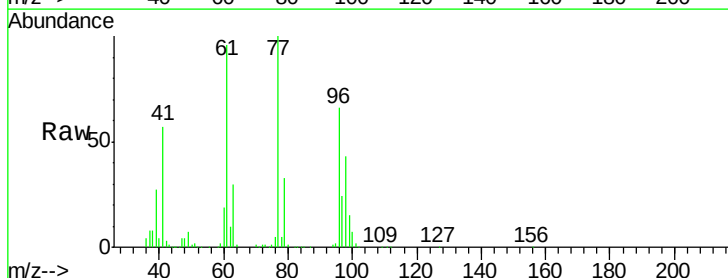
Acq: 14 May 2018 19:10

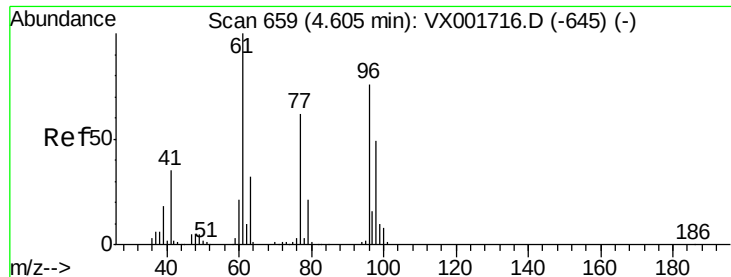
Tgt Ion: 77 Resp: 727074

Ion Ratio Lower Upper

77 100

97 23.7 11.6 34.8





#27

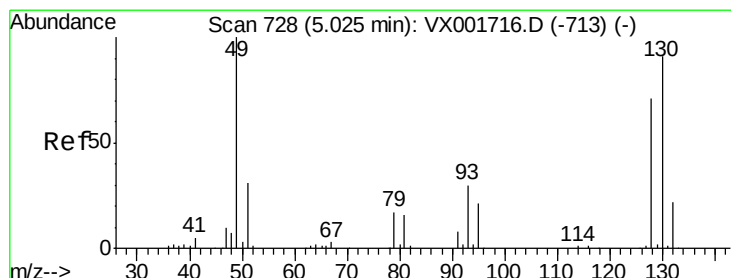
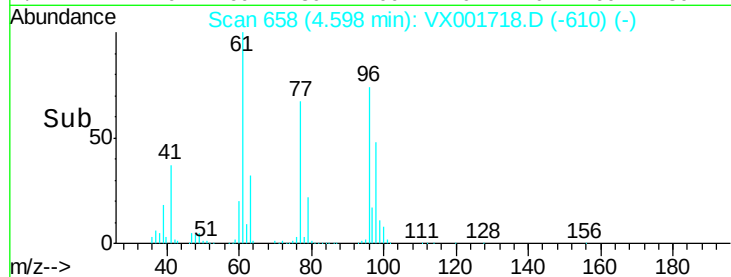
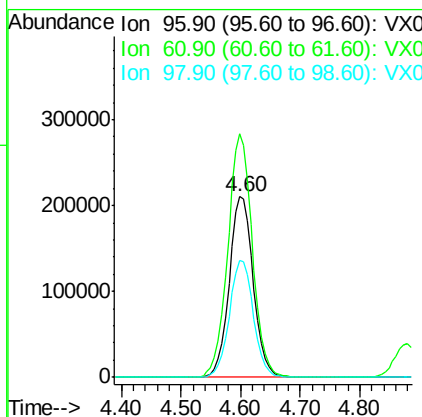
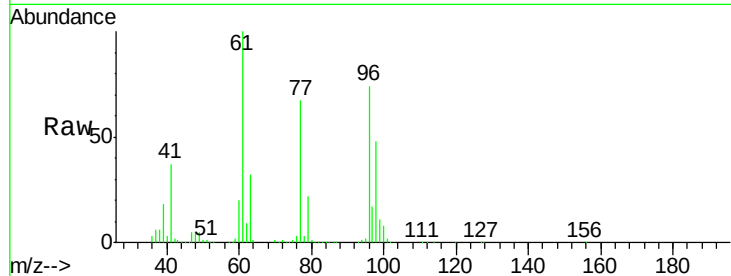
cis-1,2-Dichloroethene
Concen: 138.96 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	586457		
61	138.1		0.0	280.4
98	65.0		0.0	128.4

Manual Integrations
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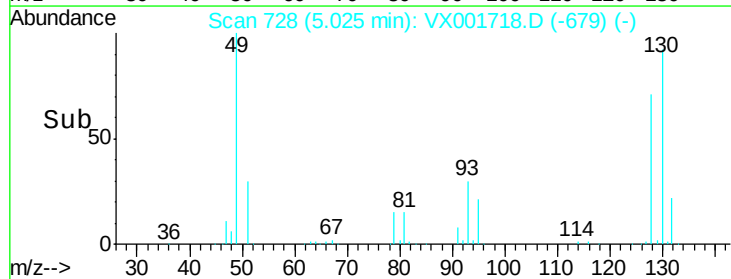
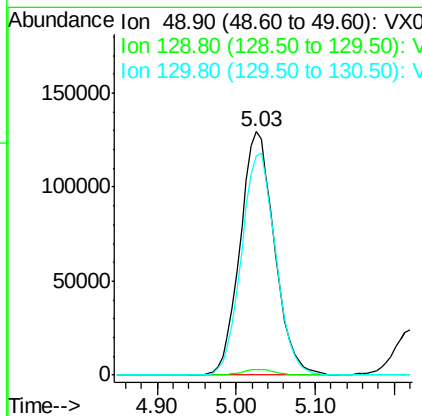
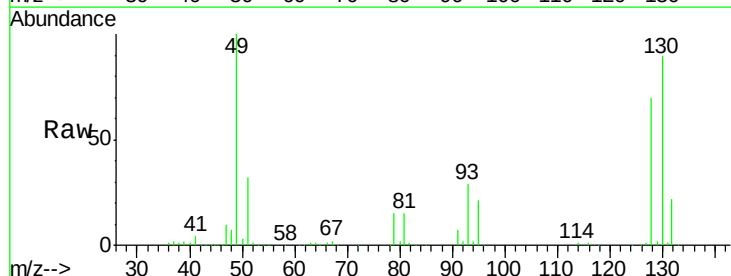
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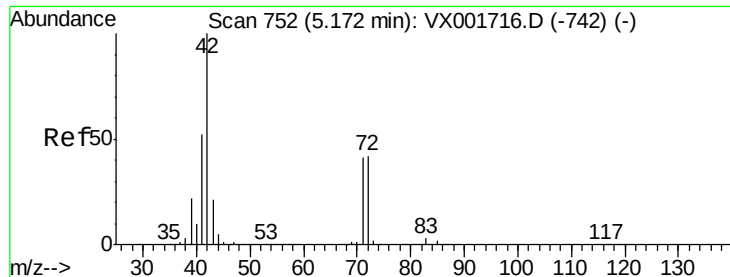


#28

Bromochloromethane
Concen: 130.31 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	391416		
129	2.3		0.0	5.0
130	91.2		71.8	107.6





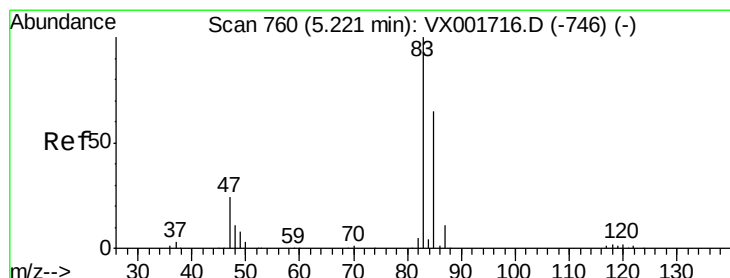
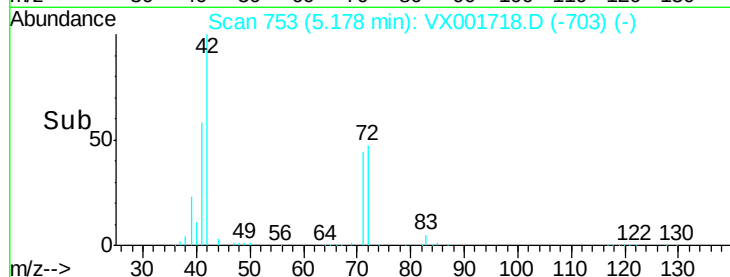
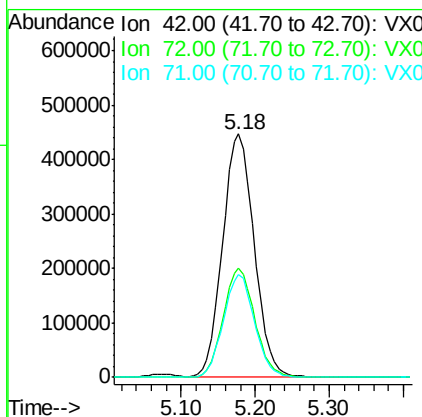
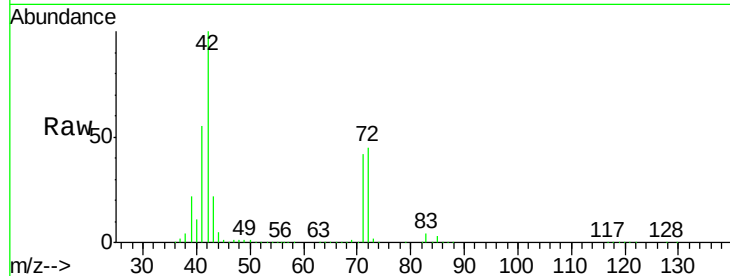
#29
Tetrahydrofuran
Concen: 687.14 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1317736
Ion Ratio Lower Upper
42 100
72 44.9 35.4 53.2
71 41.9 33.2 49.8

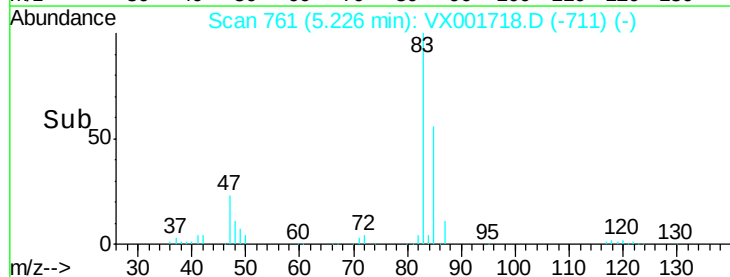
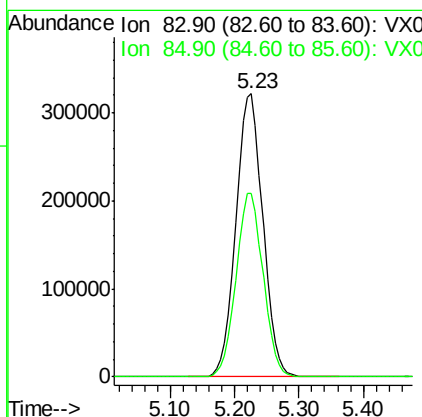
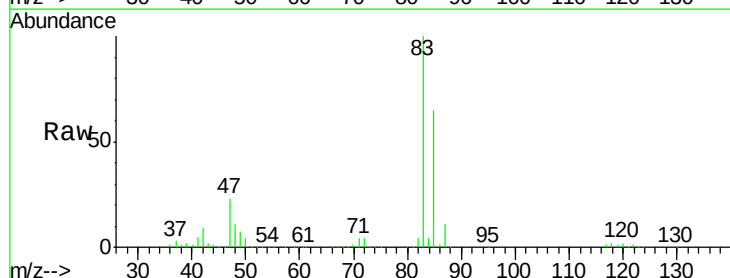
Manual Integrations
APPROVED

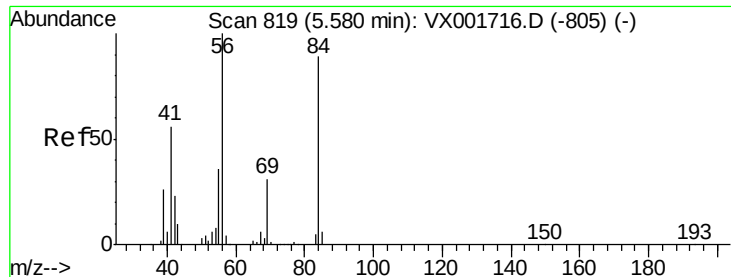
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5/16/2018 11:54:09 AM



#30
Chloroform
Concen: 131.93 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Tgt Ion: 83 Resp: 932493
Ion Ratio Lower Upper
83 100
85 64.9 52.3 78.5





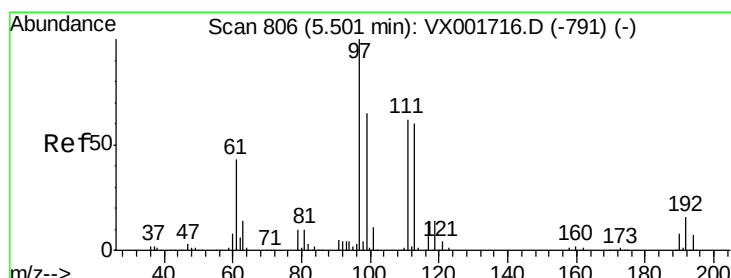
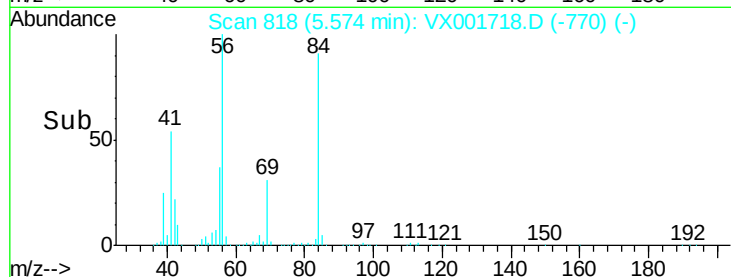
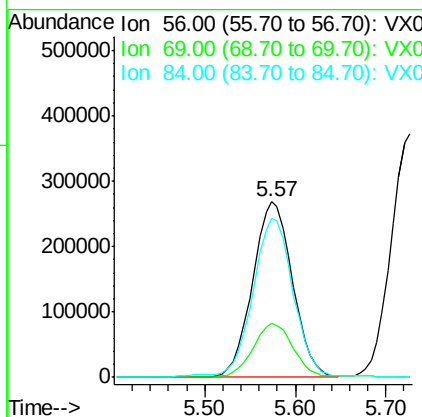
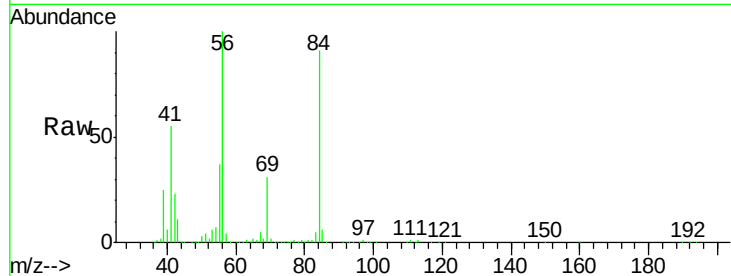
#31
Cyclohexane
Concen: 137.91 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.0	37.6
84	89.6	71.0	106.4

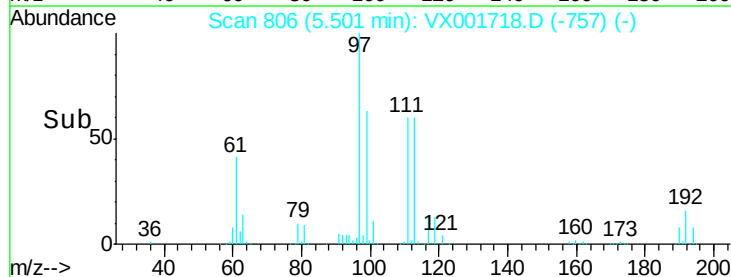
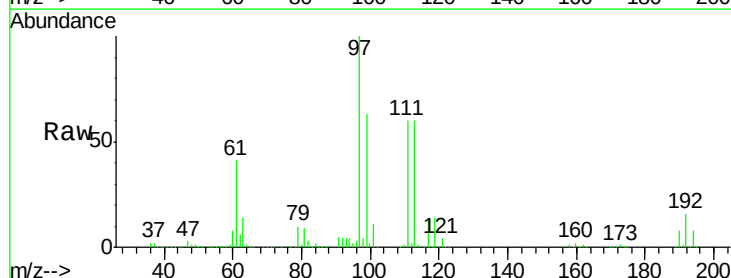
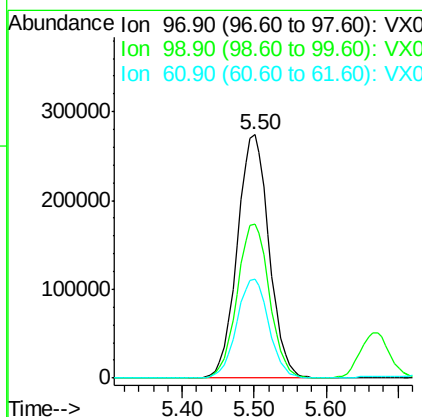
Manual Integrations
APPROVED

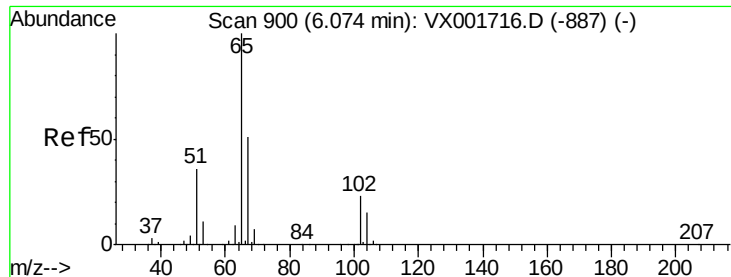
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#32
1,1,1-Trichloroethane
Concen: 135.90 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.3	76.9
61	41.2	34.0	51.0





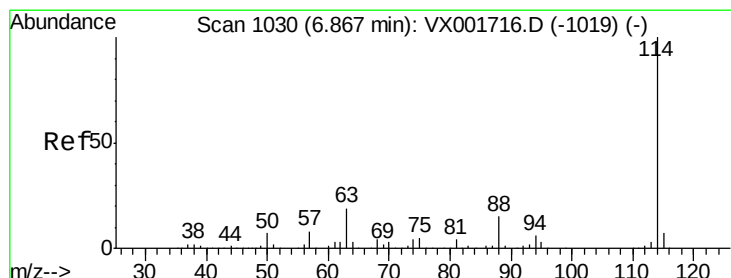
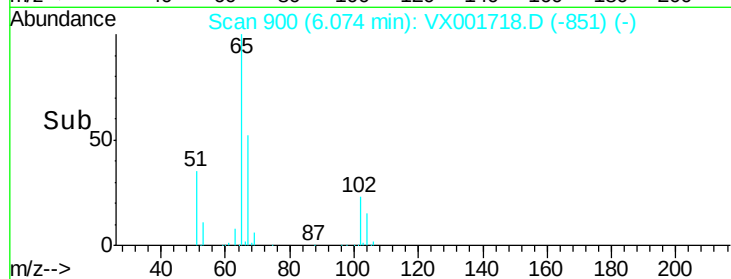
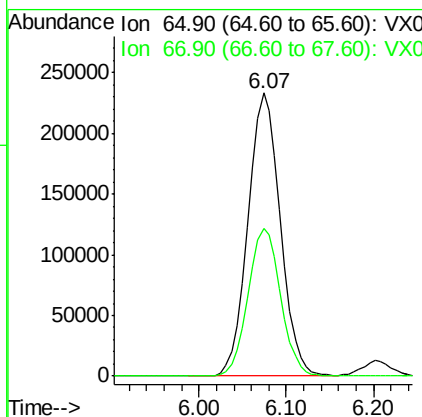
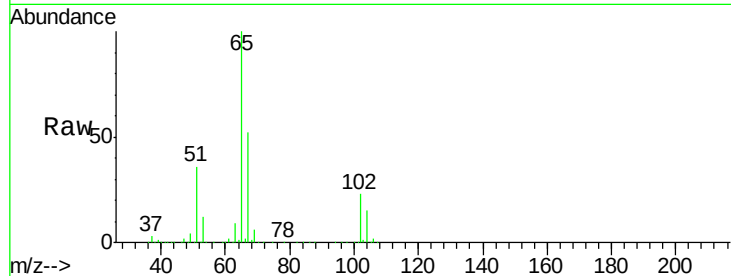
#33
 1,2-Dichloroethane-d4
 Concen: 130.97 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001718.D
 Acq: 14 May 2018 19:10

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	598393		
67	52.5	0.0	102.8	

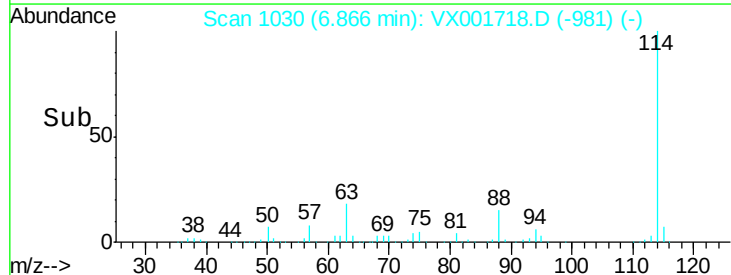
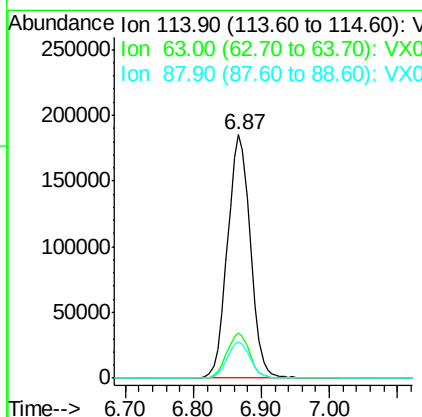
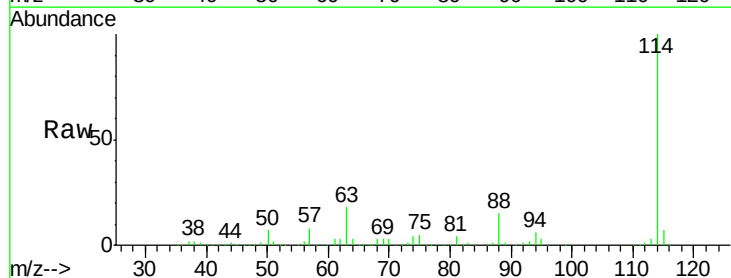
Manual Integrations
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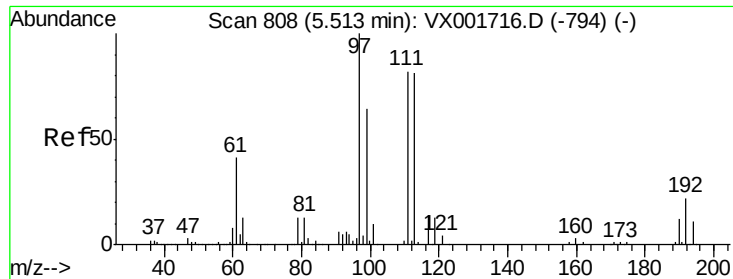
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001718.D
 Acq: 14 May 2018 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	430731		
63	18.4	0.0	37.0	
88	14.7	0.0	29.8	





#35

Dibromofluoromethane

Concen: 137.05 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

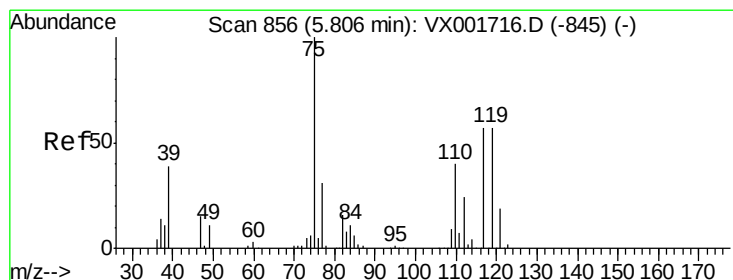
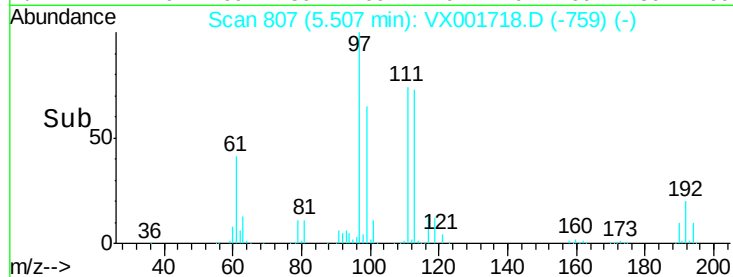
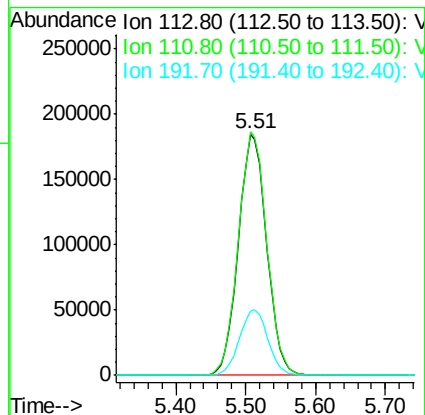
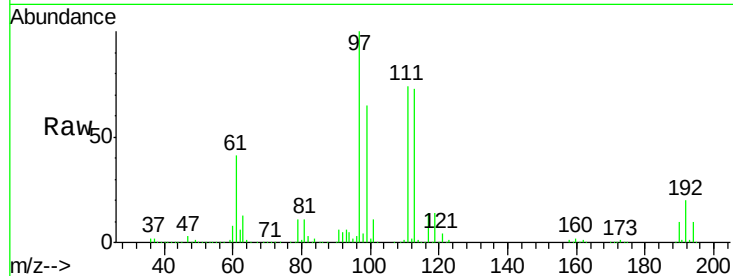
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	518871
Ion Ratio	Lower	Upper	
113	100		
111	101.4	82.0	123.0
192	27.5	21.6	32.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 130.94 ug/l

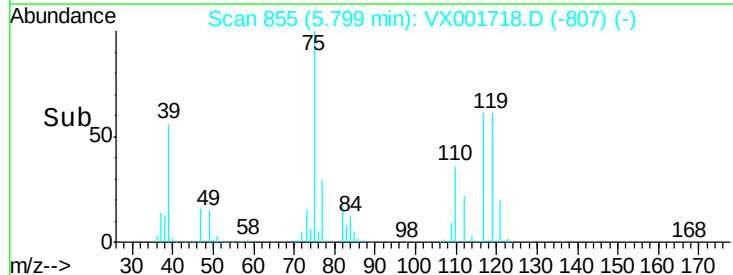
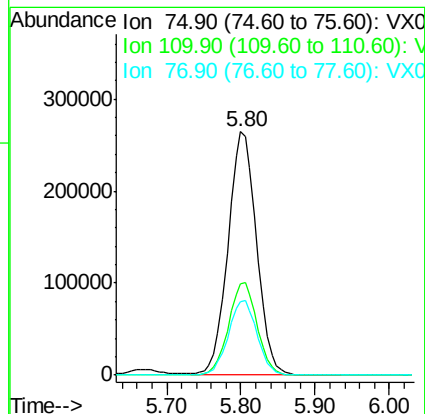
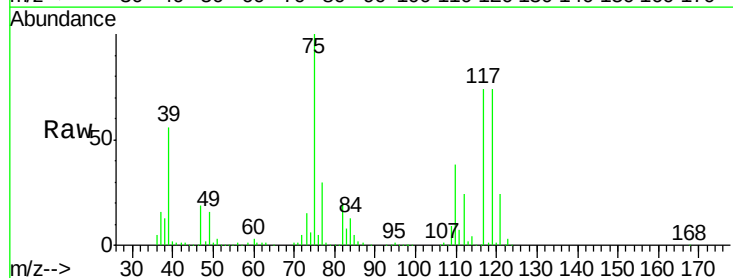
RT: 5.80 min Scan# 855

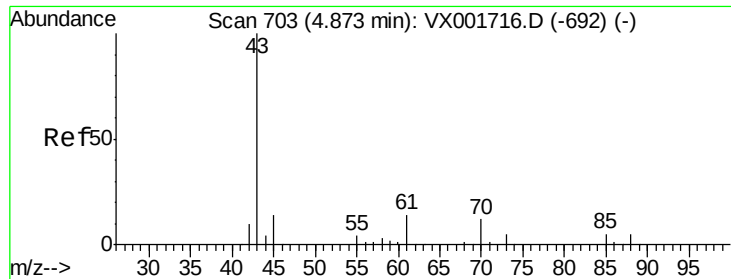
Delta R.T. -0.01 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Tgt Ion:	75	Resp:	706925
Ion Ratio	Lower	Upper	
75	100		
110	38.0	19.1	57.1
77	30.8	24.6	37.0





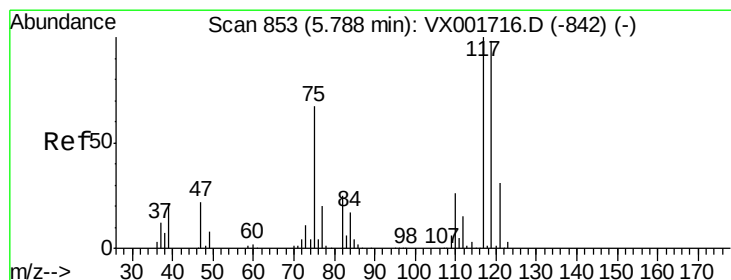
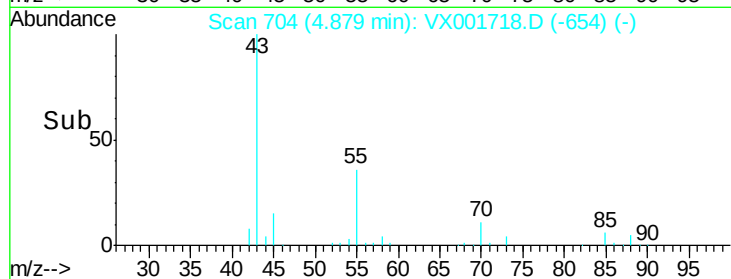
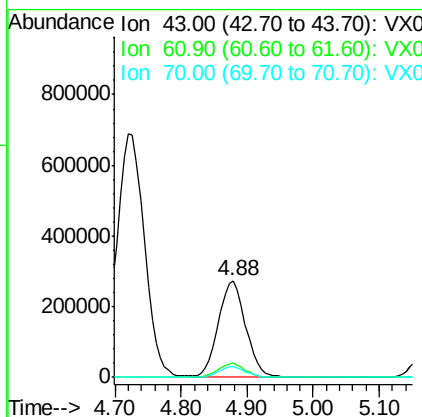
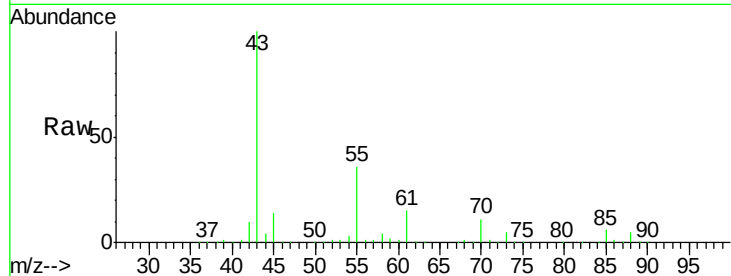
#37
Ethyl Acetate
Concen: 133.67 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	43	Resp	785265
Ion Ratio	100	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	10.8	8.8	13.2

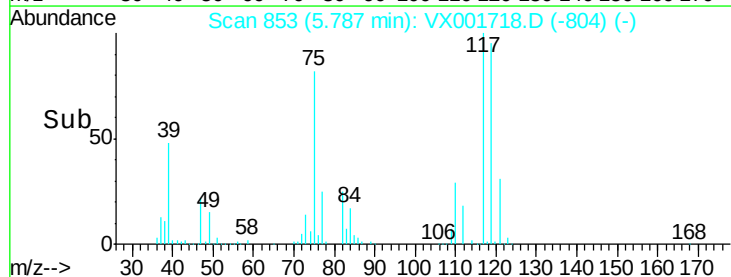
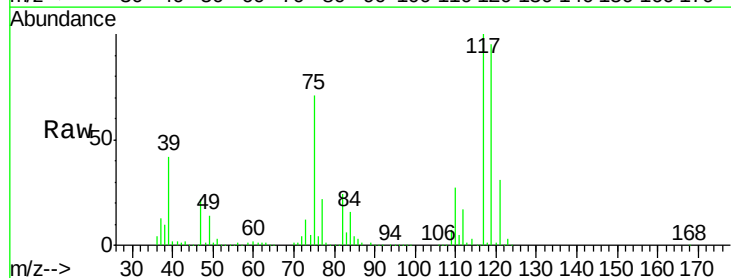
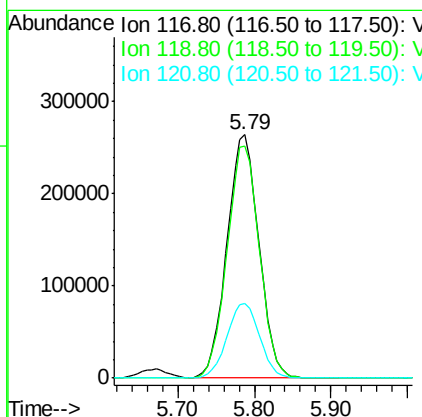
Manual Integrations
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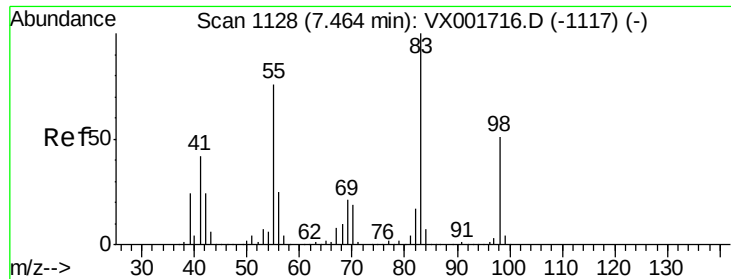
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#38
Carbon Tetrachloride
Concen: 133.23 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Tgt Ion	117	Resp	762298
Ion Ratio	100	Lower	Upper
117	100		
119	95.4	77.6	116.4
121	30.8	24.6	36.8





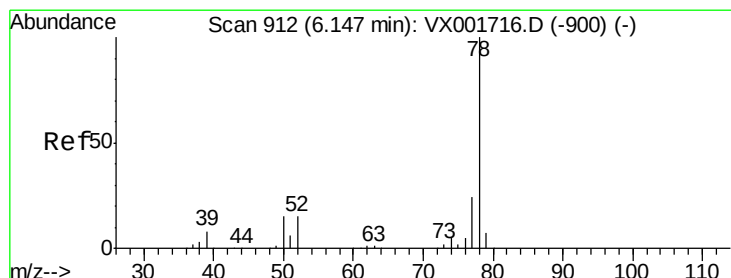
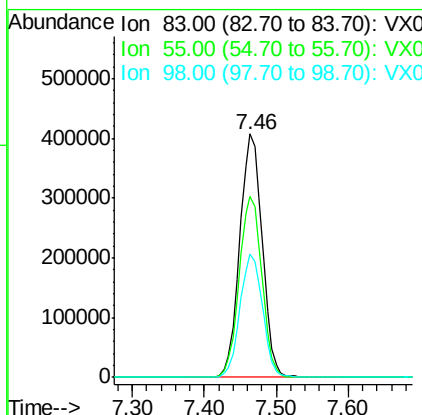
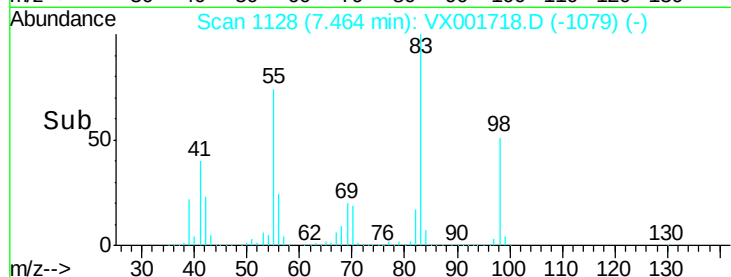
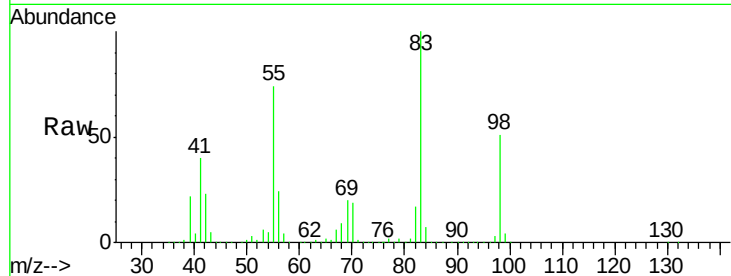
#39
Methylvlcyclohexane
Concen: 137.94 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	880480		
55	74.1		60.6	90.8
98	50.9		40.4	60.6

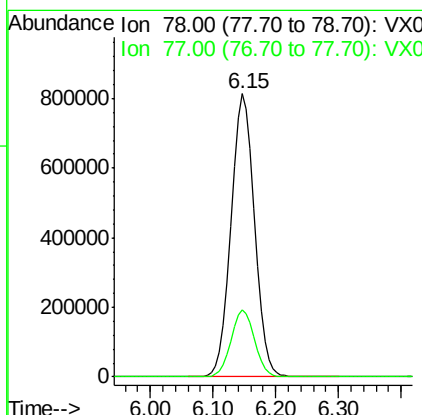
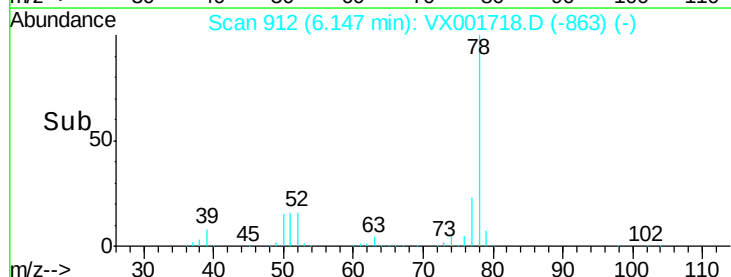
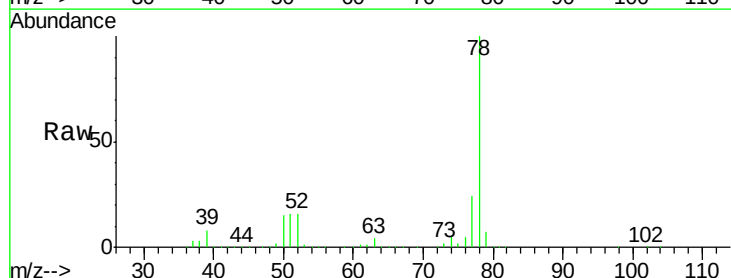
Manual Integrations
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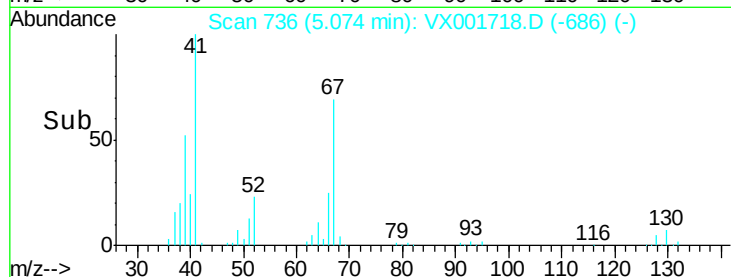
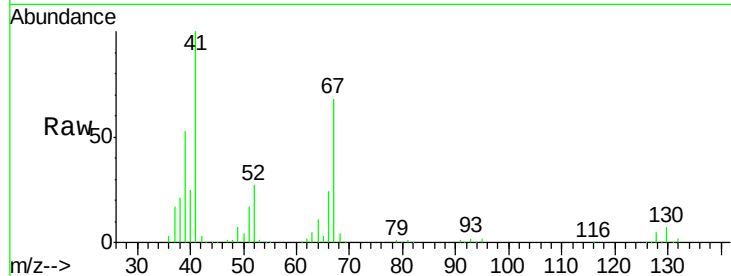
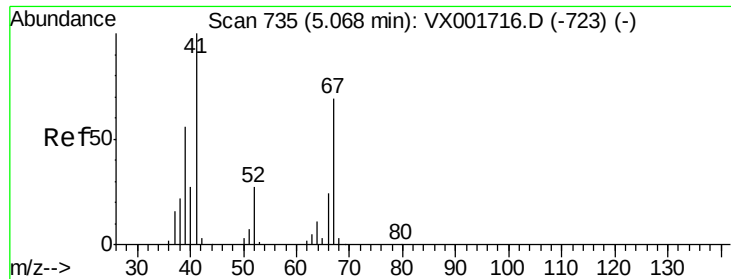
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#40
Benzene
Concen: 133.65 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	2107160		
77	23.7		19.0	28.4





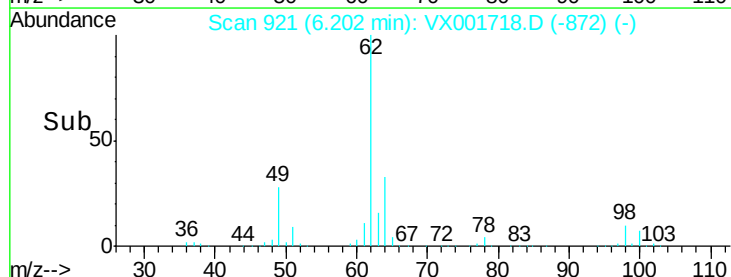
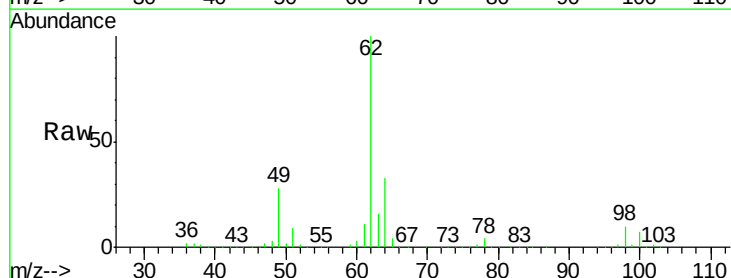
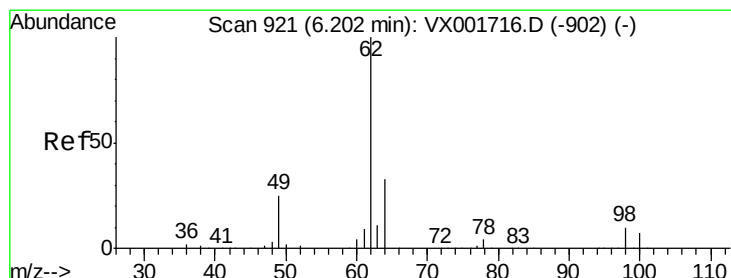
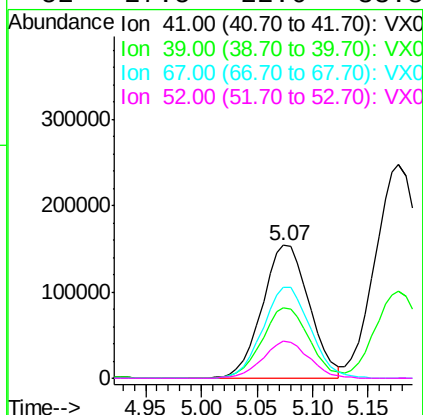
#41
Methacrylonitrile
Concen: 133.80 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	53.8	44.2	66.4		
67	69.5	56.0	84.0		
52	27.5	22.6	33.8		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

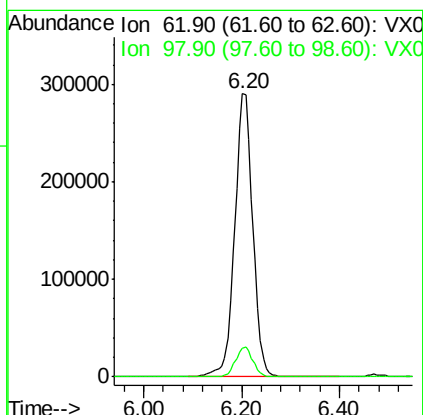
Manual Integrations
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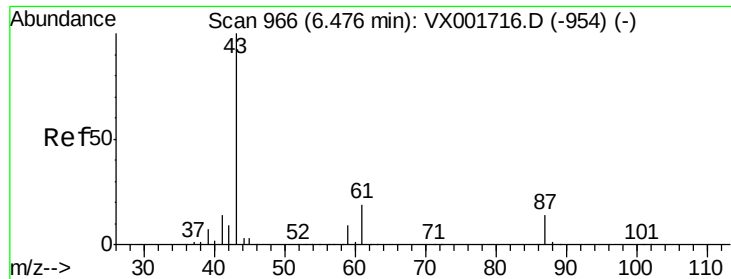
MMDadoda
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#42
1,2-Dichloroethane
Concen: 123.75 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.2	0.0	20.0		





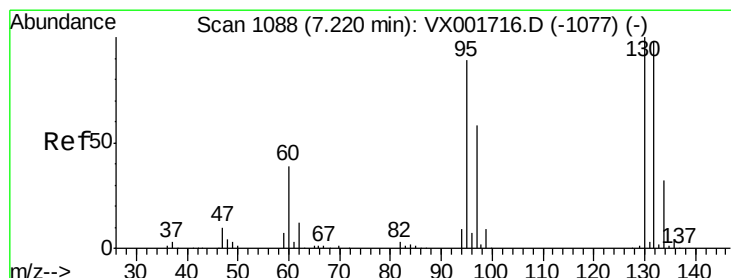
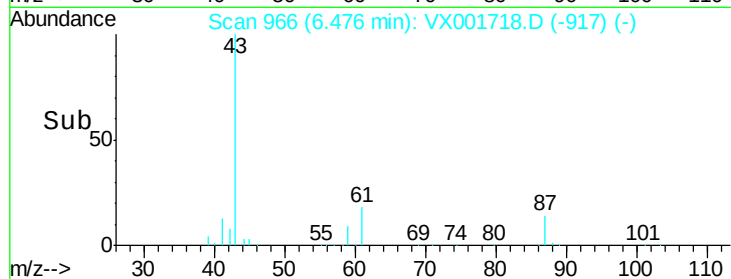
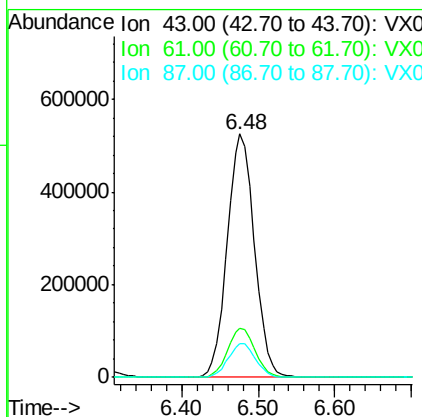
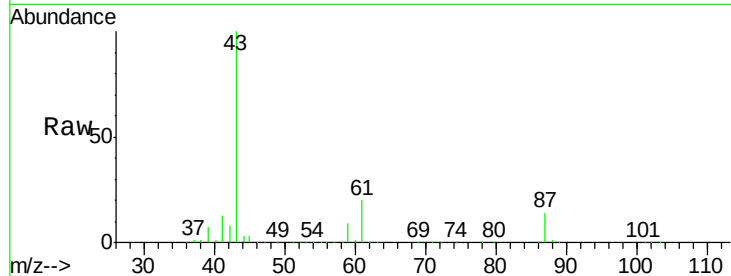
#43
Isopropyl Acetate
Concen: 142.67 ug/l
RT: 6.48 min Scan# 966
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	15.8	23.8
87	14.1	11.0	16.4

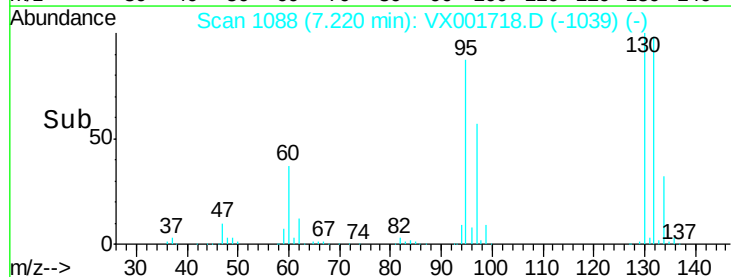
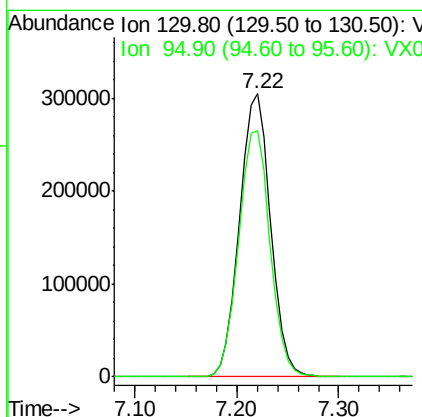
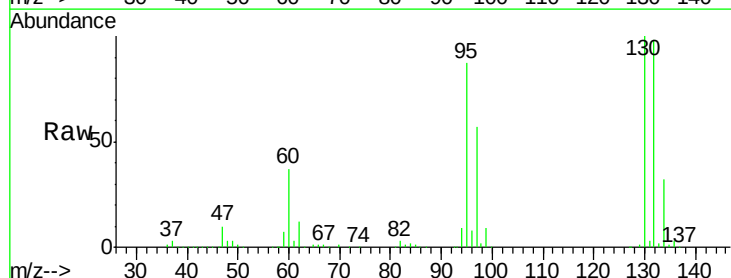
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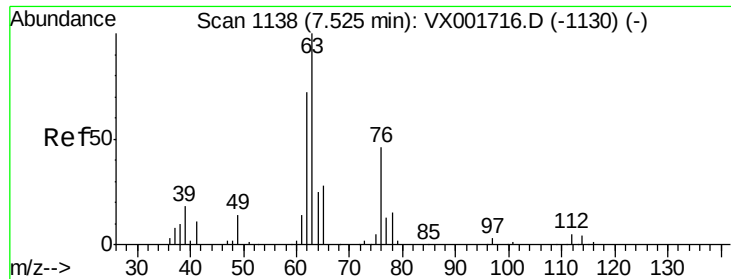
MMDadoda
5/16/2018 11:54:09 AM



#44
Trichloroethene
Concen: 133.24 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.9	0.0	177.2





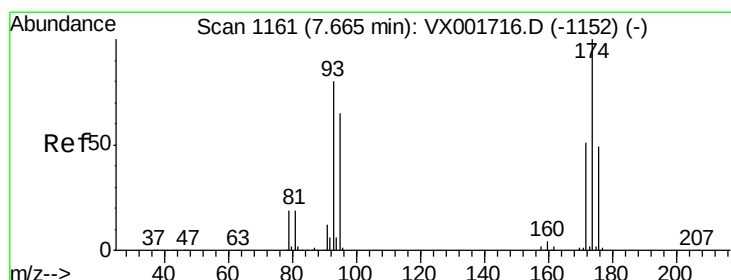
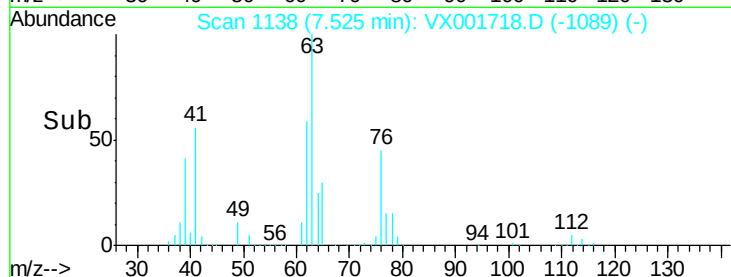
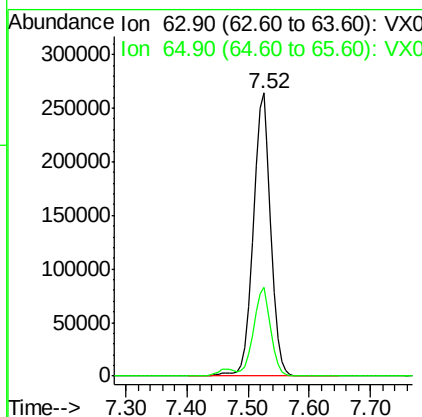
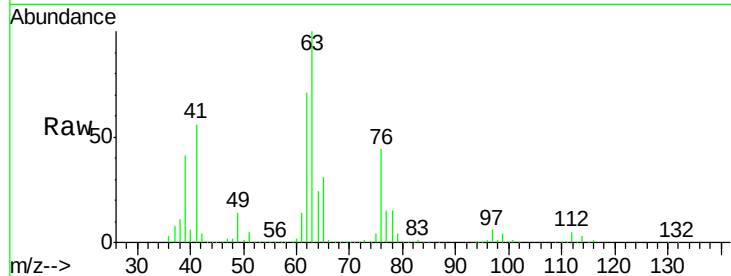
#45
 1,2-Dichloropropane
 Concen: 135.80 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX001718.D
 Acq: 14 May 2018 19:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.2	36.2

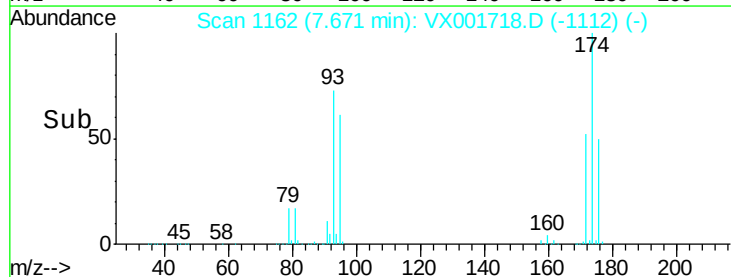
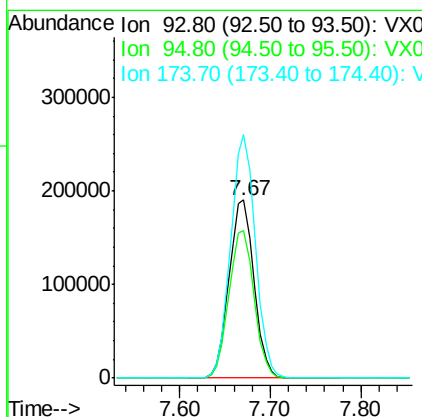
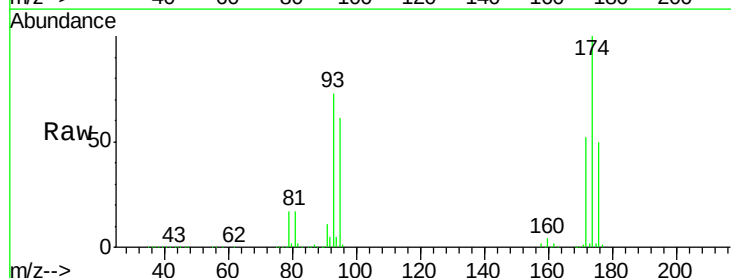
Manual Integrations
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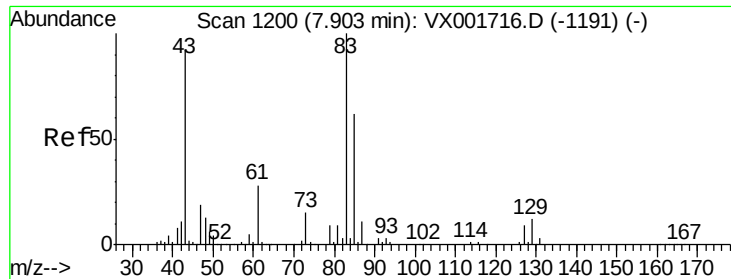
MMDadoda
 5/16/2018 11:54:09 AM



#46
 Dibromomethane
 Concen: 131.35 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VX001718.D
 Acq: 14 May 2018 19:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.9	98.9
174	135.4	106.2	159.2





#47

Bromodichloromethane

Concen: 142.15 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

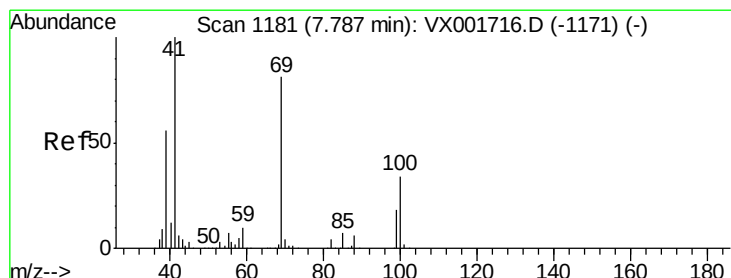
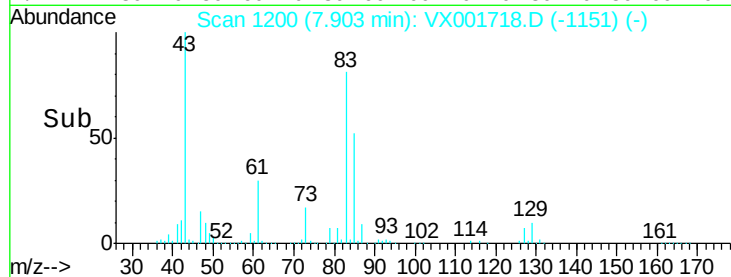
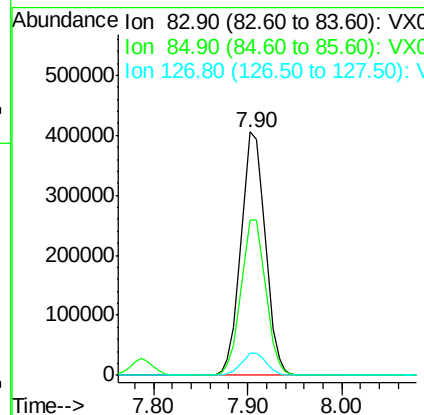
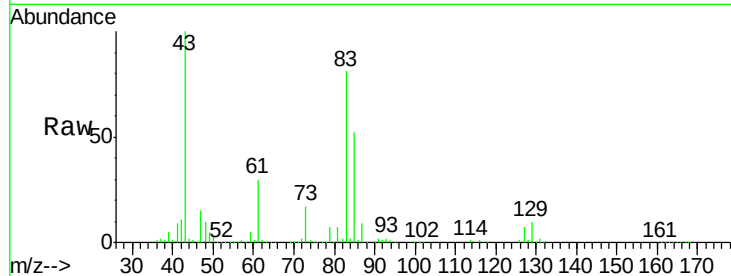
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	729035
Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.6	74.4
127	8.9	7.5	11.3

Manual Integrations
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MMDadoda
5/16/2018 11:54:09 AM



#48

Methyl methacrylate

Concen: 139.36 ug/l

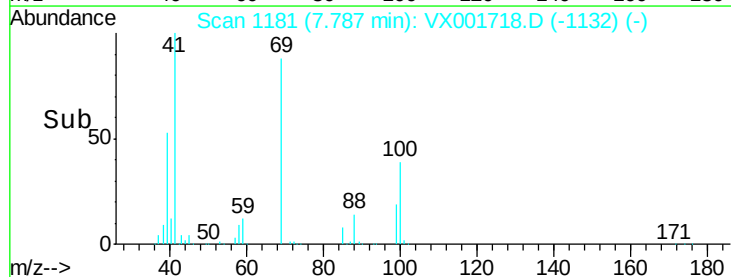
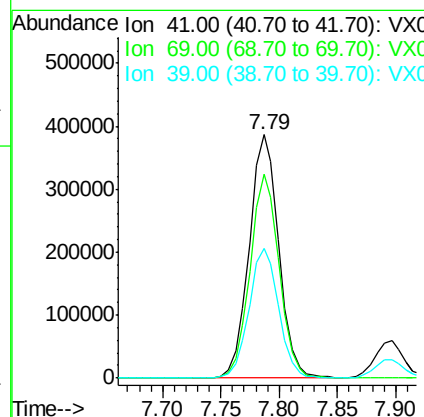
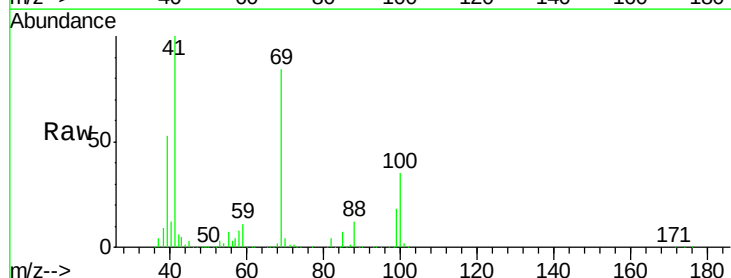
RT: 7.79 min Scan# 1181

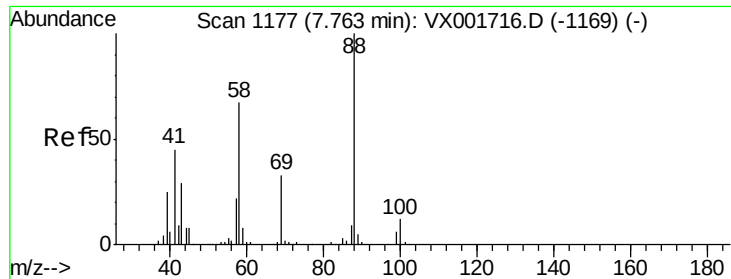
Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Tgt Ion:	41	Resp:	682720
Ion	Ratio	Lower	Upper
41	100		
69	82.8	65.2	97.8
39	53.6	44.5	66.7





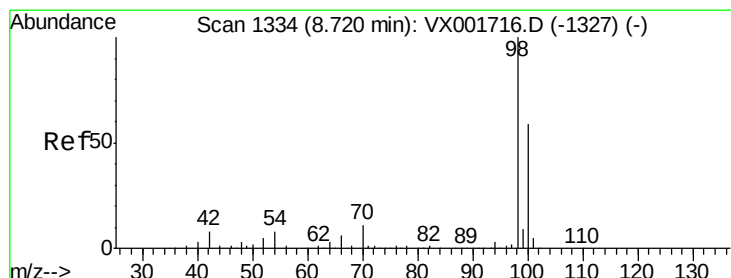
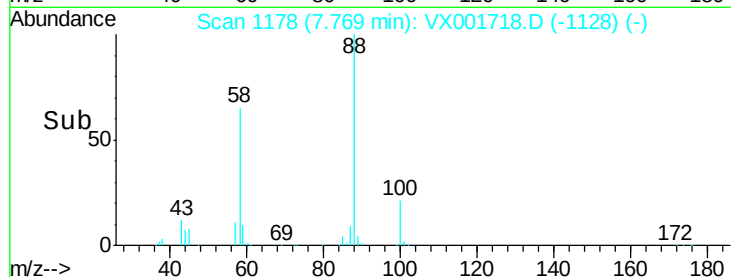
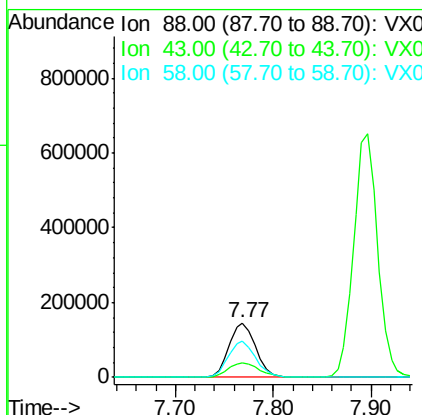
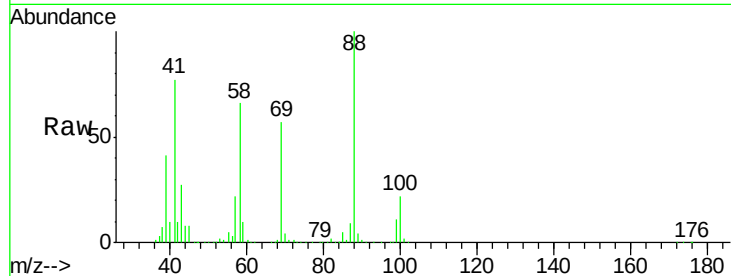
#49
1,4-Dioxane
Concen: 2654.56 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	274992
Ion Ratio	100	Lower	Upper
88	100		
43	31.4	27.3	40.9
58	67.7	55.9	83.9

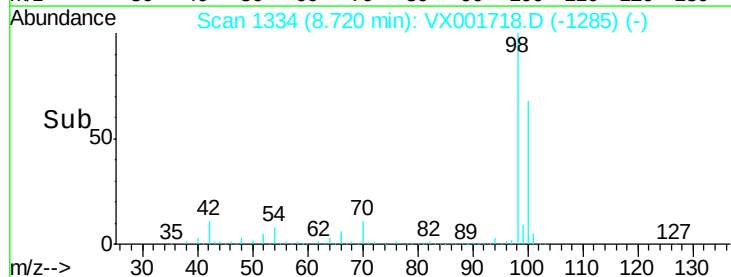
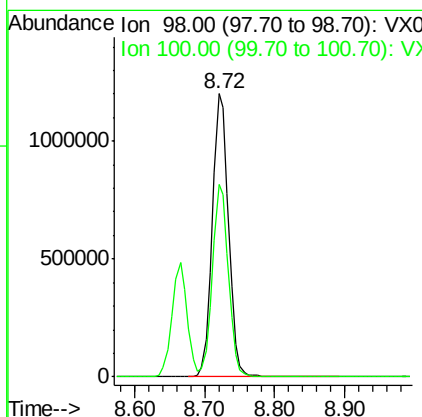
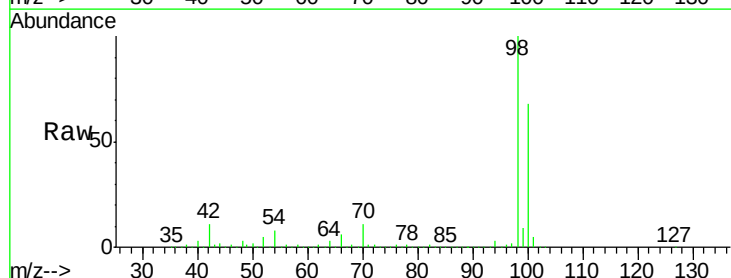
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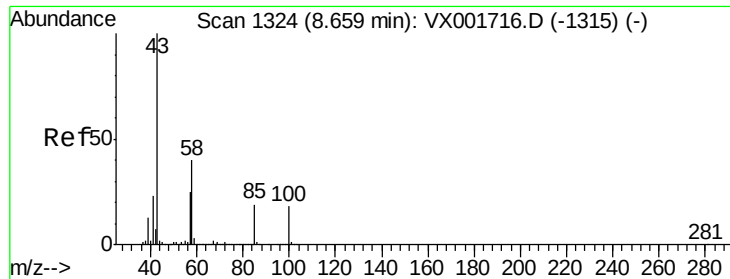
MMDadoda
5/16/2018 11:54:09 AM



#50
Toluene-d8
Concen: 138.86 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Tgt Ion	98	Resp	1923621
Ion Ratio	100	Lower	Upper
98	100		
100	67.4	54.0	81.0





#51

4-Methyl-2-Pentanone

Concen: 685.35 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 4098317

Ion Ratio Lower Upper

43 100

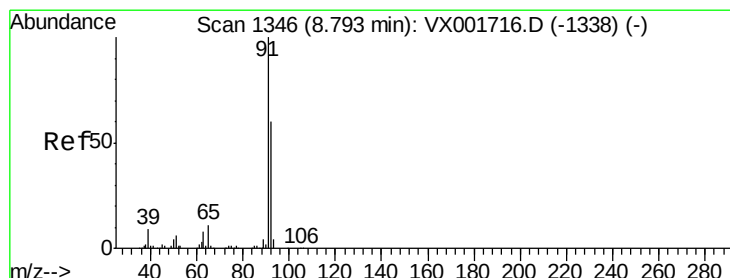
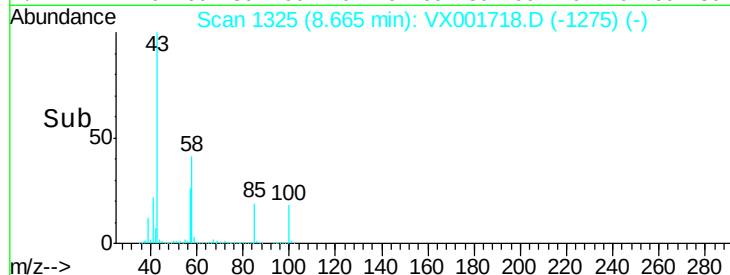
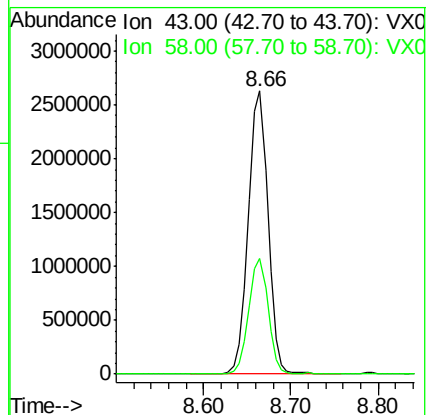
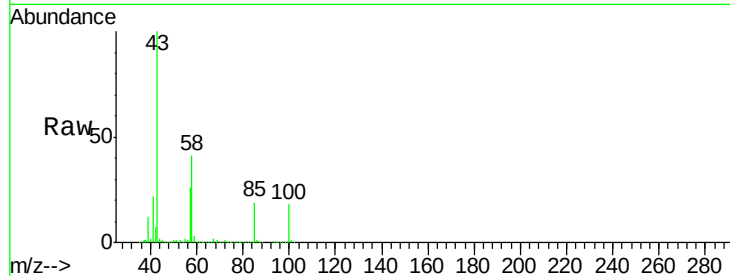
58 40.5 31.4 47.0

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#52

Toluene

Concen: 132.57 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001718.D

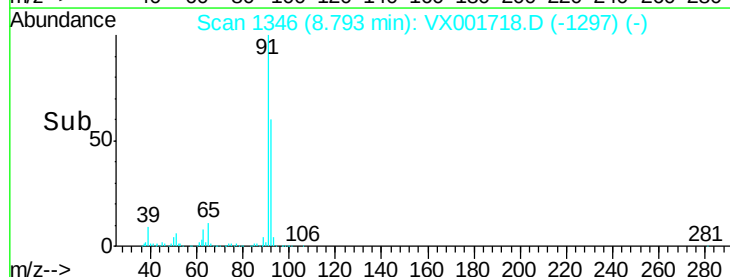
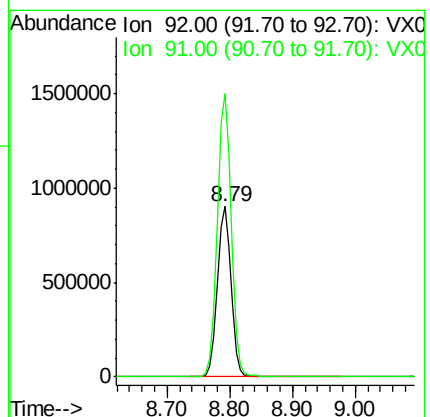
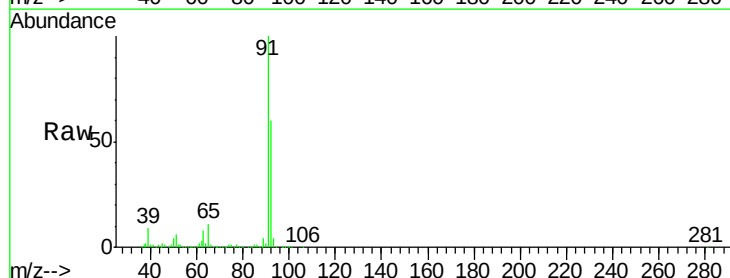
Acq: 14 May 2018 19:10

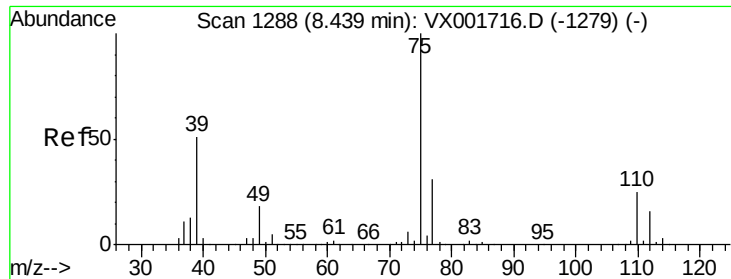
Tgt Ion: 92 Resp: 1366106

Ion Ratio Lower Upper

92 100

91 168.3 135.5 203.3





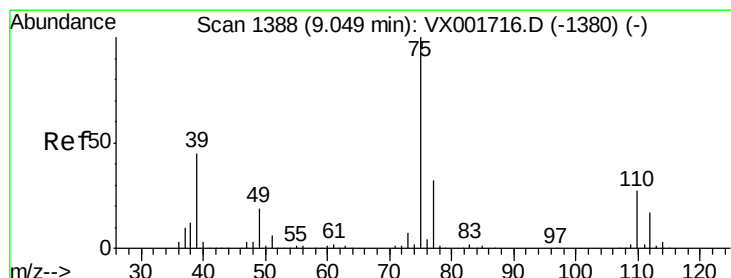
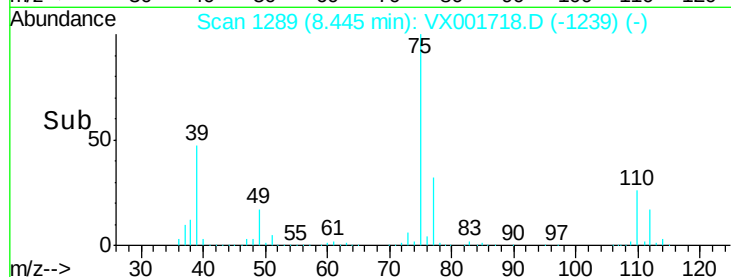
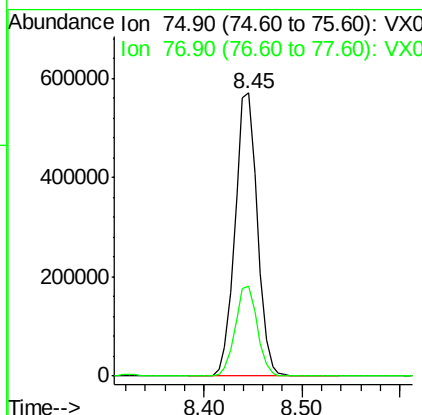
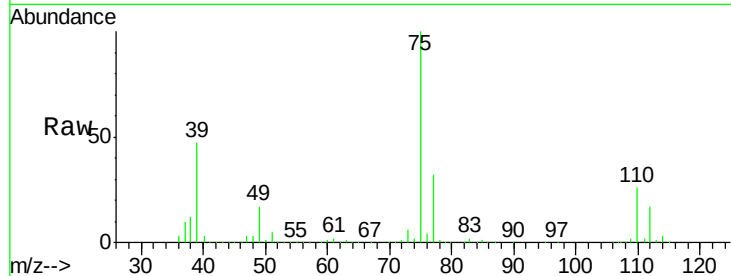
#53
 t-1,3-Dichloropropene
 Concen: 154.63 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. 0.01 min
 Lab File: VX001718.D
 Acq: 14 May 2018 19:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
75	100	900650		
77	32.0	25.0	37.6	

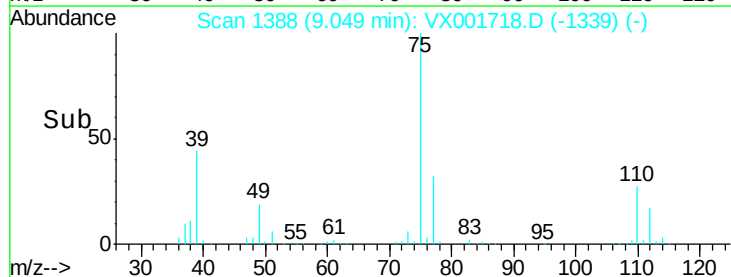
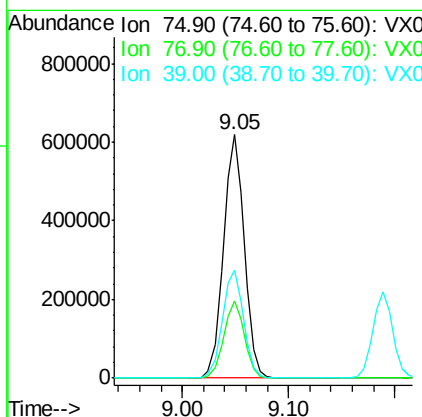
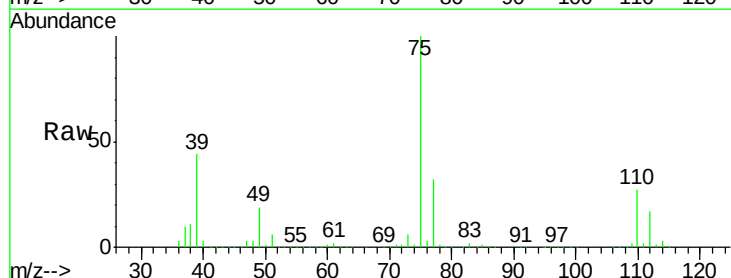
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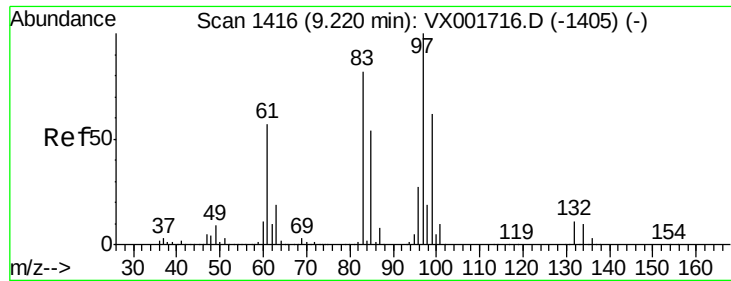
MMDadoda
 5/16/2018 11:54:09 AM



#54
 cis-1,3-Dichloropropene
 Concen: 161.47 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX001718.D
 Acq: 14 May 2018 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	844390		
77	31.8	25.4	38.2	
39	44.1	36.1	54.1	





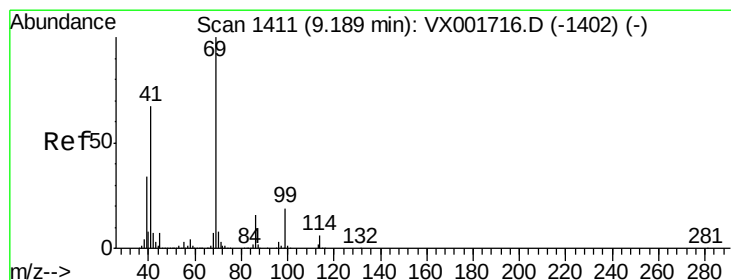
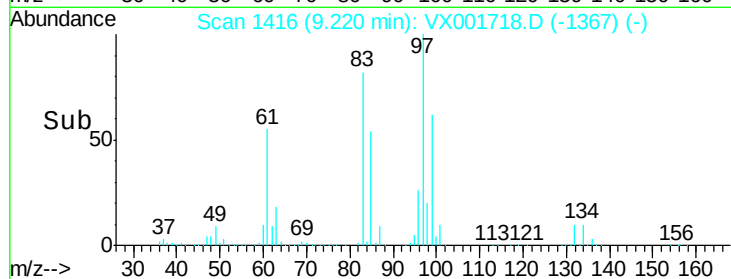
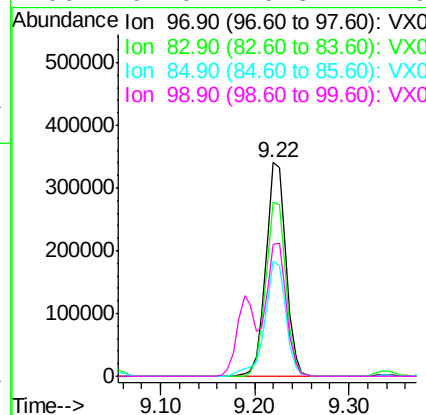
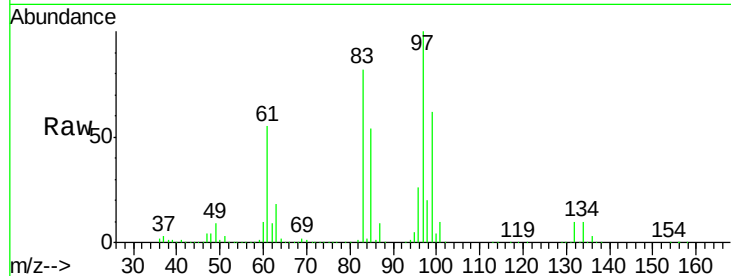
#55
 1,1,2-Trichloroethane
 Concen: 124.03 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001718.D
 Acq: 14 May 2018 19:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	510451
Ion Ratio	Lower	Upper	
97	100		
83	81.7	65.8	98.8
85	53.9	43.4	65.0
99	62.0	49.8	74.6

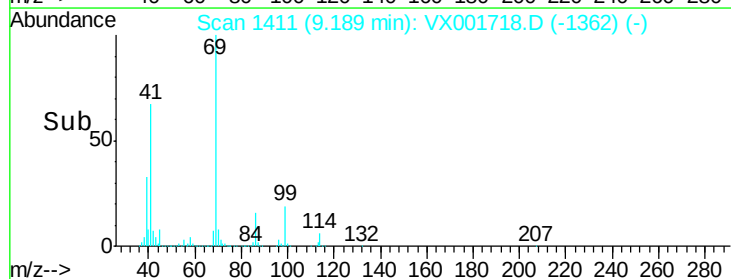
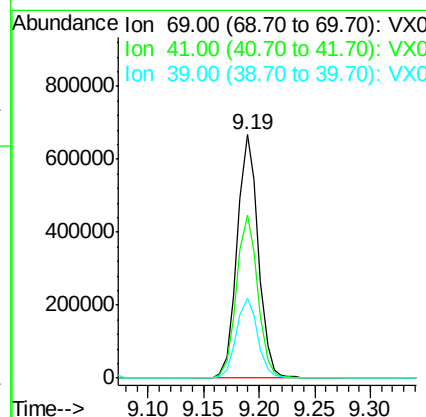
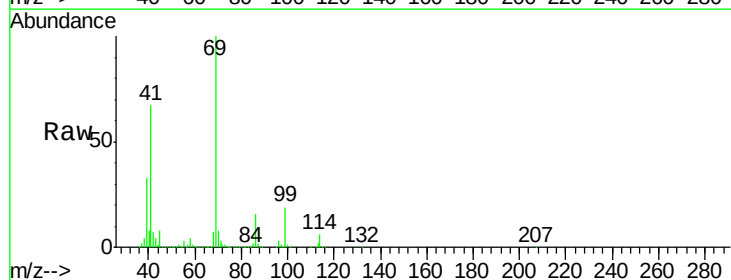
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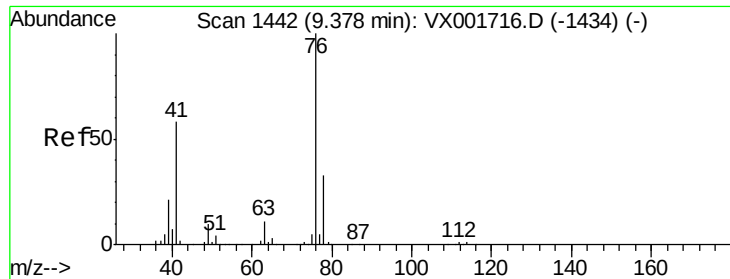
MMDadoda
 5/16/2018 11:54:09 AM



#56
 Ethyl methacrylate
 Concen: 148.15 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001718.D
 Acq: 14 May 2018 19:10

Tgt Ion:	69	Resp:	875677
Ion Ratio	Lower	Upper	
69	100		
41	67.3	53.5	80.3
39	33.3	27.2	40.8





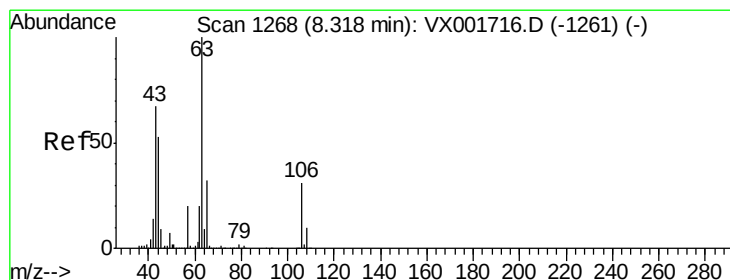
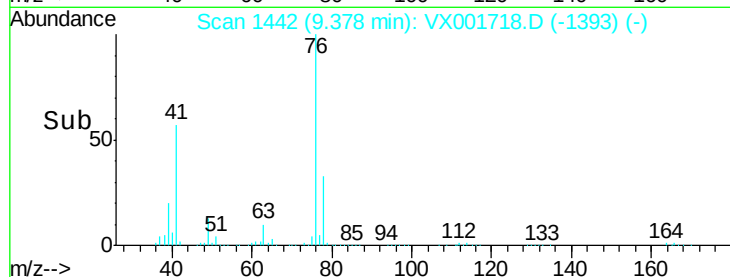
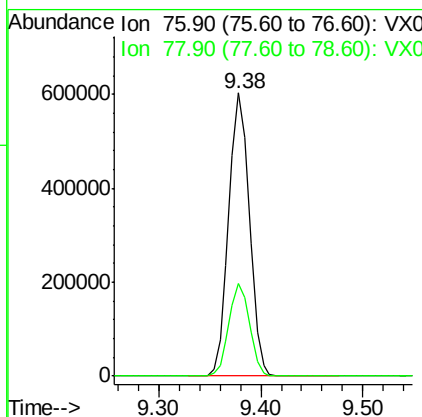
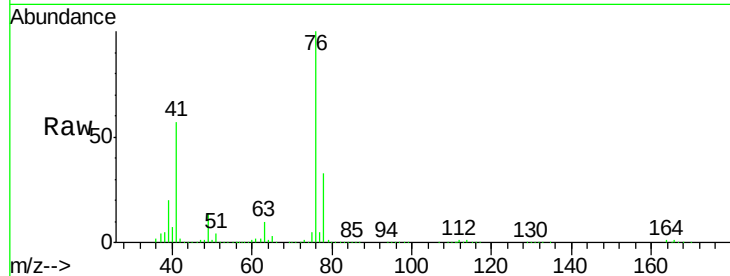
#57
 1,3-Dichloropropane
 Concen: 125.08 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX001718.D
 Acq: 14 May 2018 19:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6

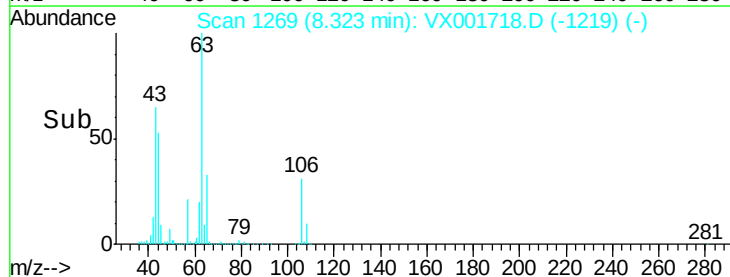
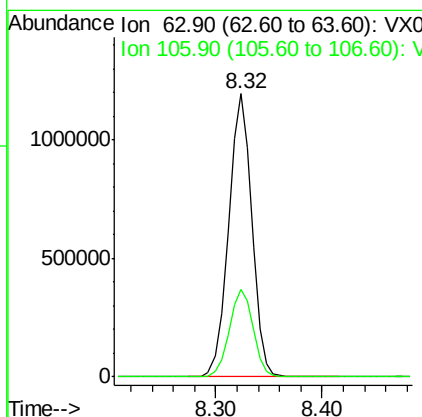
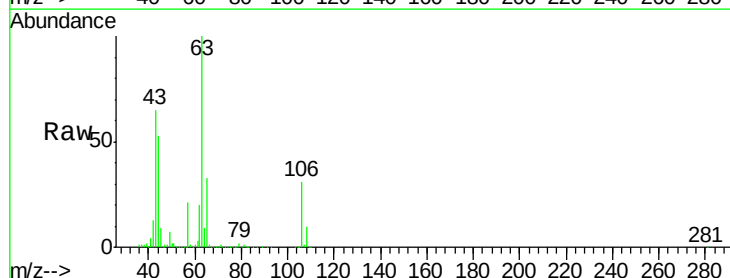
Manual Integrations
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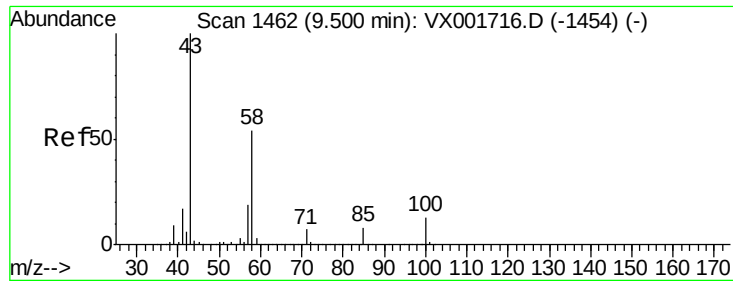
MMDadoda
 5/16/2018 11:54:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 622.95 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VX001718.D
 Acq: 14 May 2018 19:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.8	25.1	37.7





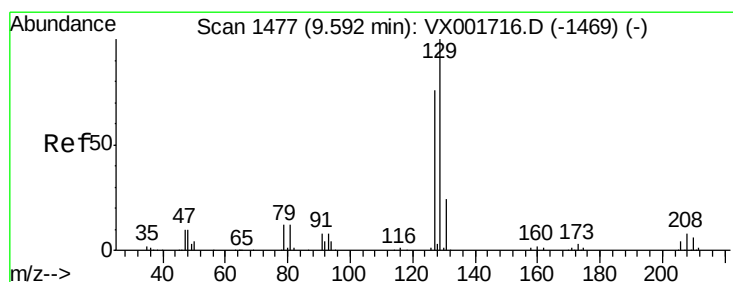
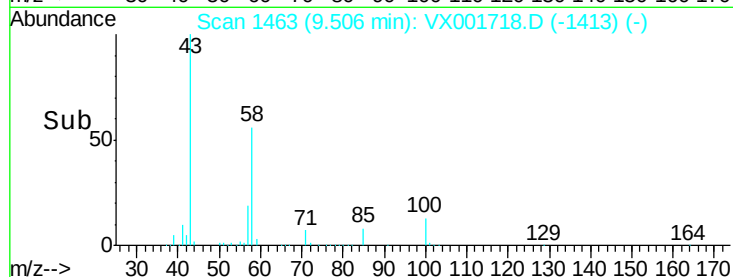
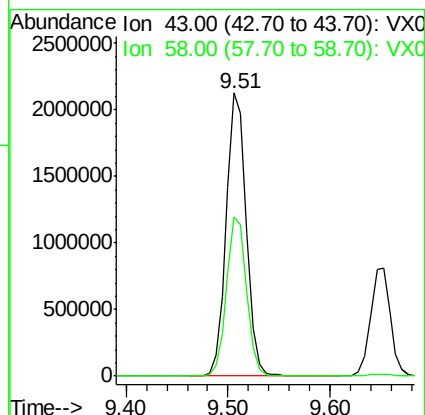
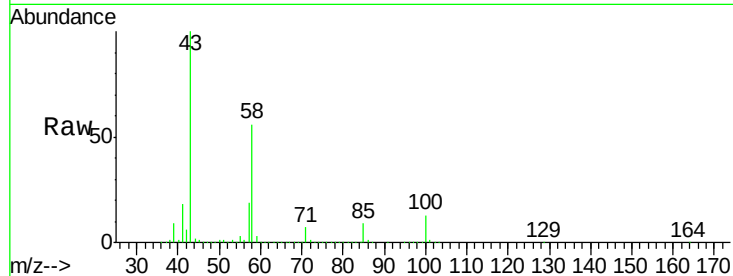
#59
2-Hexanone
Concen: 639.71 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2892966
Ion Ratio Lower Upper
43 100
58 56.6 27.7 83.1

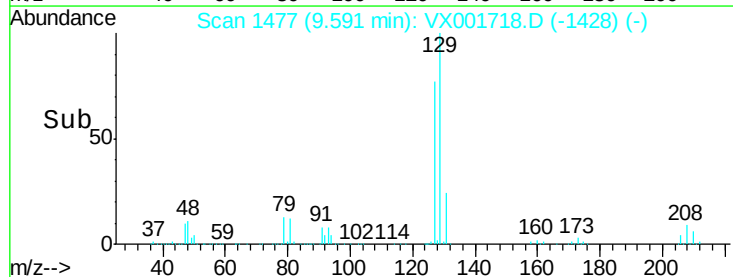
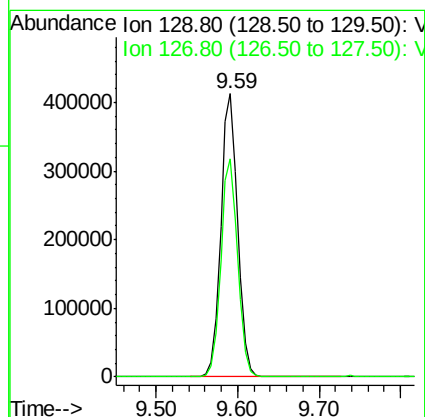
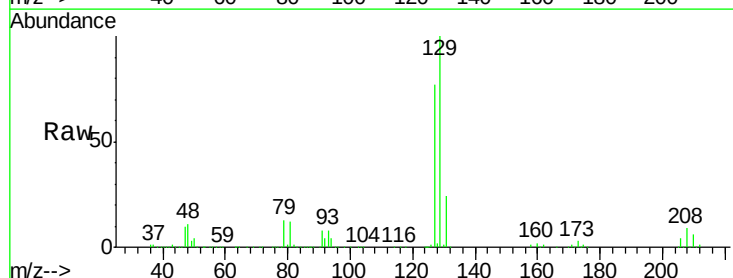
Manual Integrations
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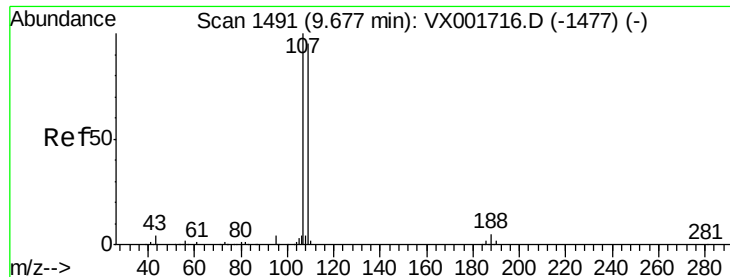
MMDadoda
5/16/2018 11:54:09 AM



#60
Dibromochloromethane
Concen: 142.05 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Tgt Ion: 129 Resp: 594752
Ion Ratio Lower Upper
129 100
127 77.0 38.7 116.1





#61

1,2-Dibromoethane

Concen: 127.71 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion:107 Resp: 550059

Ion Ratio Lower Upper

107 100

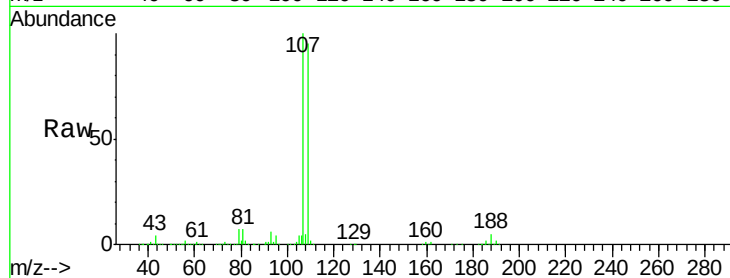
109 94.9 76.2 114.2

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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

400000

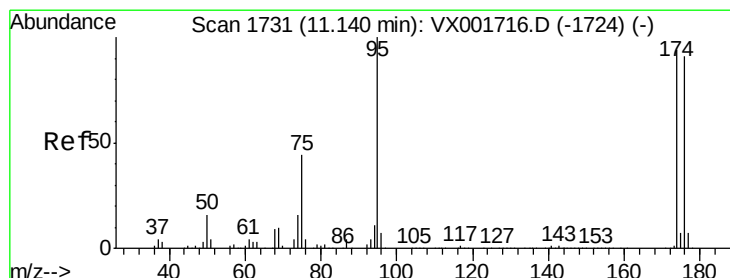
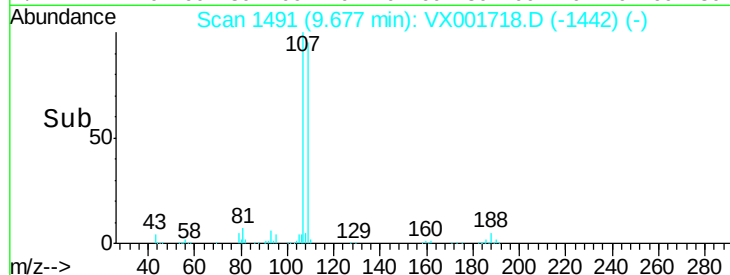
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 130.92 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

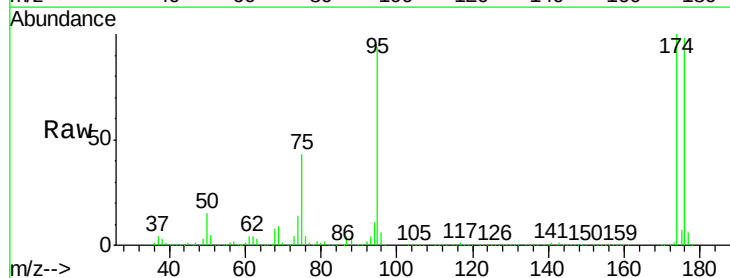
Tgt Ion: 95 Resp: 683123

Ion Ratio Lower Upper

95 100

174 102.1 0.0 201.8

176 99.9 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

11.15

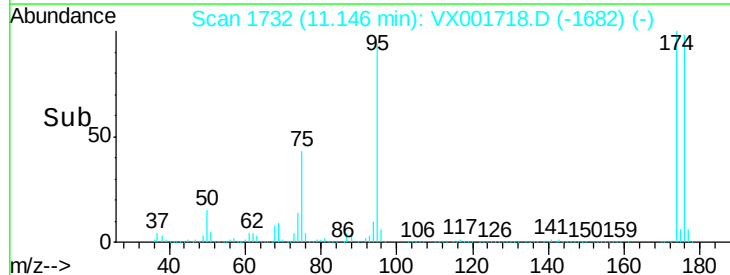
600000

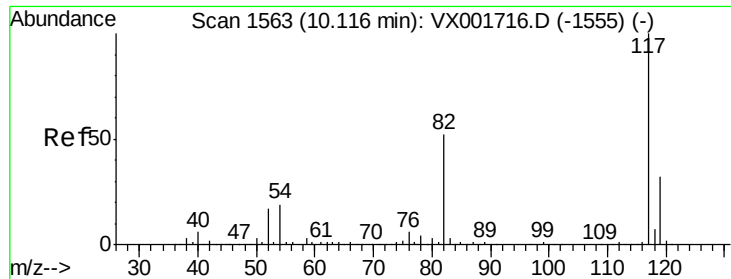
400000

200000

0

Time-->





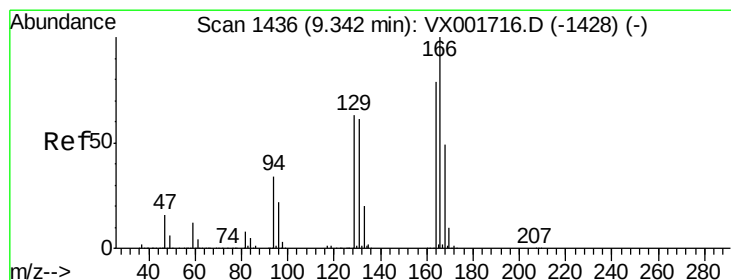
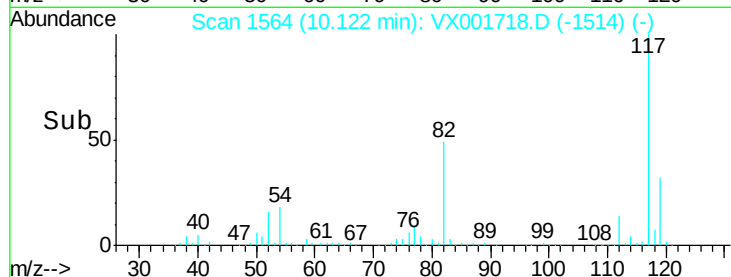
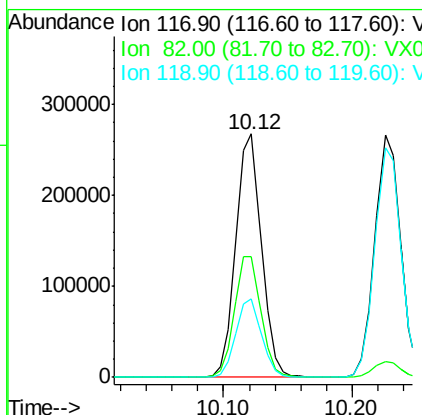
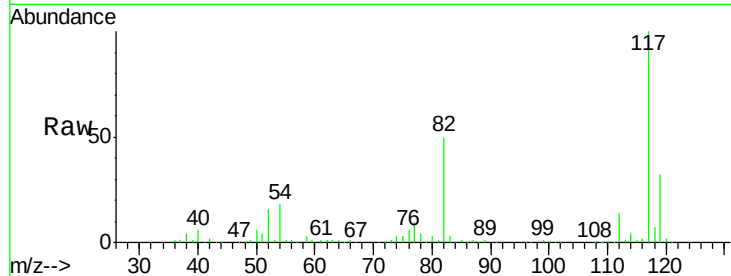
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.5	41.4	62.2
119	32.2	25.6	38.4

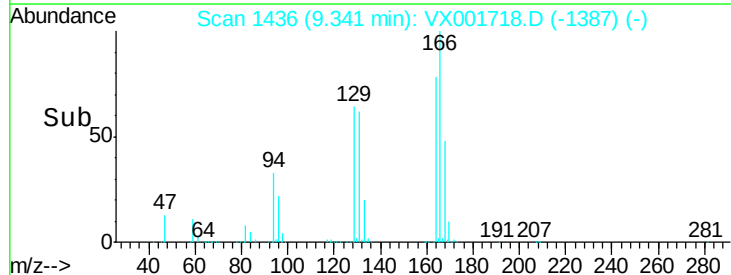
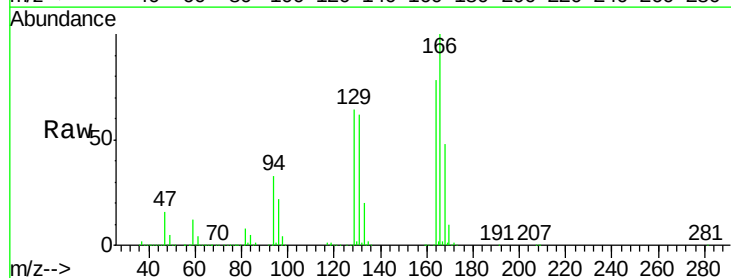
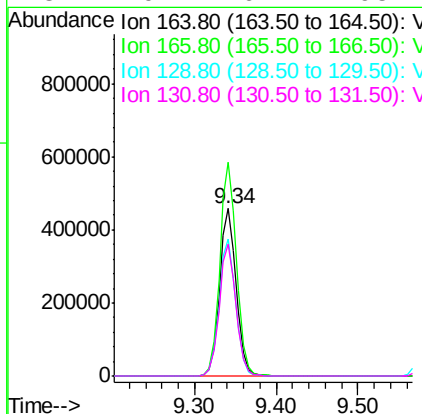
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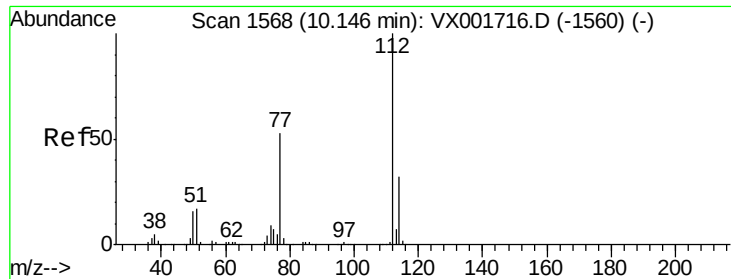
MMDadoda
5/16/2018 11:54:09 AM



#64
Tetrachloroethene
Concen: 126.54 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	101.8	152.8
129	81.6	63.8	95.6
131	79.2	62.2	93.2





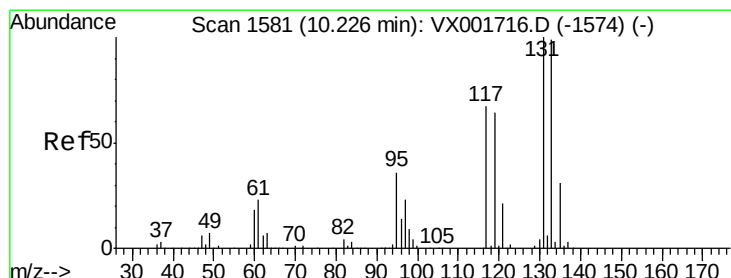
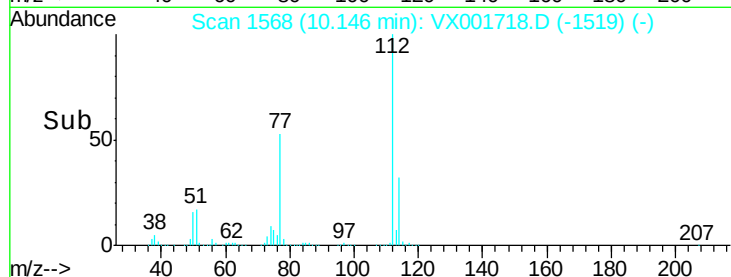
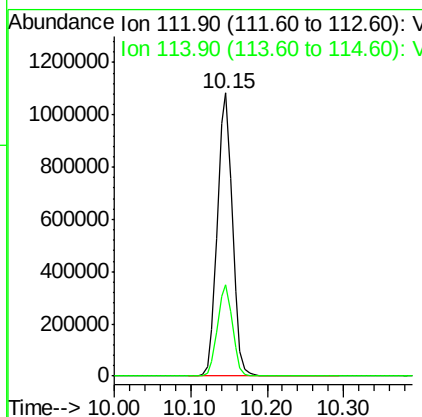
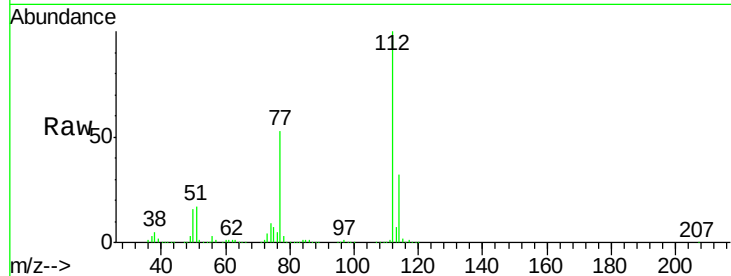
#65
Chlorobenzene
Concen: 136.61 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1475933
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

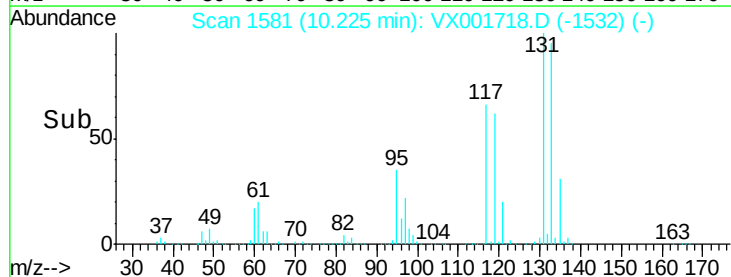
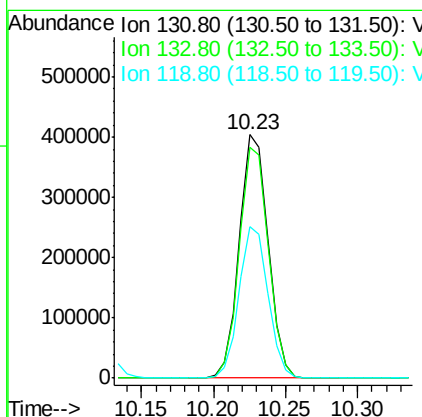
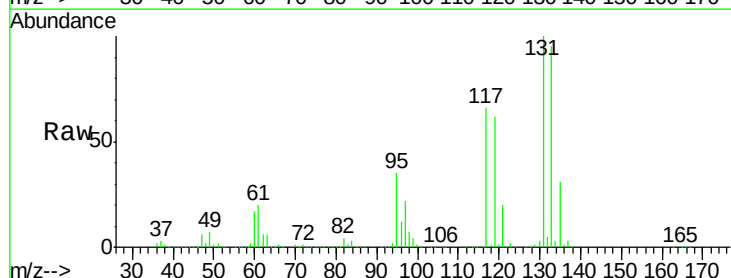
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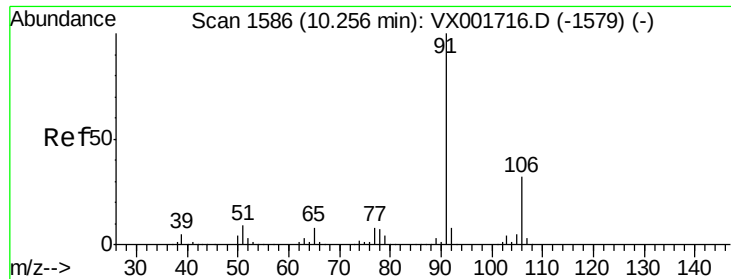
MMDadoda
5/16/2018 11:54:09 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 145.98 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Tgt Ion:131 Resp: 562413
Ion Ratio Lower Upper
131 100
133 95.6 48.5 145.6
119 62.6 31.9 95.5





#67

Ethyl Benzene

Concen: 138.36 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2447671

Ion Ratio Lower Upper

91 100

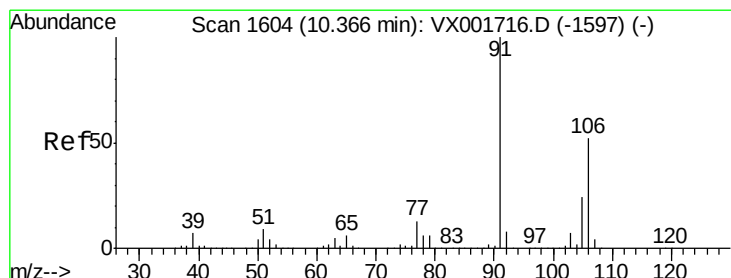
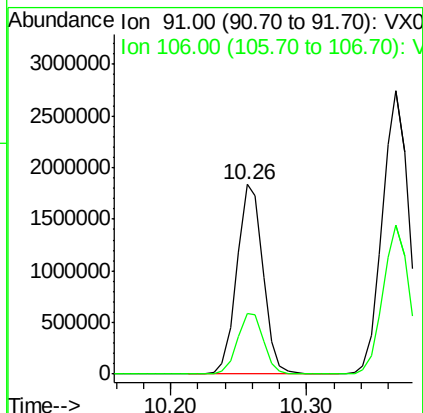
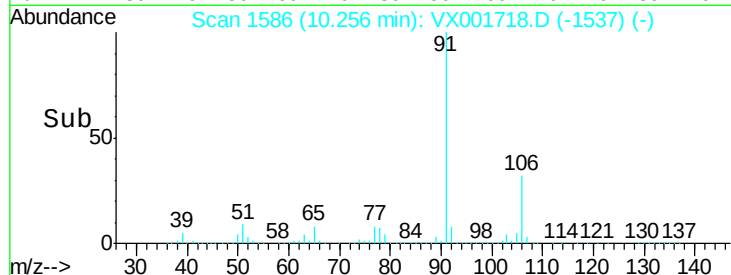
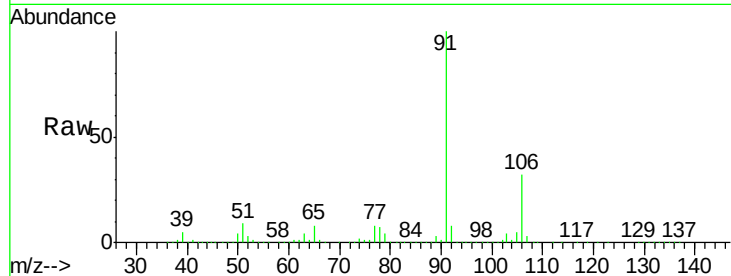
106 31.8 25.7 38.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 277.65 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001718.D

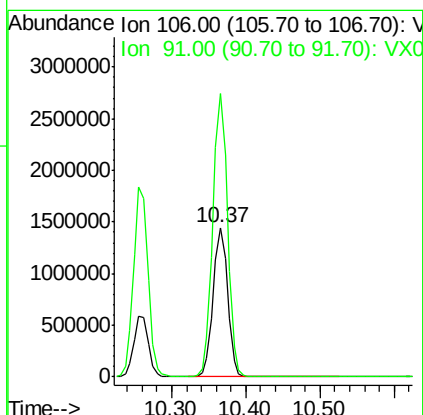
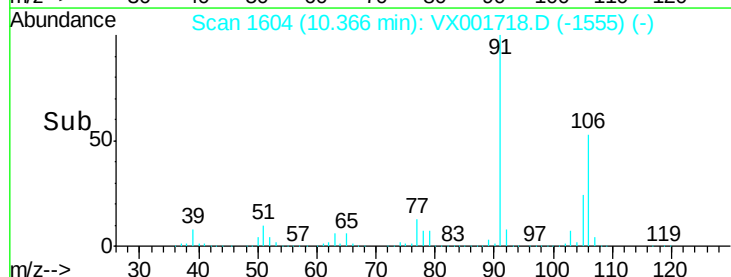
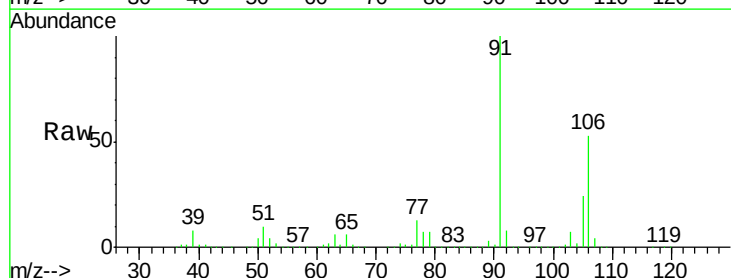
Acq: 14 May 2018 19:10

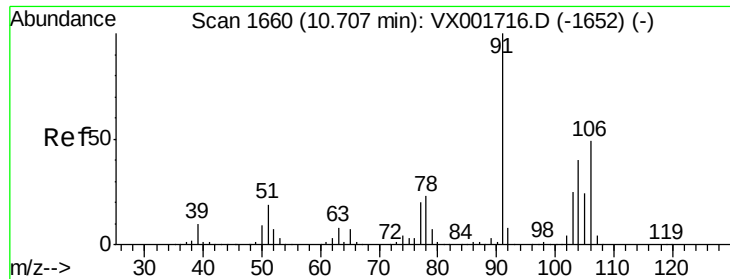
Tgt Ion: 106 Resp: 1938706

Ion Ratio Lower Upper

106 100

91 192.2 155.4 233.2





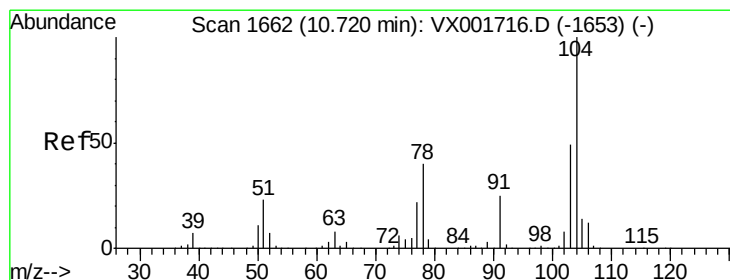
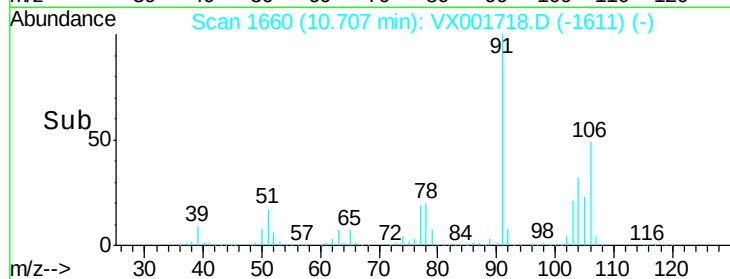
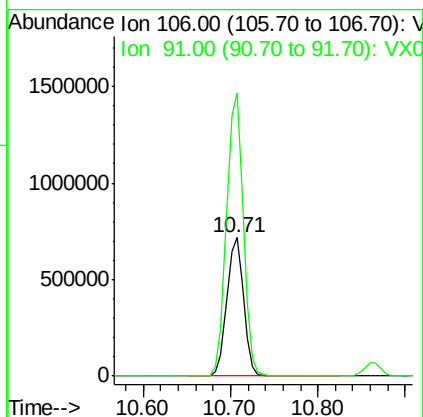
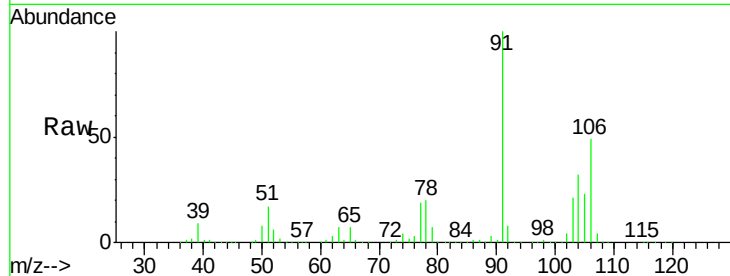
#69
o-Xylene
Concen: 139.99 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion:106 Resp: 947553
Ion Ratio Lower Upper
106 100
91 205.0 103.4 310.2

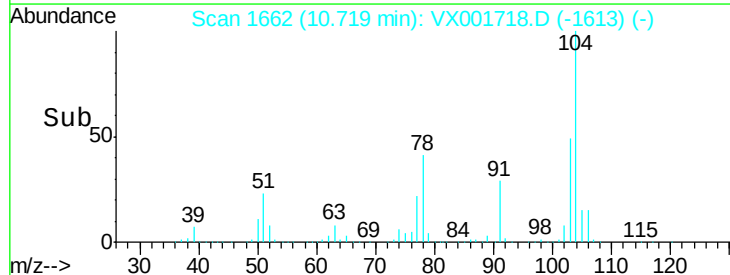
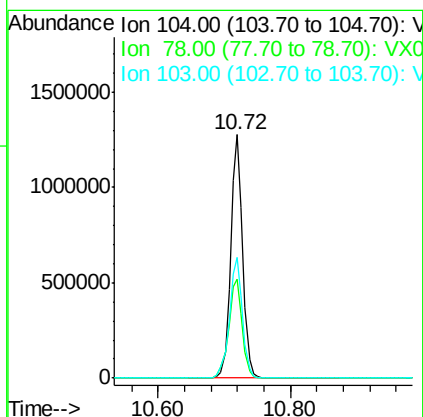
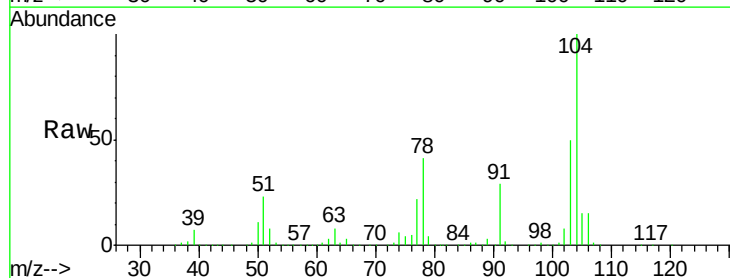
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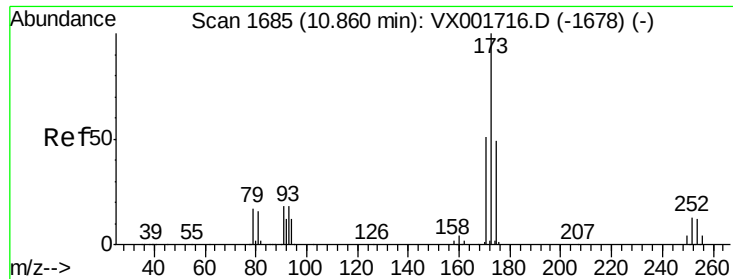
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#70
Styrene
Concen: 145.47 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Tgt Ion:104 Resp: 1602739
Ion Ratio Lower Upper
104 100
78 46.3 37.3 55.9
103 54.3 43.7 65.5





#71

Bromoform

Concen: 169.82 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

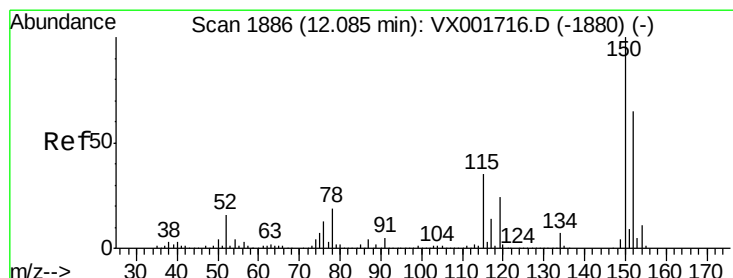
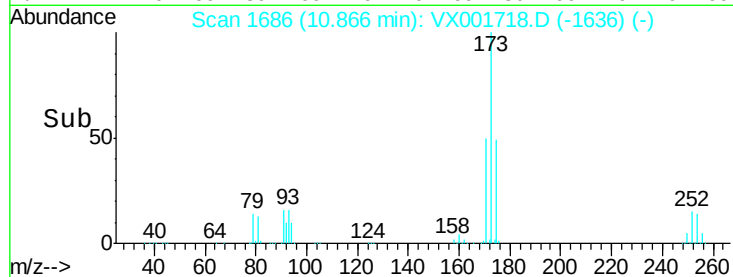
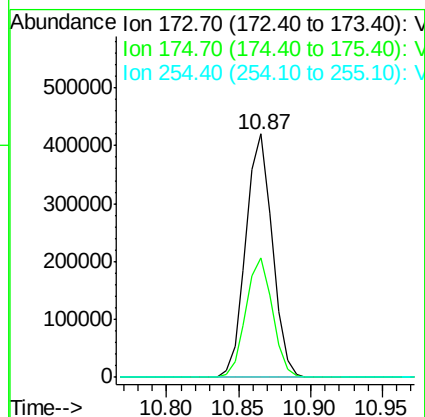
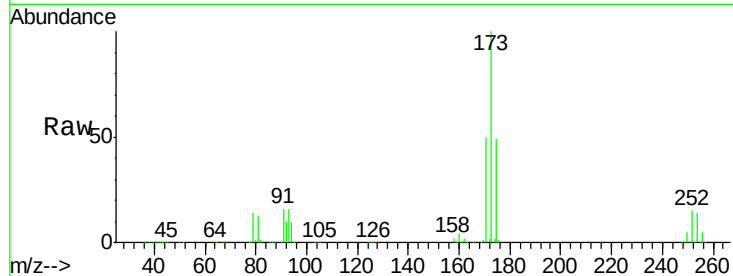
ClientSampleId :

VSTDIC150

Tot Ion:	173	Resp:	535093
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.3	72.8
254	0.2	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

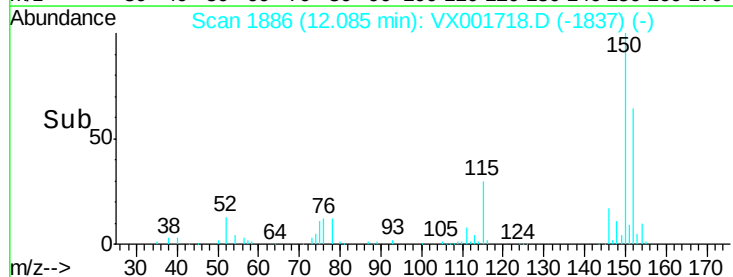
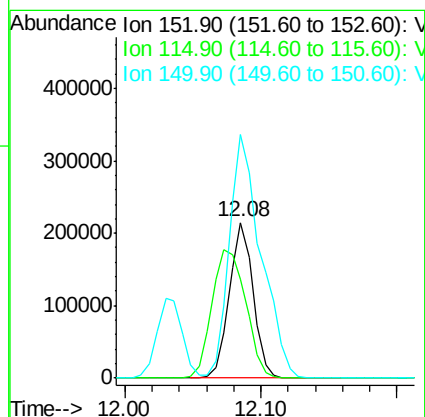
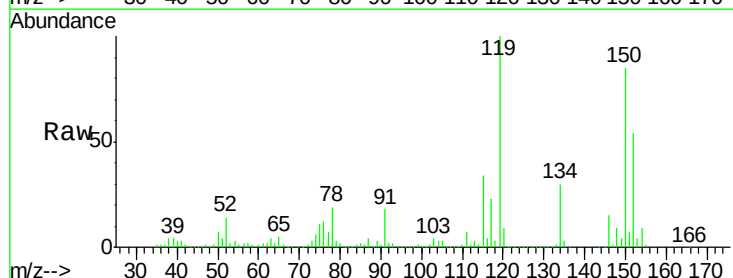
RT: 12.08 min Scan# 1886

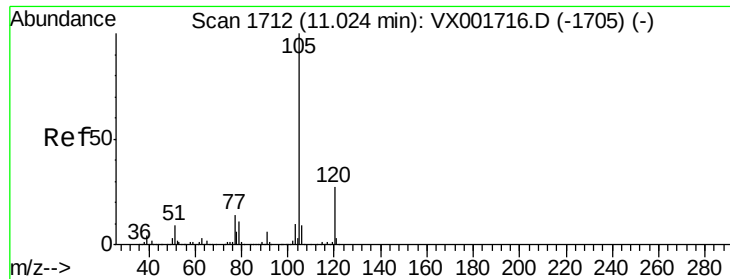
Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Tgt Ion:	152	Resp:	260621
Ion Ratio	Lower	Upper	
152	100		
115	116.6	37.4	112.2#
150	209.1	0.0	344.8





#73

Isopropylbenzene

Concen: 138.54 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion:105 Resp: 2494135

Ion Ratio Lower Upper

105 100

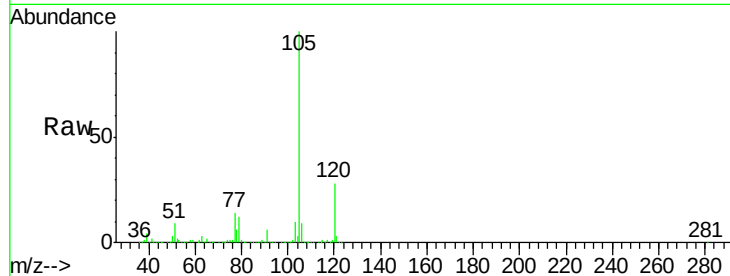
120 27.6 13.8 41.3

Manual Integrations

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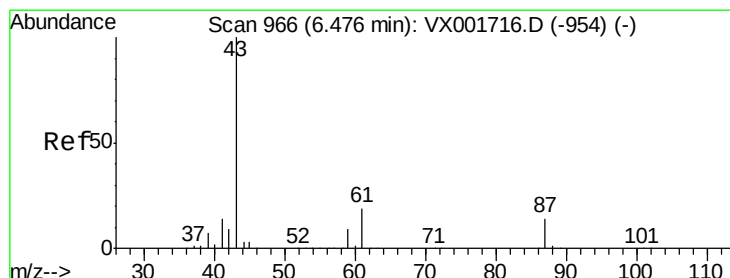
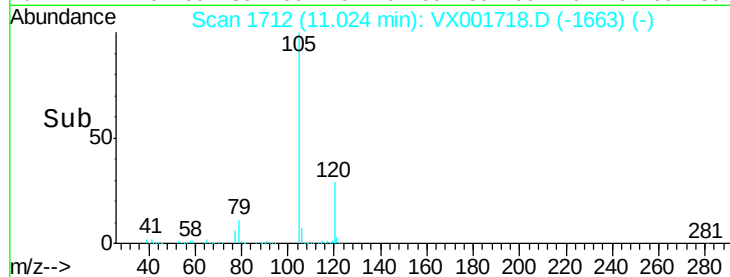
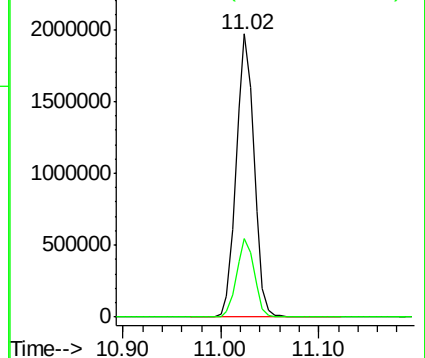
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 155.81 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Tgt Ion: 43 Resp: 1287808

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

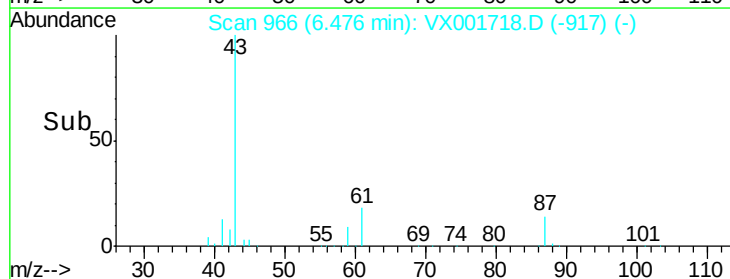
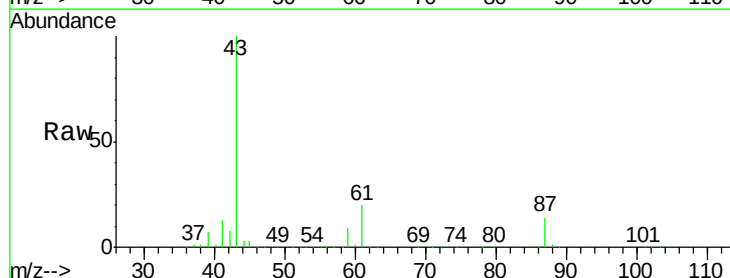
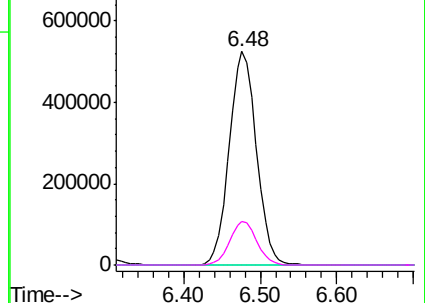
61 20.3 15.8 23.8

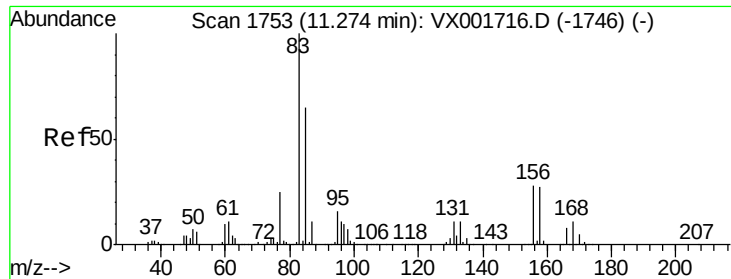
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 146.34 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

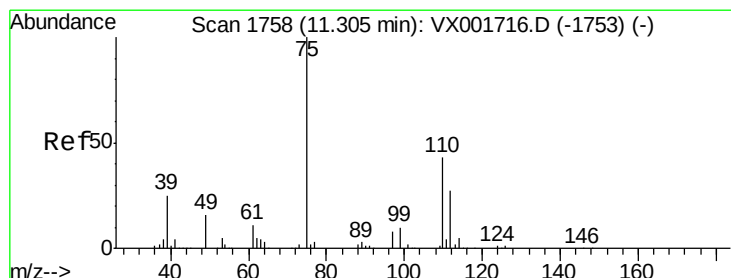
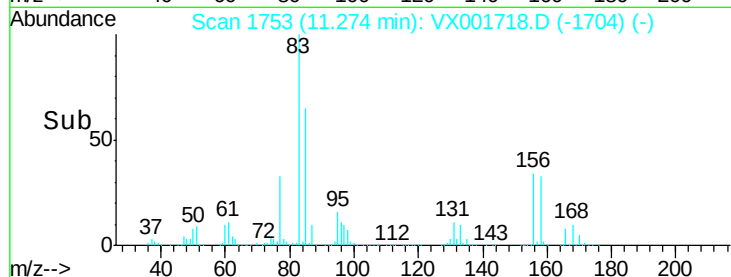
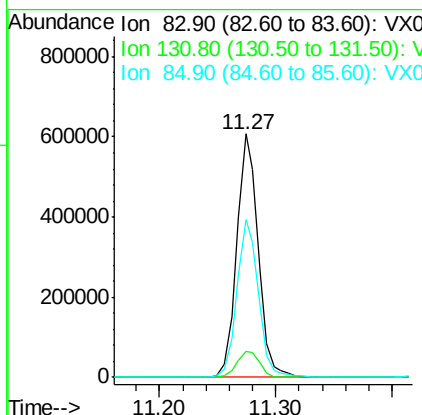
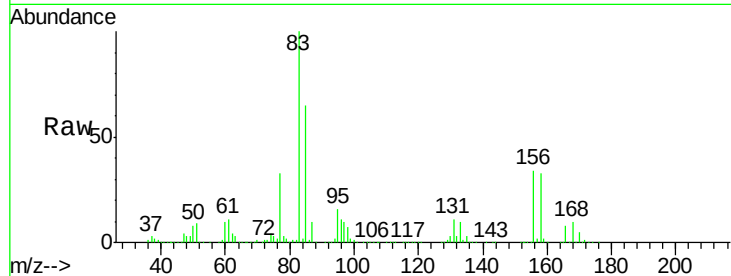
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	777302
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.0
85	65.0	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 138.35 ug/l m

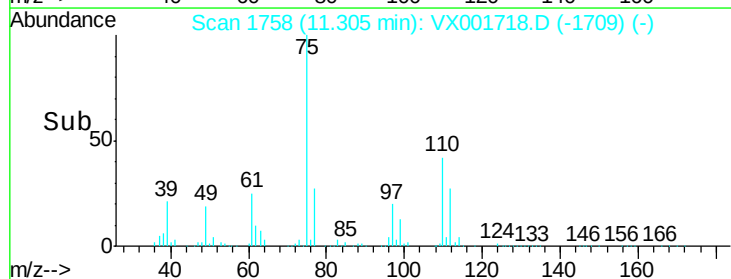
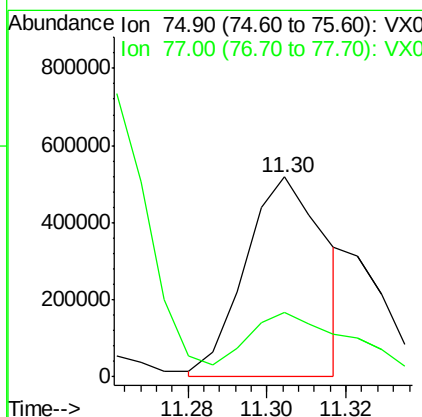
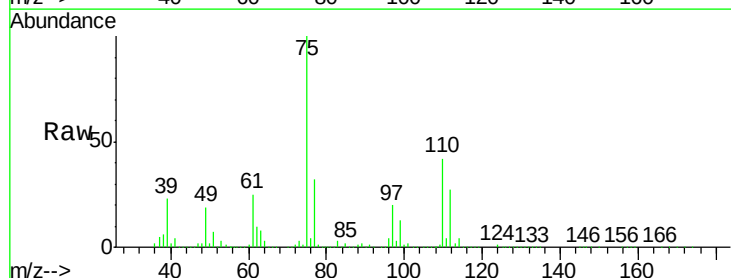
RT: 11.30 min Scan# 1758

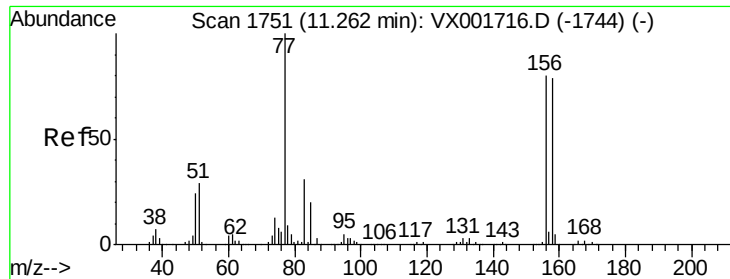
Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Tgt Ion:	75	Resp:	731248
Ion Ratio	Lower	Upper	
75	100		
77	42.0	18.9	56.7





#77

Bromobenzene

Concen: 139.51 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

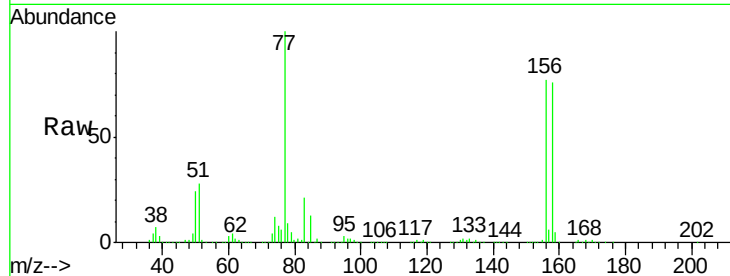
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		732518		
77	130.4	65.3	196.0		
158	97.8	49.1	147.3		

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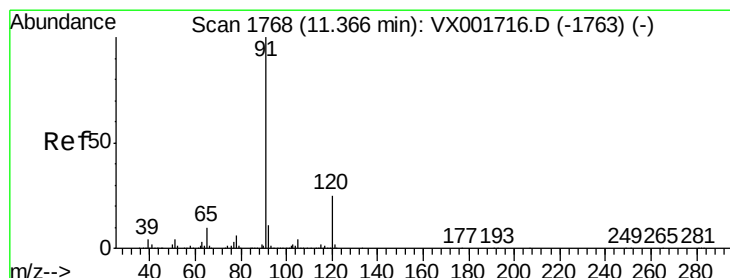
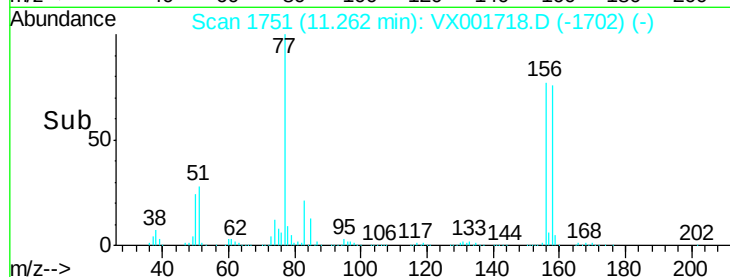
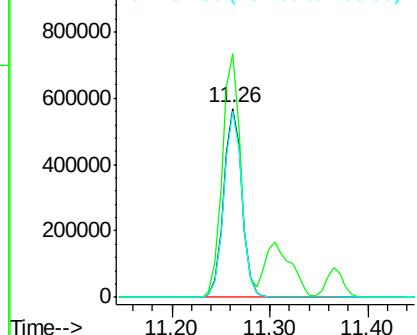
MMDadoda
5/16/2018 11:54:09 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 142.14 ug/l

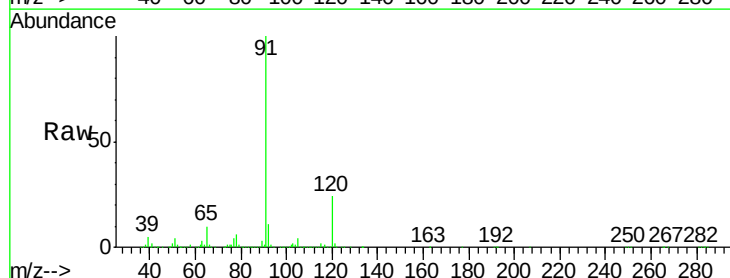
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001718.D

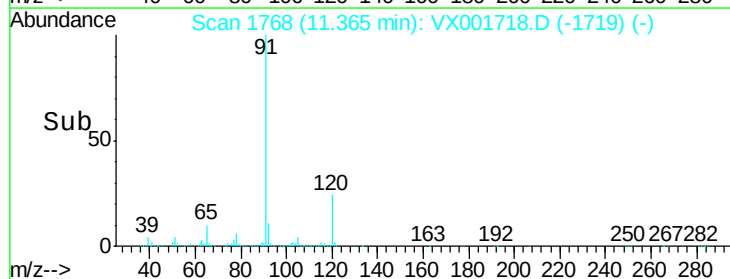
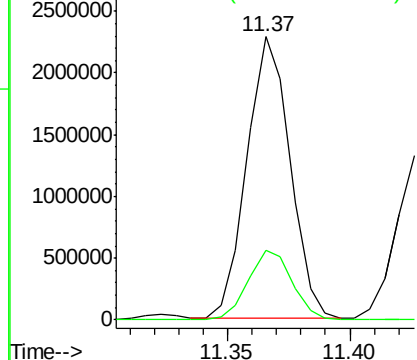
Acq: 14 May 2018 19:10

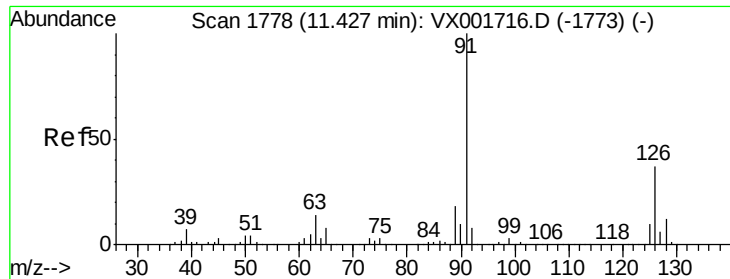
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2791687		
120	25.3	12.5	37.5		



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 138.54 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1668179

Ion Ratio Lower Upper

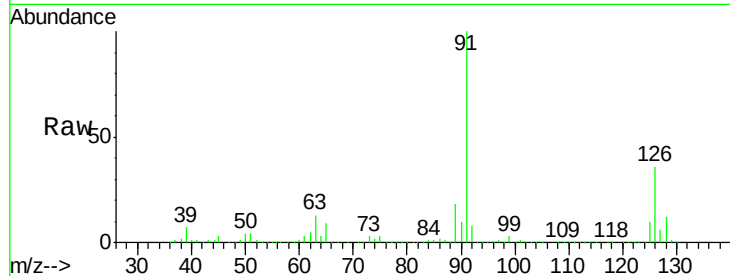
91 100

126 37.1 18.4 55.4

Manual Integrations
APPROVED

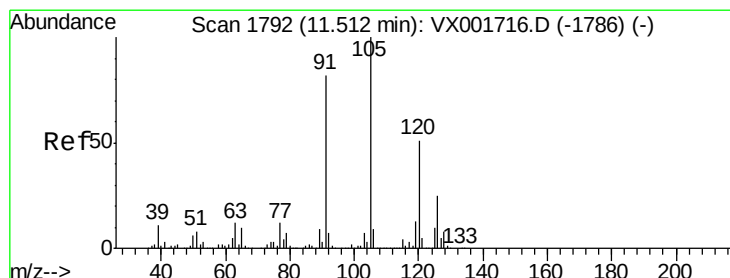
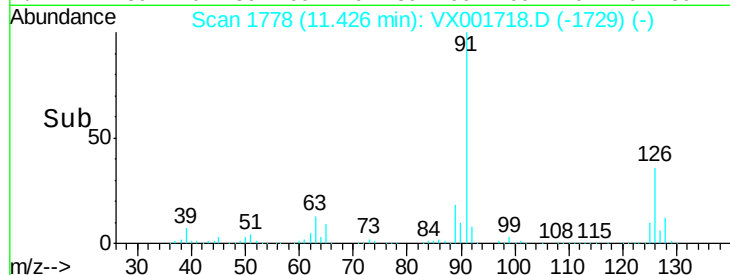
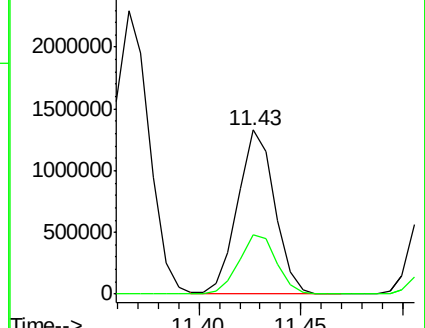
MMDadoda

5/16/2018 11:54:09 AM



Abundance Ion 91.00 (90.70 to 91.70): VX001718.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001718.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 141.02 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001718.D

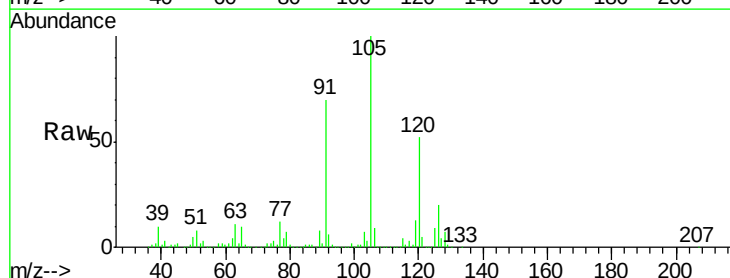
Acq: 14 May 2018 19:10

Tgt Ion:105 Resp: 2110107

Ion Ratio Lower Upper

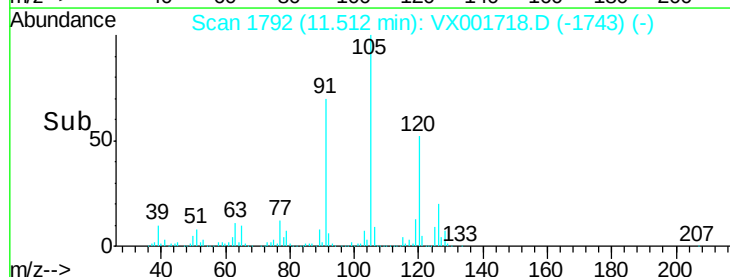
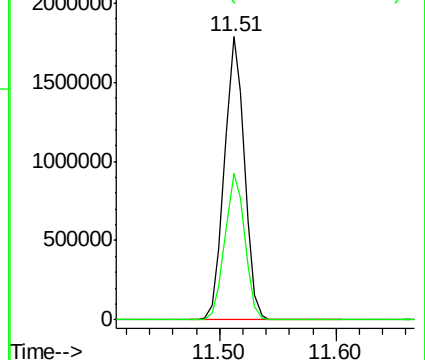
105 100

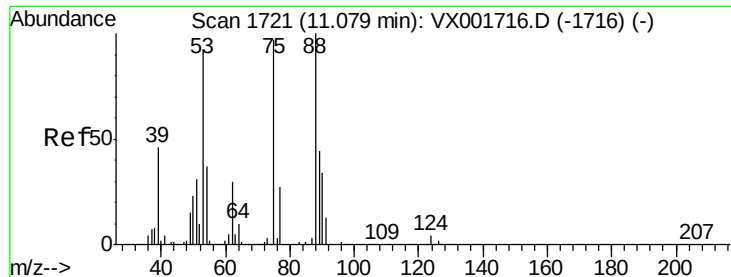
120 52.0 25.7 77.0



Abundance Ion 105.00 (104.70 to 105.70): VX001718.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001718.D (-1786) (-)





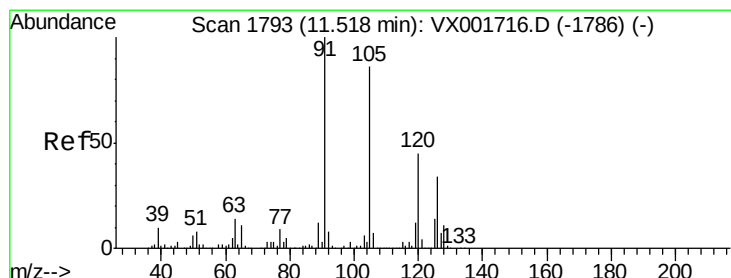
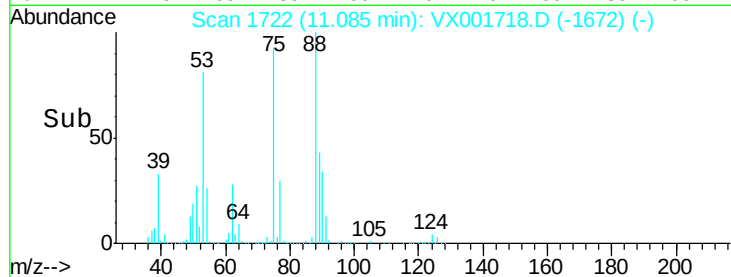
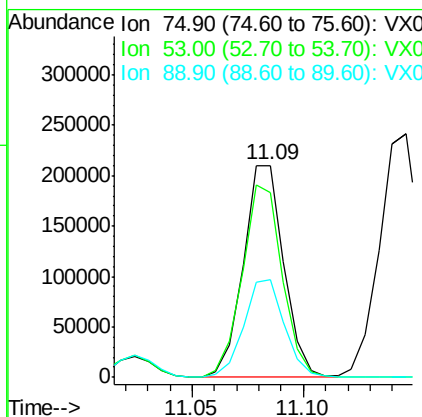
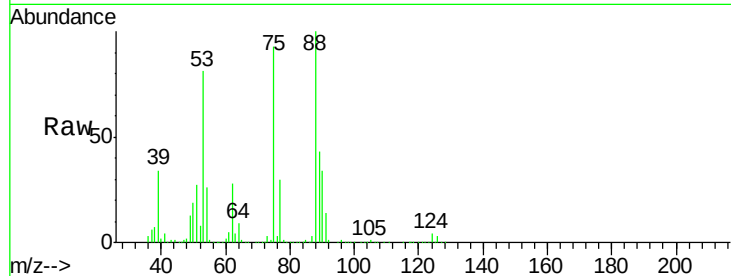
#81
trans-1,4-Dichloro-2-butene
Concen: 191.24 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. 0.01 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.8	79.4	119.2
89	46.5	38.8	58.2

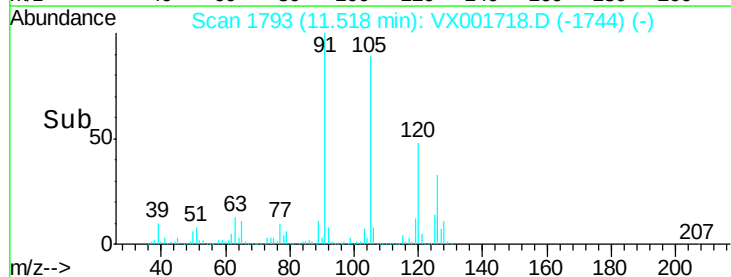
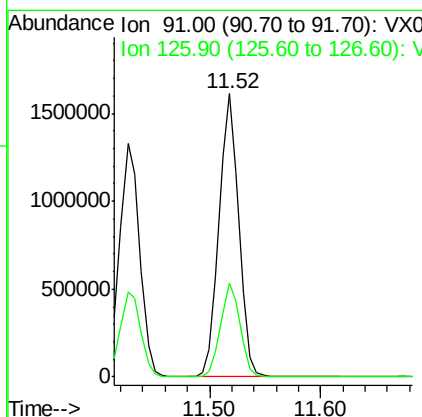
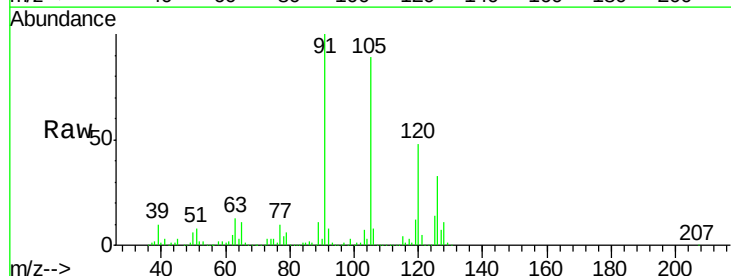
Manual Integrations
APPROVED

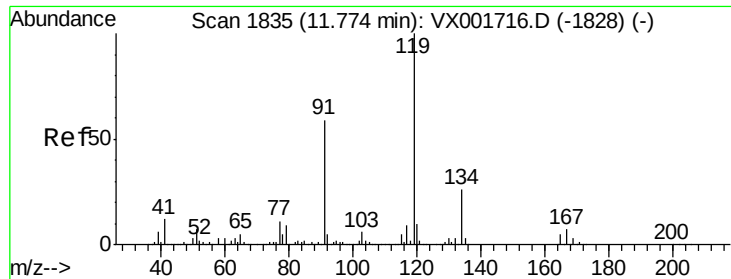
MMDadoda
5/16/2018 11:54:09 AM



#82
4-Chlorotoluene
Concen: 142.42 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1





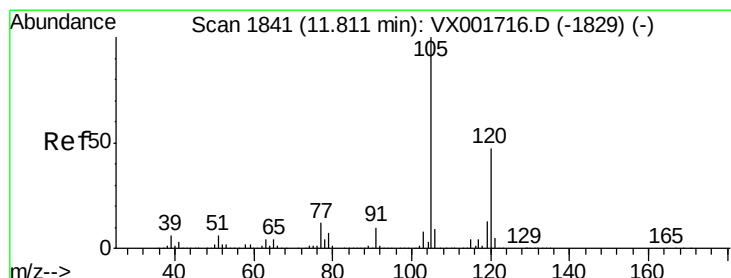
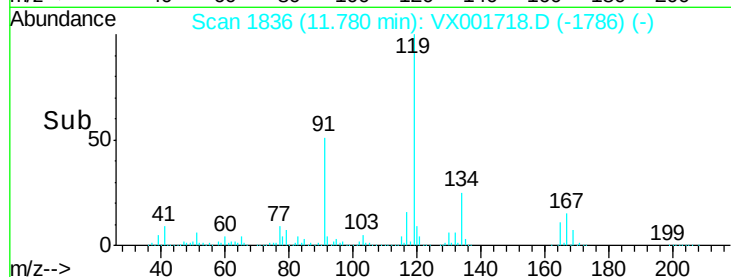
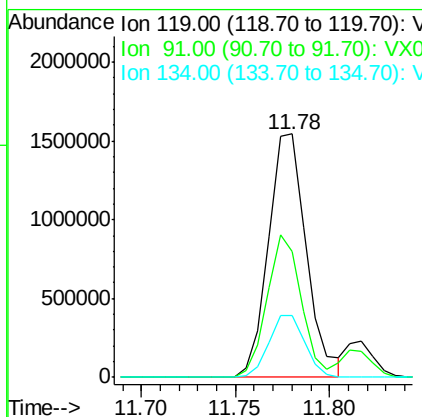
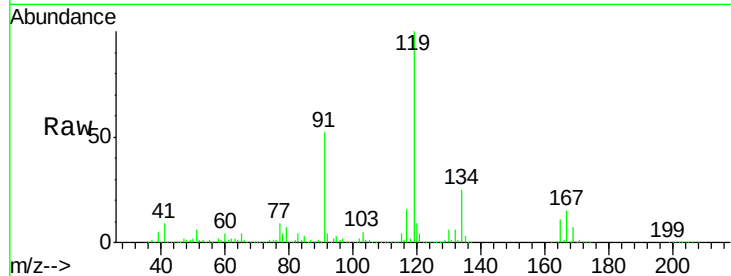
#83
 tert-Butylbenzene
 Concen: 146.29 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. 0.01 min
 Lab File: VX001718.D
 Acq: 14 May 2018 19:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 2170527
 Ion Ratio Lower Upper
 119 100
 91 52.6 27.7 83.0
 134 24.4 12.7 38.1

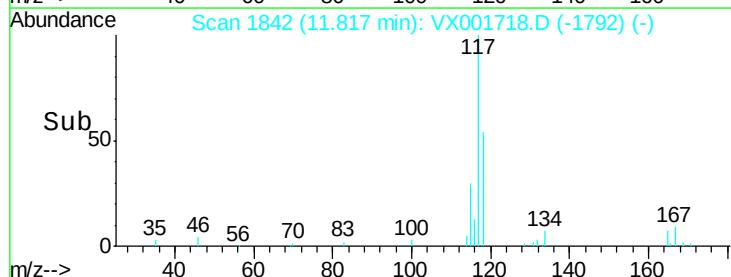
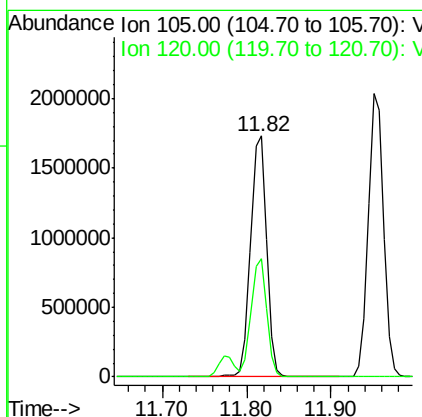
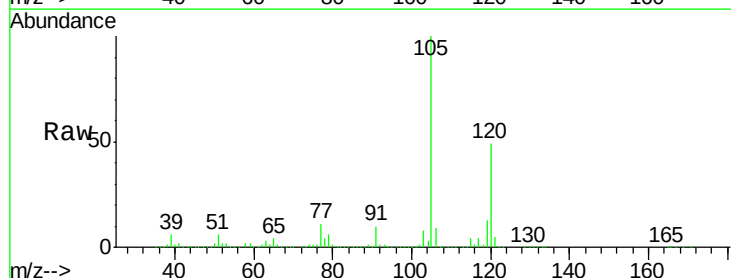
Manual Integrations
 APPROVED

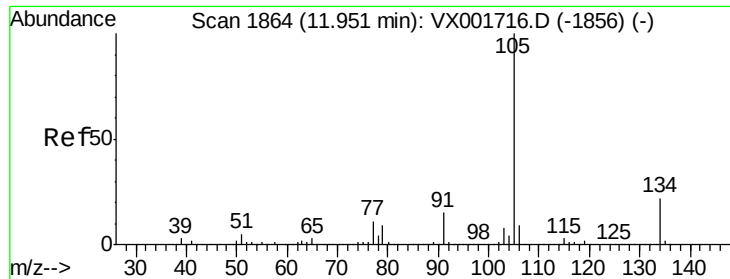
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 5/16/2018 11:54:09 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 142.32 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: VX001718.D
 Acq: 14 May 2018 19:10

Tgt Ion:105 Resp: 2189287
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.5 70.5





#85

sec-Butylbenzene

Concen: 143.97 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 2574778

Ion Ratio Lower Upper

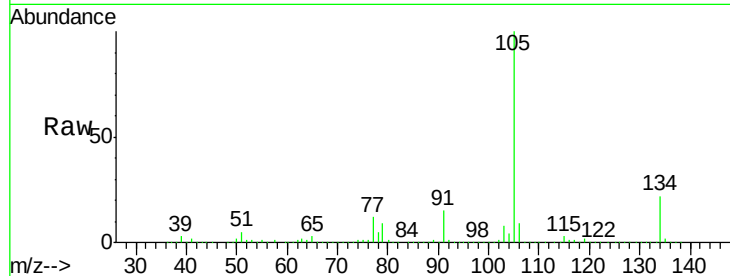
105 100

134 22.0 10.9 32.6

Manual Integrations
APPROVED

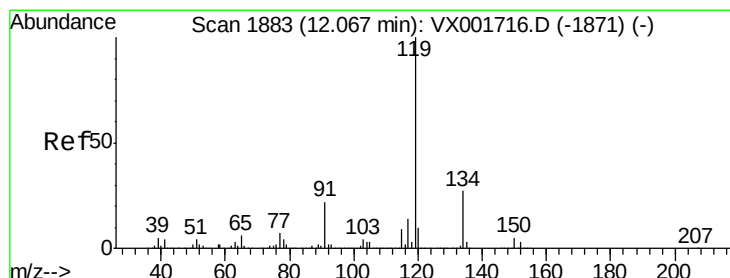
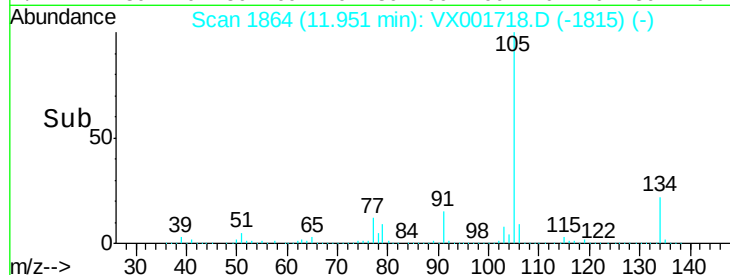
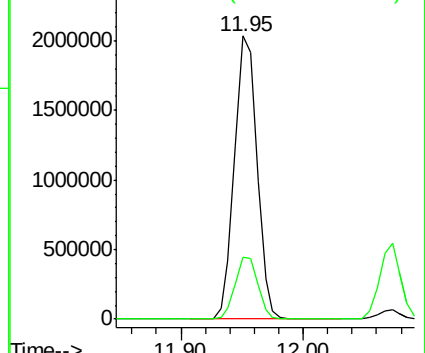
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 147.42 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

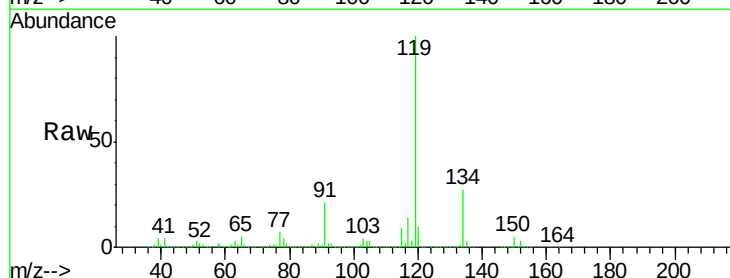
Tgt Ion:119 Resp: 2413570

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

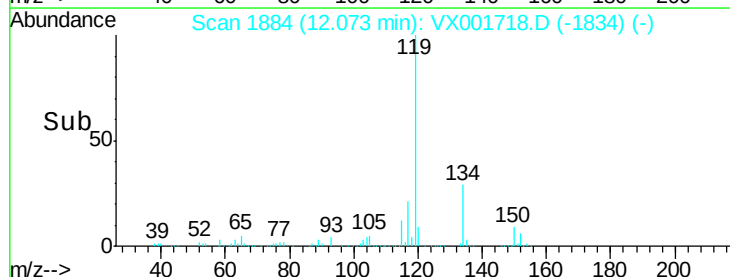
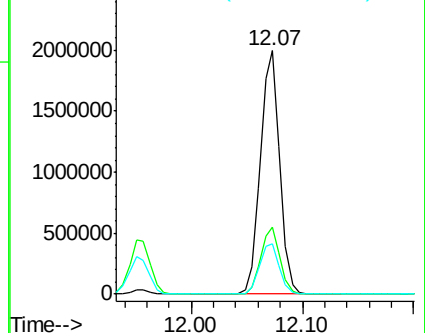
91 21.1 10.7 32.1

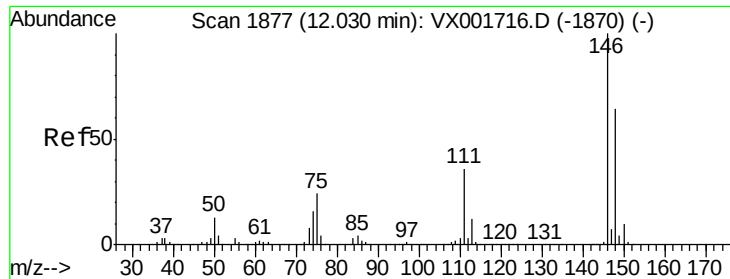


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





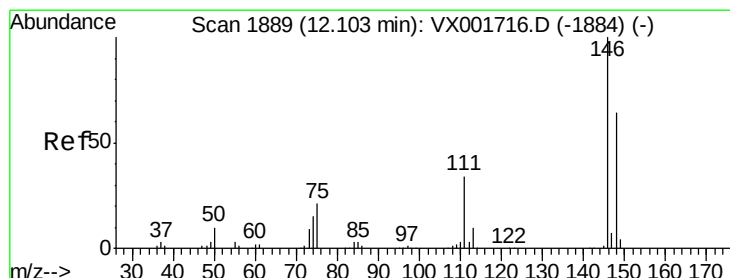
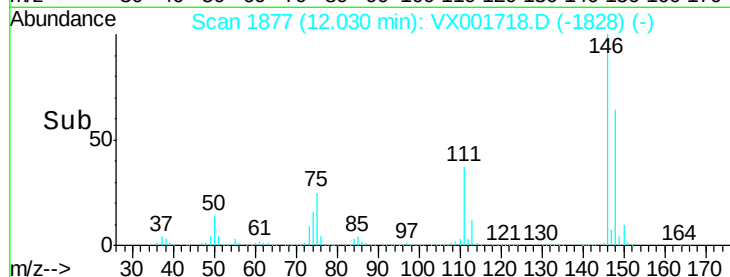
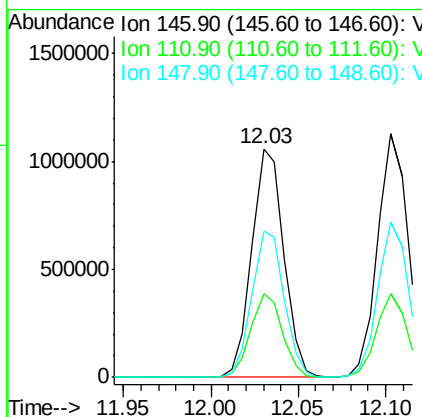
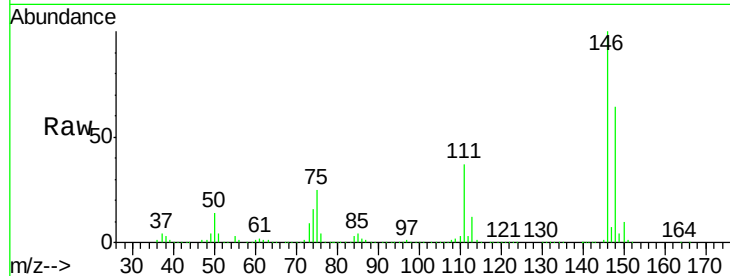
#87
 1,3-Dichlorobenzene
 Concen: 144.20 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001718.D
 Acq: 14 May 2018 19:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.8	53.4
148	64.3	32.1	96.3

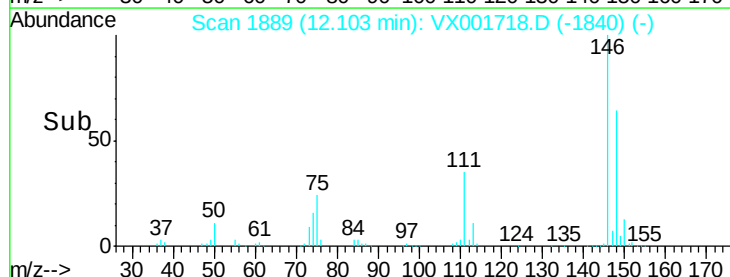
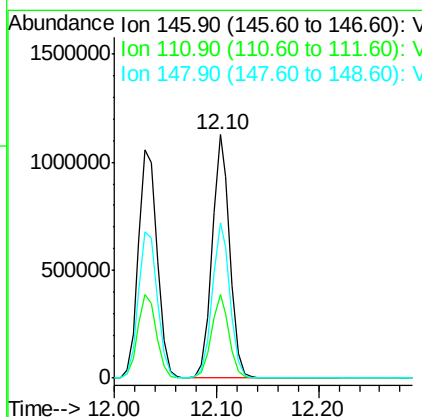
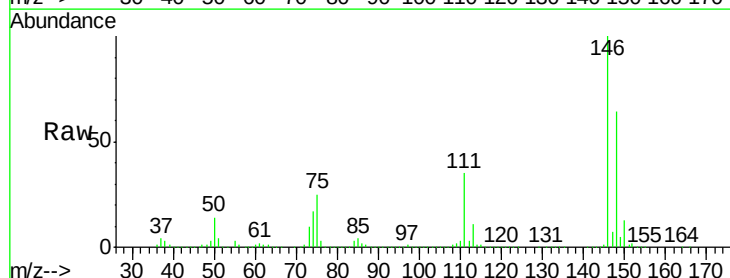
Manual Integrations
 APPROVED

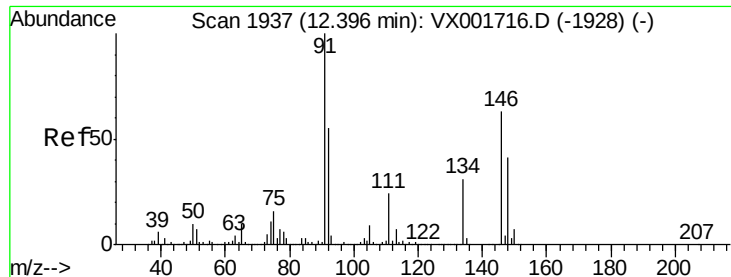
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 143.25 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001718.D
 Acq: 14 May 2018 19:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.4	17.3	52.0
148	64.2	32.3	96.9





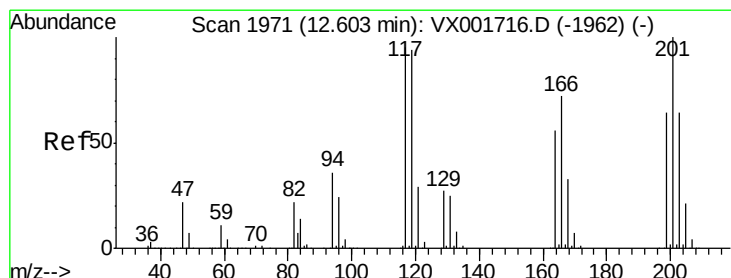
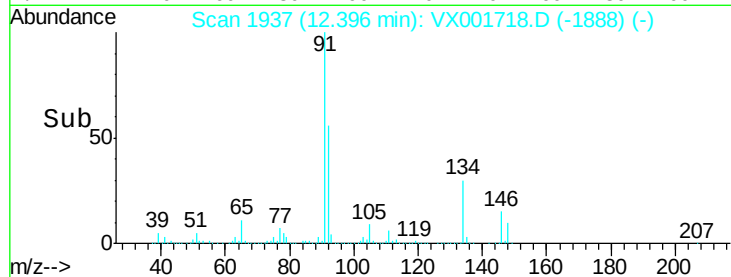
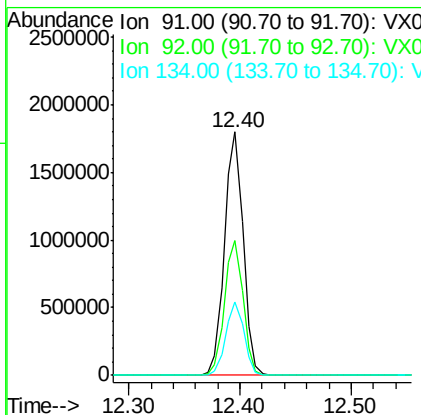
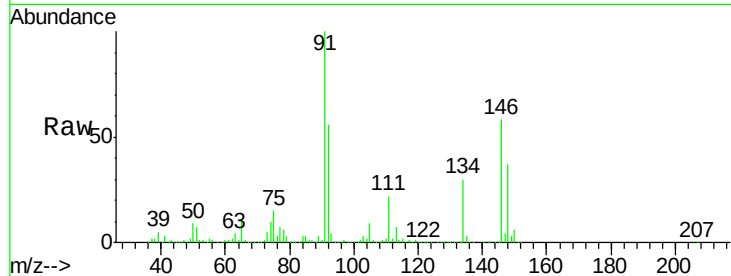
#89
n-Butylbenzene
Concen: 152.26 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2079346
Ion Ratio Lower Upper
91 100
92 55.5 27.3 81.9
134 29.8 14.7 44.1

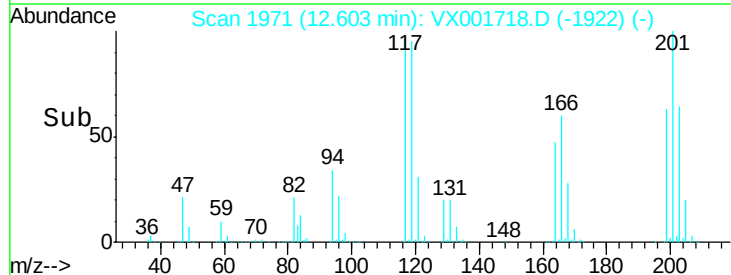
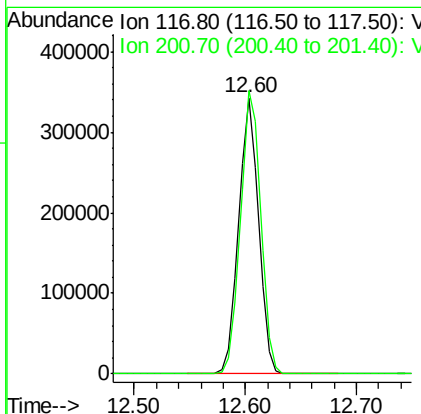
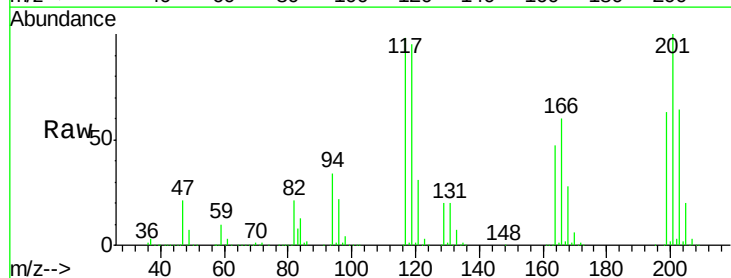
Manual Integrations
APPROVED

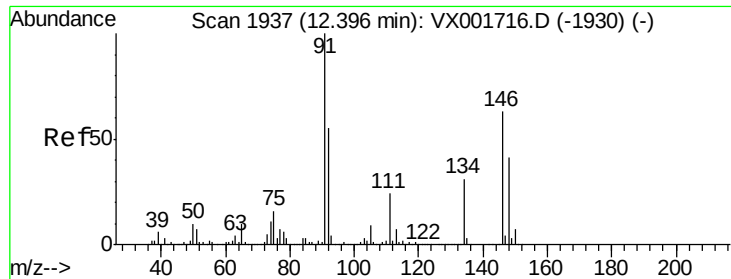
MMDadoda
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#90
Hexachloroethane
Concen: 169.88 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001718.D
Acq: 14 May 2018 19:10

Tgt Ion: 117 Resp: 423389
Ion Ratio Lower Upper
117 100
201 105.0 51.9 155.7





#91

1,2-Dichlorobenzene

Concen: 141.13 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1342384

Ion Ratio Lower Upper

146 100

111 37.1 18.6 56.0

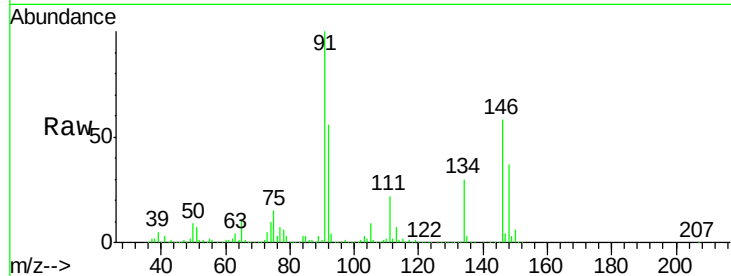
148 64.3 32.4 97.0

Manual Integrations

APPROVED

MMDadoda

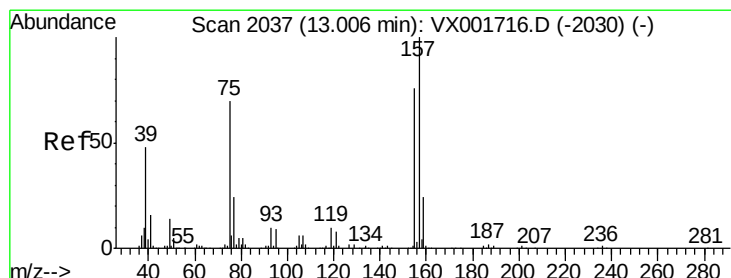
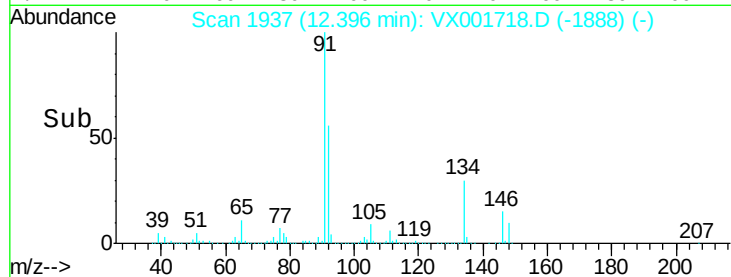
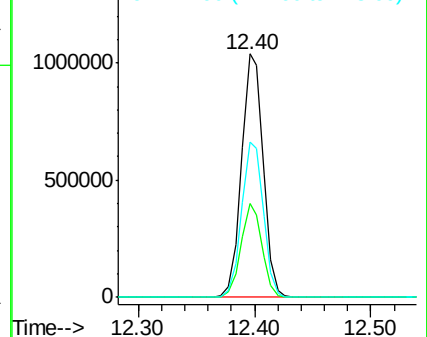
5/16/2018 11:54:09 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 160.62 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

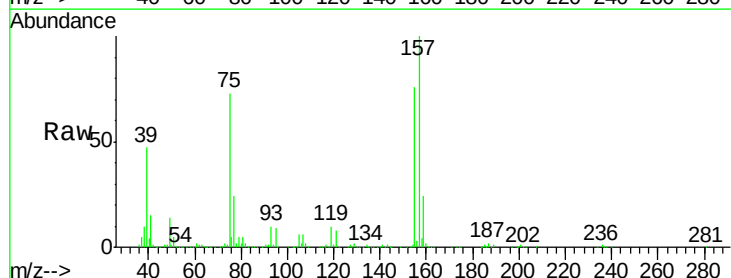
Tgt Ion: 75 Resp: 186728

Ion Ratio Lower Upper

75 100

155 111.3 53.9 161.8

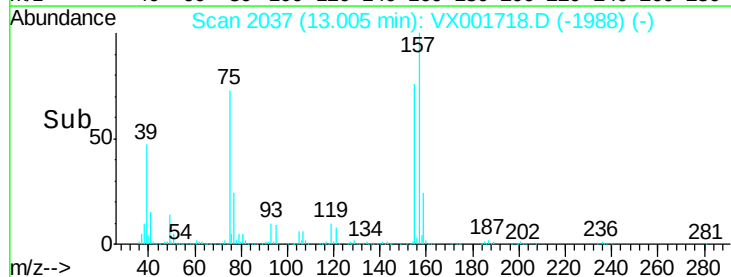
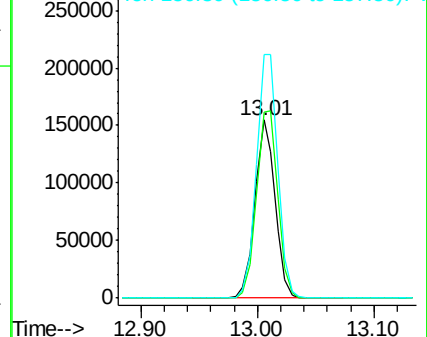
157 144.5 71.0 213.2

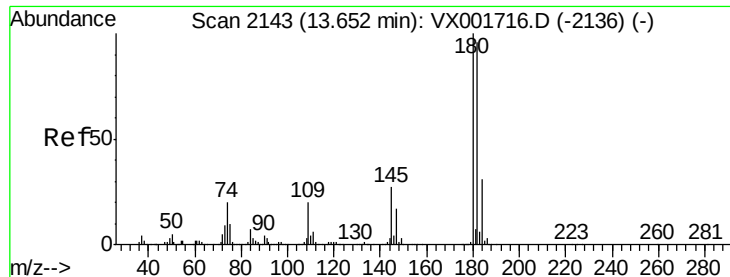


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





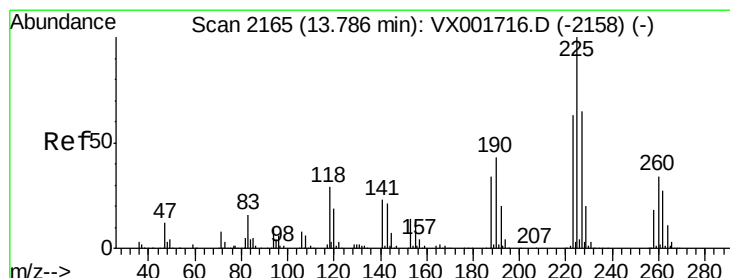
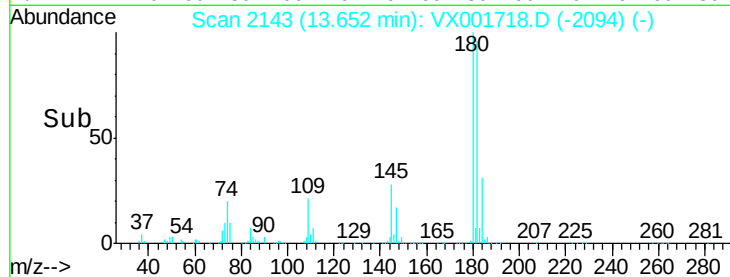
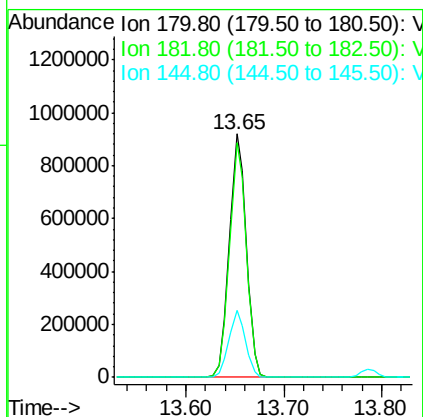
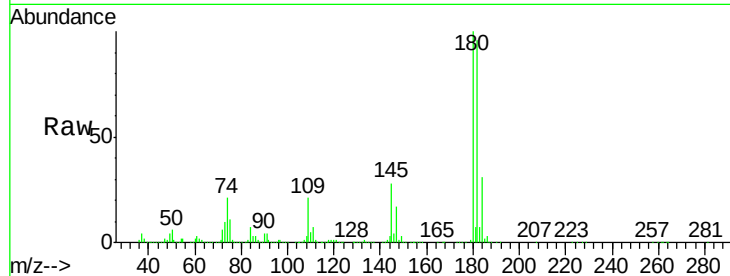
#93
 1,2,4-Trichlorobenzene
 Concen: 157.38 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001718.D
 Acq: 14 May 2018 19:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.6	142.9
145	26.8	13.4	40.1

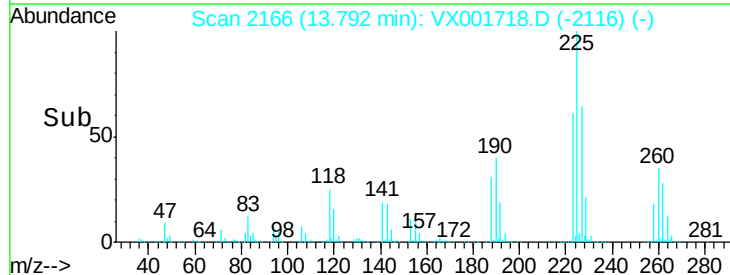
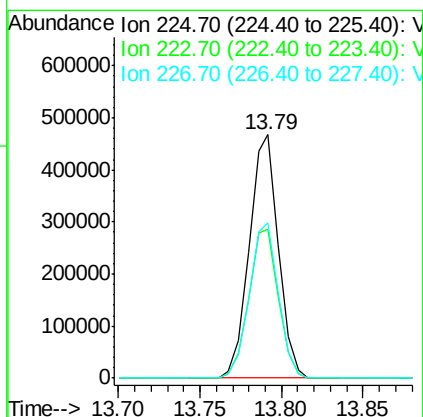
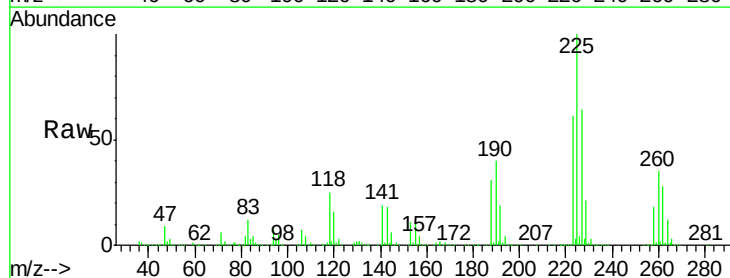
Manual Integrations
 APPROVED

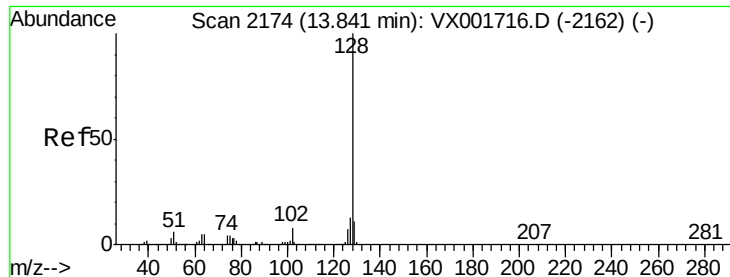
MMDadoda
 5/16/2018 11:54:09 AM



#94
 Hexachlorobutadiene
 Concen: 150.50 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VX001718.D
 Acq: 14 May 2018 19:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.1	93.5
227	63.8	31.9	95.5





#95

Naphthalene

Concen: 156.23 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 3022358

Ion Ratio Lower Upper

128 100

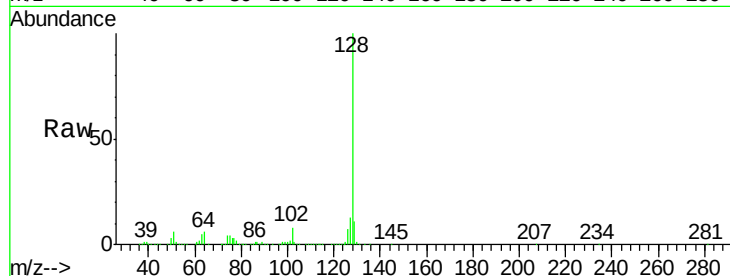
127 12.9 10.2 15.4

129 11.1 8.9 13.3

Manual Integrations
APPROVED

MMDadoda

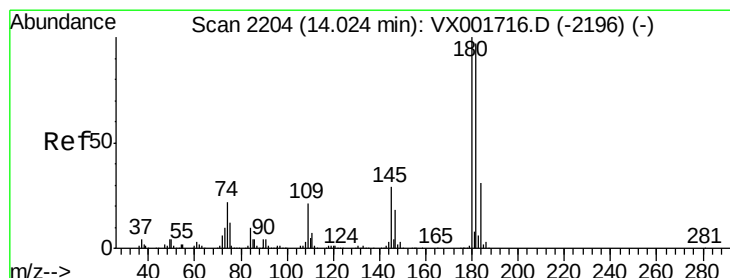
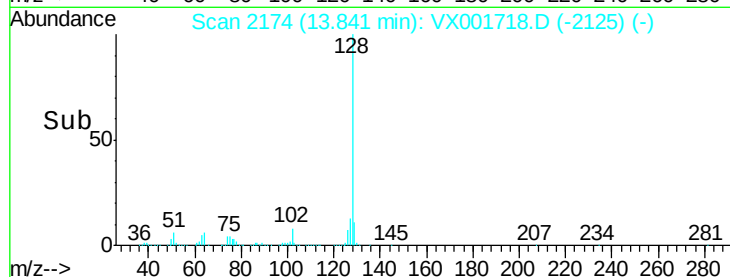
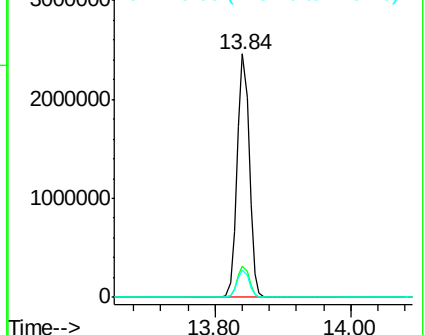
5/16/2018 11:54:09 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 152.37 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX001718.D

Acq: 14 May 2018 19:10

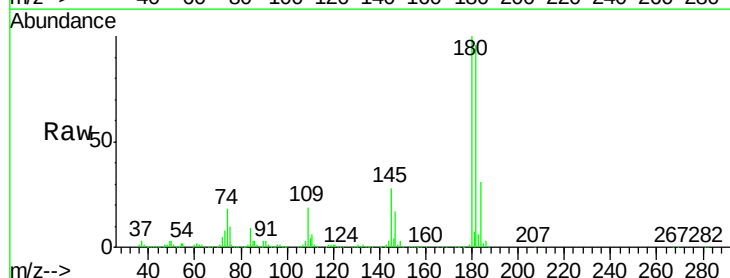
Tgt Ion:180 Resp: 1096160

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.7

145 28.4 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

