

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051718\
 Data File : VX001803.D
 Acq On : 17 May 2018 20:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 12:52:52 PM

Quant Time: May 18 04:59:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	294110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	385157	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	204139	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	184035	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
35) Dibromofluoromethane	5.51	113	162857	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	8.72	98	575159	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	11.14	95	191079	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	135353	45.86	ug/l	98
3) Chloromethane	1.32	50	156599	49.12	ug/l	100
4) Vinyl Chloride	1.40	62	168423	48.86	ug/l	100
5) Bromomethane	1.64	94	64630	44.18	ug/l	98
6) Chloroethane	1.72	64	109265	50.33	ug/l	99
7) Trichlorofluoromethane	1.92	101	236205	47.16	ug/l	99
8) Diethyl Ether	2.19	74	101732	49.34	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	143219	47.50	ug/l	99
10) Methyl Iodide	2.51	142	191367	68.98	ug/l	98
11) Tert butyl alcohol	3.09	59	194403	277.76	ug/l	100
12) 1,1-Dichloroethene	2.37	96	137358	47.25	ug/l	97
13) Acrolein	2.30	56	109054	219.69	ug/l	100
14) Allyl chloride	2.73	41	268296	49.93	ug/l	96
15) Acrylonitrile	3.15	53	467683	266.04	ug/l	100
16) Acetone	2.45	43	404396	261.18	ug/l	99
17) Carbon Disulfide	2.57	76	326189	43.02	ug/l	100
18) Methyl Acetate	2.78	43	258250	57.05	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	485971	49.60	ug/l	100
20) Methylene Chloride	2.86	84	157757	47.60	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	147034	45.91	ug/l	97
22) Diisopropyl ether	3.88	45	512907	49.76	ug/l	98
23) Vinyl Acetate	3.83	43	1723253	232.04	ug/l	99
24) 1,1-Dichloroethane	3.70	63	280381	49.60	ug/l	100
25) 2-Butanone	4.72	43	665037	280.54	ug/l	96
26) 2,2-Dichloropropane	4.59	77	190588	41.88	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	180906	49.64	ug/l	98
28) Bromochloromethane	5.03	49	141197	56.23	ug/l	98
29) Tetrahydrofuran	5.18	42	430534	278.62	ug/l	100
30) Chloroform	5.22	83	296171	49.88	ug/l	99
31) Cyclohexane	5.57	56	245851	49.62	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	256841	50.05	ug/l	99
36) 1,1-Dichloropropene	5.80	75	210214	47.41	ug/l	99
37) Ethyl Acetate	4.87	43	244829	52.99	ug/l	99
38) Carbon Tetrachloride	5.78	117	229662	49.45	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	256637	49.54	ug/l	99
40) Benzene	6.15	78	664773	50.89	ug/l	99
41) Methacrylonitrile	5.07	41	142981	53.51	ug/l	98
42) 1,2-Dichloroethane	6.21	62	226117	47.86	ug/l	98
43) Isopropyl Acetate	6.48	43	377026	52.13	ug/l	99
44) Trichloroethene	7.22	130	202656	49.98	ug/l	96
45) 1,2-Dichloropropane	7.53	63	166220	51.85	ug/l	98
46) Dibromomethane	7.67	93	113028	50.22	ug/l	99
47) Bromodichloromethane	7.90	83	218854	52.40	ug/l	98
48) Methyl methacrylate	7.79	41	202439	53.18	ug/l	97
49) 1,4-Dioxane	7.77	88	92218	1258.22	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	1278329	278.93	ug/l	98
52) Toluene	8.79	92	424914	50.62	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	254209	51.73	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	199668	46.09	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	155178	48.36	ug/l	99
56) Ethyl methacrylate	9.19	69	222979	49.00	ug/l	99
57) 1,3-Dichloropropane	9.38	76	251440	46.81	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	652782	278.89	ug/l	100
59) 2-Hexanone	9.51	43	865282	263.74	ug/l	99
60) Dibromochloromethane	9.59	129	166906	50.80	ug/l	99
61) 1,2-Dibromoethane	9.68	107	160312	47.73	ug/l	100
64) Tetrachloroethene	9.34	164	208692	51.40	ug/l	98
65) Chlorobenzene	10.15	112	429183	50.03	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	161463	53.29	ug/l	99
67) Ethyl Benzene	10.26	91	700643	51.11	ug/l	99
68) m/p-Xylenes	10.37	106	564537	104.37	ug/l	100
69) o-Xylene	10.71	106	273863	52.87	ug/l	99
70) Styrene	10.72	104	456399	53.42	ug/l	99
71) Bromoform	10.87	173	136304	48.44	ug/l	98
73) Isopropylbenzene	11.02	105	729984	54.30	ug/l	100
74) N-amyl acetate	6.48	43	377026	58.50	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	217445	53.92	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	210135m	54.13	ug/l	
77) Bromobenzene	11.26	156	207724	52.58	ug/l	99
78) n-propylbenzene	11.37	91	802526	52.99	ug/l	100
79) 2-Chlorotoluene	11.43	91	479174	52.90	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	606086	54.95	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	60522	46.70	ug/l	97
82) 4-Chlorotoluene	11.52	91	550475	51.58	ug/l	99
83) tert-Butylbenzene	11.77	119	596876	54.38	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	627268	54.92	ug/l	100
85) sec-Butylbenzene	11.95	105	733380	54.13	ug/l	100
86) p-Isopropyltoluene	12.07	119	669845	53.43	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	370252	50.68	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	370285	49.02	ug/l	100
89) n-Butylbenzene	12.40	91	539860	49.79	ug/l	100
90) Hexachloroethane	12.60	117	108655	55.81	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	381296	52.38	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	50369	58.52	ug/l	98

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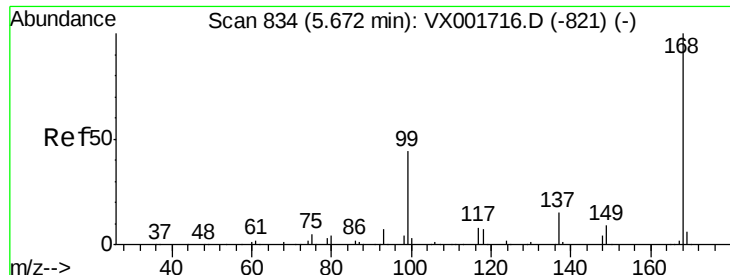
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	283539	48.87	ug/l	99
94) Hexachlorobutadiene	13.79	225	152655	49.01	ug/l	98
95) Naphthalene	13.84	128	831355	55.12	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	295671	50.61	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: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 294110

Ion Ratio Lower Upper

168 100

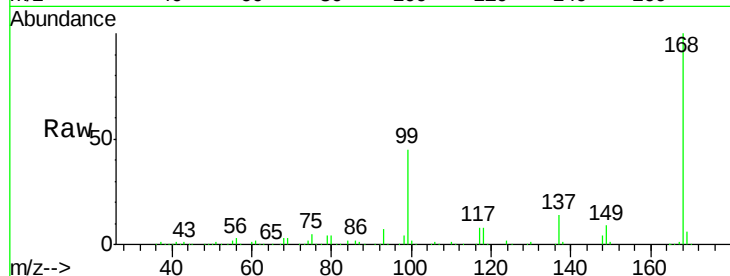
99 45.1 35.0 52.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

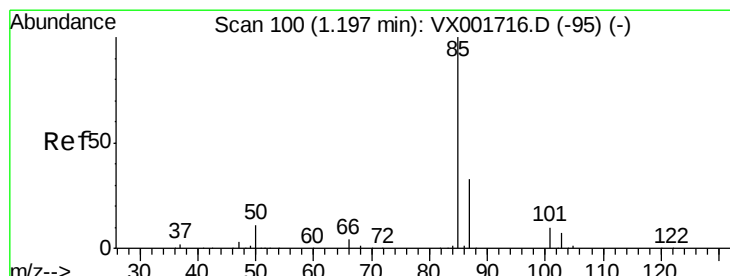
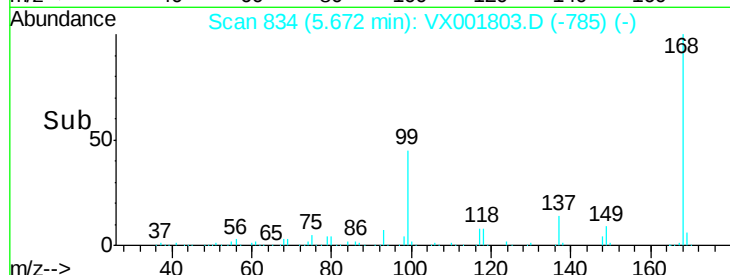
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.86 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001803.D

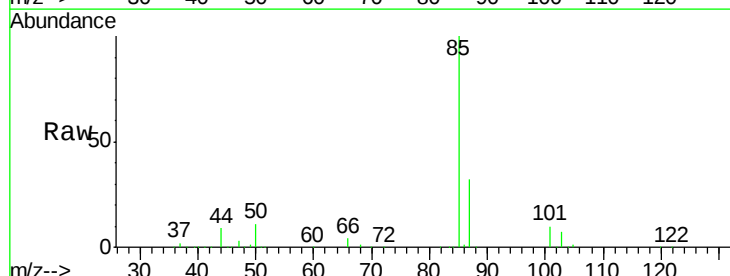
Acq: 17 May 2018 20:54

Tgt Ion: 85 Resp: 135353

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

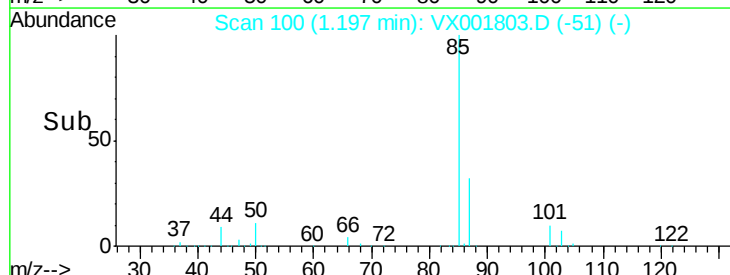
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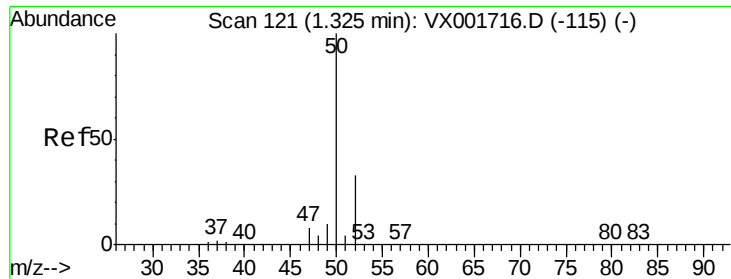
100000

50000

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Time-->





#3

Chloromethane

Concen: 49.12 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 156599

Ion Ratio Lower Upper

50 100

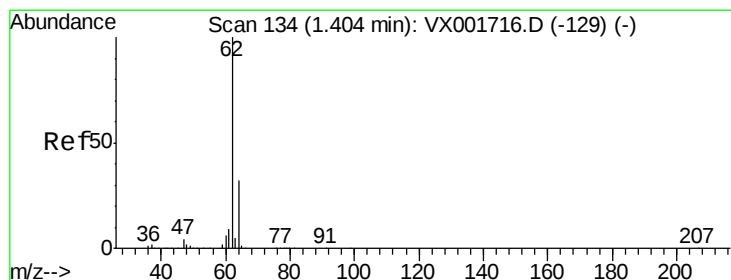
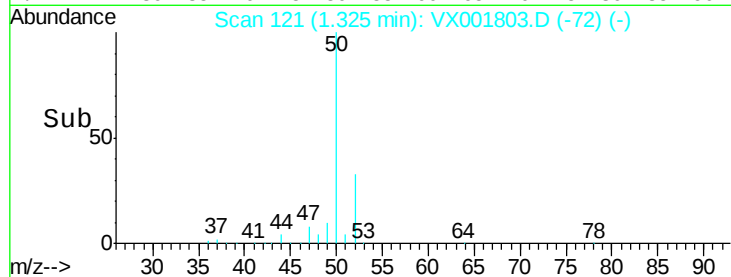
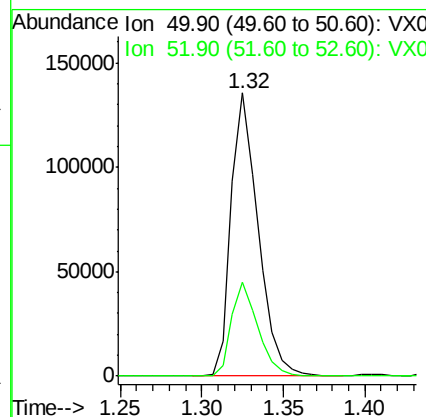
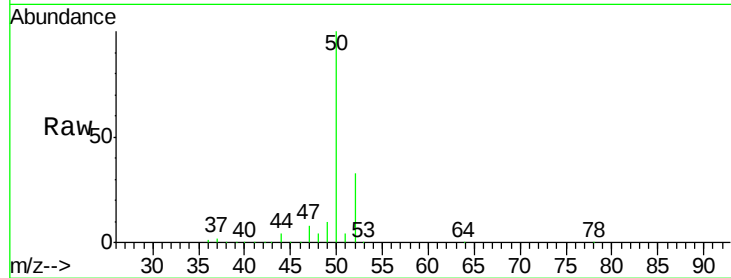
52 33.1 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.86 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001803.D

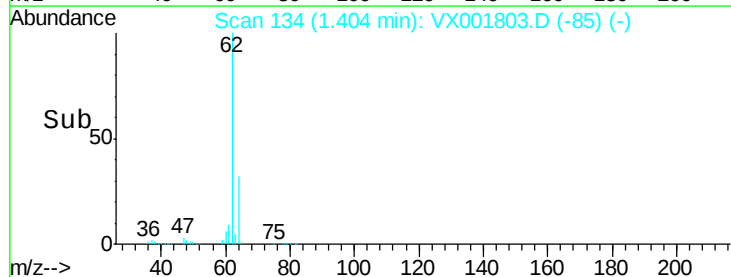
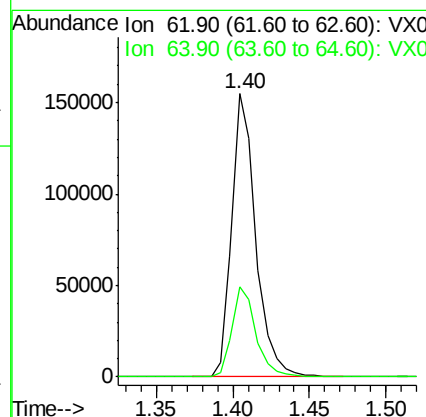
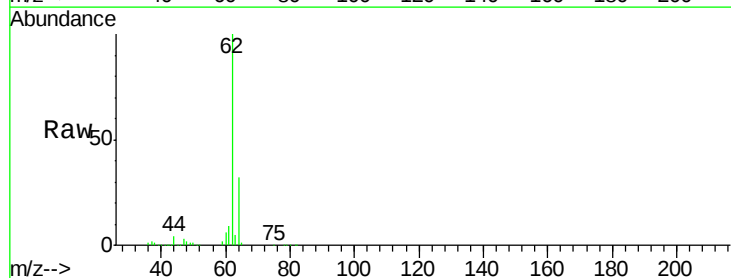
Acq: 17 May 2018 20:54

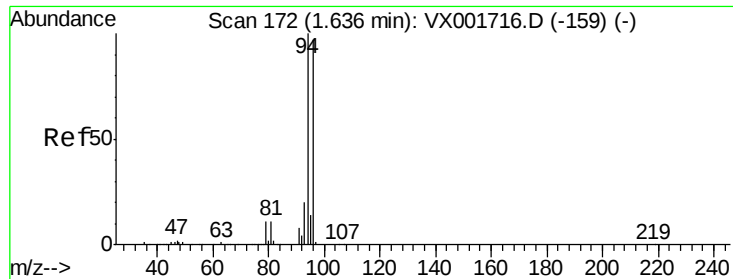
Tgt Ion: 62 Resp: 168423

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 44.18 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 64630

Ion Ratio Lower Upper

94 100

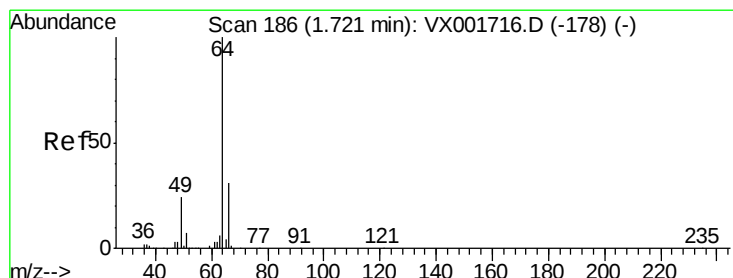
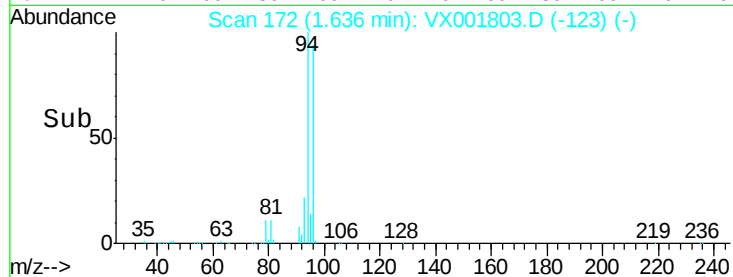
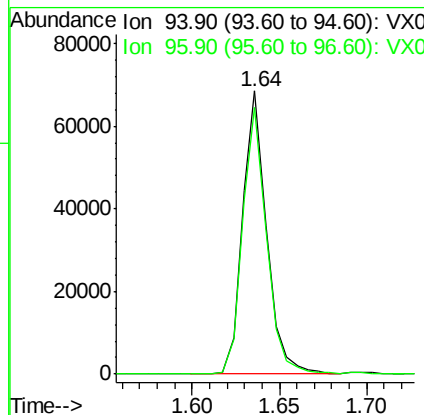
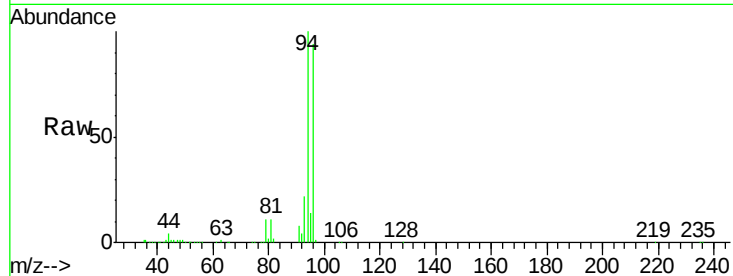
96 94.4 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 50.33 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX001803.D

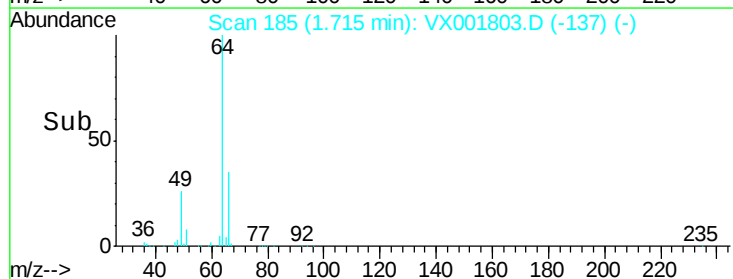
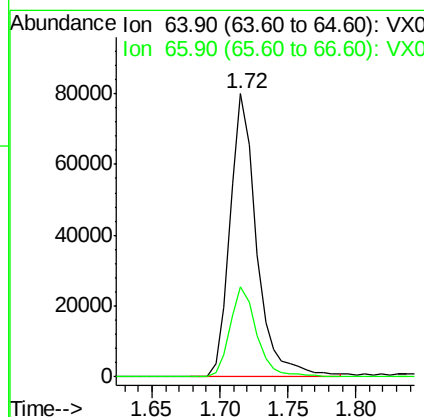
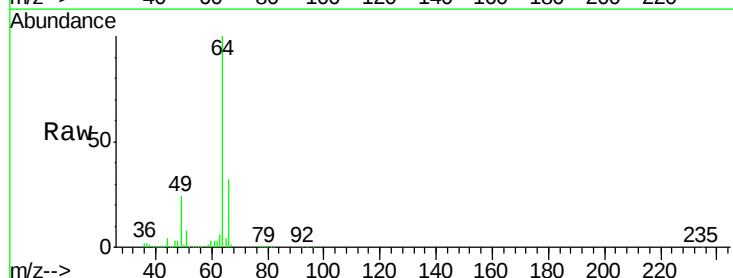
Acq: 17 May 2018 20:54

Tgt Ion: 64 Resp: 109265

Ion Ratio Lower Upper

64 100

66 31.9 25.2 37.8





#7

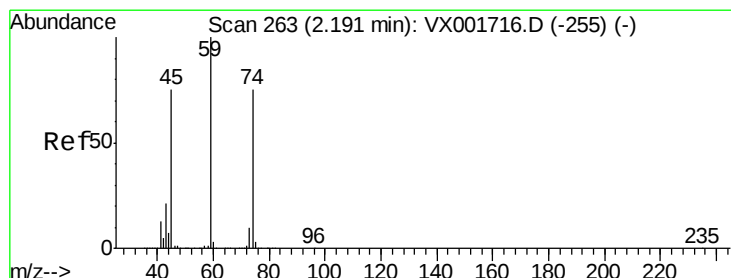
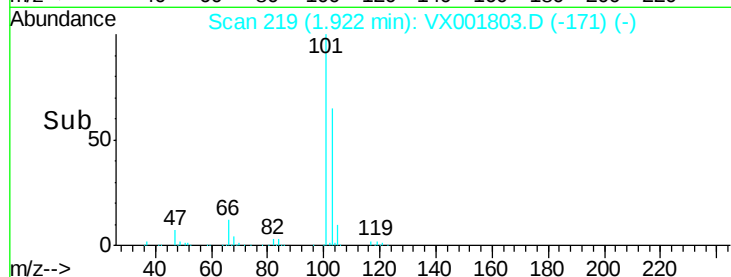
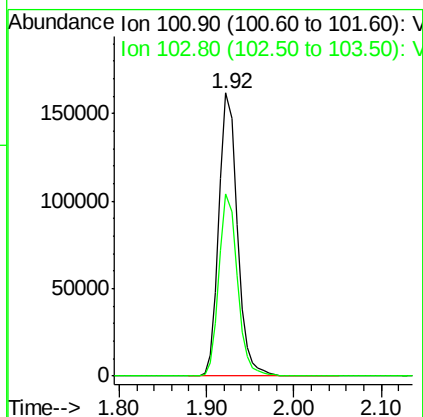
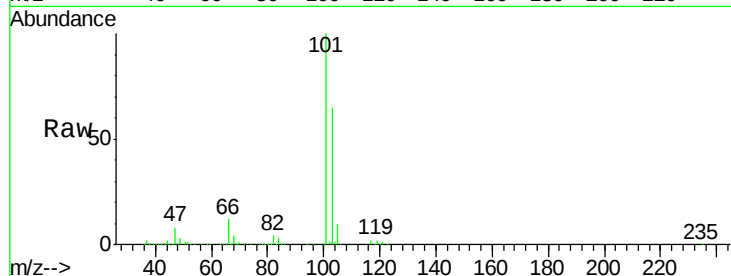
Trichlorofluoromethane
Concen: 47.16 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX001803.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	236205		
103	64.6	52.6	78.8	

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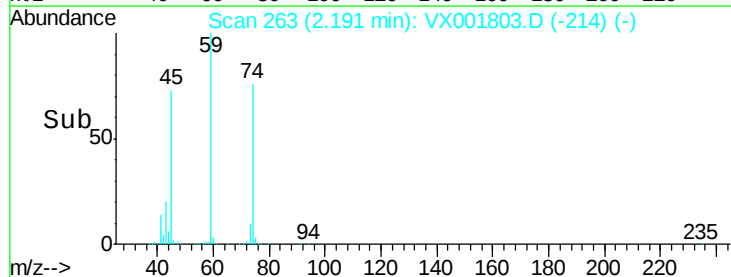
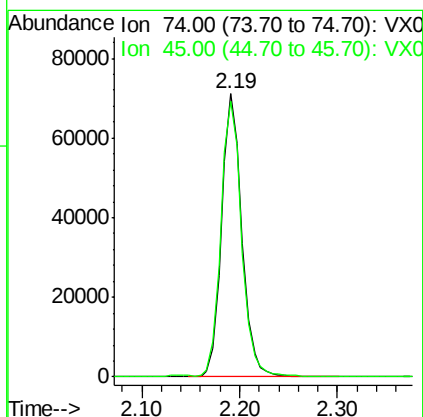
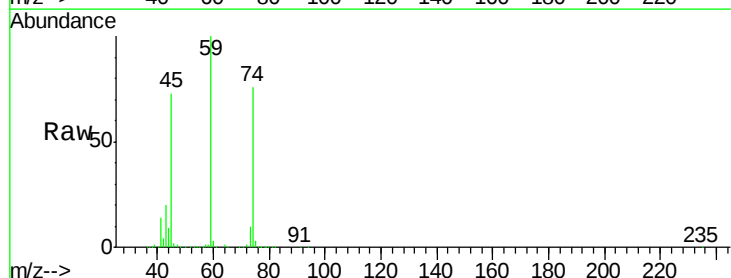
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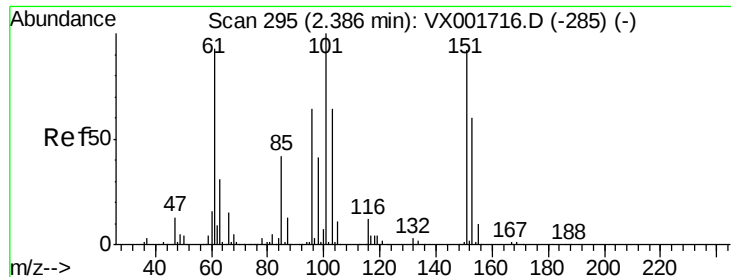


#8

Diethyl Ether
Concen: 49.34 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	101732		
45	99.0	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.50 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

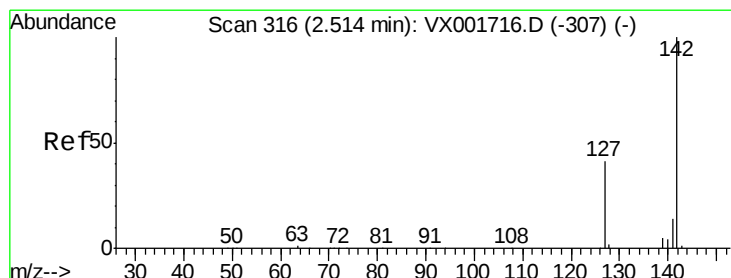
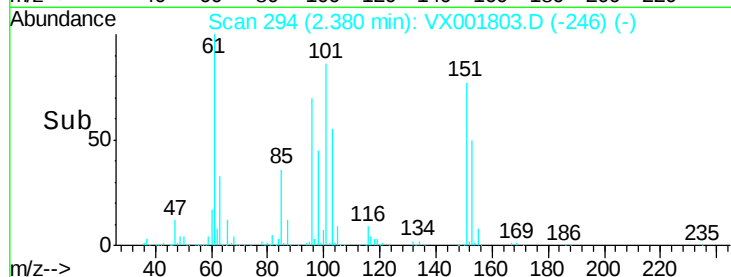
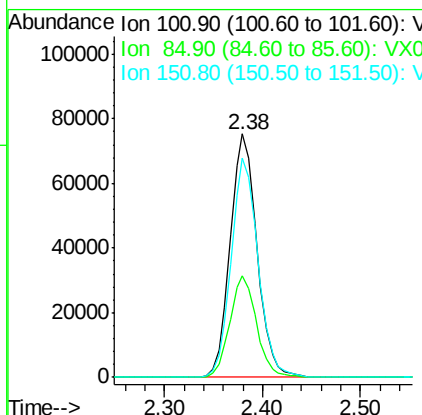
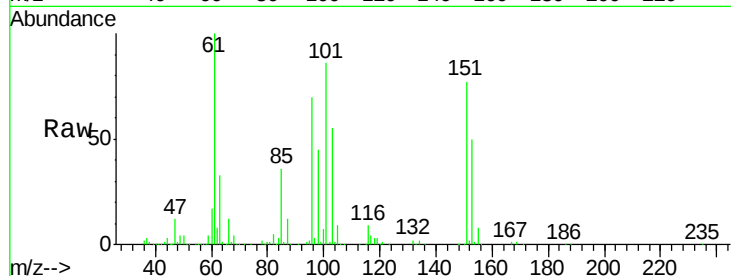
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	143219
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.7	50.5
151	90.7	73.0	109.6

Manual Integrations
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#10

Methyl Iodide

Concen: 68.98 ug/l

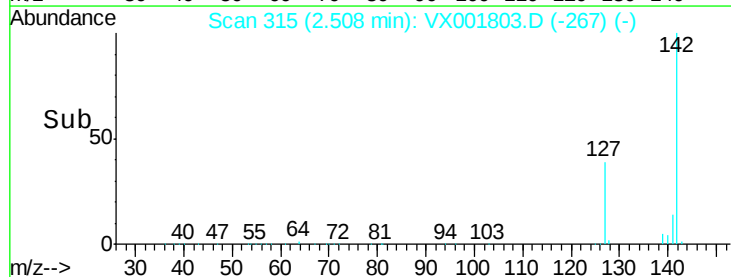
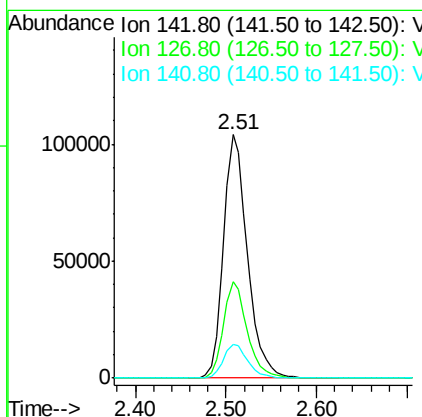
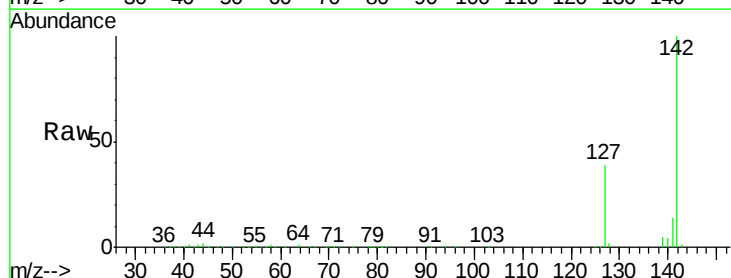
RT: 2.51 min Scan# 315

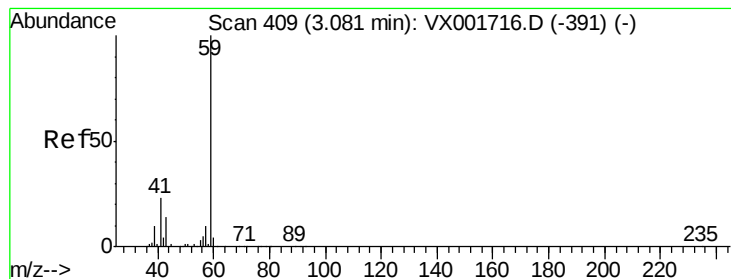
Delta R.T. -0.01 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Tgt Ion:	142	Resp:	191367
Ion Ratio	Lower	Upper	
142	100		
127	39.1	32.5	48.7
141	14.2	11.4	17.0





#11

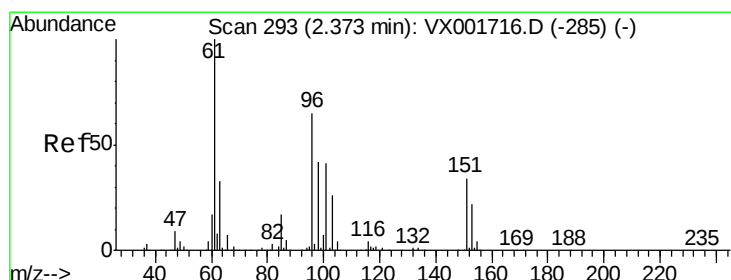
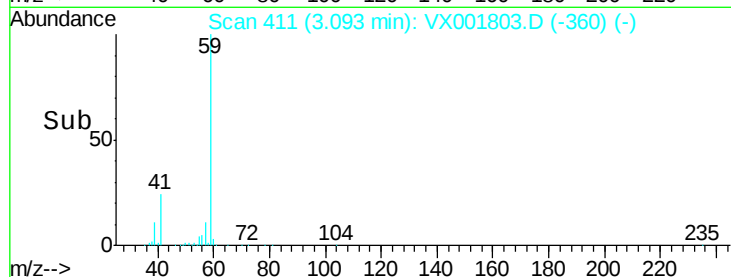
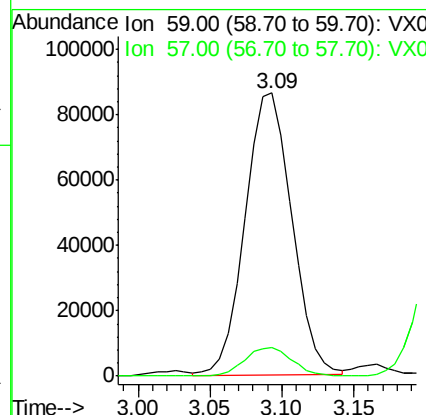
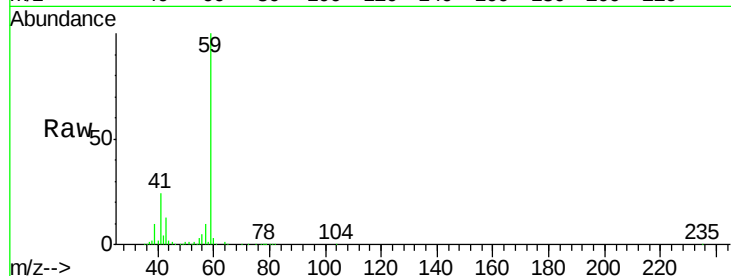
Tert butyl alcohol
 Concen: 277.76 ug/l
 RT: 3.09 min Scan# 411
 Delta R.T. 0.01 min
 Lab File: VX001803.D
 Acq: 17 May 2018 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

Manual Integrations
 APPROVED

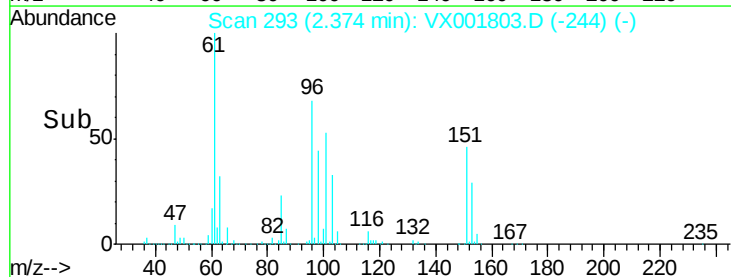
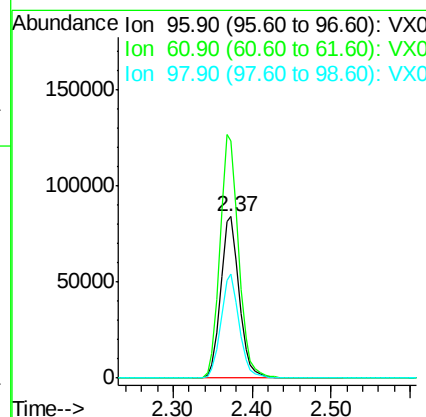
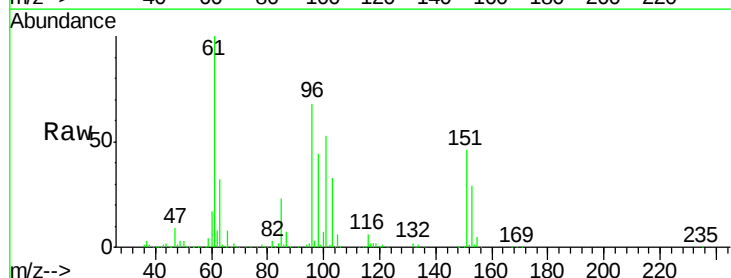
MMDadoda
 5/21/2018 12:52:52 PM

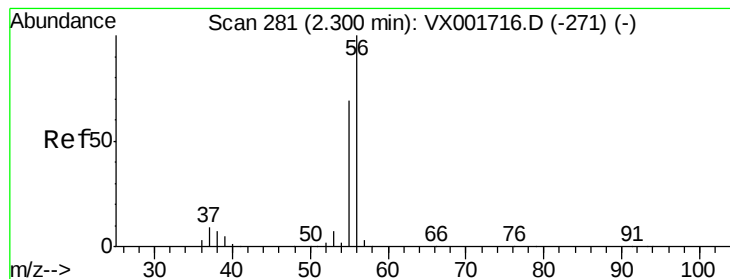


#12

1,1-Dichloroethene
 Concen: 47.25 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX001803.D
 Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.1	122.2	183.2
98	64.3	51.4	77.0





#13

Acrolein

Concen: 219.69 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 109054

Ion Ratio Lower Upper

56 100

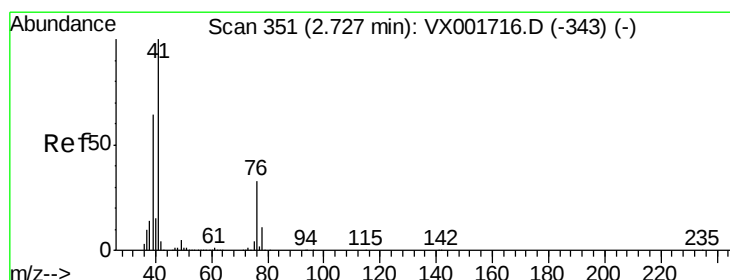
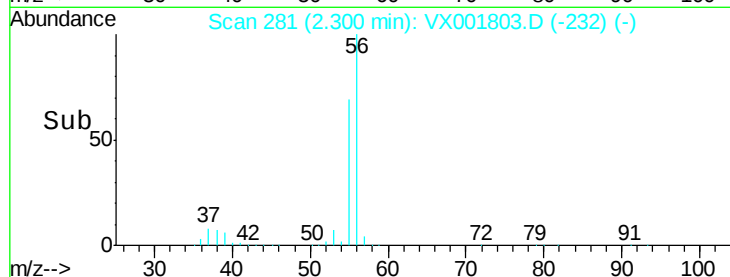
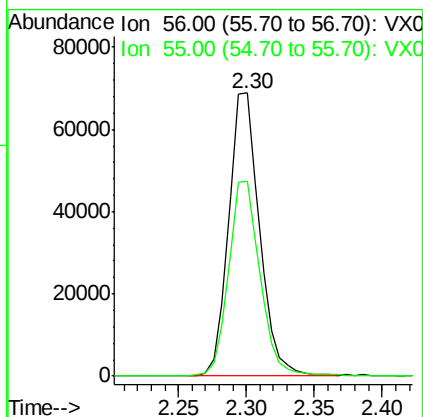
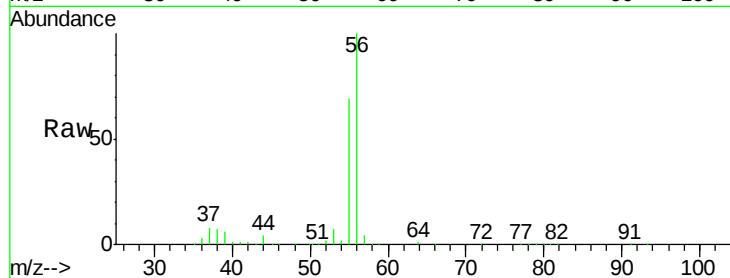
55 70.0 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 49.93 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

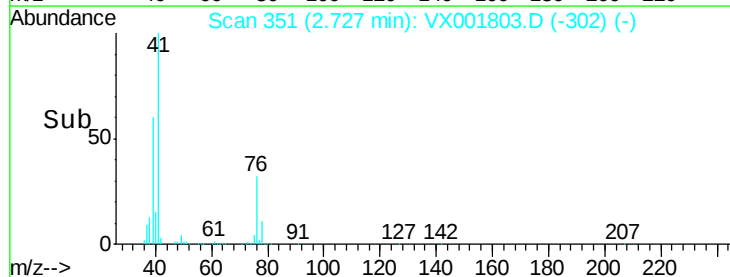
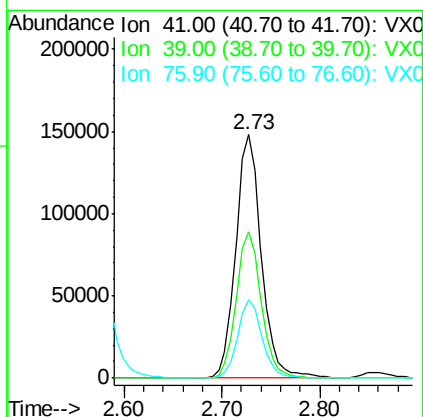
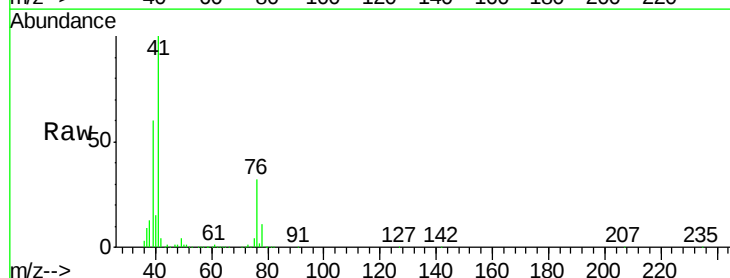
Tgt Ion: 41 Resp: 268296

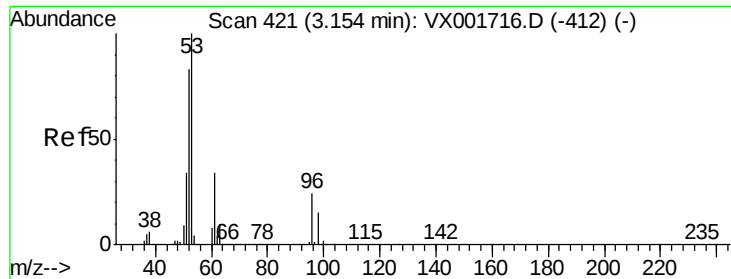
Ion Ratio Lower Upper

41 100

39 58.7 49.8 74.6

76 30.9 25.8 38.8





#15

Acrylonitrile

Concen: 266.04 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

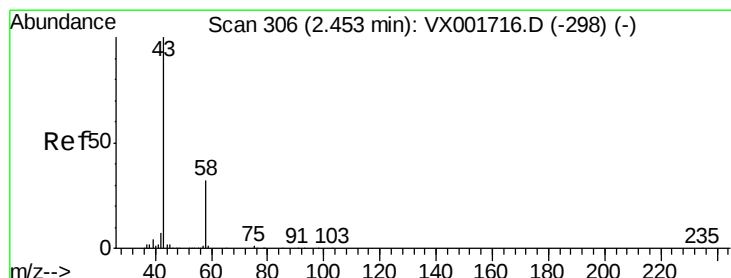
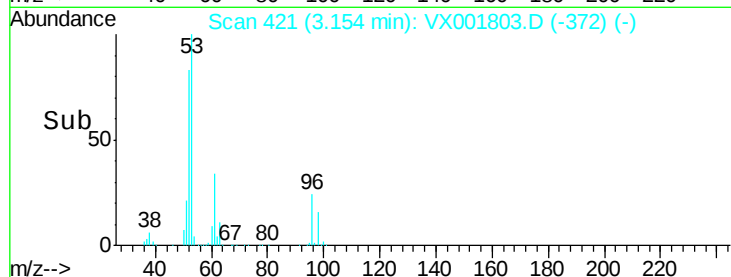
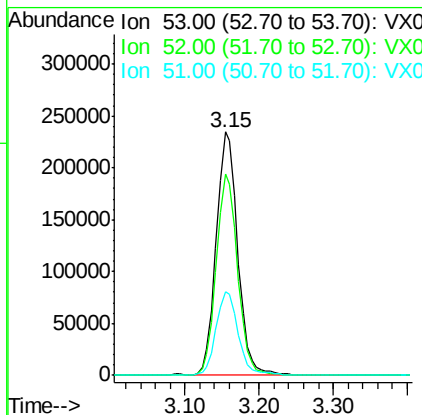
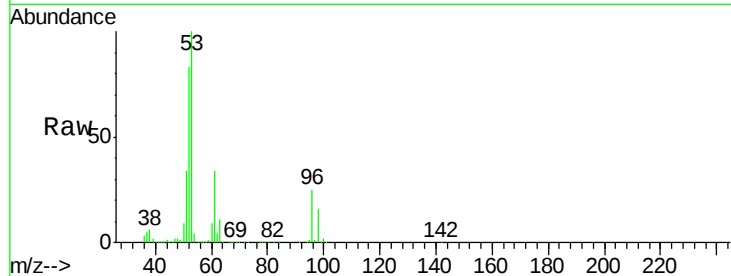
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	467683
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.6	98.4
51	35.1	28.1	42.1

Manual Integrations
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5/21/2018 12:52:52 PM



#16

Acetone

Concen: 261.18 ug/l

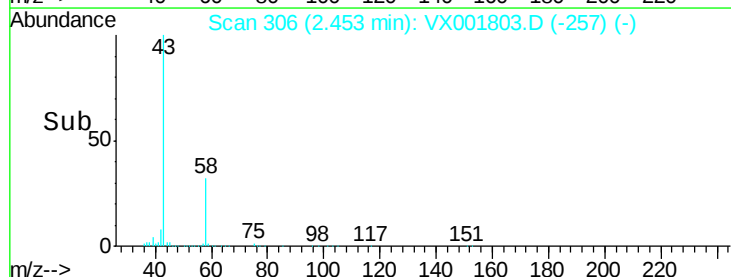
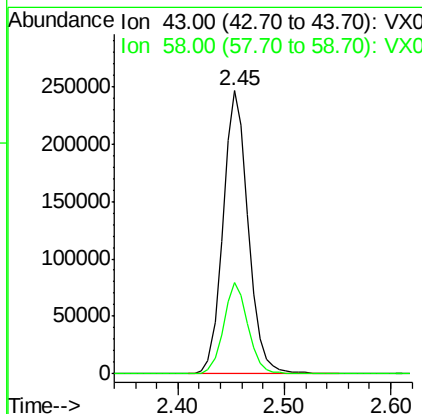
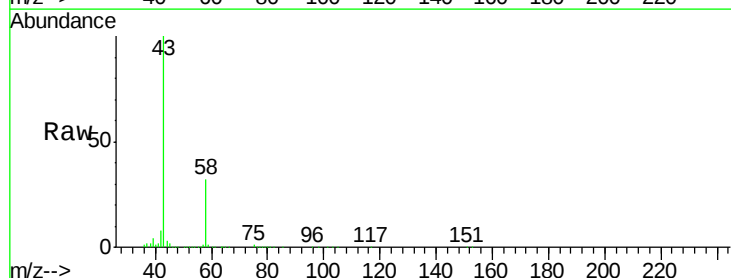
RT: 2.45 min Scan# 306

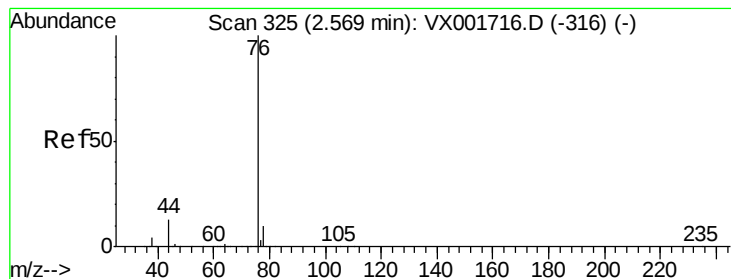
Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Tgt Ion:	43	Resp:	404396
Ion Ratio	Lower	Upper	
43	100		
58	32.1	25.3	37.9





#17

Carbon Disulfide

Concen: 43.02 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 326189

Ion Ratio Lower Upper

76 100

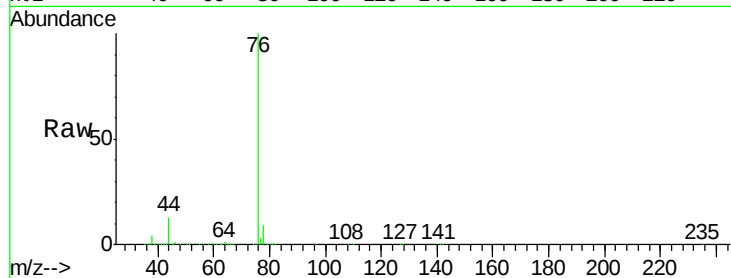
78 9.4 7.6 11.4

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

2.57

200000

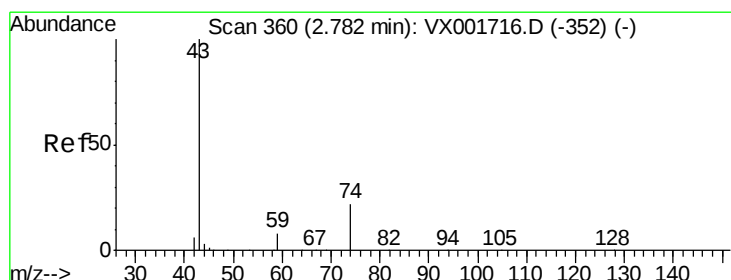
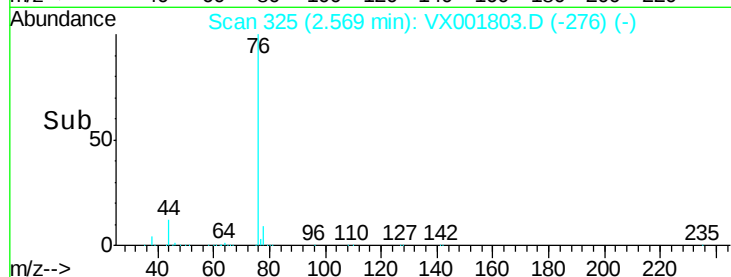
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 57.05 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001803.D

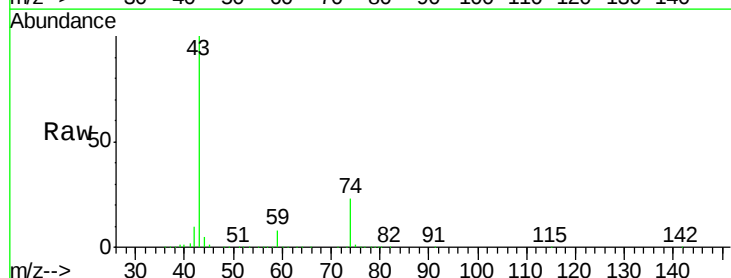
Acq: 17 May 2018 20:54

Tgt Ion: 43 Resp: 258250

Ion Ratio Lower Upper

43 100

74 22.5 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

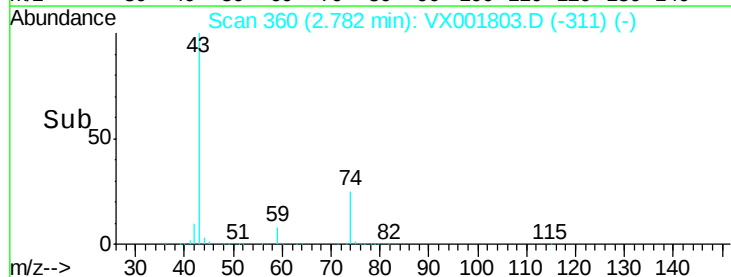
150000

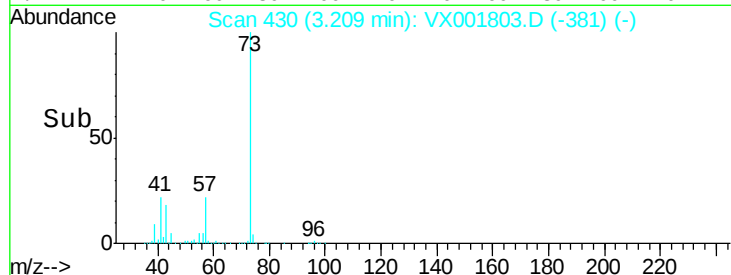
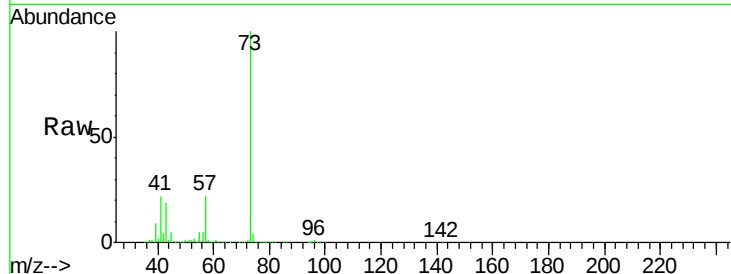
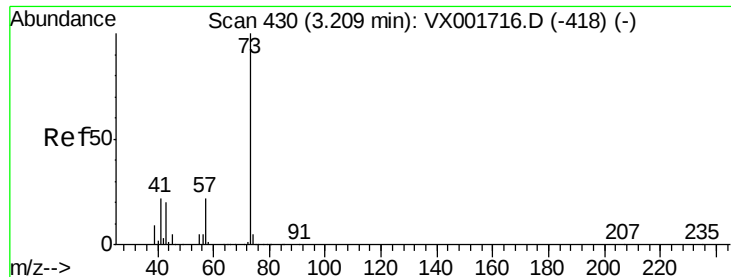
100000

50000

0

Time-->





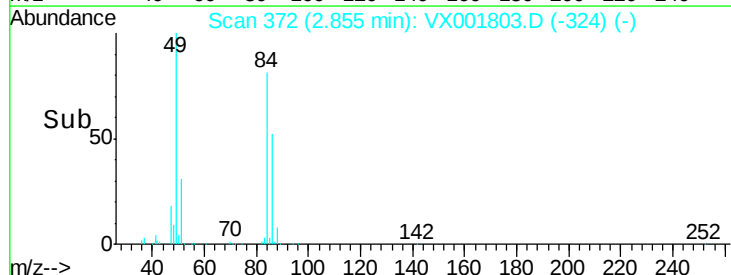
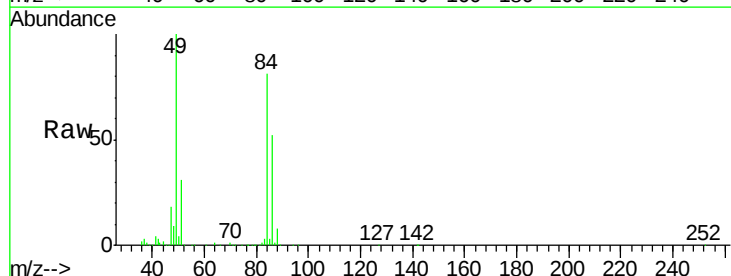
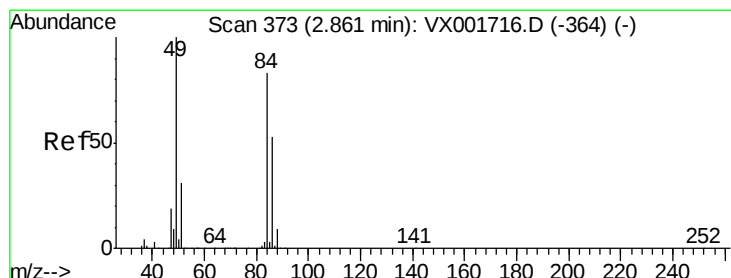
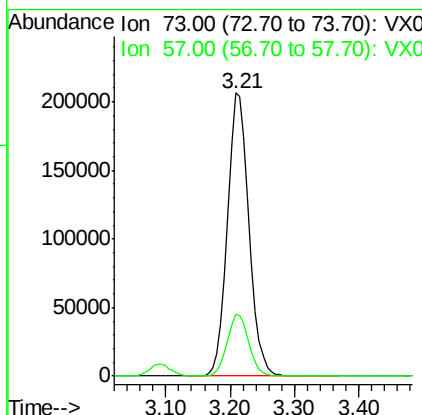
#19
Methvl tert-butvl Ether
Concen: 49.60 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.5	26.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

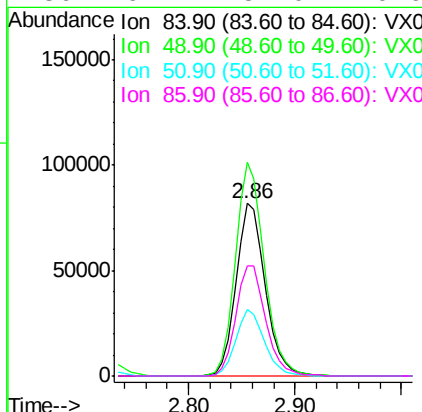
Manual Integrations
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5/21/2018 12:52:52 PM



#20
Methylene Chloride
Concen: 47.60 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.0	96.3	144.5
51	38.8	29.8	44.6
86	64.1	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 45.91 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

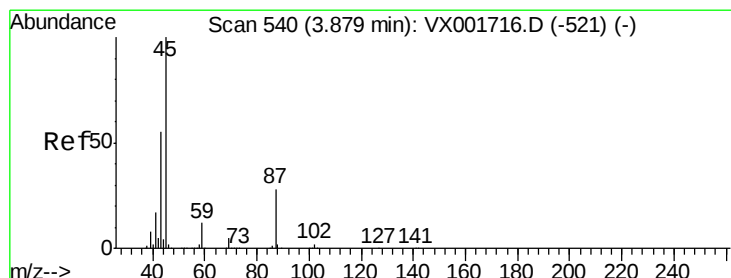
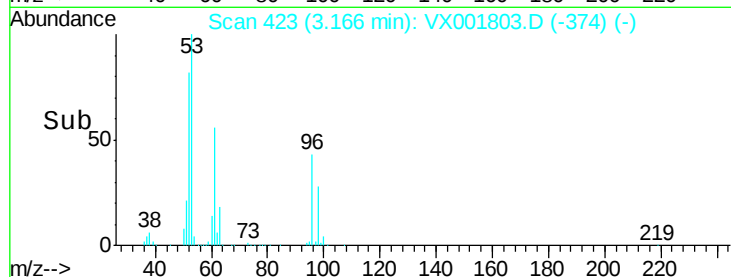
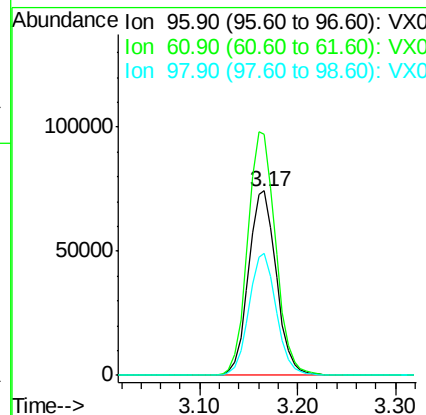
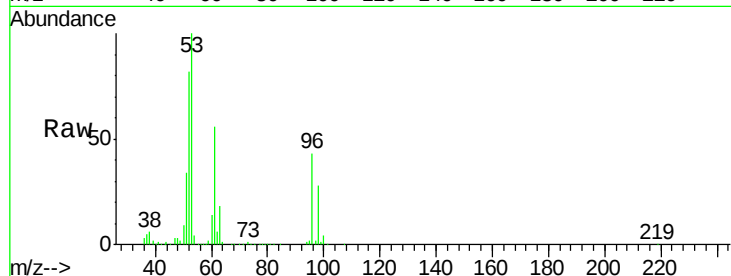
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	147034
Ion	Ratio	Lower	Upper
96	100		
61	130.0	105.8	158.8
98	66.1	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.76 ug/l

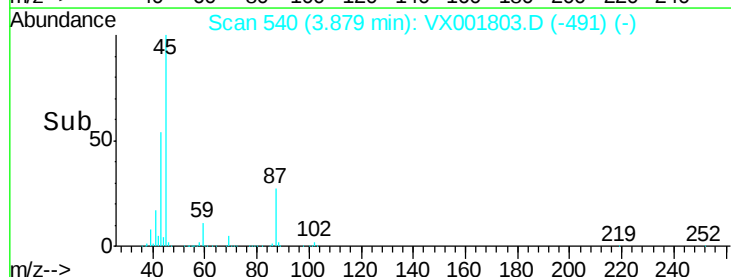
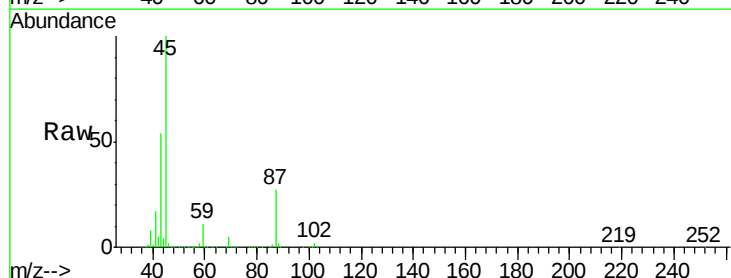
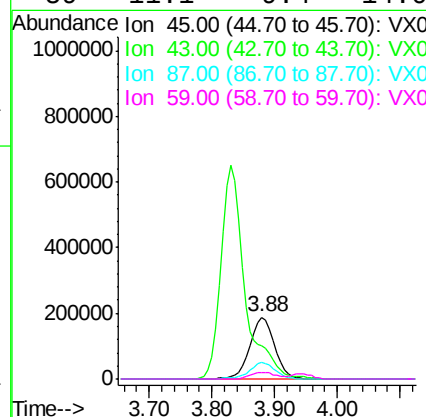
RT: 3.88 min Scan# 540

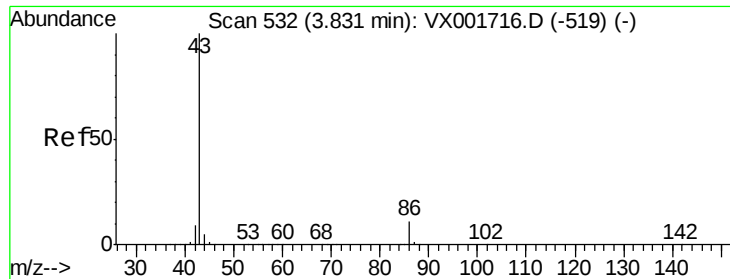
Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Tgt Ion:	45	Resp:	512907
Ion	Ratio	Lower	Upper
45	100		
43	53.7	44.3	66.5
87	26.9	22.6	33.8
59	11.1	9.4	14.0





#23

Vinyl Acetate

Concen: 232.04 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1723253

Ion Ratio Lower Upper

43 100

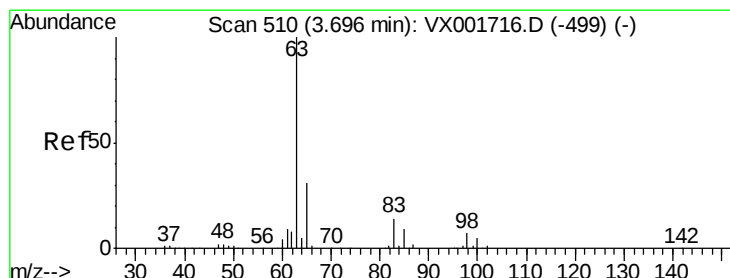
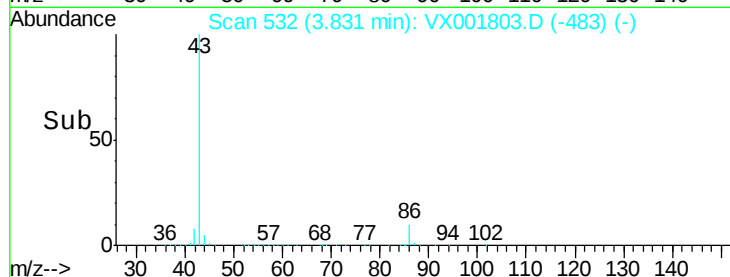
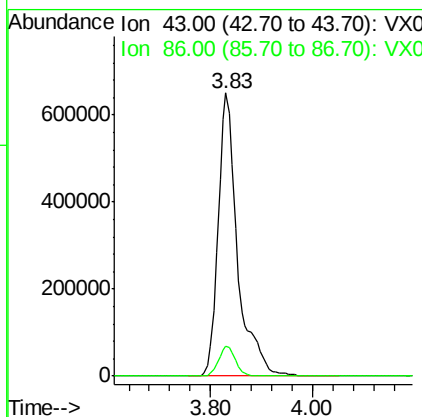
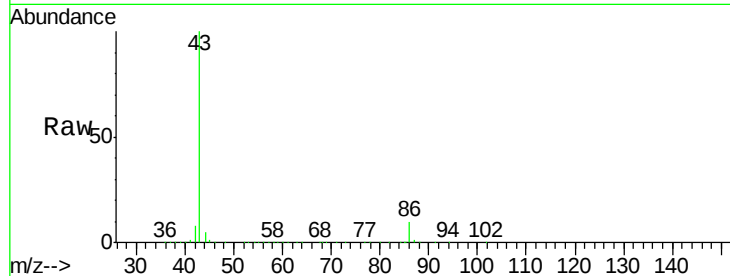
86 10.4 8.7 13.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.60 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

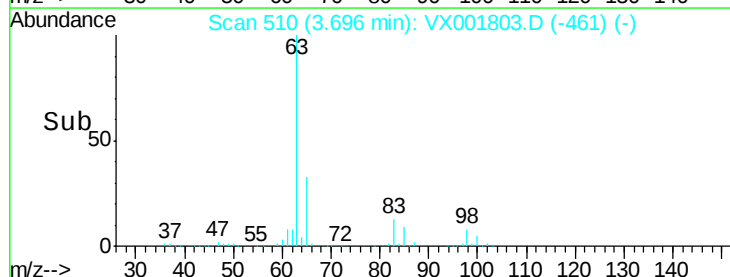
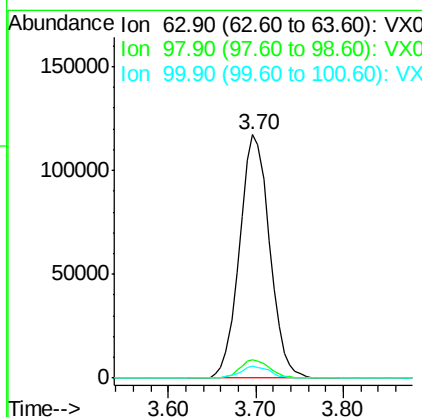
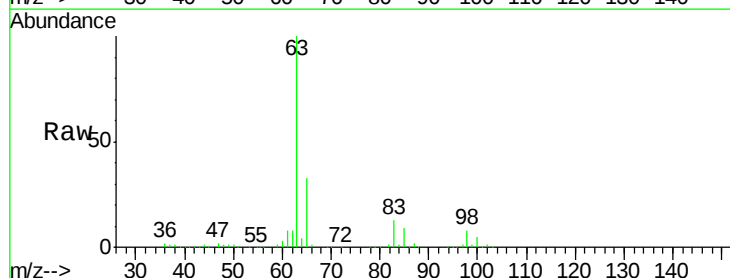
Tgt Ion: 63 Resp: 280381

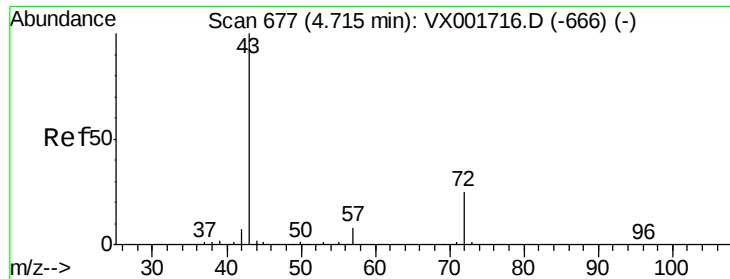
Ion Ratio Lower Upper

63 100

98 7.5 3.7 11.1

100 4.9 2.4 7.2





#25

2-Butanone

Concen: 280.54 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Tot Ion: 43 Resp: 665037

Ion Ratio Lower Upper

43 100

72 26.9 19.8 29.6

Instrument :

MSVOA_X

ClientSampleId :

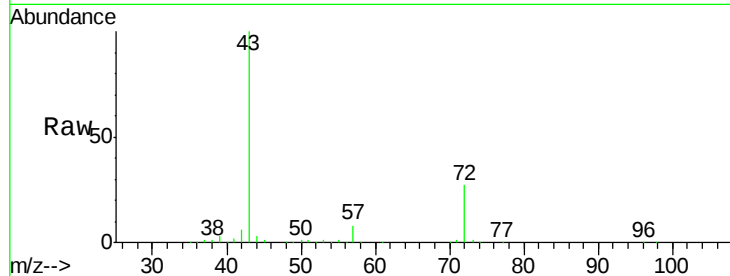
VSTDCCC050EC

Manual Integrations

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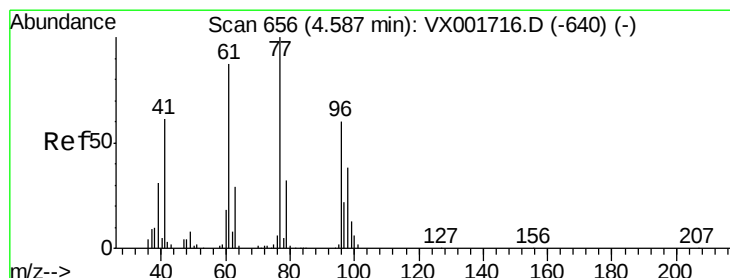
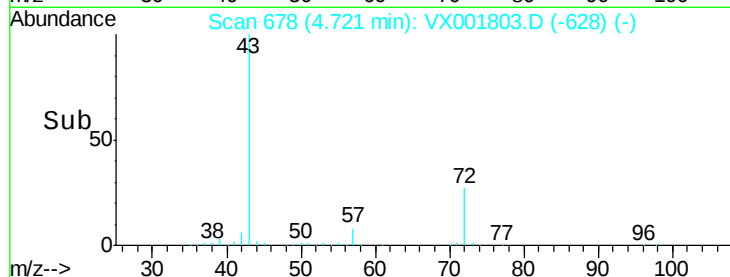
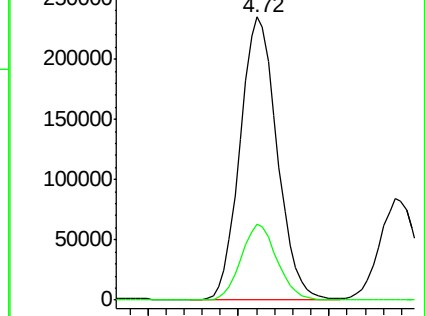
MMDadoda

5/21/2018 12:52:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 41.88 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001803.D

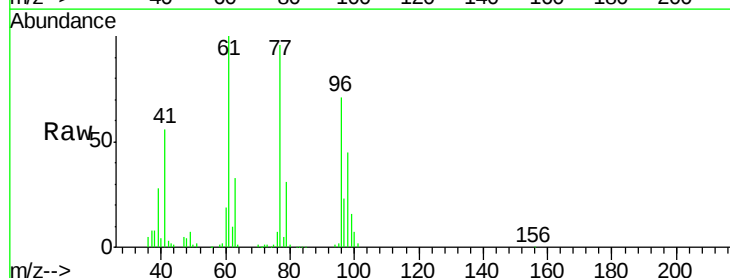
Acq: 17 May 2018 20:54

Tgt Ion: 77 Resp: 190588

Ion Ratio Lower Upper

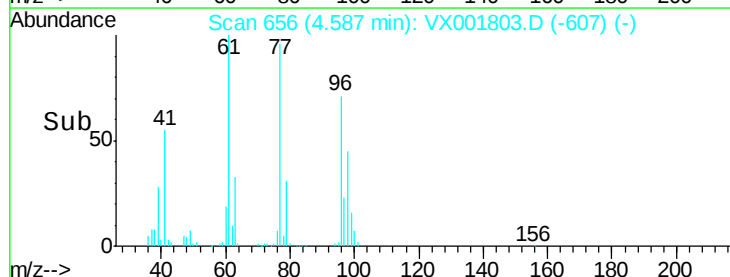
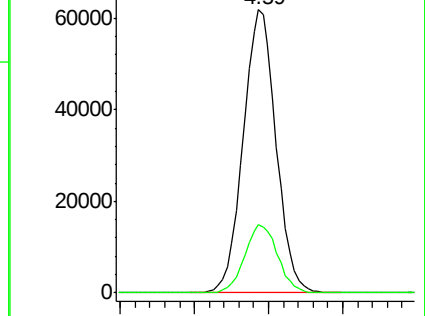
77 100

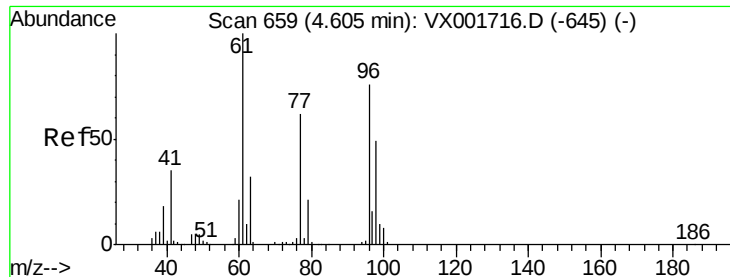
97 24.3 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

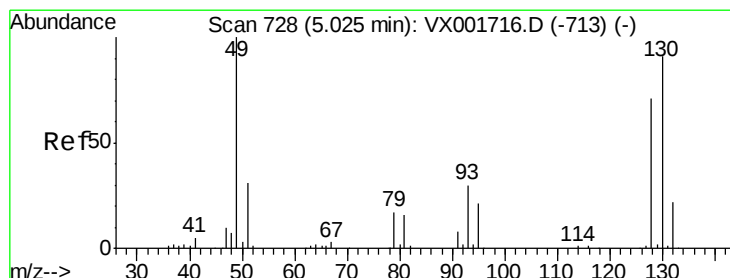
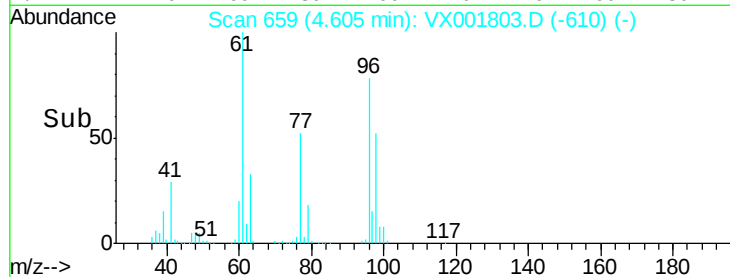
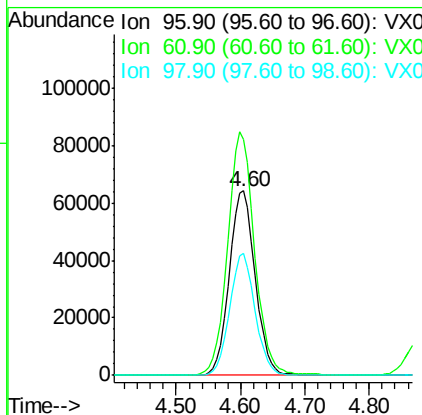
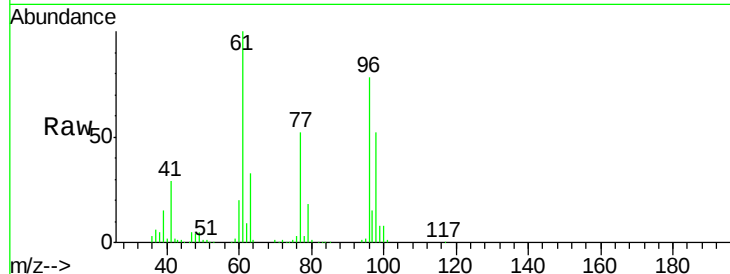
cis-1,2-Dichloroethene
Concen: 49.64 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	180906		
61	136.9	0.0	280.4	
98	65.1	0.0	128.4	

Manual Integrations
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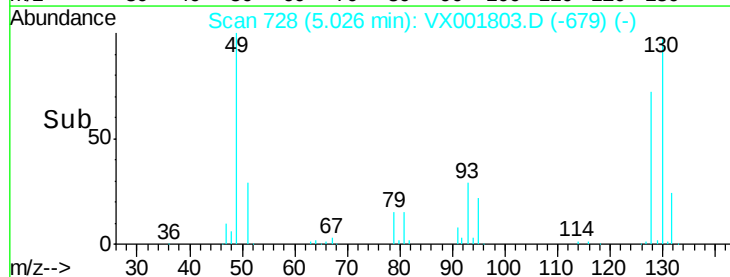
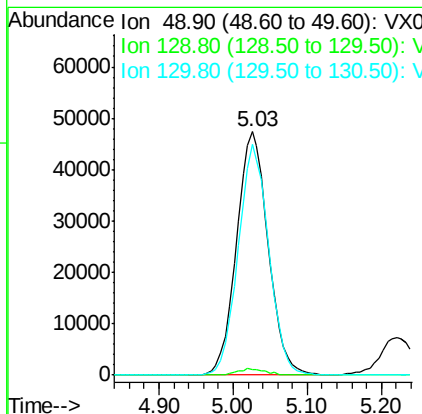
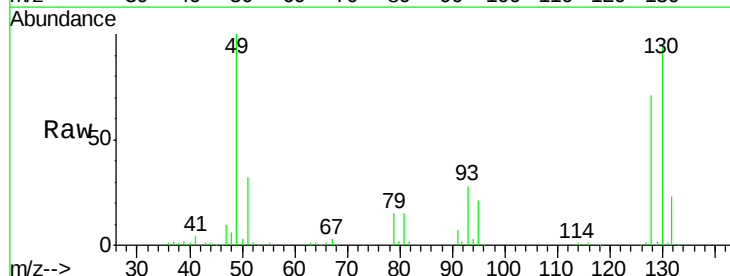
MMDadoda
5/21/2018 12:52:52 PM

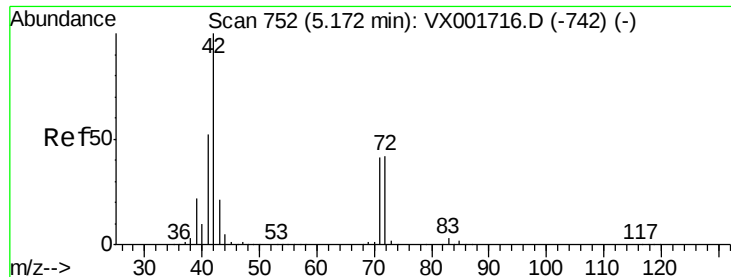


#28

Bromochloromethane
Concen: 56.23 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	141197		
129	2.4	0.0	5.0	
130	91.7	71.8	107.6	





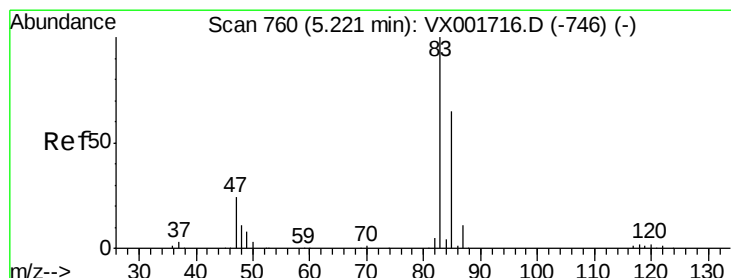
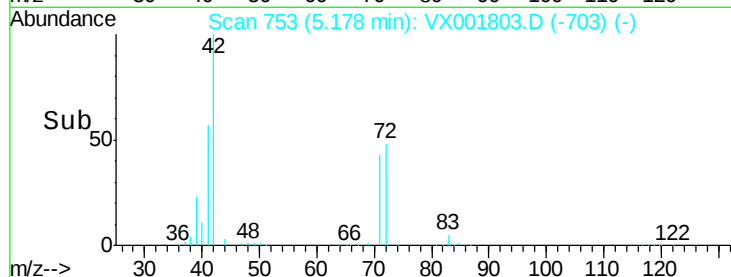
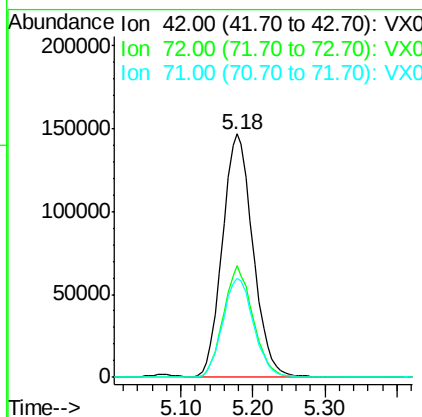
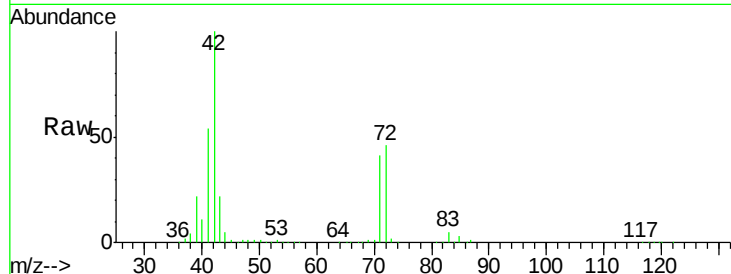
#29
Tetrahydrofuran
Concen: 278.62 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.4	53.2
71	41.4	33.2	49.8

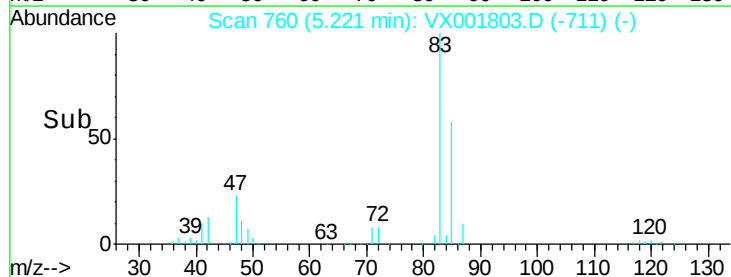
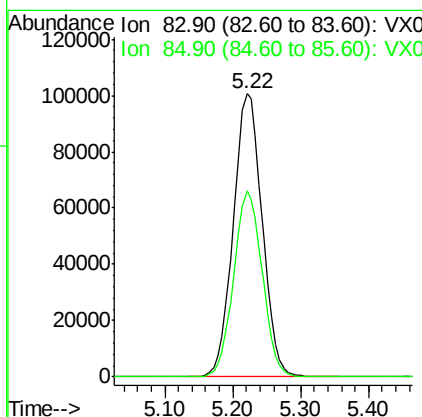
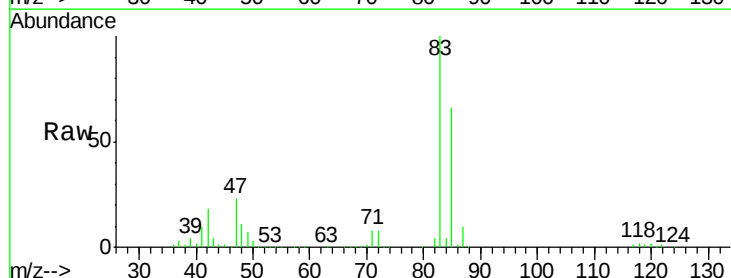
Manual Integrations
APPROVED

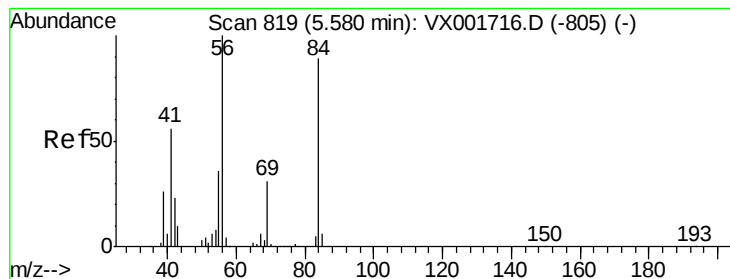
MMDadoda
5/21/2018 12:52:52 PM



#30
Chloroform
Concen: 49.88 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.3	78.5





#31

Cyclohexane

Concen: 49.62 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

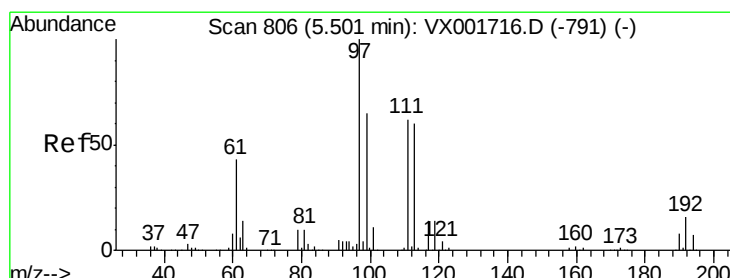
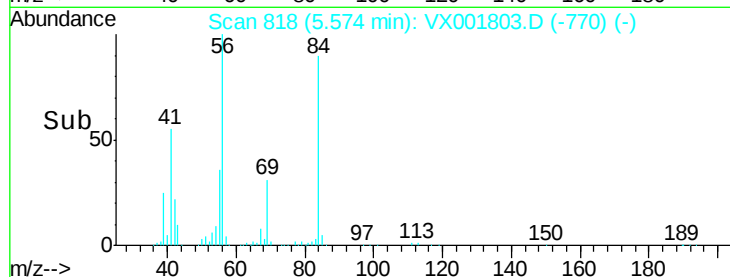
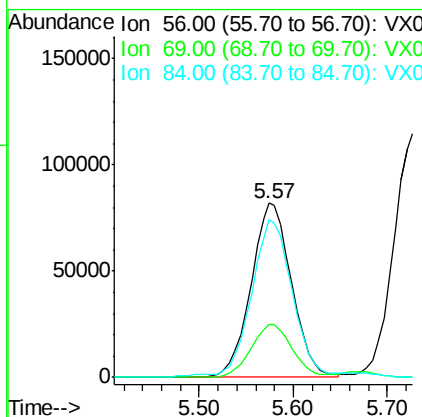
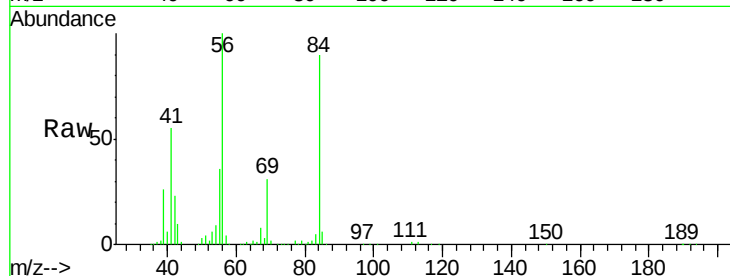
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	245851
Ion Ratio	Lower	Upper	
56	100		
69	30.5	25.0	37.6
84	89.0	71.0	106.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.05 ug/l

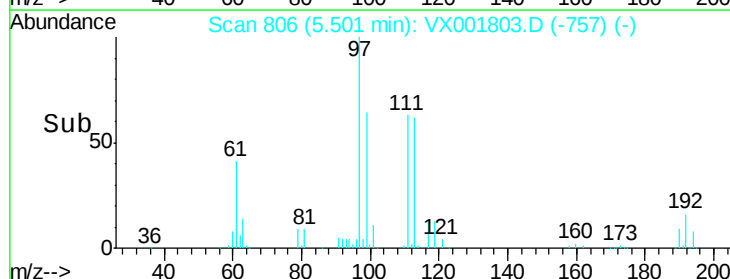
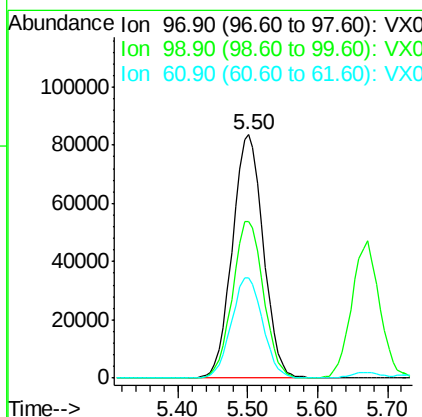
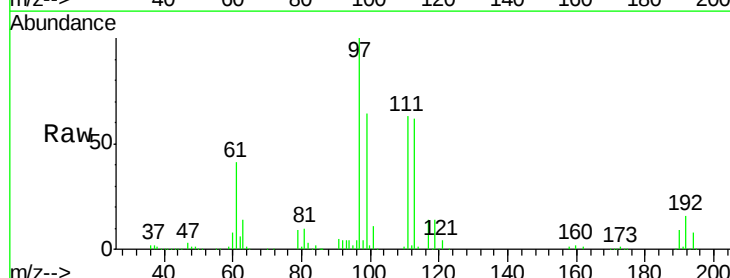
RT: 5.50 min Scan# 806

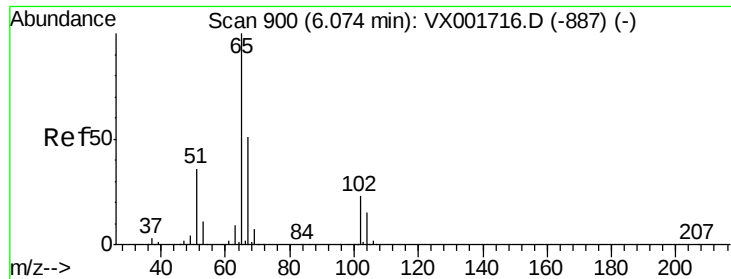
Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Tgt Ion:	97	Resp:	256841
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.3	76.9
61	41.9	34.0	51.0





#33

1,2-Dichloroethane-d4

Concen: 46.68 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 184035

Ion Ratio Lower Upper

65 100

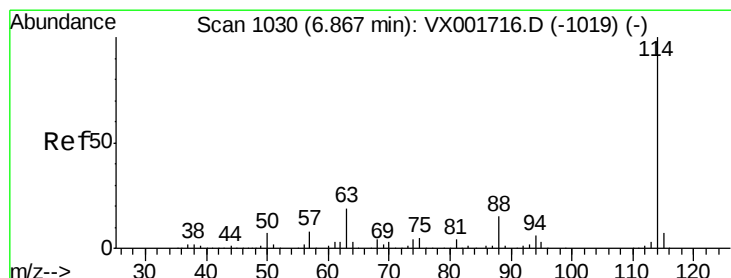
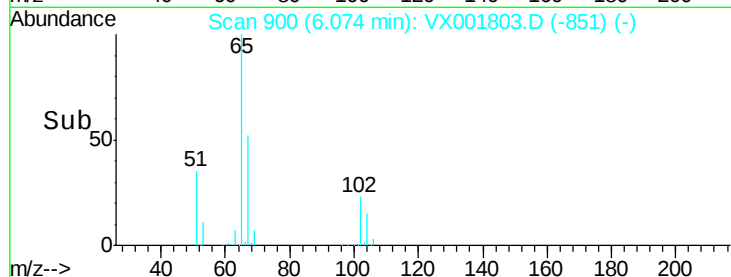
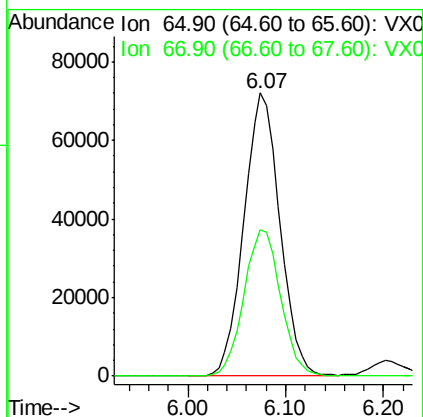
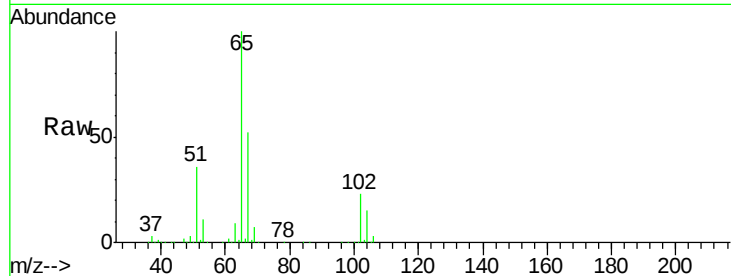
67 52.8 0.0 102.8

Manual Integrations

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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: VX001803.D

Acq: 17 May 2018 20:54

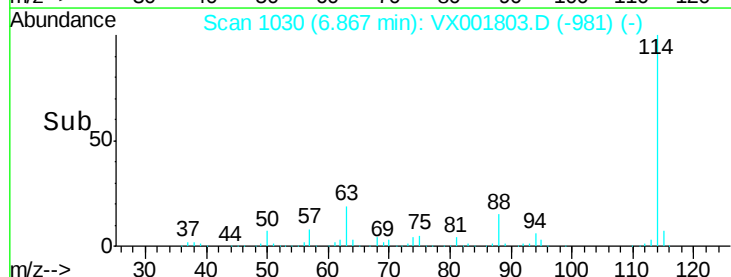
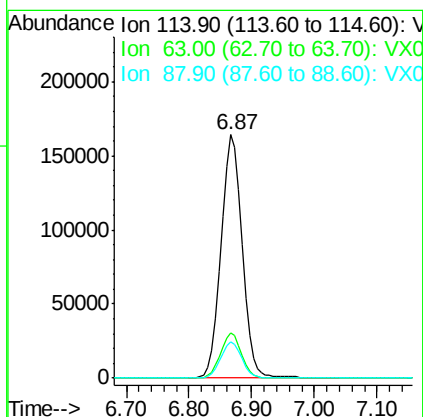
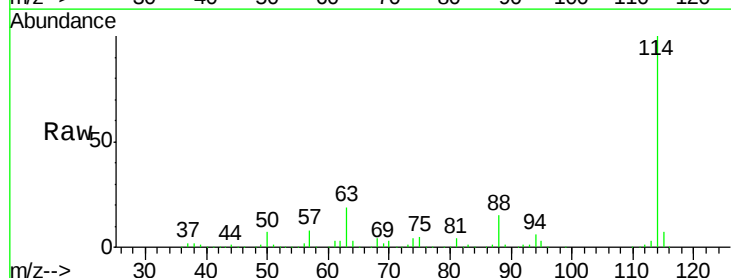
Tgt Ion: 114 Resp: 385157

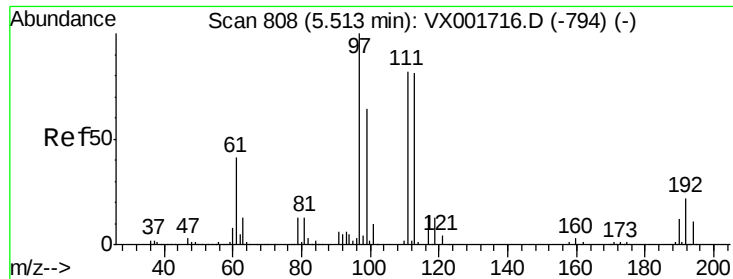
Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.0

88 15.0 0.0 29.8





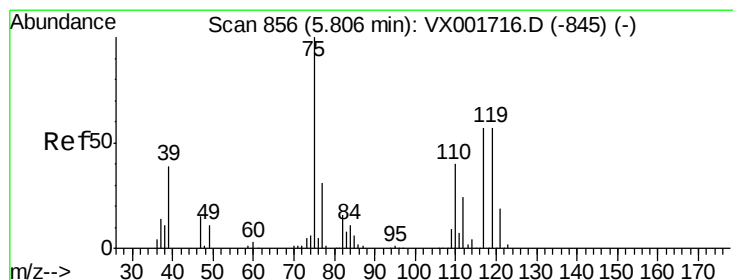
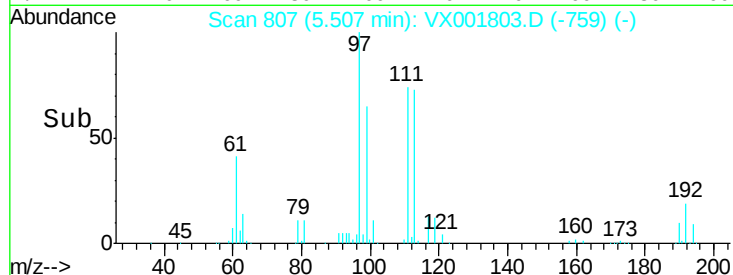
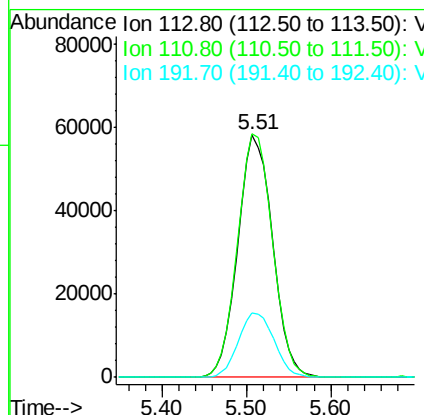
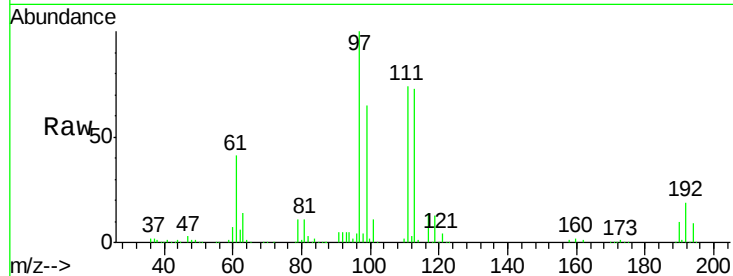
#35
 Dibromofluoromethane
 Concen: 50.10 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001803.D
 Acq: 17 May 2018 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	162857		
111	101.1	82.0	123.0	
192	27.4	21.6	32.4	

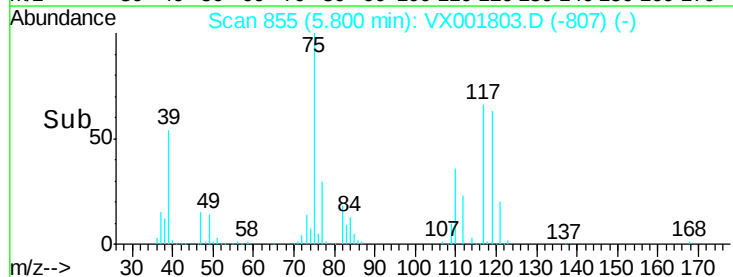
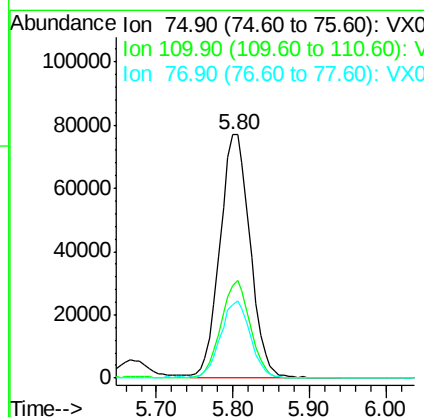
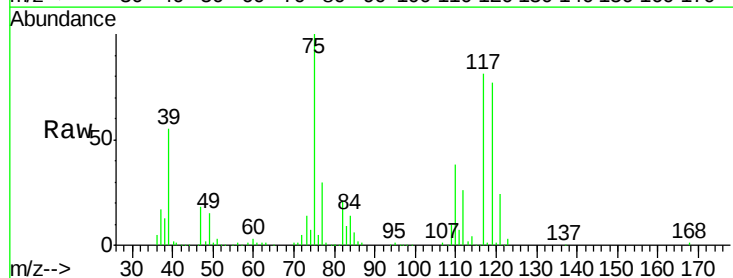
Manual Integrations
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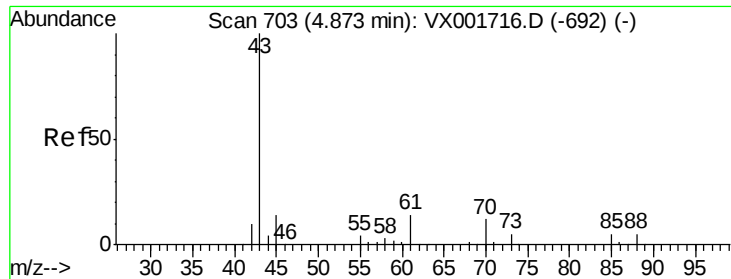
MMDadoda
 5/21/2018 12:52:52 PM



#36
 1,1-Dichloropropene
 Concen: 47.41 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX001803.D
 Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	210214		
110	38.9	19.1	57.1	
77	31.4	24.6	37.0	





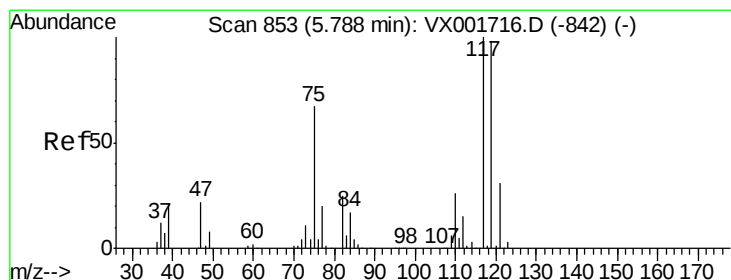
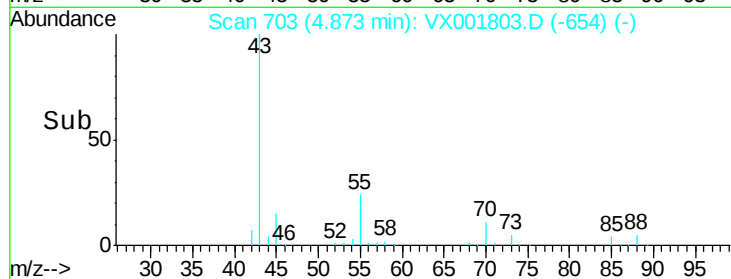
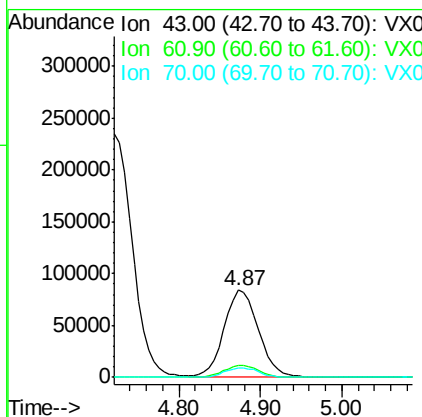
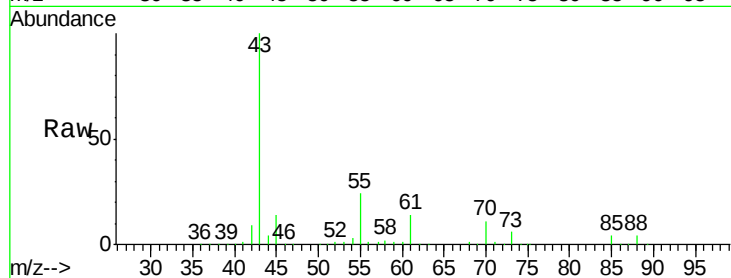
#37
Ethyl Acetate
Concen: 52.99 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.9	16.3
70	11.1	8.8	13.2

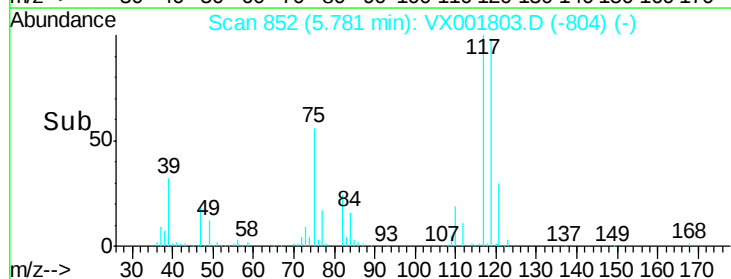
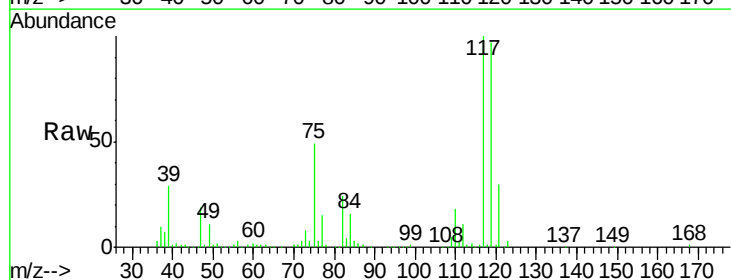
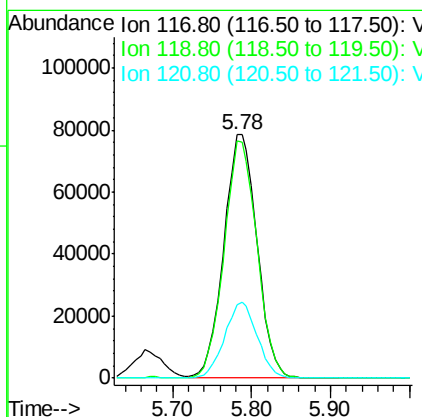
Manual Integrations
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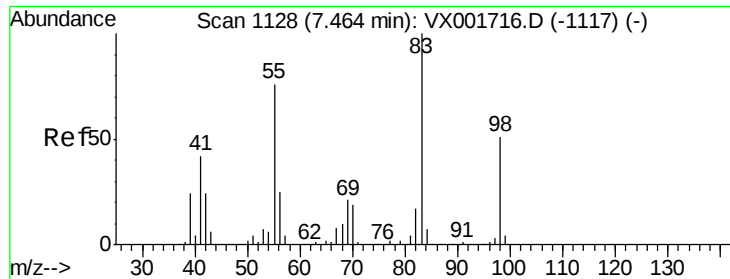
MMDadoda
5/21/2018 12:52:52 PM



#38
Carbon Tetrachloride
Concen: 49.45 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.6	116.4
121	30.3	24.6	36.8





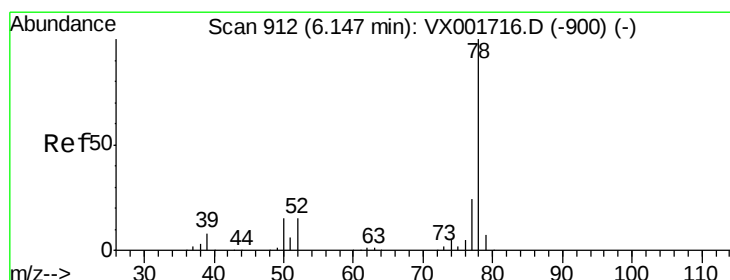
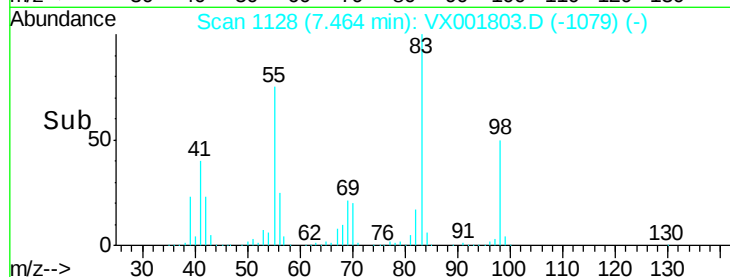
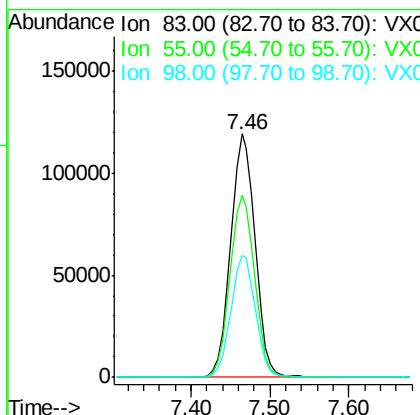
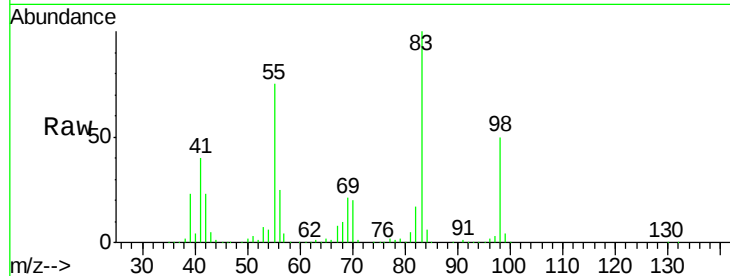
#39
Methvlcvclohexane
Concen: 49.54 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	256637		
55	74.9		60.6	90.8
98	50.0		40.4	60.6

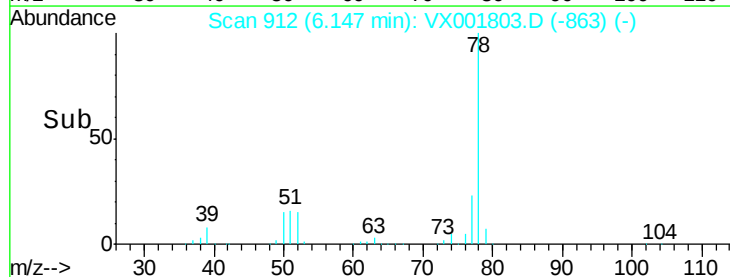
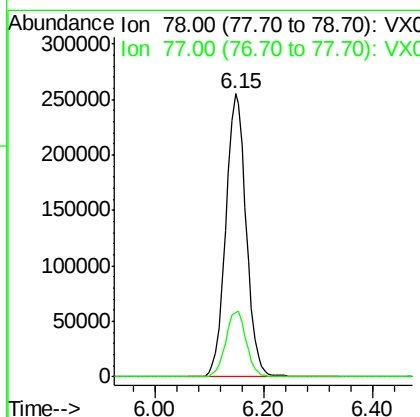
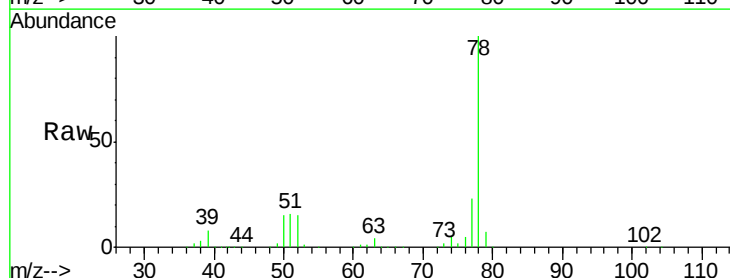
Manual Integrations
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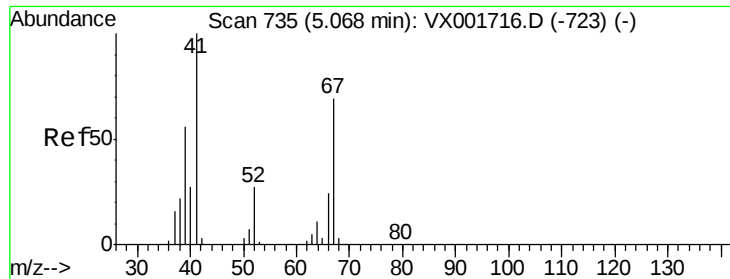
MMDadoda
5/21/2018 12:52:52 PM



#40
Benzene
Concen: 50.89 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	664773		
77	23.0		19.0	28.4





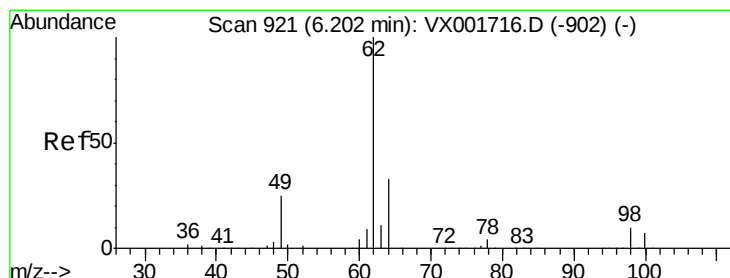
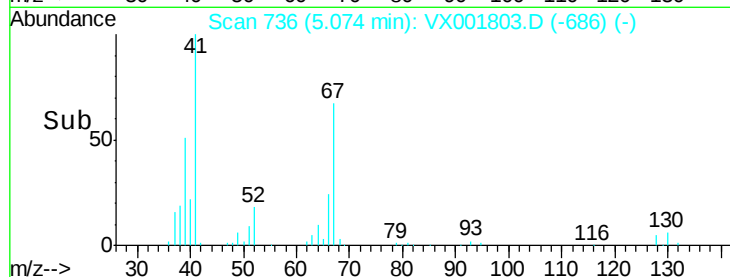
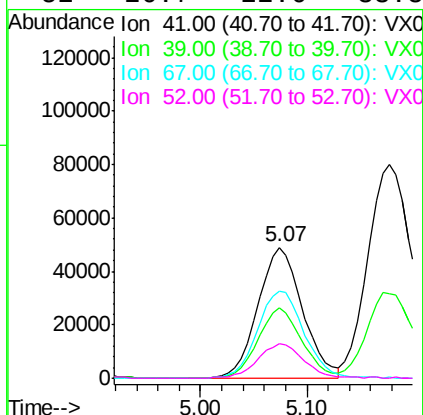
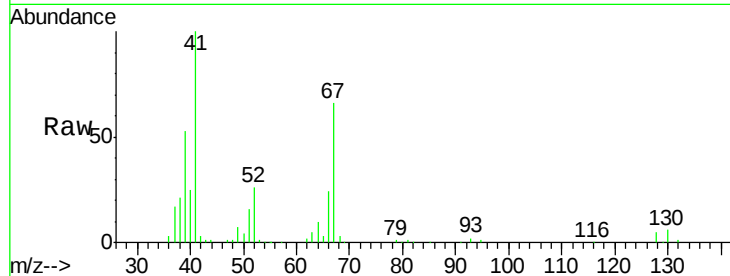
#41
Methacrylonitrile
Concen: 53.51 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	52.1	44.2	66.4		
67	69.6	56.0	84.0		
52	26.7	22.6	33.8		

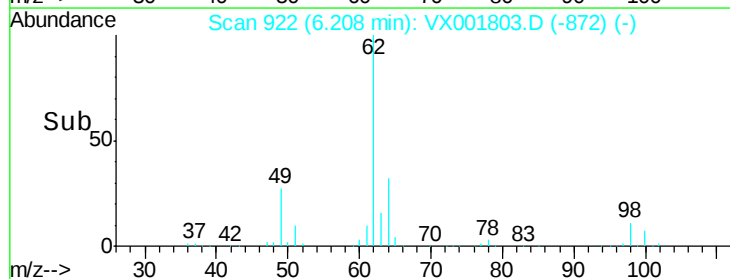
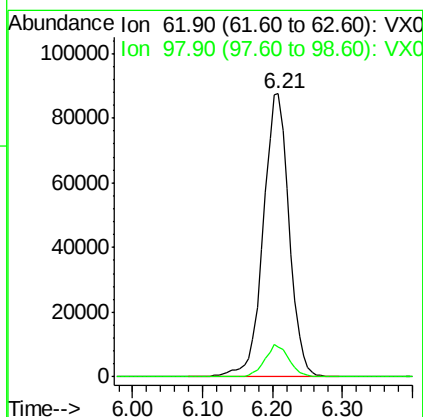
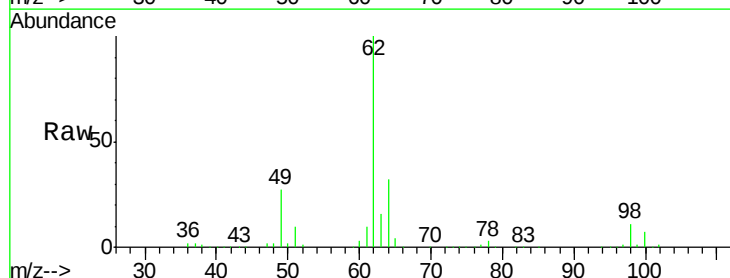
Manual Integrations
APPROVED

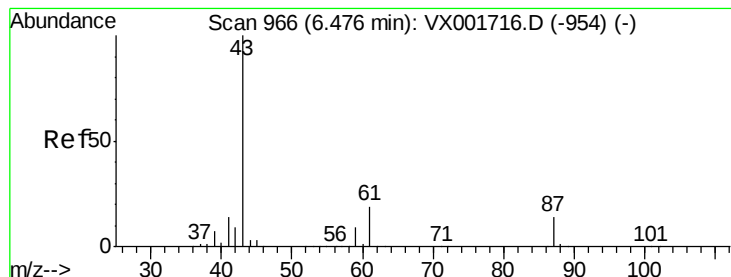
MMDadoda
5/21/2018 12:52:52 PM



#42
1,2-Dichloroethane
Concen: 47.86 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.6	0.0	20.0		





#43

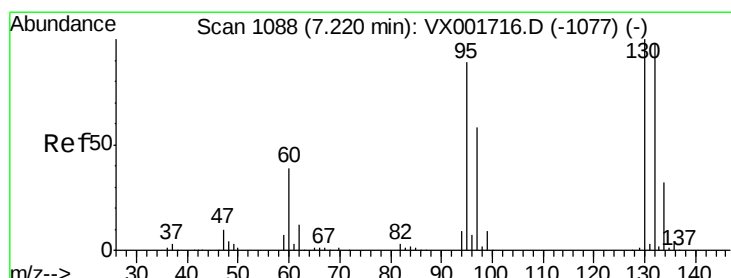
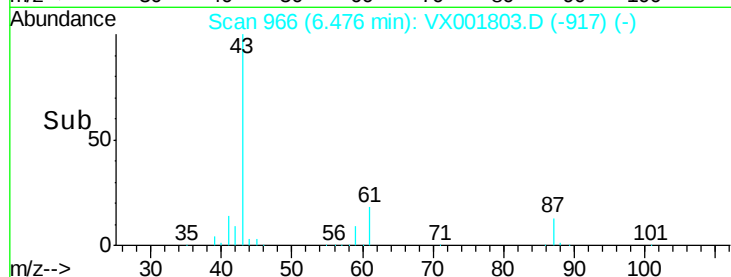
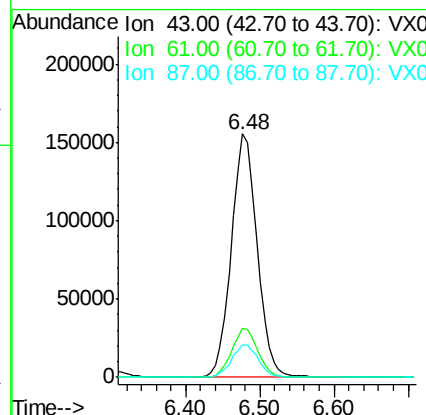
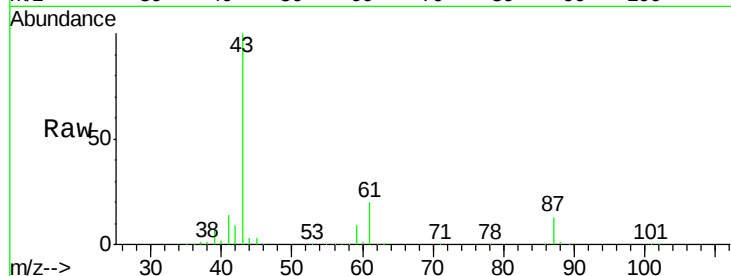
Isopropyl Acetate
 Concen: 52.13 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001803.D
 Acq: 17 May 2018 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.8	23.8
87	13.9	11.0	16.4

Manual Integrations
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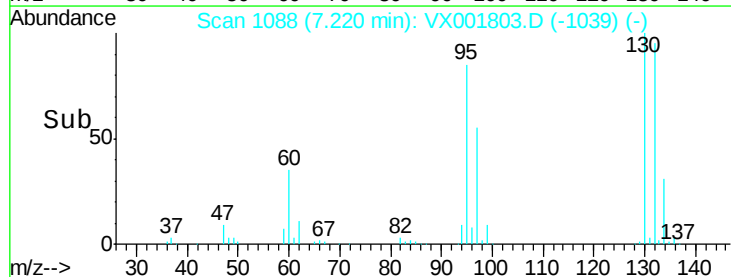
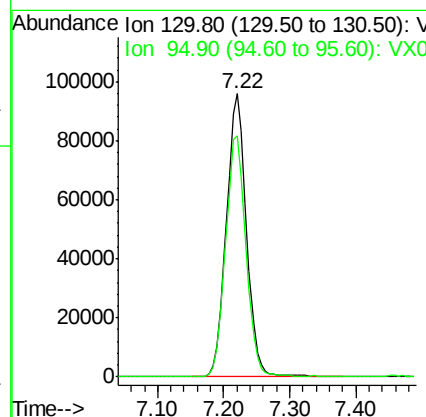
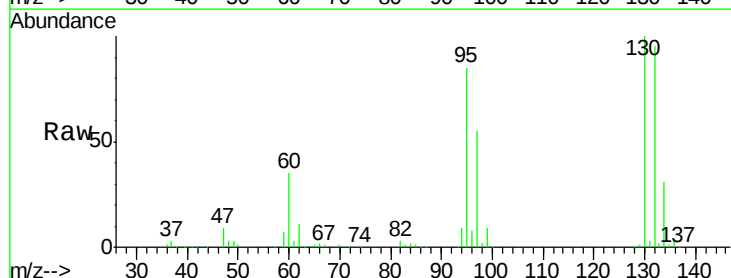
MMDadoda
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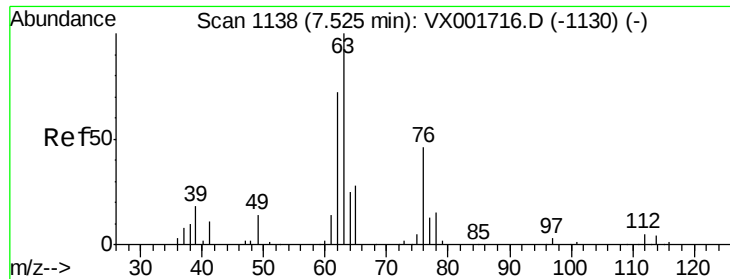


#44

Trichloroethene
 Concen: 49.98 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001803.D
 Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.3	0.0	177.2





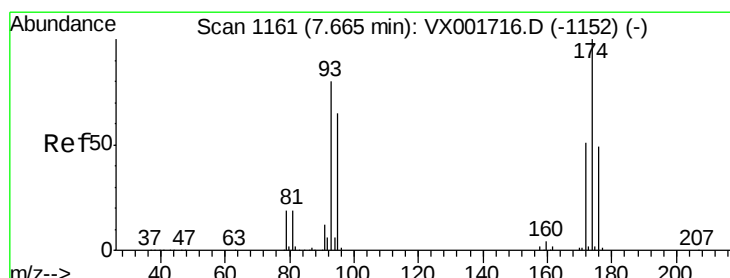
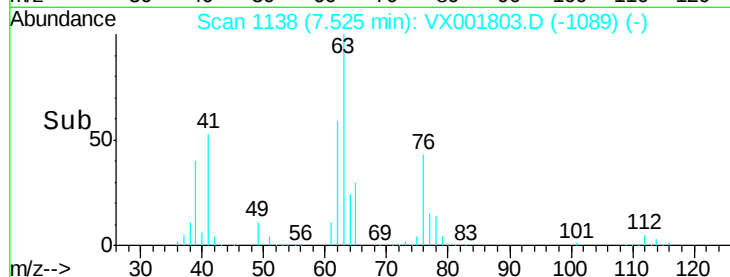
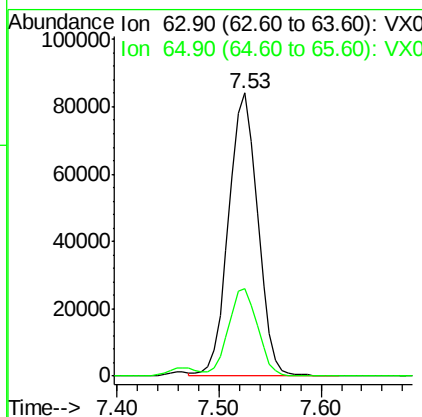
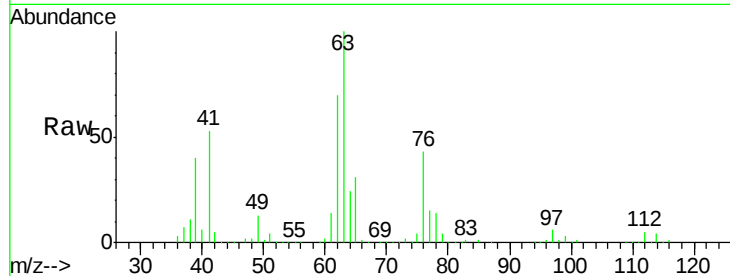
#45
 1,2-Dichloropropane
 Concen: 51.85 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001803.D
 Acq: 17 May 2018 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.2	36.2

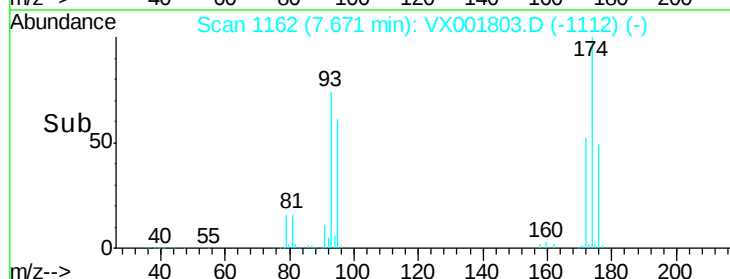
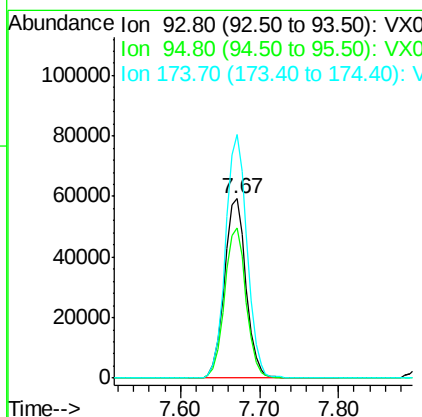
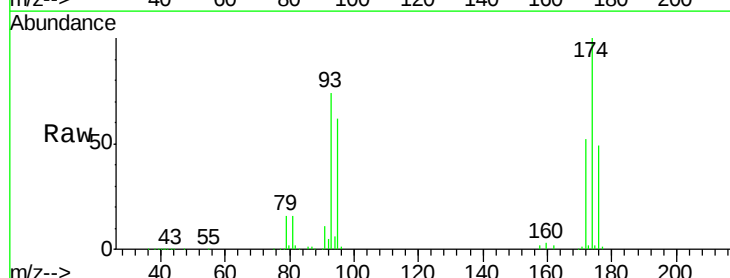
Manual Integrations
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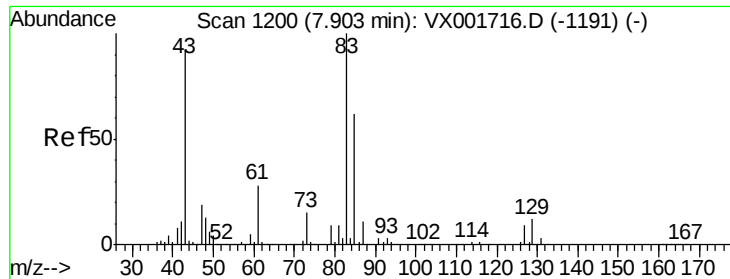
MMDadoda
 5/21/2018 12:52:52 PM



#46
 Dibromomethane
 Concen: 50.22 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VX001803.D
 Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.9	98.9
174	135.0	106.2	159.2





#47

Bromodichloromethane

Concen: 52.40 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

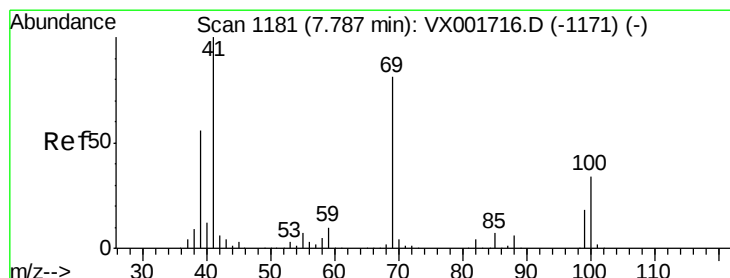
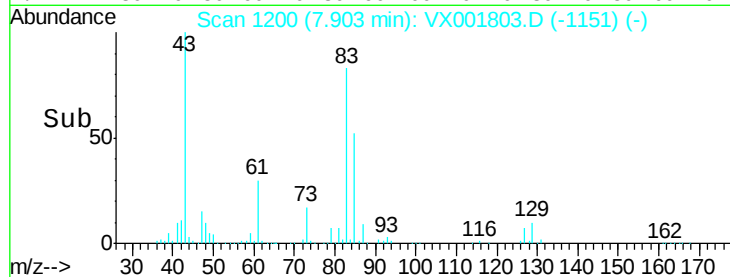
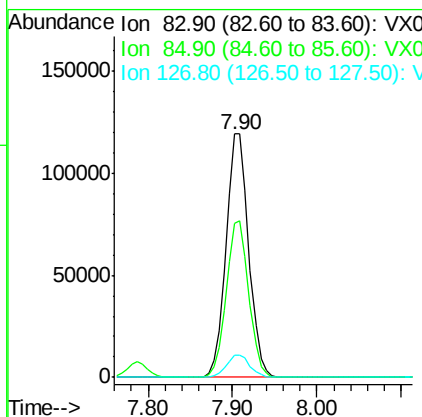
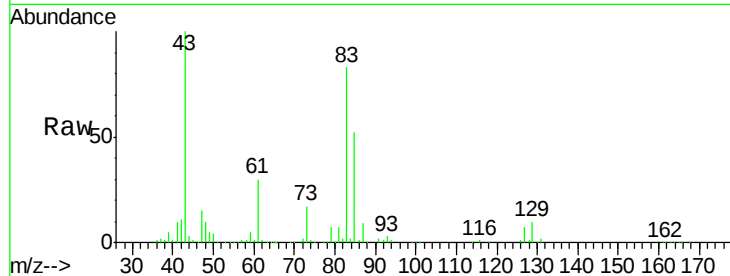
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	218854
Ion Ratio	Lower	Upper	
83	100		
85	63.3	49.6	74.4
127	9.1	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.18 ug/l

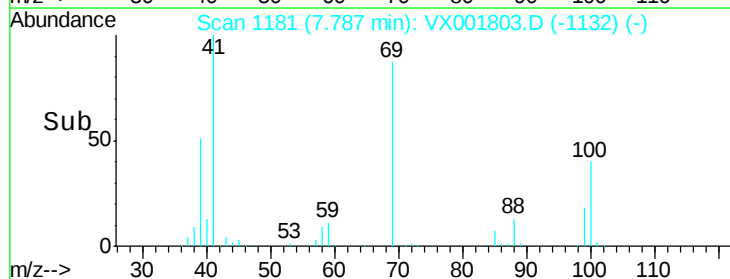
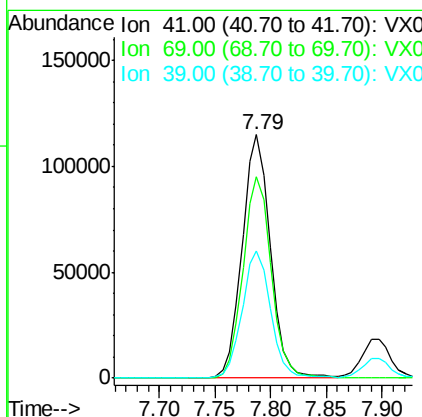
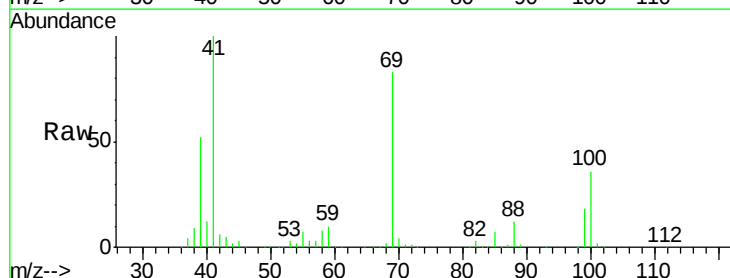
RT: 7.79 min Scan# 1181

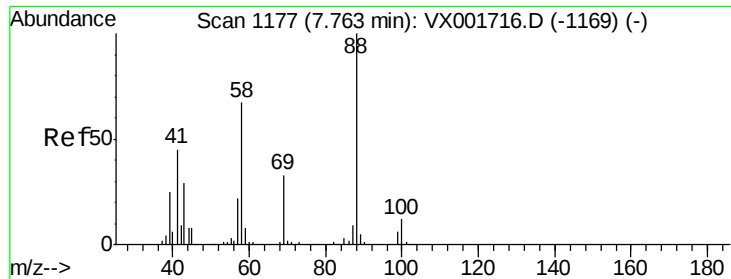
Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Tgt Ion:	41	Resp:	202439
Ion Ratio	Lower	Upper	
41	100		
69	83.5	65.2	97.8
39	52.8	44.5	66.7





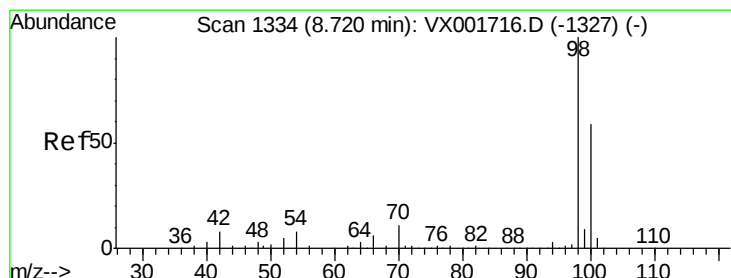
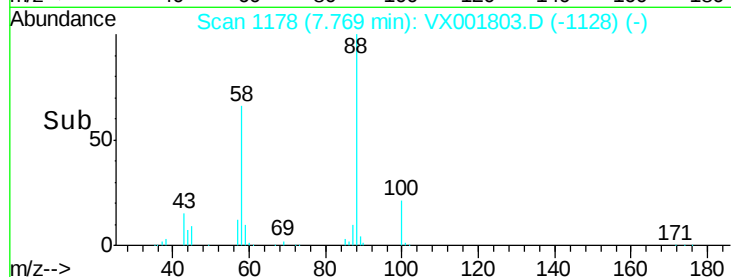
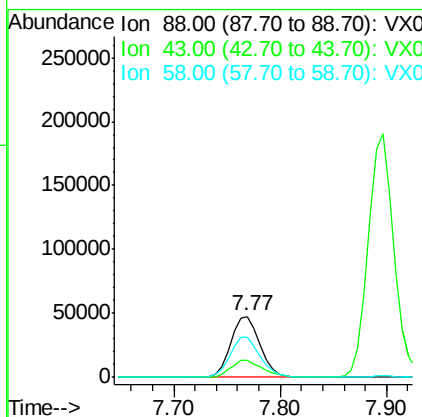
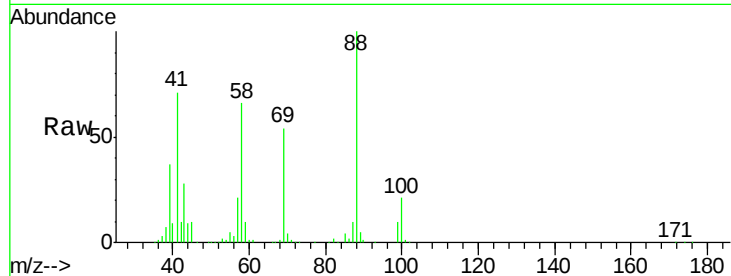
#49
1,4-Dioxane
Concen: 1258.22 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	27.3	40.9
58	67.7	55.9	83.9

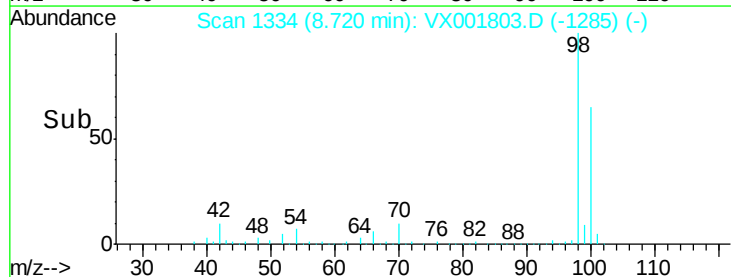
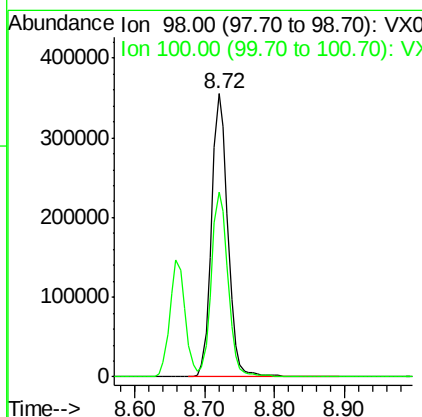
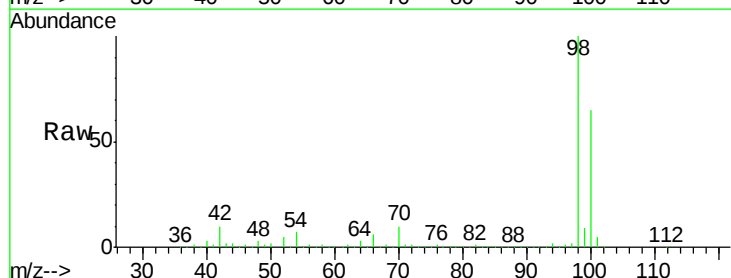
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APPROVED

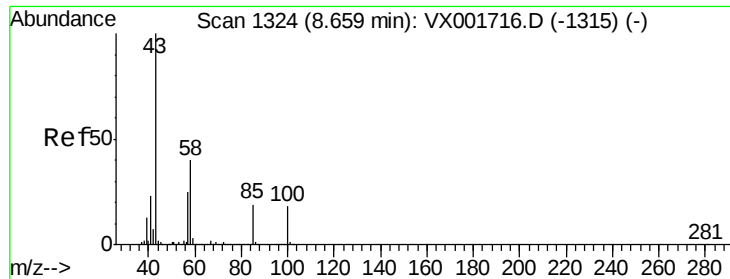
MMDadoda
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#50
Toluene-d8
Concen: 49.41 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	54.0	81.0





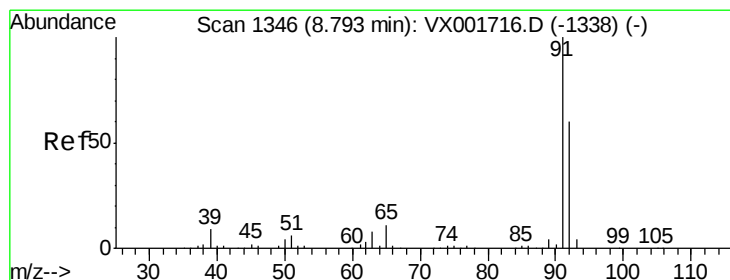
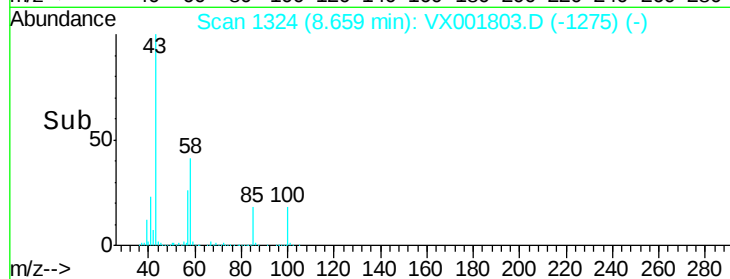
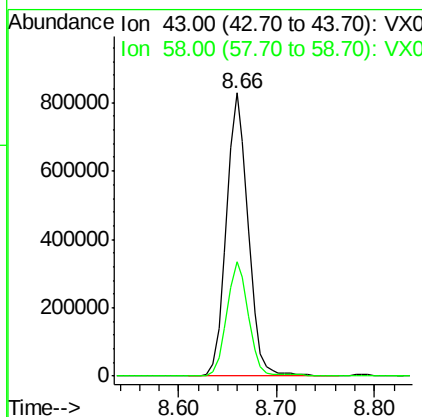
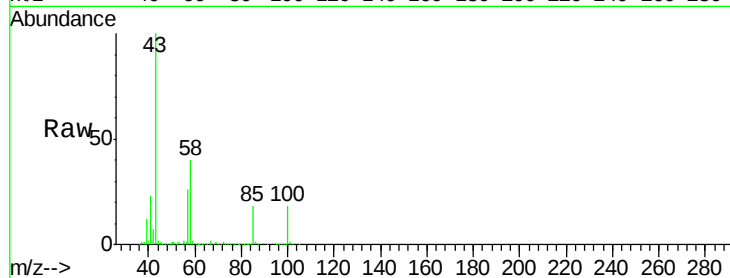
#51
4-Methyl-2-Pentanone
Concen: 278.93 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1278329
Ion Ratio Lower Upper
43 100
58 40.6 31.4 47.0

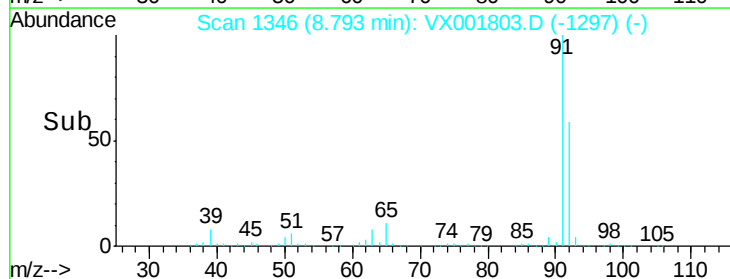
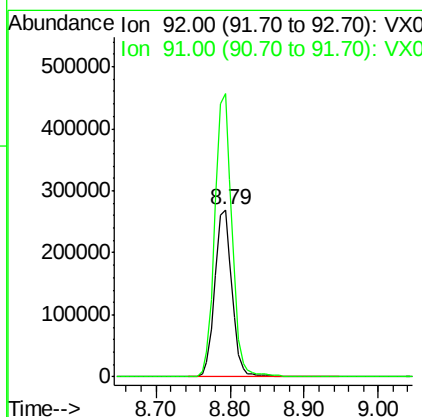
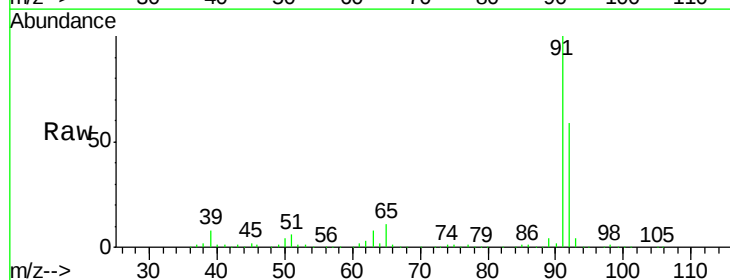
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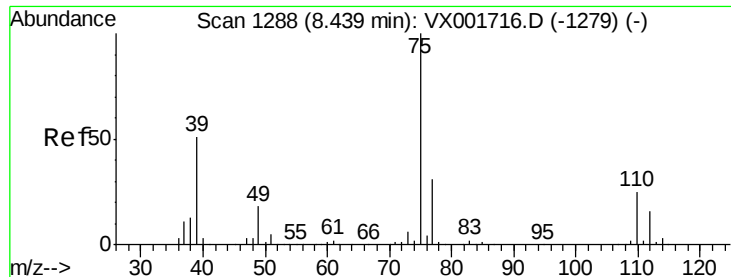
MMDadoda
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#52
Toluene
Concen: 50.62 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Tgt Ion: 92 Resp: 424914
Ion Ratio Lower Upper
92 100
91 169.6 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 51.73 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Tot Ion: 75 Resp: 254209

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.6

Instrument :

MSVOA_X

ClientSampleId :

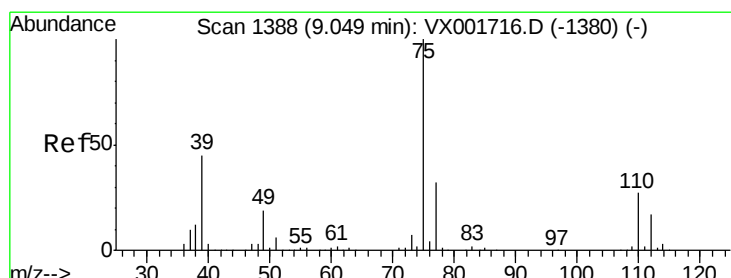
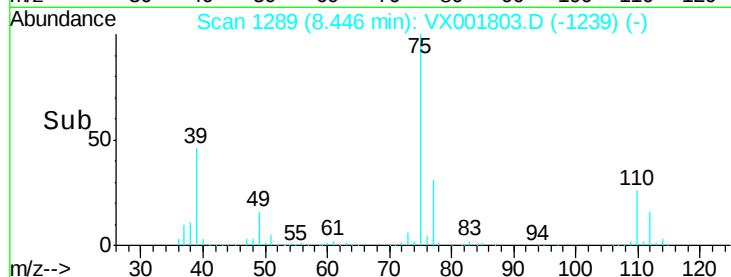
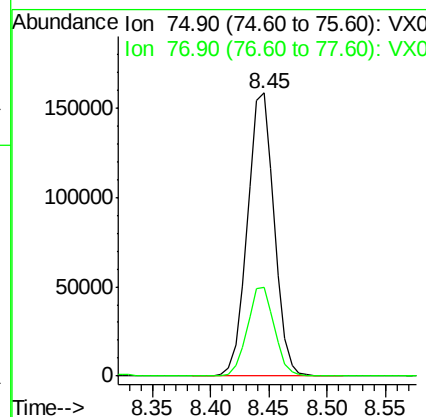
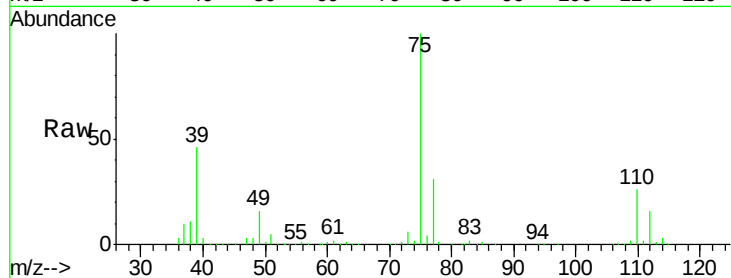
VSTDCCC050EC

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 46.09 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

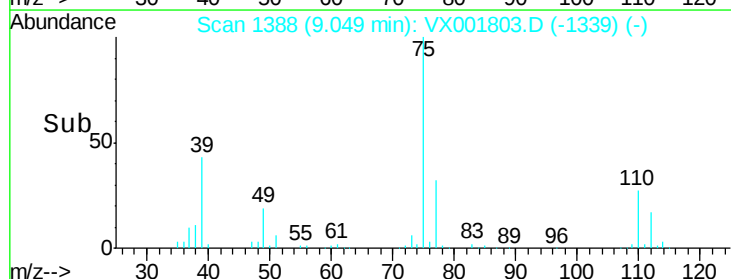
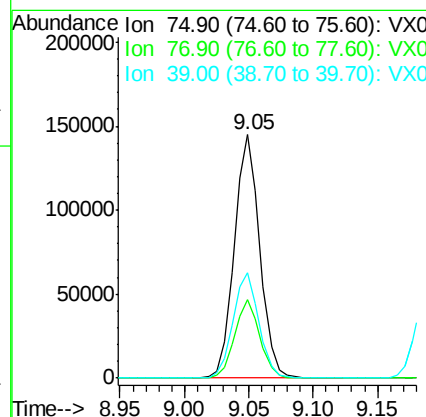
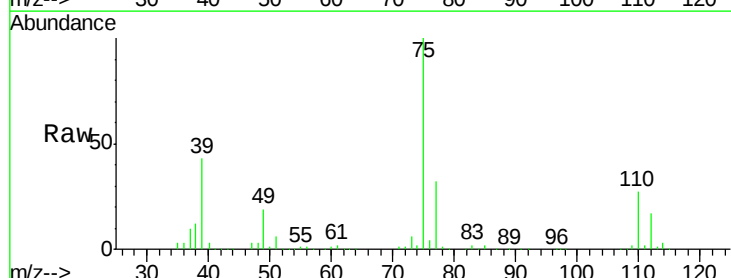
Tgt Ion: 75 Resp: 199668

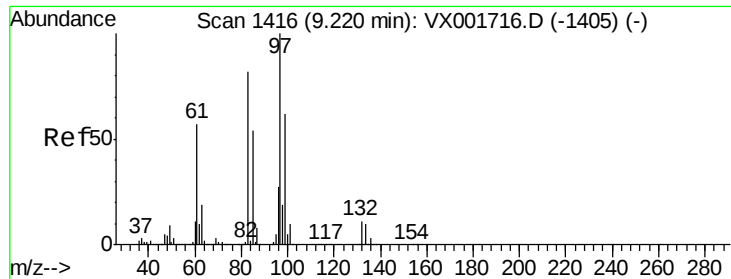
Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2

39 43.3 36.1 54.1





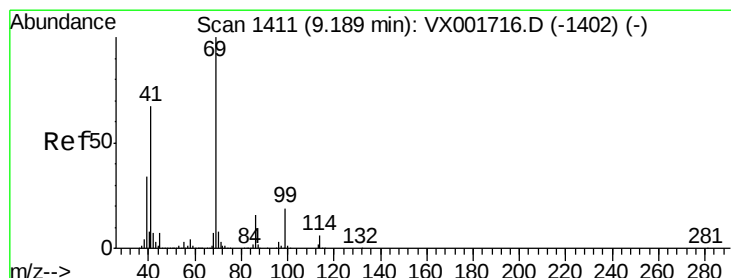
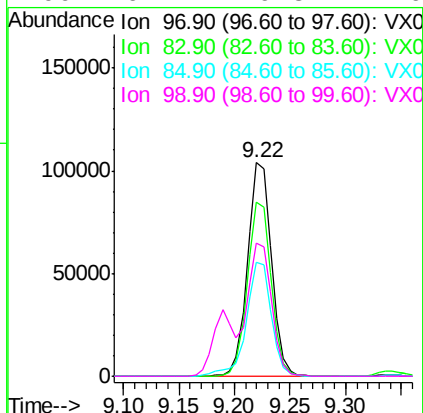
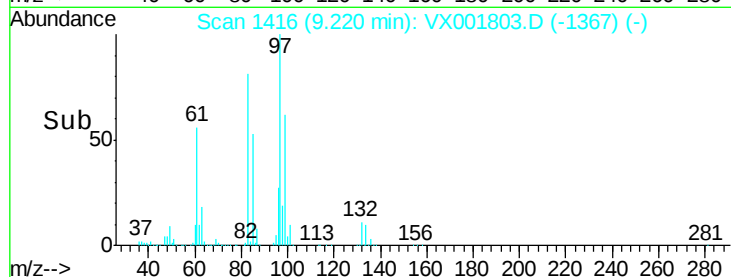
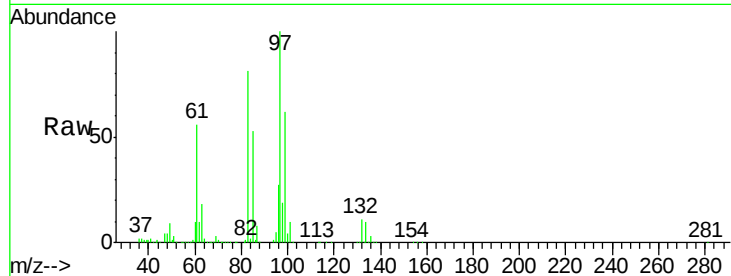
#55
 1,1,2-Trichloroethane
 Concen: 48.36 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001803.D
 Acq: 17 May 2018 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		155178		
83	81.4	65.8	98.8		
85	53.3	43.4	65.0		
99	62.2	49.8	74.6		

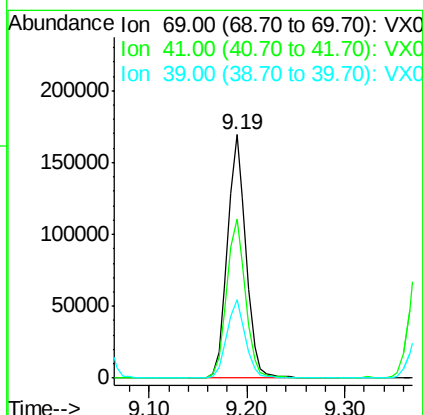
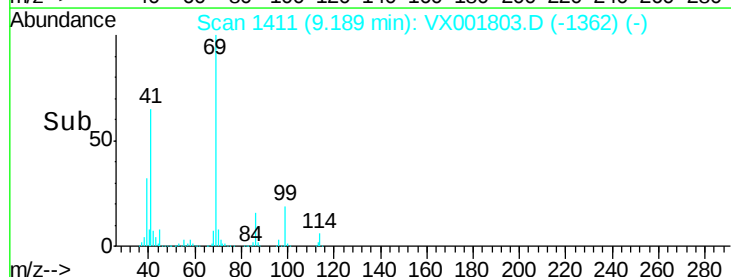
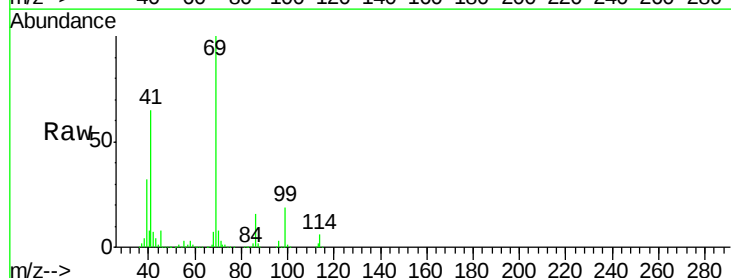
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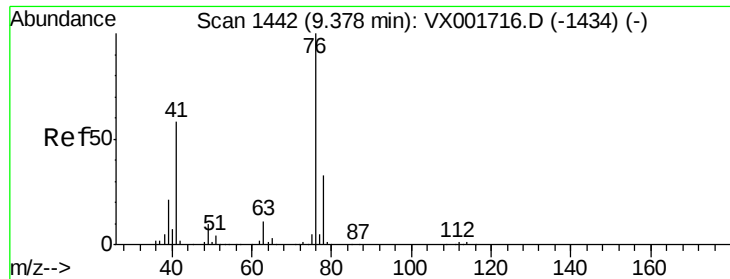
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#56
 Ethyl methacrylate
 Concen: 49.00 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001803.D
 Acq: 17 May 2018 20:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		222979		
41	66.3	53.5	80.3		
39	32.5	27.2	40.8		





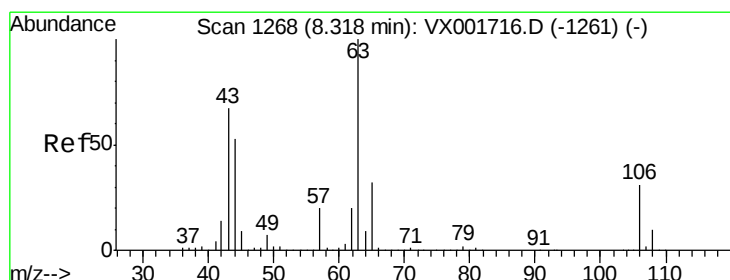
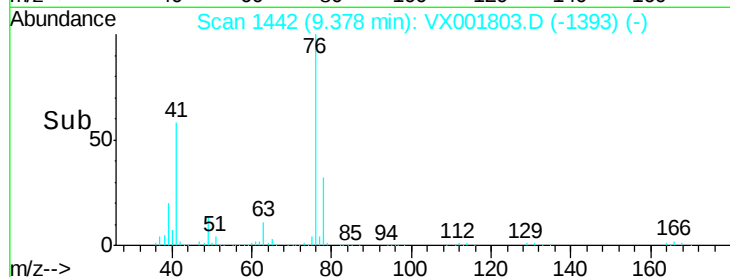
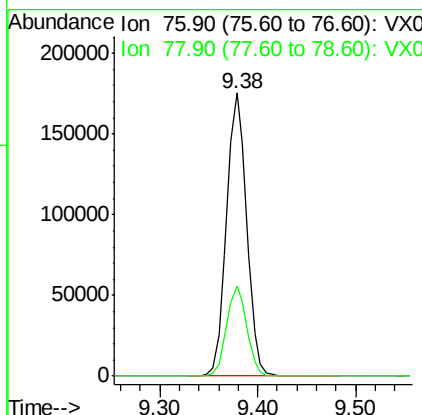
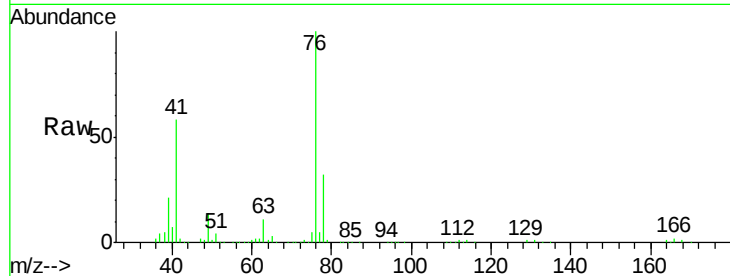
#57
 1,3-Dichloropropane
 Concen: 46.81 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001803.D
 Acq: 17 May 2018 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.6

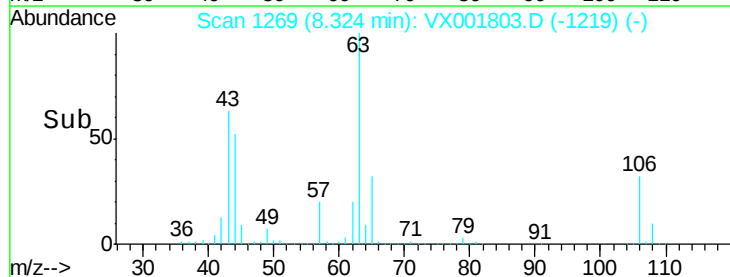
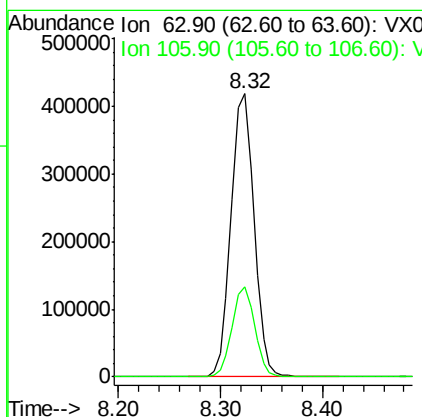
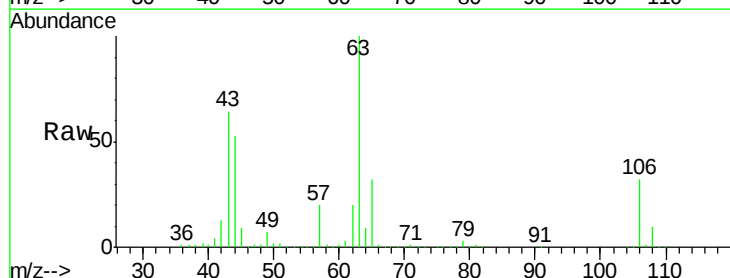
Manual Integrations
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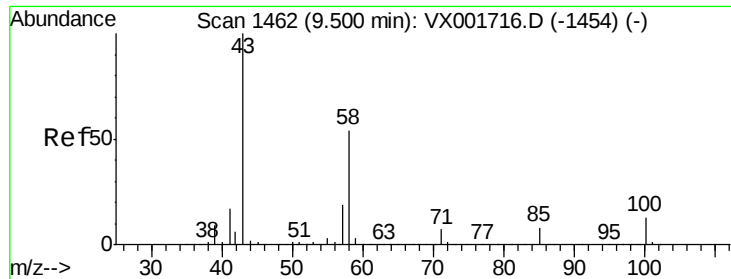
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#58
 2-Chloroethyl Vinyl ether
 Concen: 278.89 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VX001803.D
 Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.6	25.1	37.7





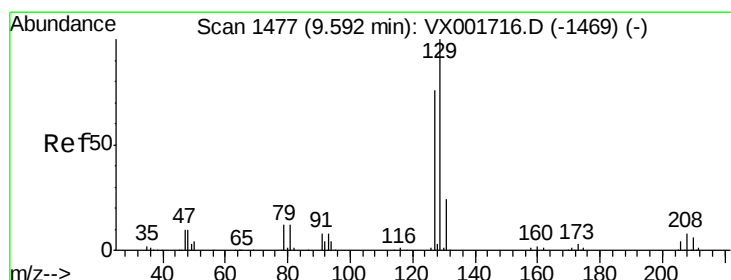
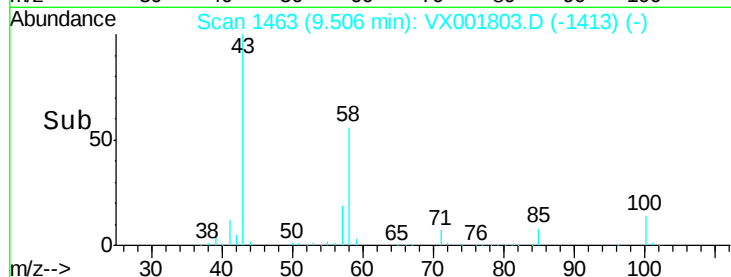
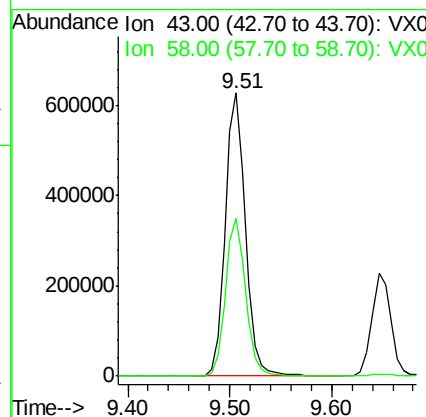
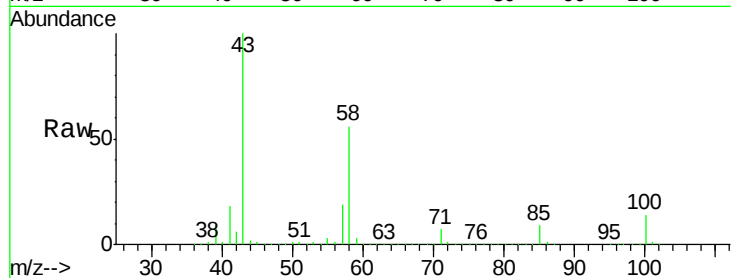
#59
2-Hexanone
Concen: 263.74 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion: 43 Resp: 865282
Ion Ratio Lower Upper
43 100
58 56.0 27.7 83.1

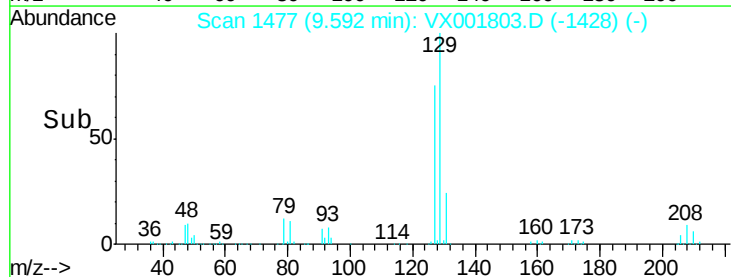
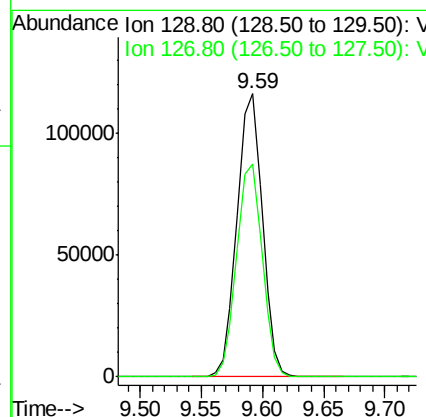
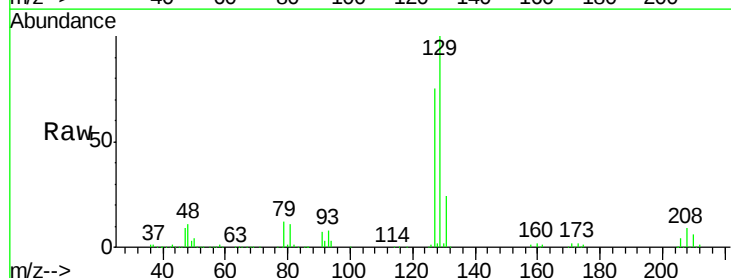
Manual Integrations
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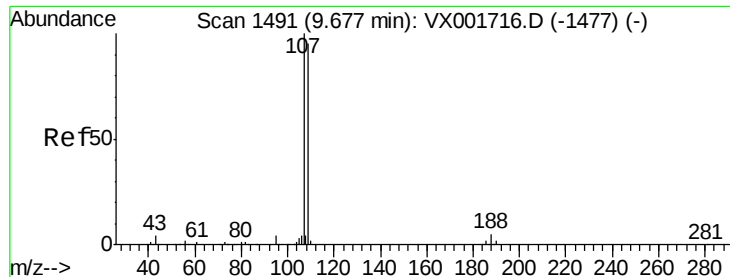
MMDadoda
5/21/2018 12:52:52 PM



#60
Dibromochloromethane
Concen: 50.80 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Tgt Ion: 129 Resp: 166906
Ion Ratio Lower Upper
129 100
127 76.2 38.7 116.1





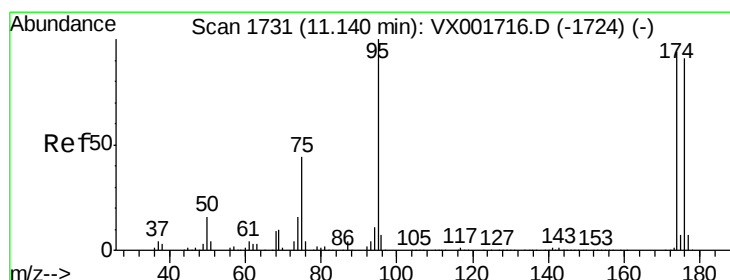
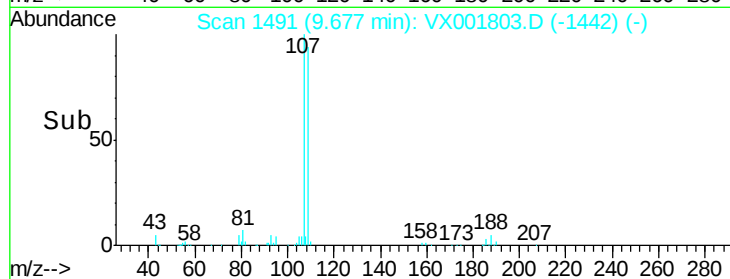
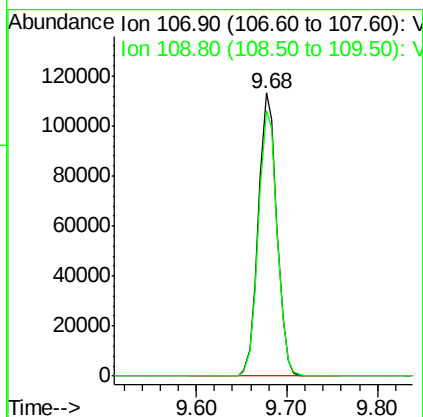
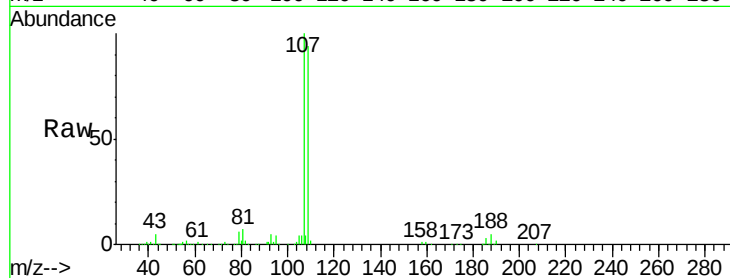
#61
 1,2-Dibromoethane
 Concen: 47.73 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX001803.D
 Acq: 17 May 2018 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	160312		
109	95.3	76.2	114.2	

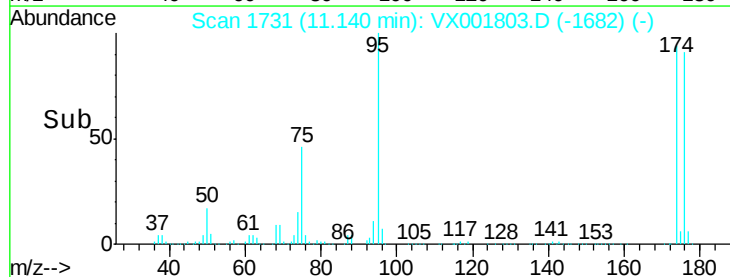
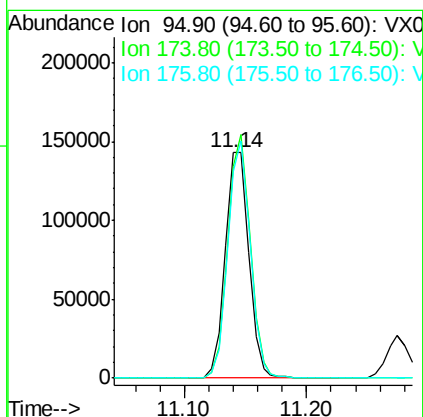
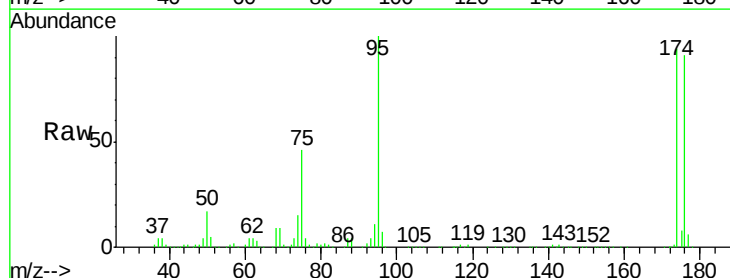
Manual Integrations
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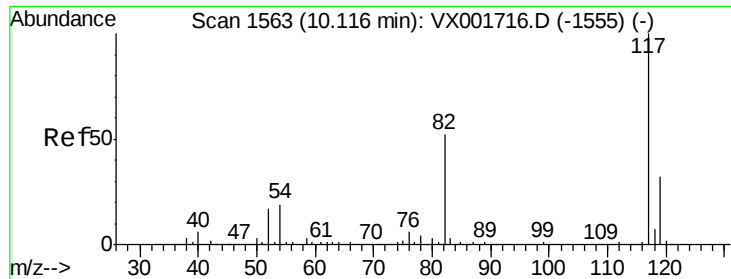
MMDadoda
 5/21/2018 12:52:52 PM



#62
 4-Bromofluorobenzene
 Concen: 45.59 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001803.D
 Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	191079		
174	102.3	0.0	201.8	
176	99.1	0.0	196.8	





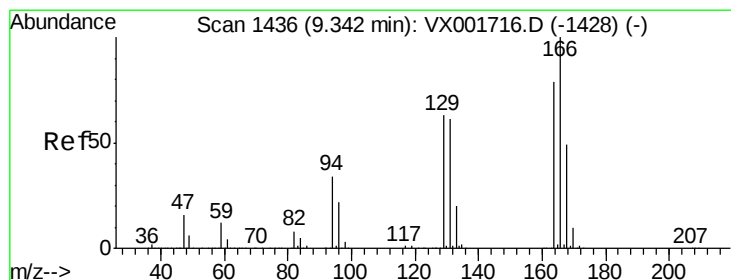
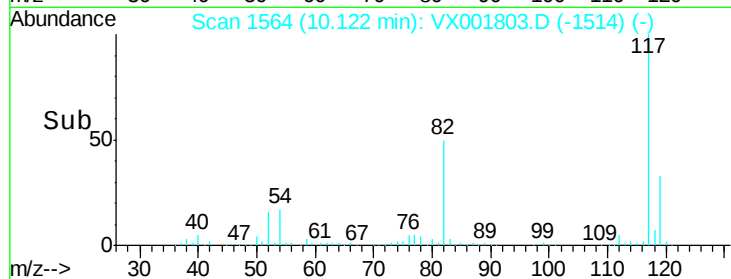
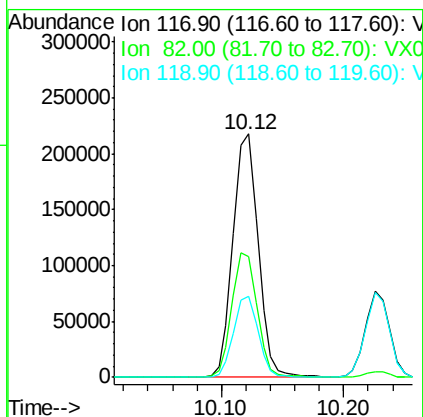
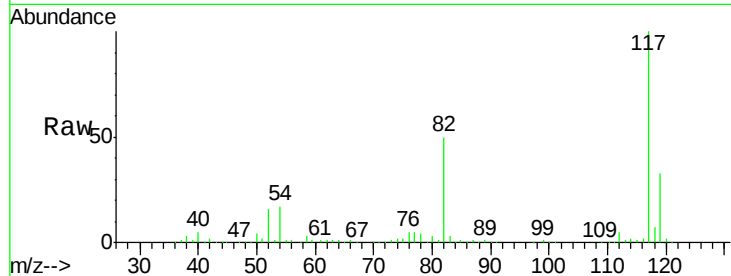
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.8	41.4	62.2
119	33.4	25.6	38.4

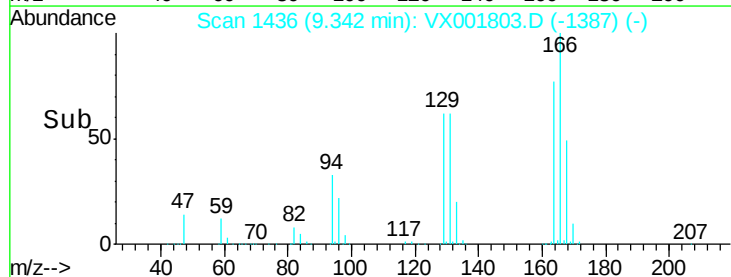
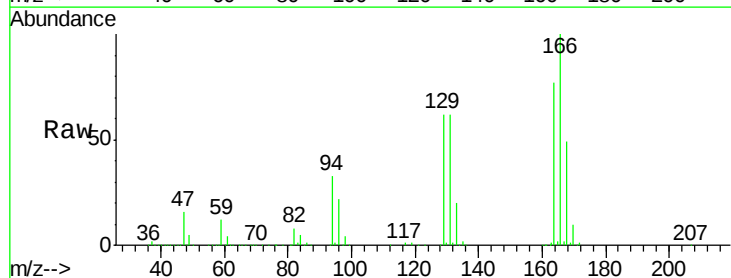
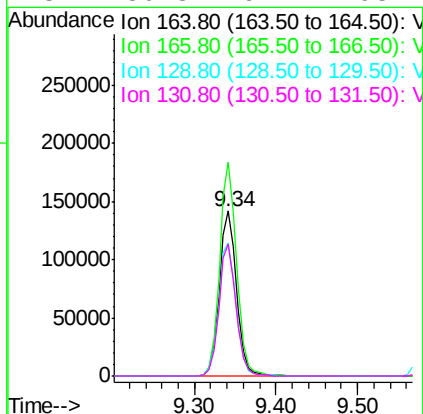
Manual Integrations
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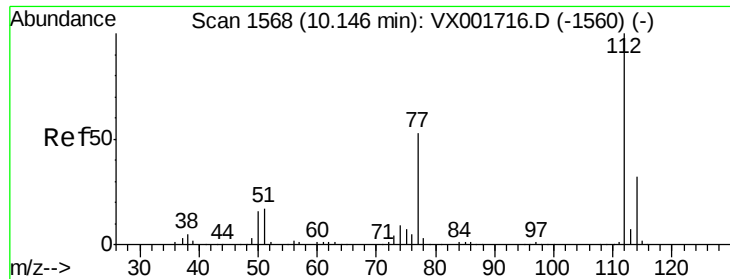
MMDadoda
5/21/2018 12:52:52 PM



#64
Tetrachloroethene
Concen: 51.40 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	101.8	152.8
129	80.8	63.8	95.6
131	80.3	62.2	93.2





#65

Chlorobenzene

Concen: 50.03 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 429183

Ion Ratio Lower Upper

112 100

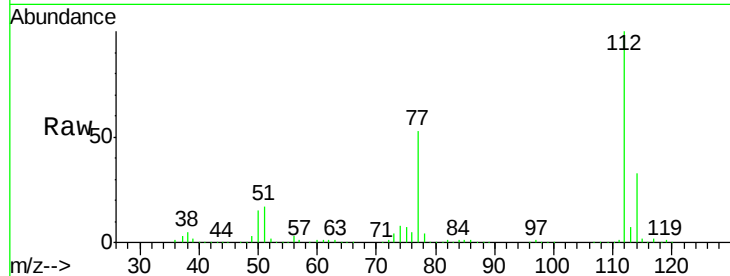
114 32.7 25.6 38.4

Manual Integrations

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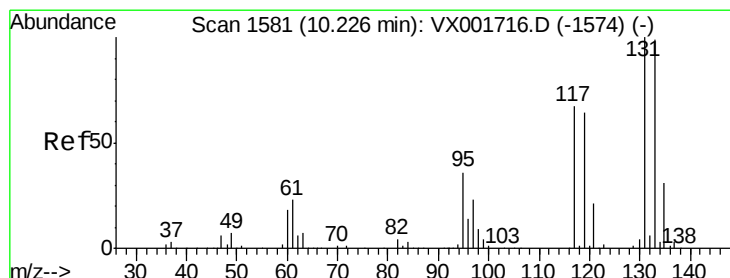
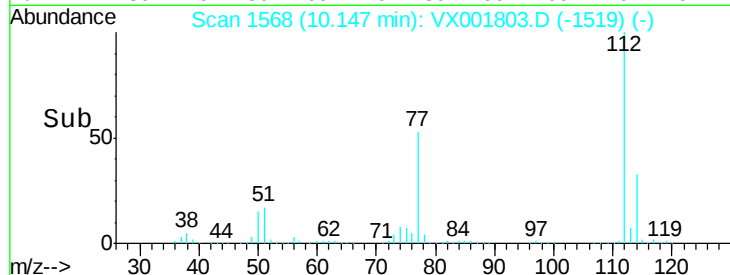
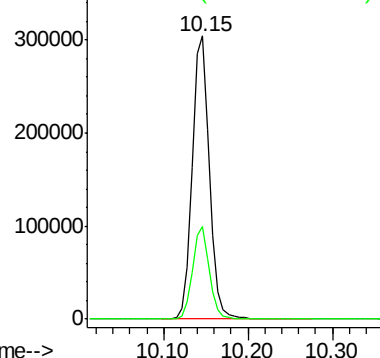
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.29 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

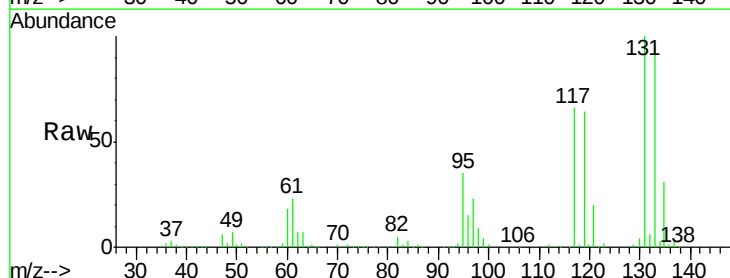
Tgt Ion:131 Resp: 161463

Ion Ratio Lower Upper

131 100

133 96.5 48.5 145.6

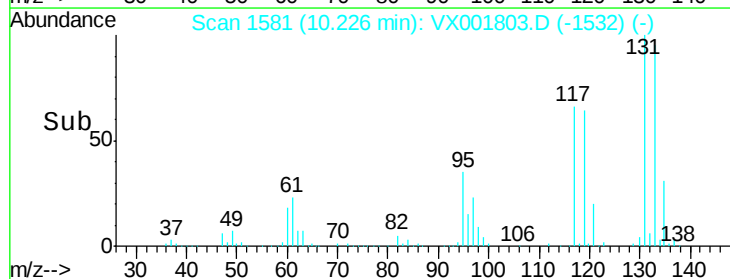
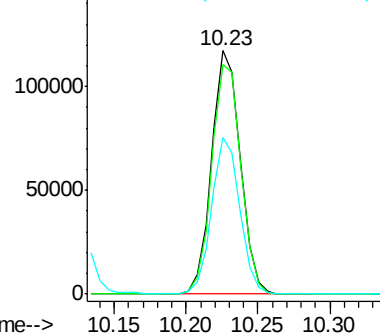
119 63.4 31.9 95.5

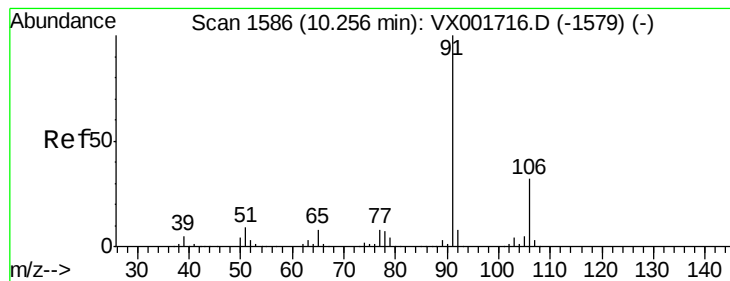


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.11 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 700643

Ion Ratio Lower Upper

91 100

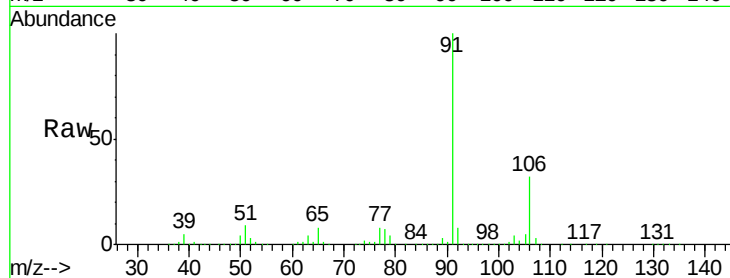
106 31.7 25.7 38.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX001716.D (-1579) (-)

Ion 106.00 (105.70 to 106.70): VX001716.D (-1579) (-)

800000

600000

400000

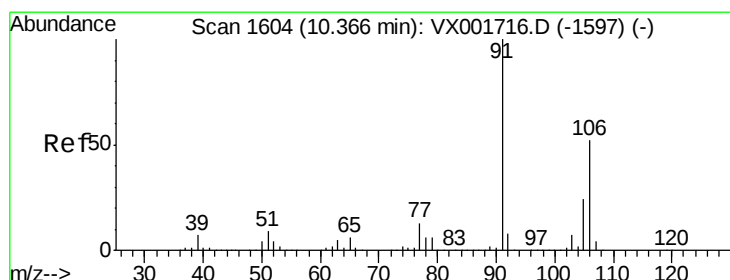
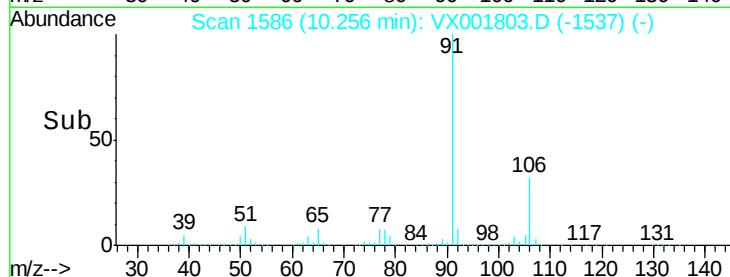
200000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 104.37 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001803.D

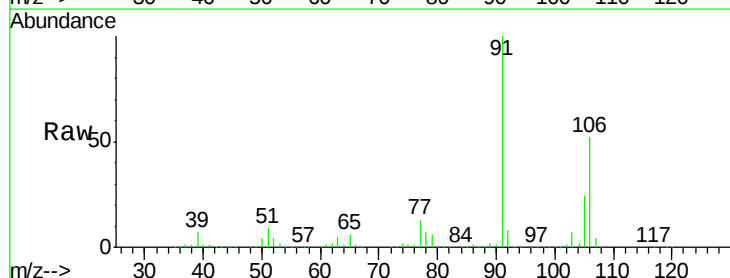
Acq: 17 May 2018 20:54

Tgt Ion: 106 Resp: 564537

Ion Ratio Lower Upper

106 100

91 194.3 155.4 233.2



Abundance Ion 106.00 (105.70 to 106.70): VX001716.D (-1597) (-)

Ion 91.00 (90.70 to 91.70): VX001716.D (-1597) (-)

800000

600000

400000

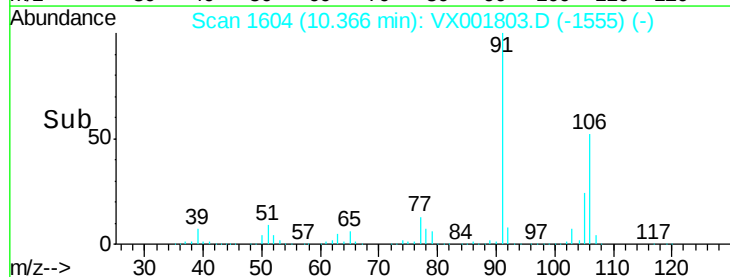
200000

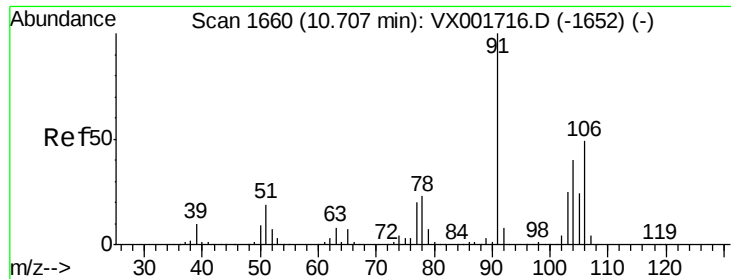
0

10.30

10.40

Time-->





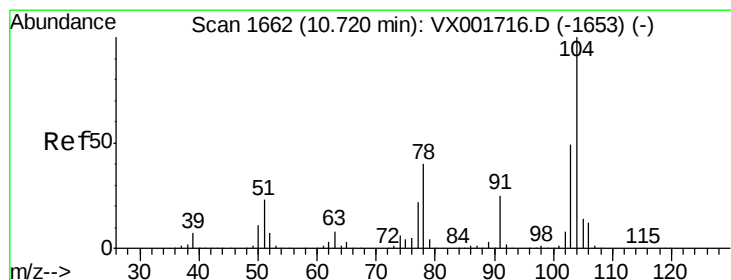
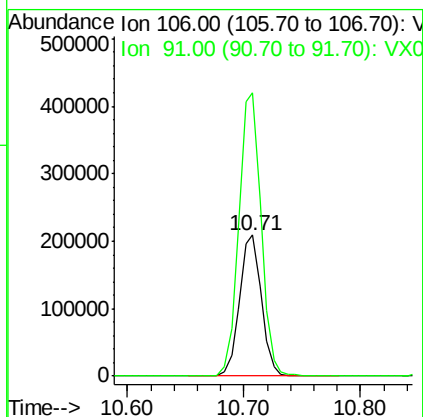
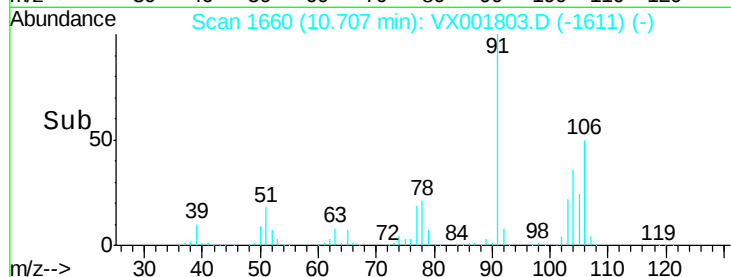
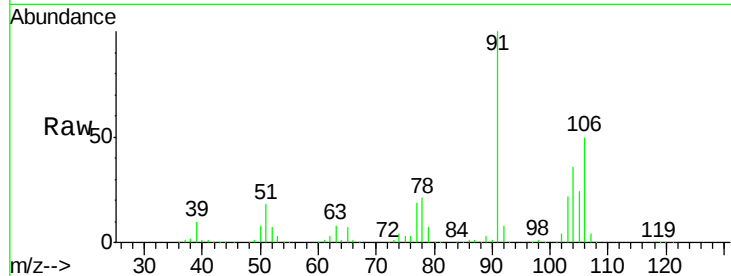
#69
o-Xylene
Concen: 52.87 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 273863
Ion Ratio Lower Upper
106 100
91 204.8 103.4 310.2

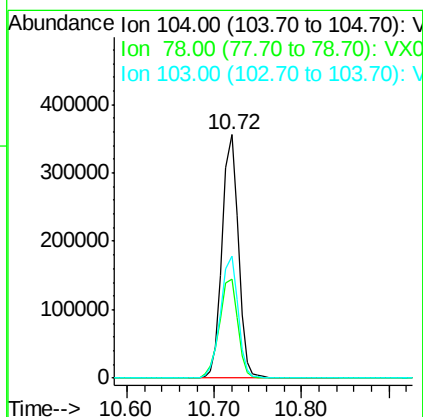
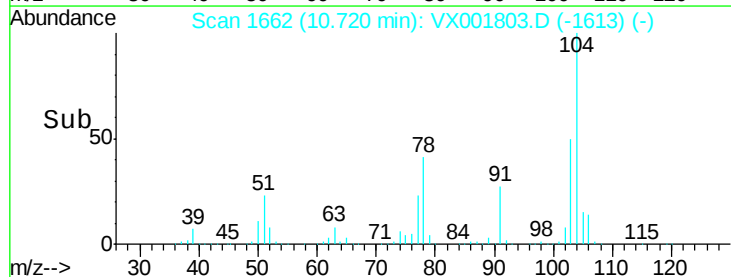
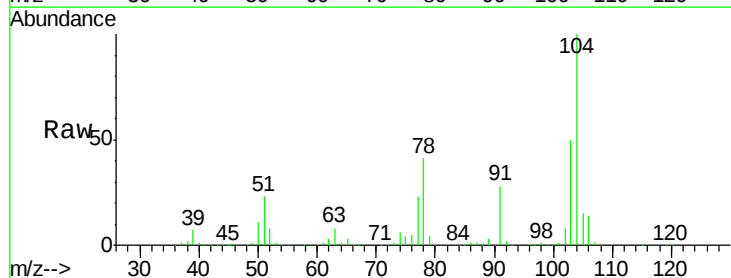
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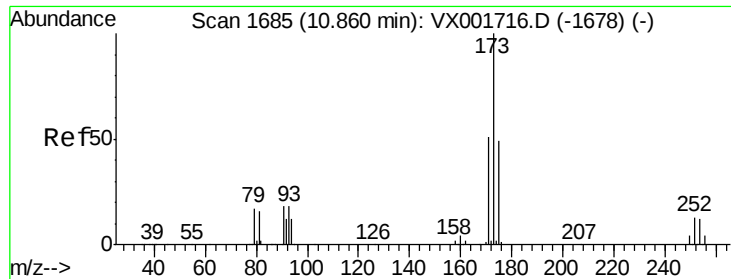
MMDadoda
5/21/2018 12:52:52 PM



#70
Styrene
Concen: 53.42 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Tgt Ion:104 Resp: 456399
Ion Ratio Lower Upper
104 100
78 46.1 37.3 55.9
103 54.1 43.7 65.5





#71

Bromoform

Concen: 48.44 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

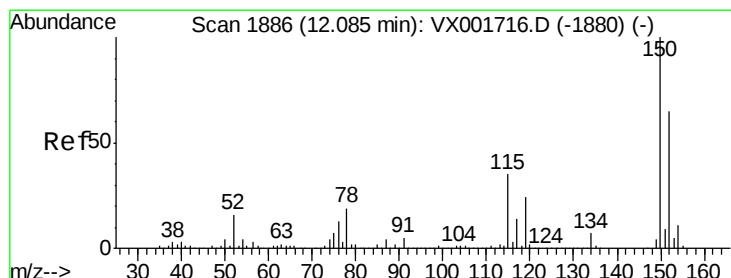
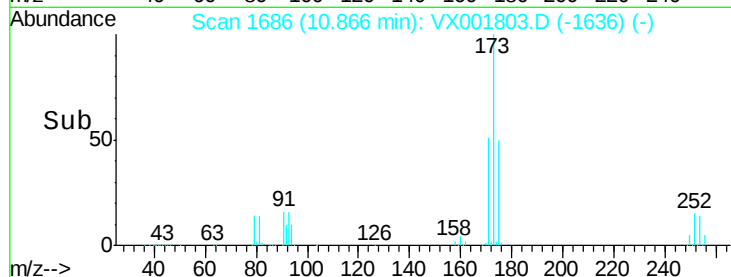
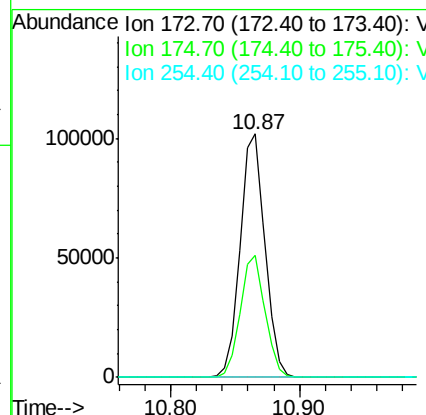
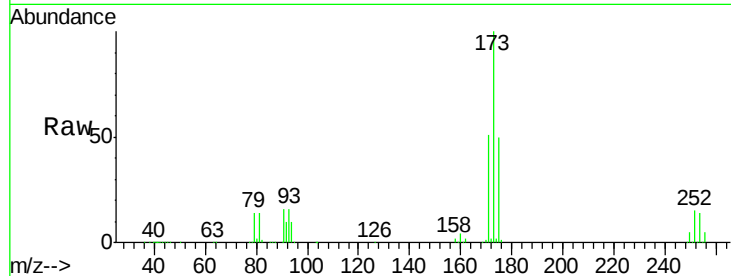
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.3	72.8
254	0.2	0.2	0.2

Manual Integrations
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5/21/2018 12:52:52 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

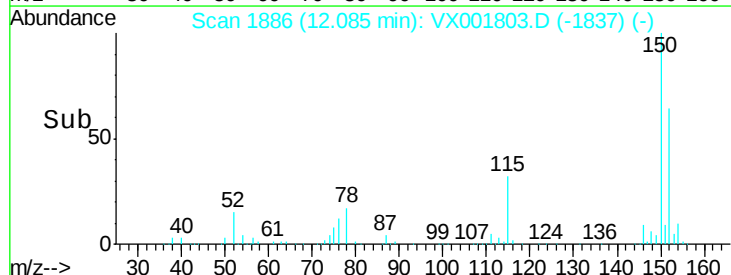
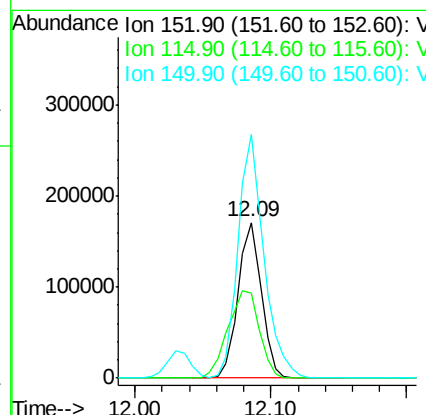
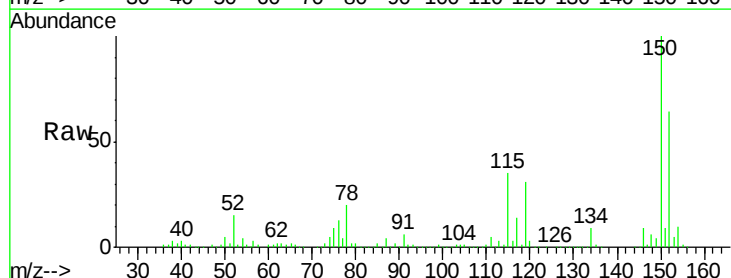
RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	75.6	37.4	112.2
150	173.7	0.0	344.8





#73

Isopropylbenzene

Concen: 54.30 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 729984

Ion Ratio Lower Upper

105 100

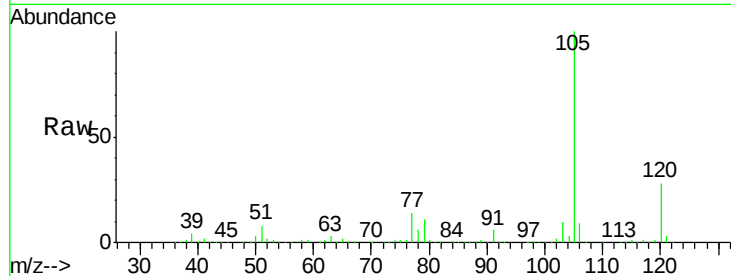
120 27.4 13.8 41.3

Manual Integrations

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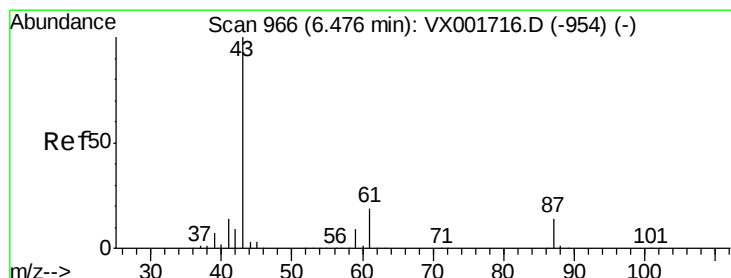
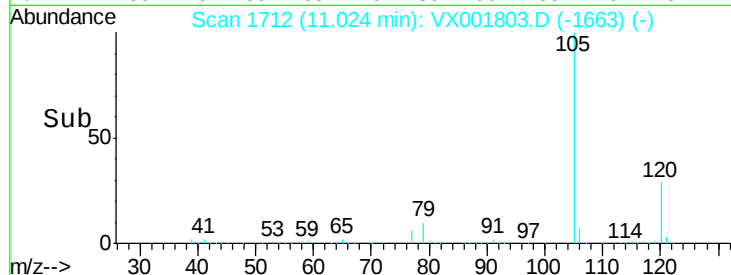
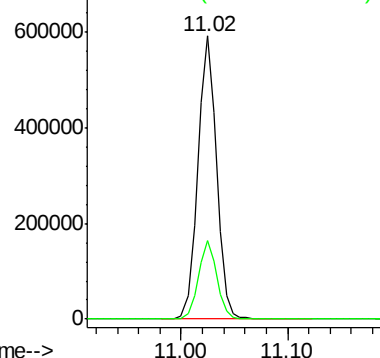
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 58.50 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Tgt Ion: 43 Resp: 377026

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

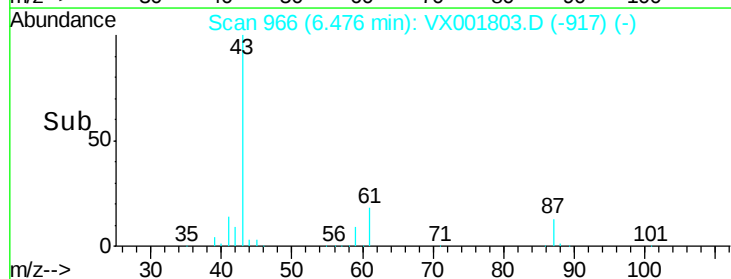
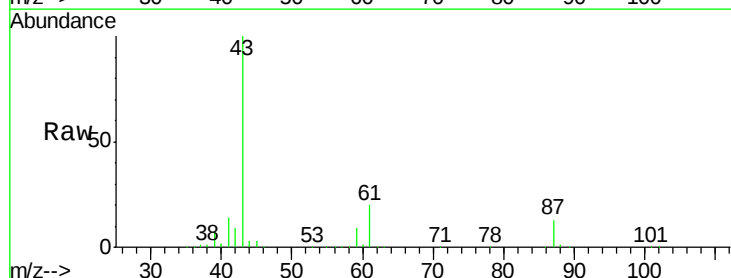
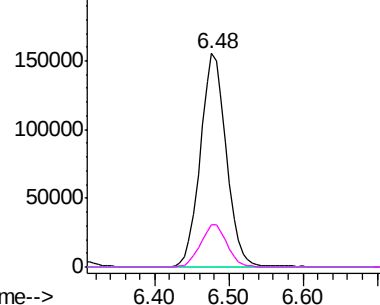
61 20.4 15.8 23.8

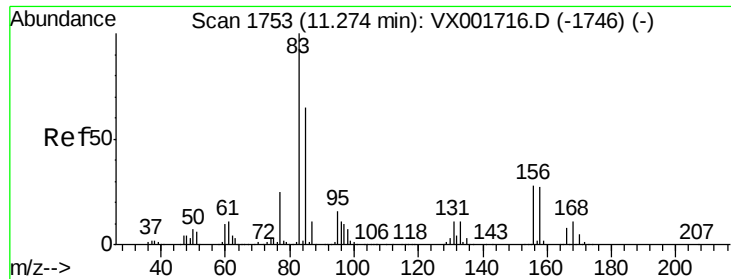
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 53.92 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 217445

Ion Ratio Lower Upper

83 100

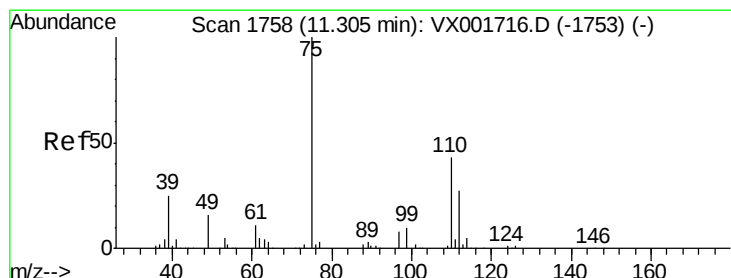
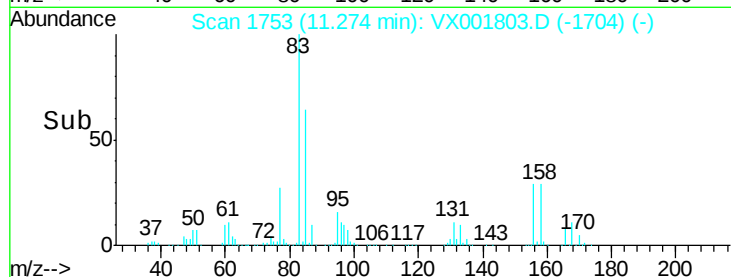
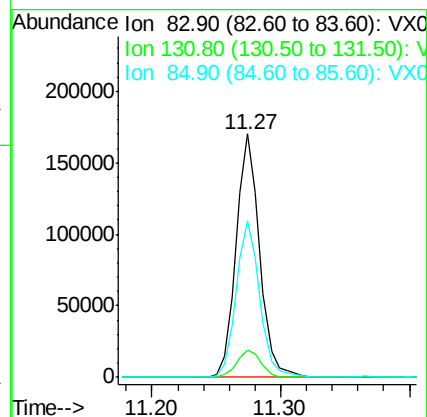
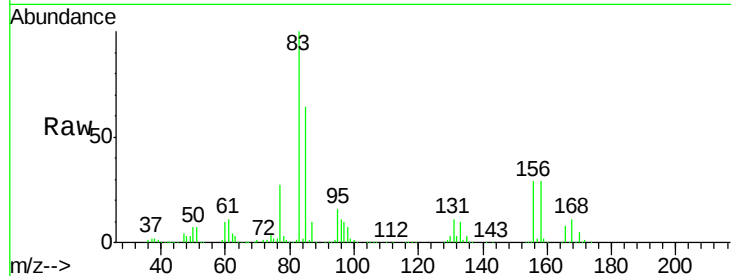
131 11.4 5.7 17.0

85 64.5 32.7 98.1

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#76

1,2,3-Trichloropropane

Concen: 54.13 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001803.D

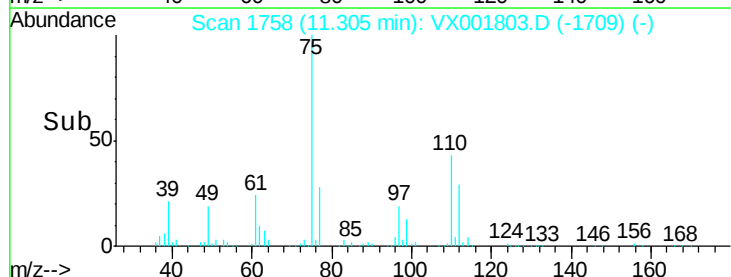
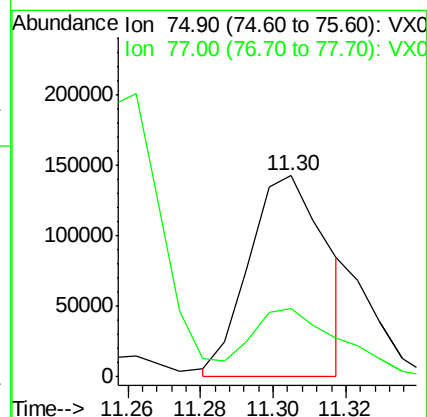
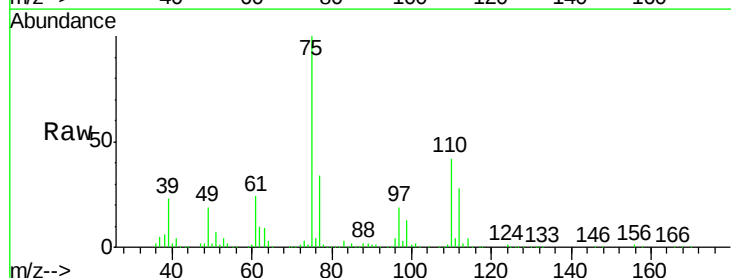
Acq: 17 May 2018 20:54

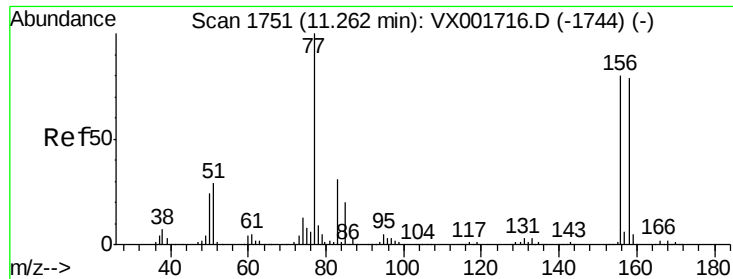
Tgt Ion: 75 Resp: 210135

Ion Ratio Lower Upper

75 100

77 39.0 18.9 56.7





#77

Bromobenzene

Concen: 52.58 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

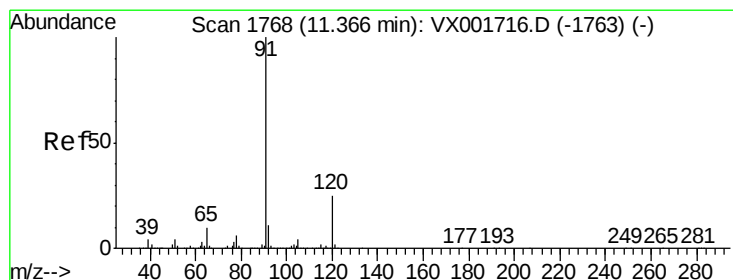
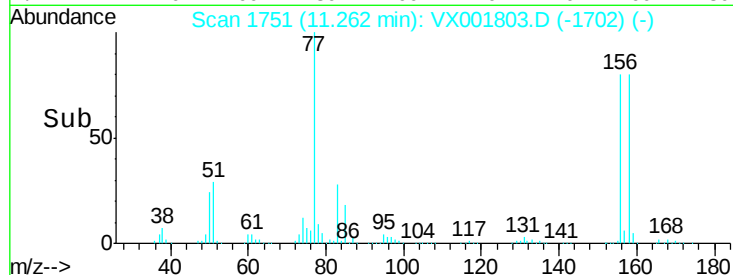
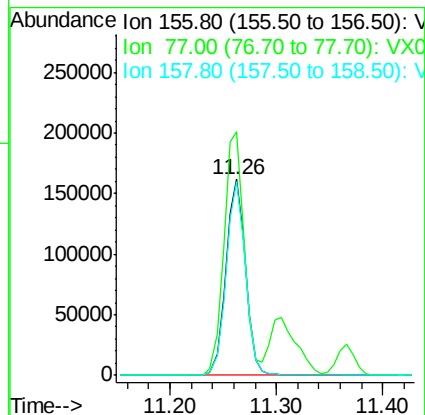
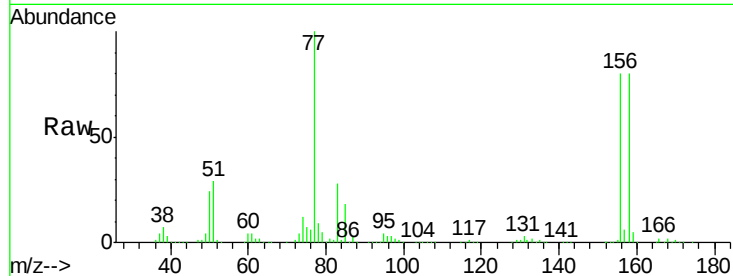
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	129.4	65.3	196.0
158	97.6	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 52.99 ug/l

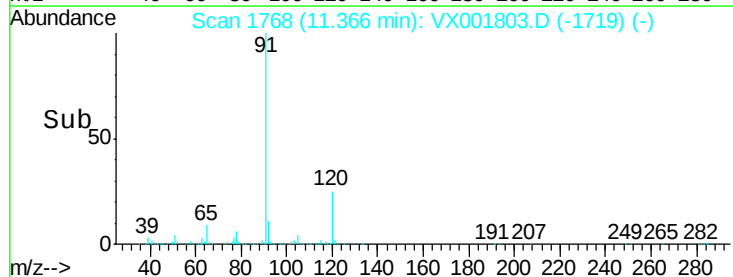
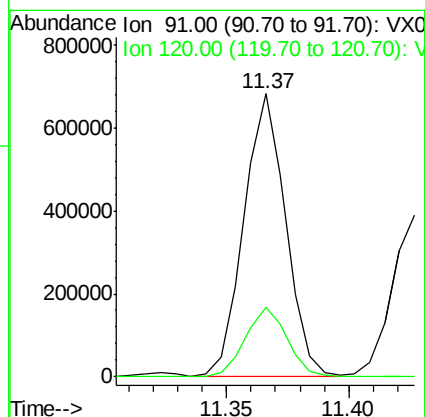
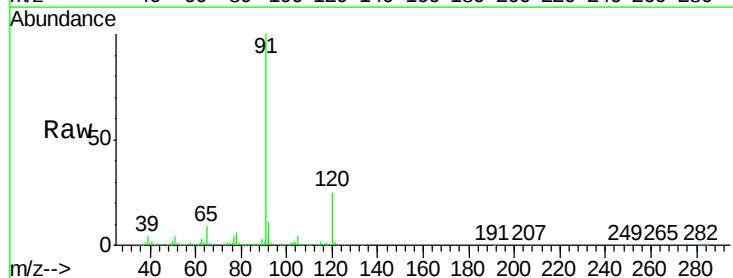
RT: 11.37 min Scan# 1768

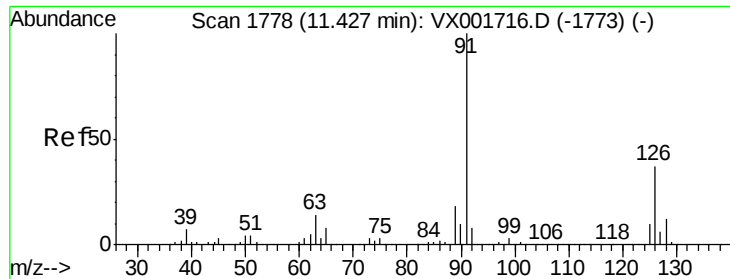
Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.5	37.5





#79

2-Chlorotoluene

Concen: 52.90 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 479174

Ion Ratio Lower Upper

91 100

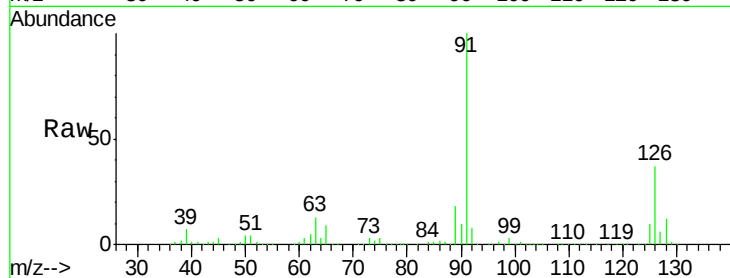
126 37.0 18.4 55.4

Manual Integrations

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

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

800000

600000

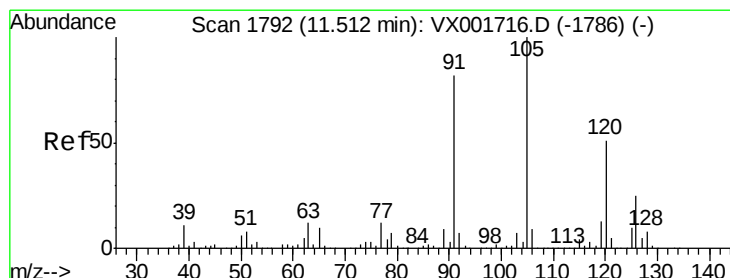
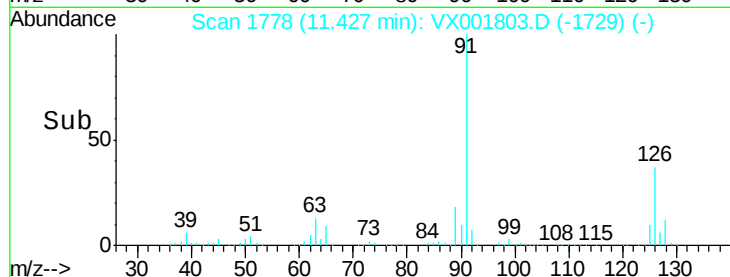
400000

200000

0

11.40 11.43 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.95 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001803.D

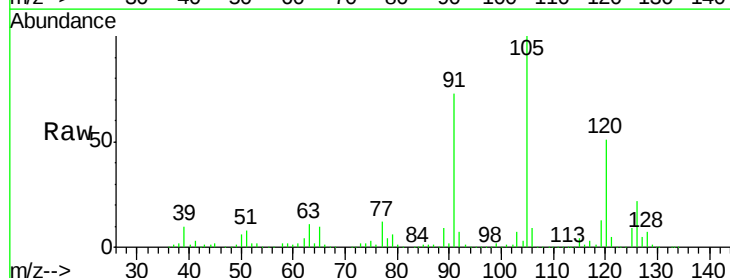
Acq: 17 May 2018 20:54

Tgt Ion: 105 Resp: 606086

Ion Ratio Lower Upper

105 100

120 51.5 25.7 77.0



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

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

600000

500000

400000

300000

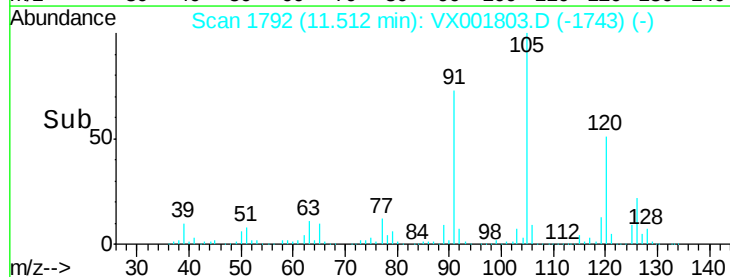
200000

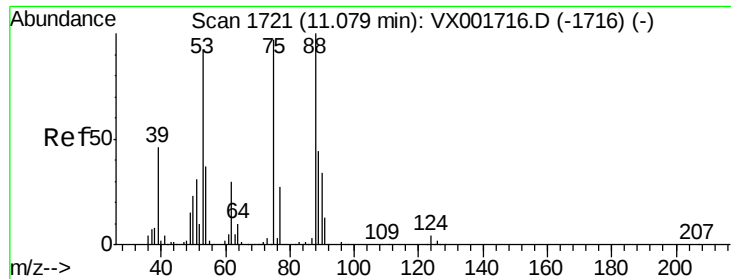
100000

0

11.40 11.50 11.60 11.70

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.70 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 60522

Ion Ratio Lower Upper

75 100

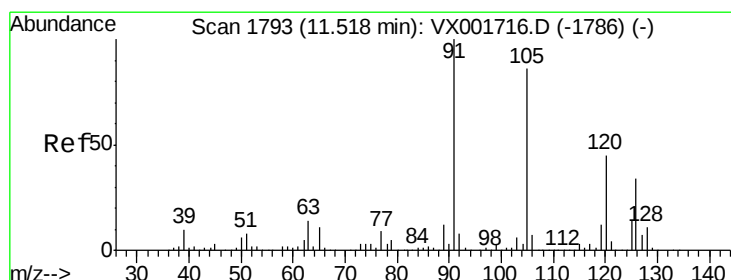
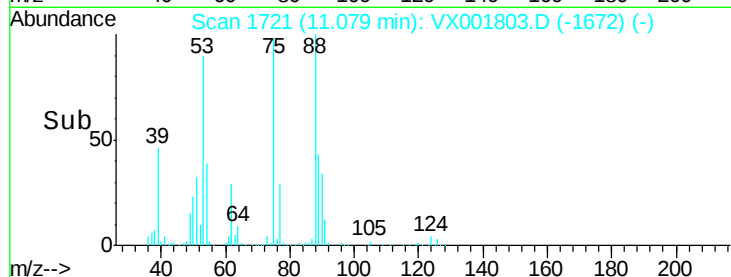
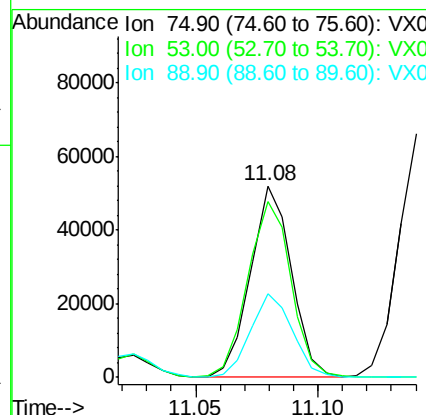
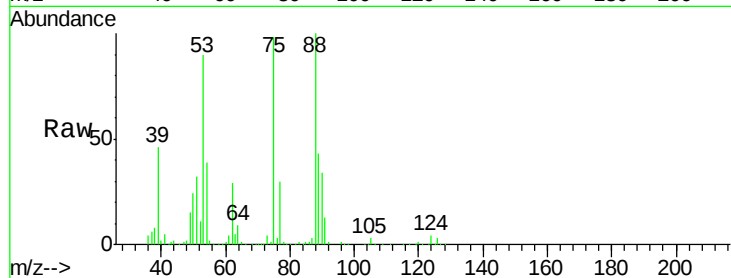
53 96.7 79.4 119.2

89 45.1 38.8 58.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.58 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001803.D

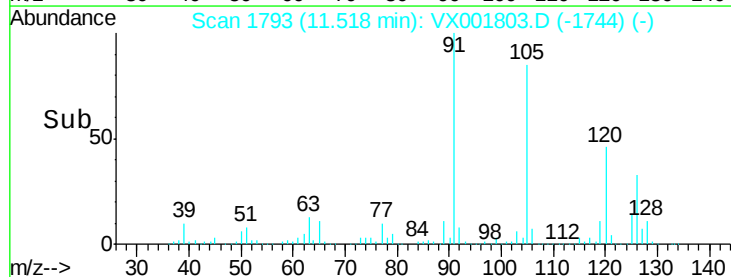
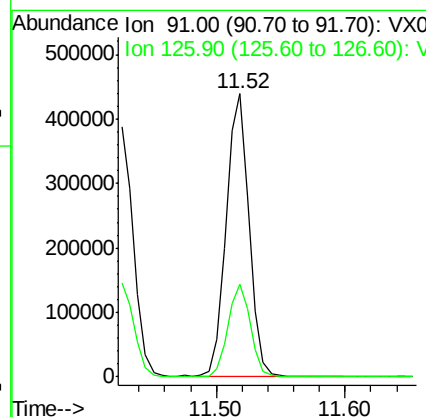
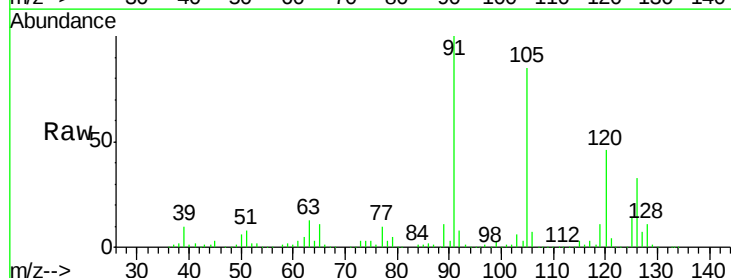
Acq: 17 May 2018 20:54

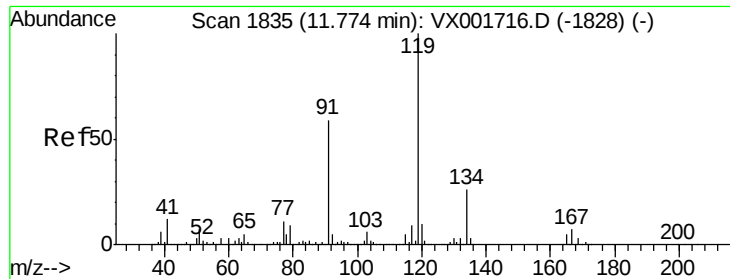
Tgt Ion: 91 Resp: 550475

Ion Ratio Lower Upper

91 100

126 32.3 16.4 49.1





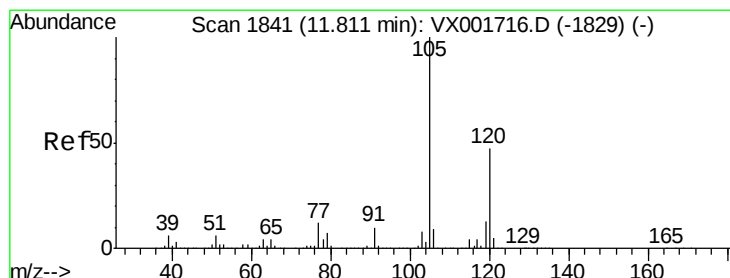
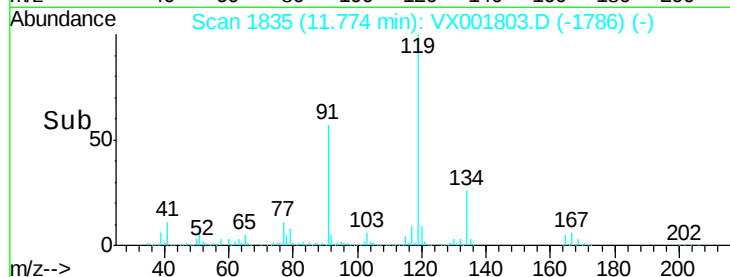
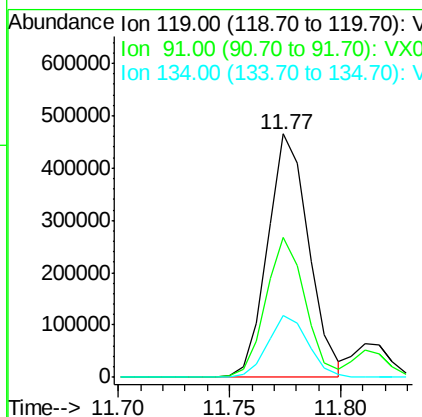
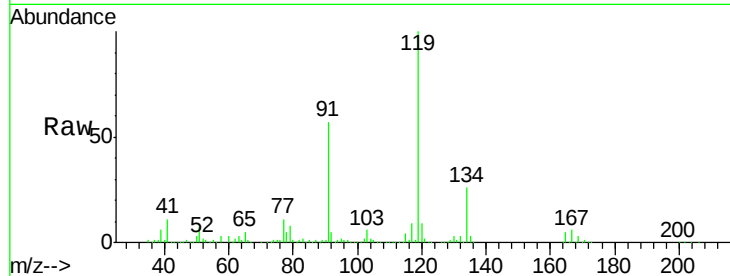
#83
tert-Butylbenzene
Concen: 54.38 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.1	27.7	83.0
134	25.1	12.7	38.1

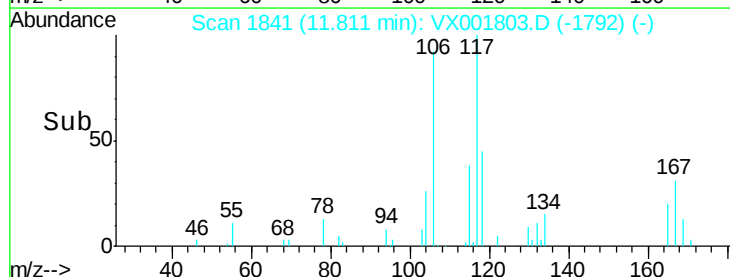
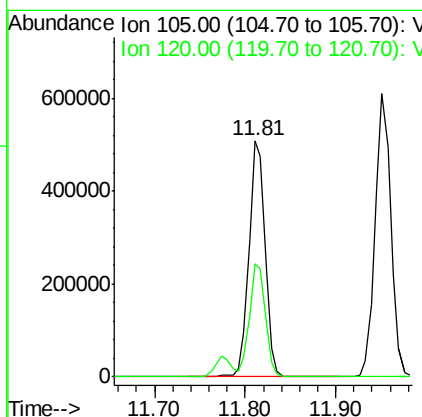
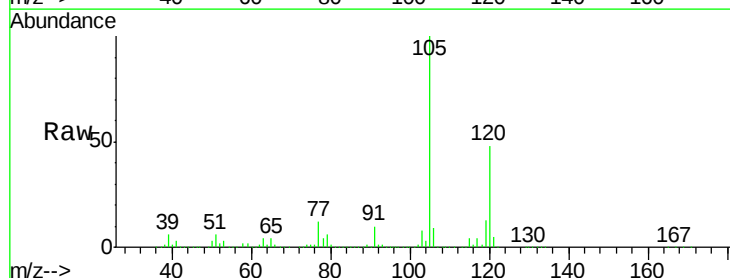
Manual Integrations
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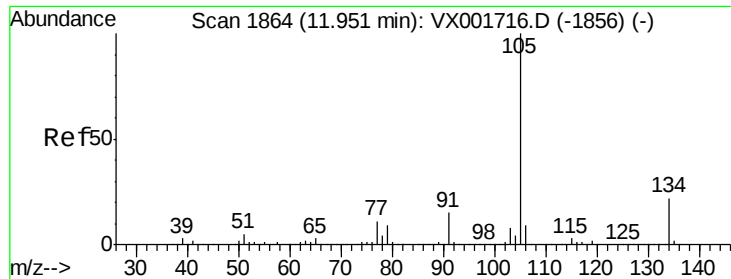
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 54.92 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.5	70.5





#85

sec-Butylbenzene

Concen: 54.13 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion:105 Resp: 733380

Ion Ratio Lower Upper

105 100

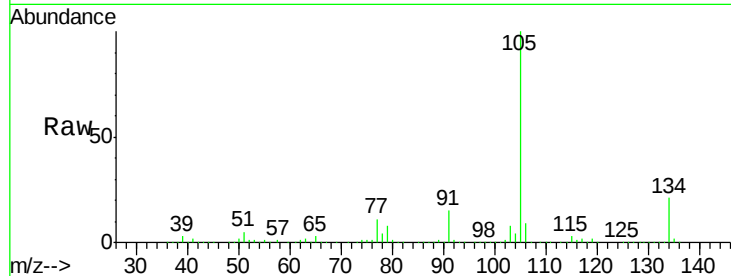
134 21.8 10.9 32.6

Manual Integrations

APPROVED

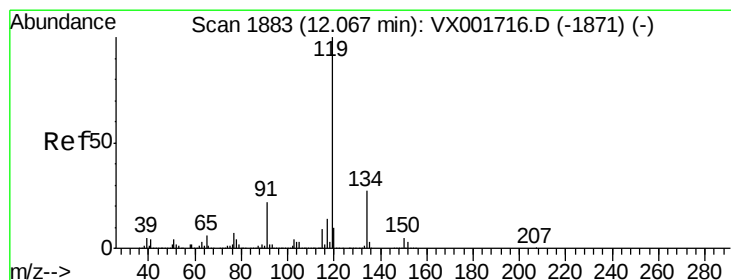
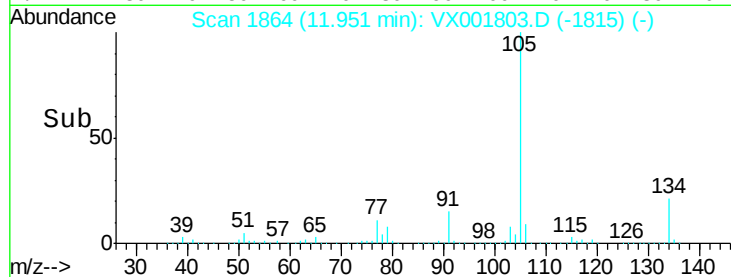
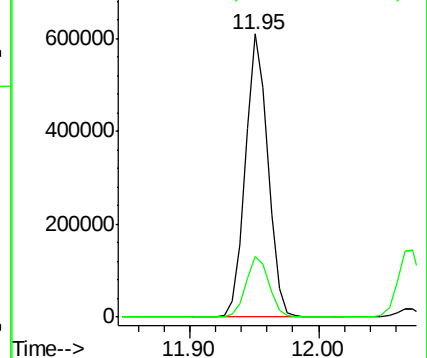
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.43 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

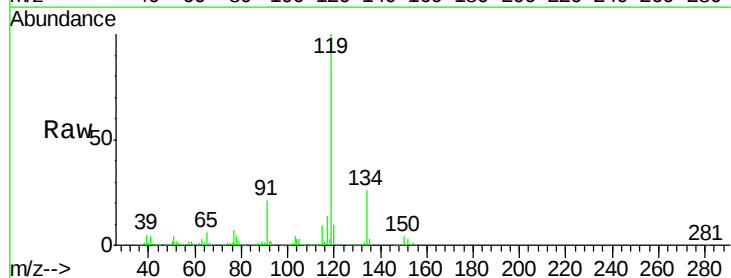
Tgt Ion:119 Resp: 669845

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

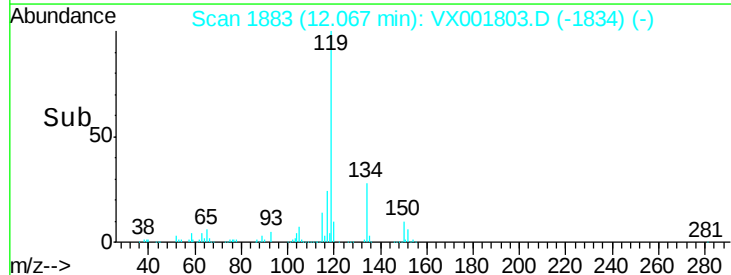
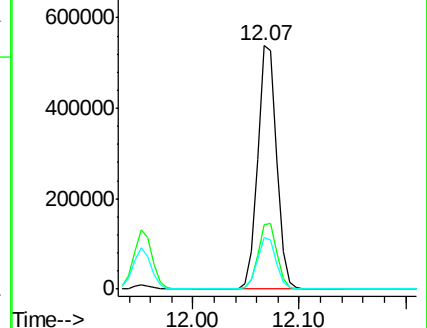
91 21.0 10.7 32.1



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): V





#87

1,3-Dichlorobenzene

Concen: 50.68 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

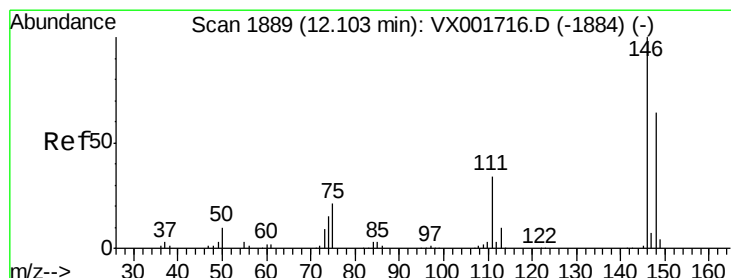
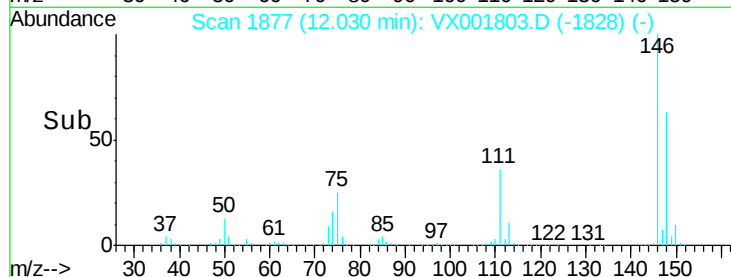
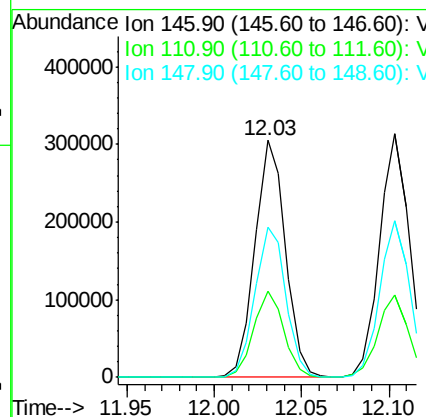
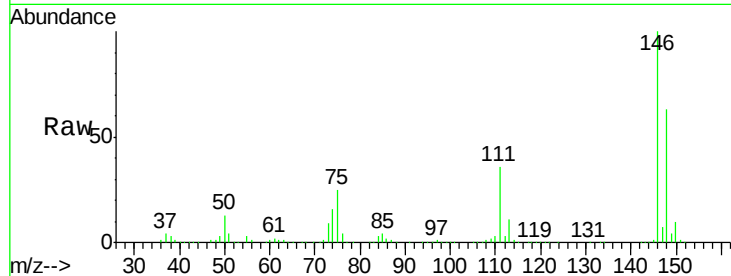
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	370252
Ion Ratio	Lower	Upper	
146	100		
111	35.9	17.8	53.4
148	64.6	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.02 ug/l

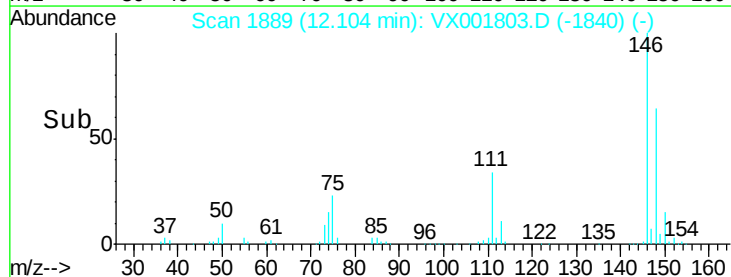
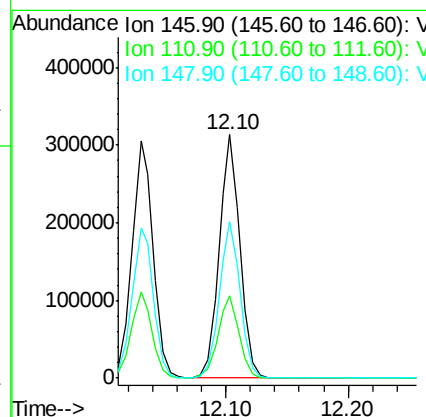
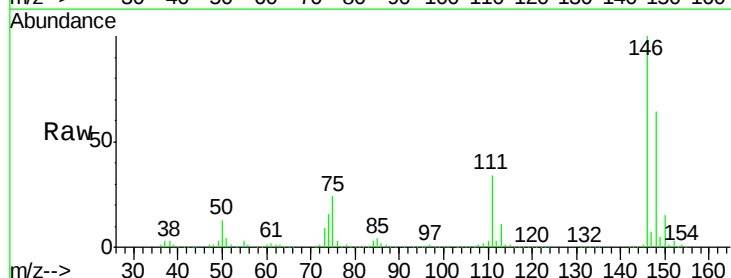
RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Tgt Ion:	146	Resp:	370285
Ion Ratio	Lower	Upper	
146	100		
111	34.4	17.3	52.0
148	64.6	32.3	96.9





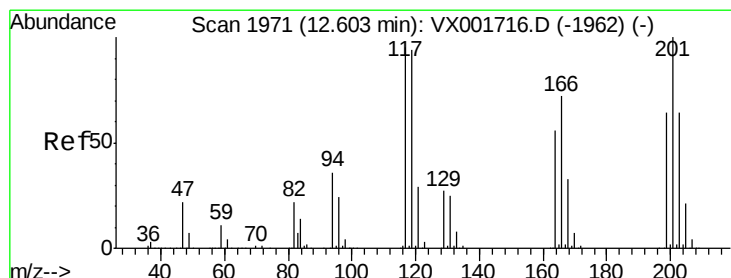
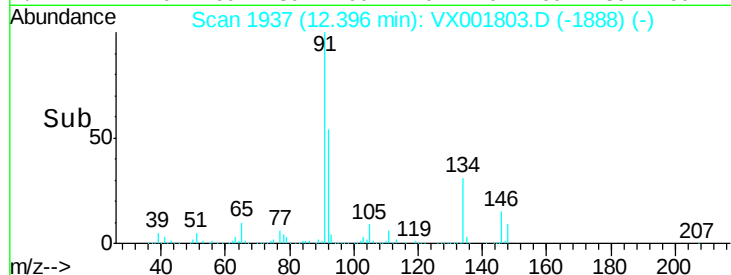
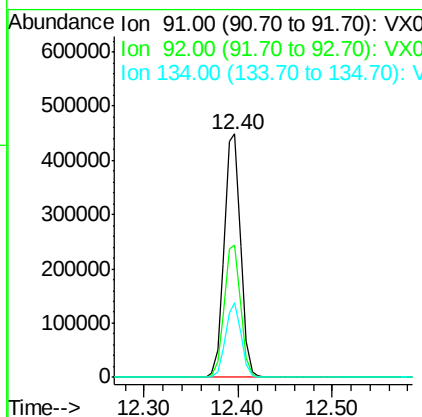
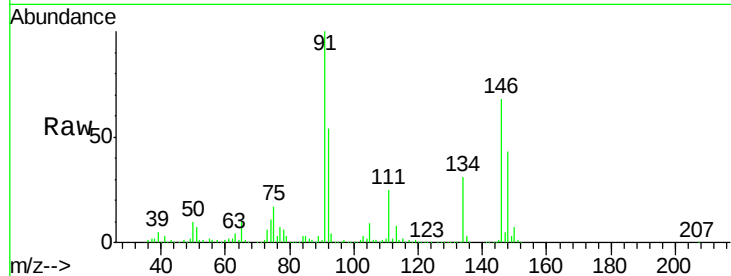
#89
n-Butylbenzene
Concen: 49.79 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.3	81.9
134	29.2	14.7	44.1

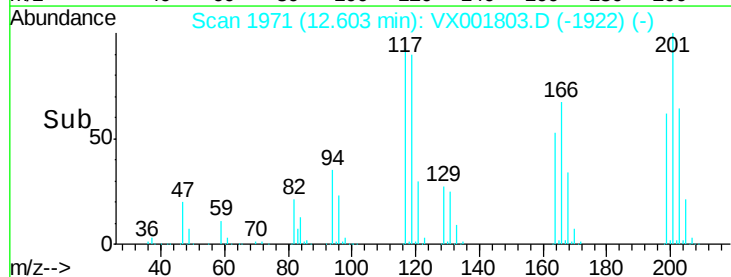
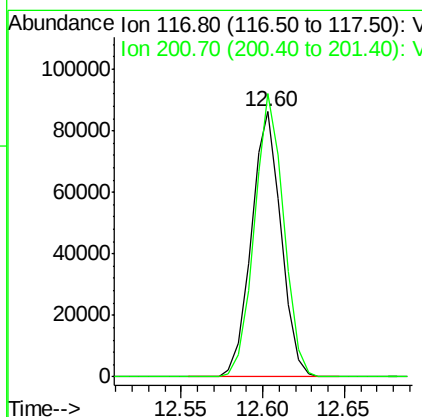
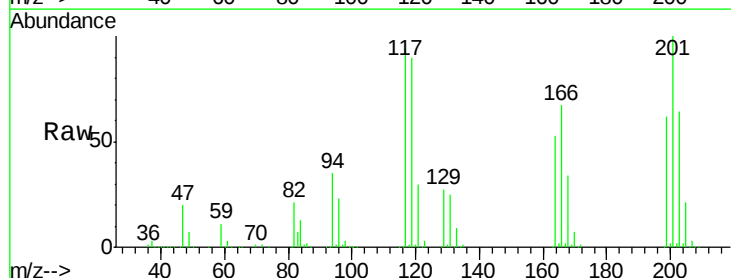
Manual Integrations
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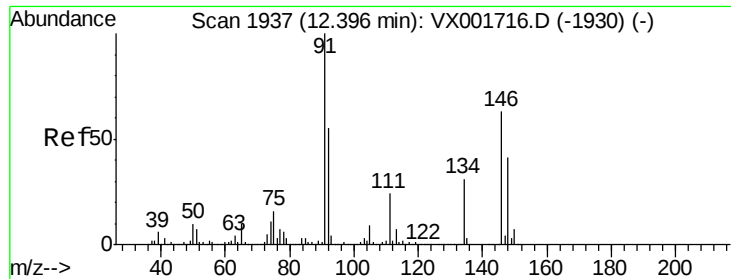
MMDadoda
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#90
Hexachloroethane
Concen: 55.81 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001803.D
Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	105.1	51.9	155.7





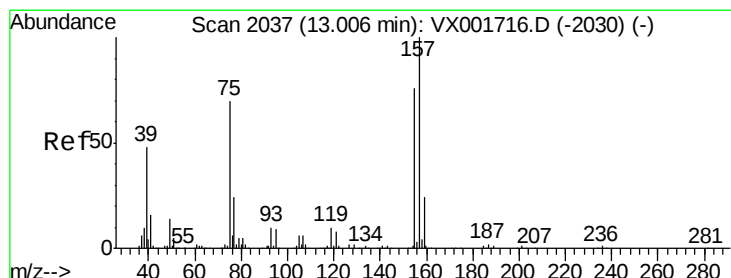
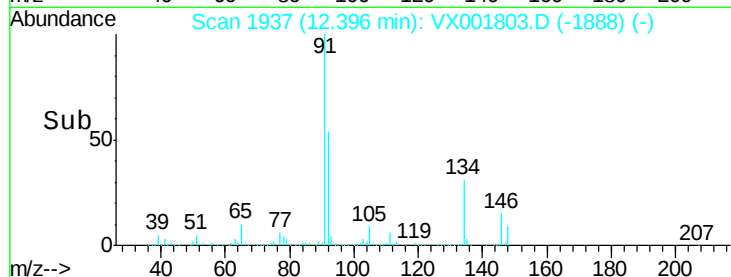
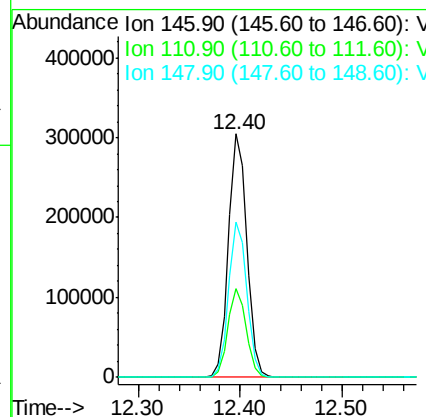
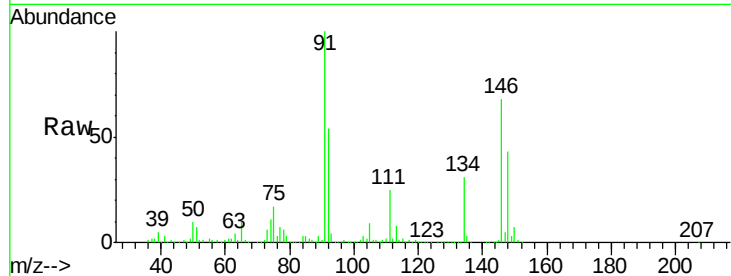
#91
 1,2-Dichlorobenzene
 Concen: 52.38 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001803.D
 Acq: 17 May 2018 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	381296		
111	36.3	18.6	56.0	
148	63.5	32.4	97.0	

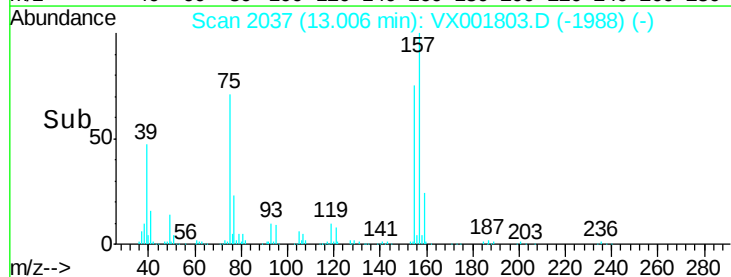
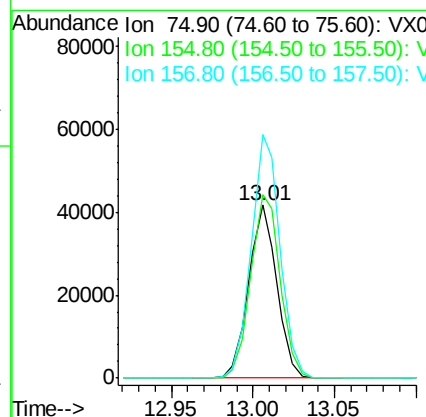
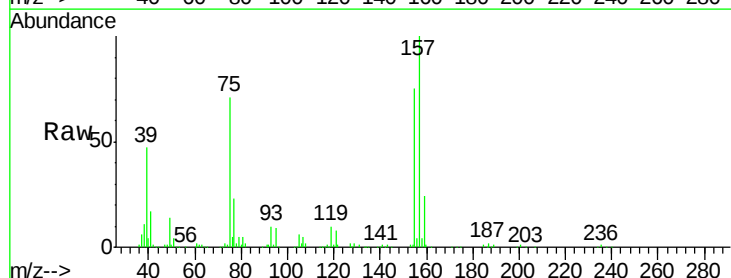
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.52 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001803.D
 Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	50369		
155	110.6	53.9	161.8	
157	143.4	71.0	213.2	





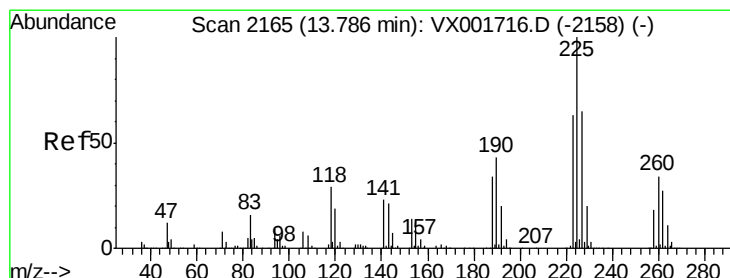
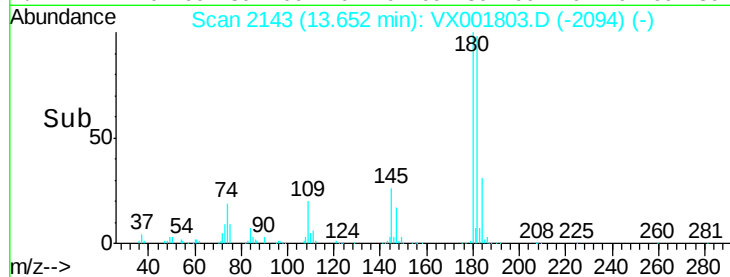
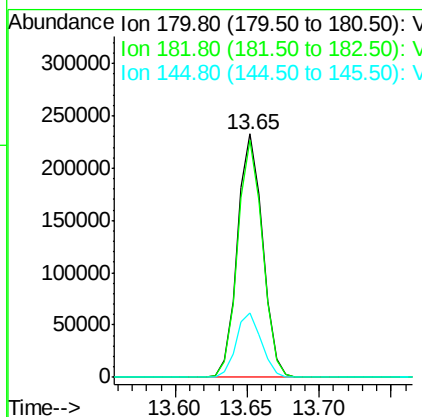
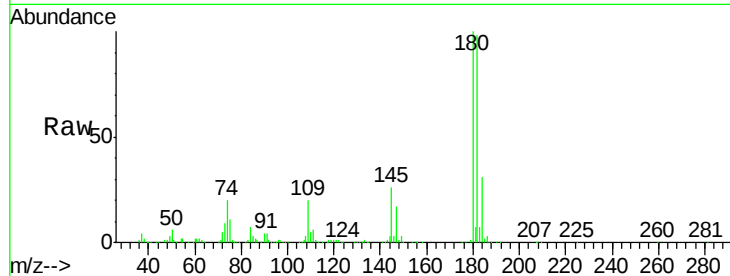
#93
 1,2,4-Trichlorobenzene
 Concen: 48.87 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001803.D
 Acq: 17 May 2018 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	283539		
182	96.4	47.6	142.9	
145	26.7	13.4	40.1	

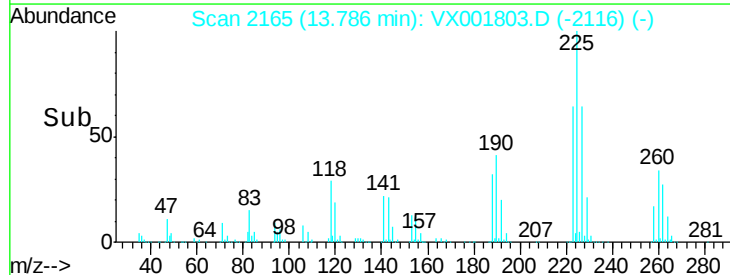
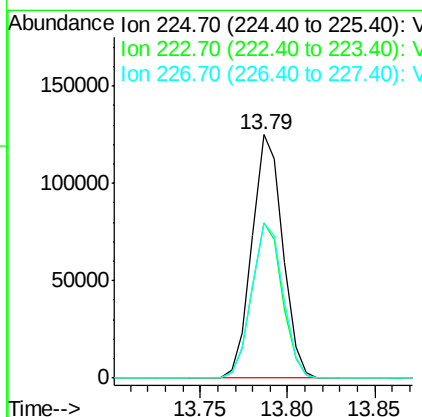
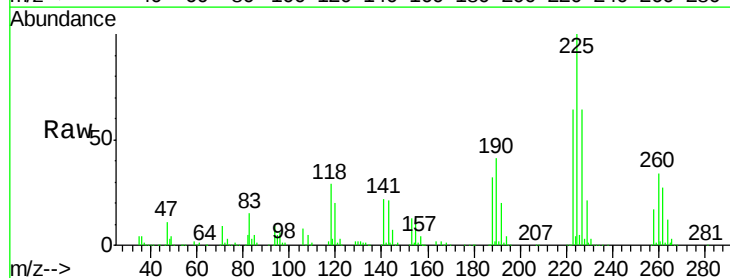
Manual Integrations
 APPROVED

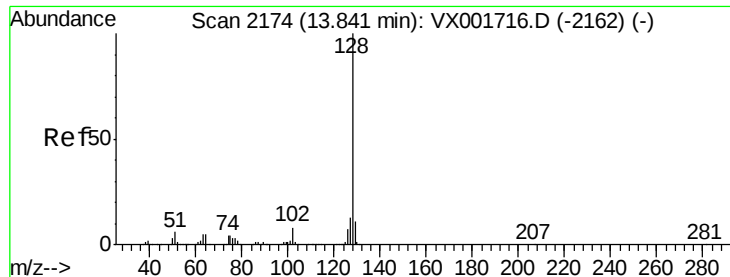
MMDadoda
 5/21/2018 12:52:52 PM



#94
 Hexachlorobutadiene
 Concen: 49.01 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001803.D
 Acq: 17 May 2018 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	152655		
223	63.3	31.1	93.5	
227	65.0	31.9	95.5	





#95

Naphthalene

Concen: 55.12 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Instrument :

MSVOA_X

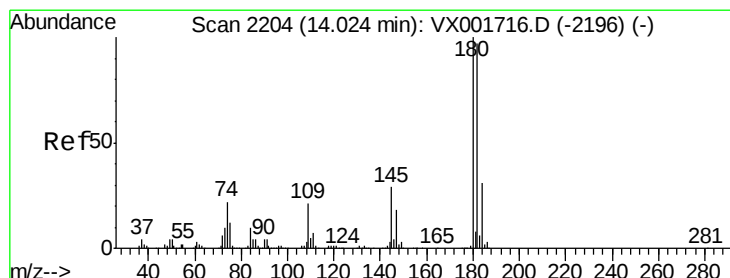
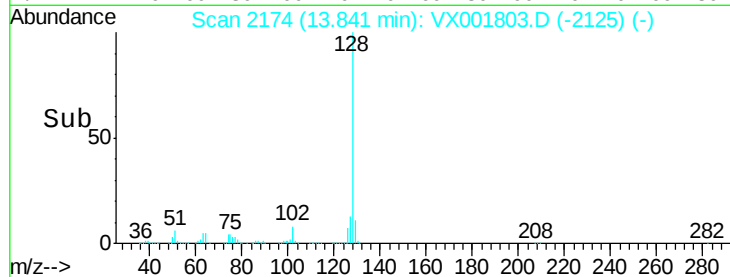
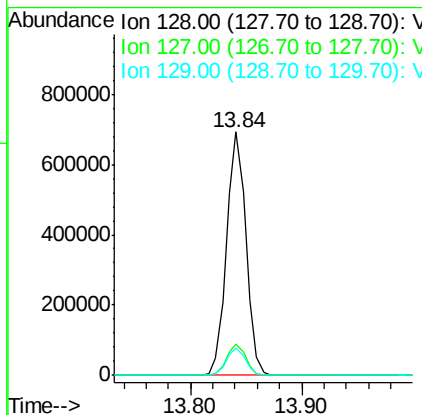
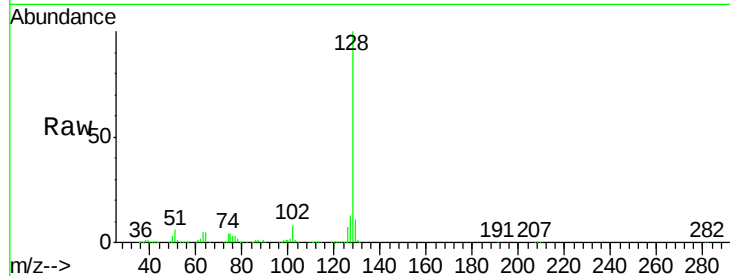
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	831355
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/21/2018 12:52:52 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.61 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001803.D

Acq: 17 May 2018 20:54

Tgt Ion:	180	Resp:	295671
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.9	143.7
145	28.6	14.2	42.8

