

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
 Data File : VX001758.D
 Acq On : 15 May 2018 20:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: May 16 05:49:03 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	291758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	387682	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	339247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	218147	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	199559	51.03	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.06%		
35) Dibromofluoromethane	5.51	113	171191	52.33	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.66%		
50) Toluene-d8	8.72	98	629074	53.69	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.38%		
62) 4-Bromofluorobenzene	11.15	95	210733	49.95	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.90%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	145130	49.57	ug/l	99
3) Chloromethane	1.32	50	162035	51.23	ug/l	99
4) Vinyl Chloride	1.40	62	174151	50.93	ug/l	99
5) Bromomethane	1.64	94	65325	45.08	ug/l	97
6) Chloroethane	1.71	64	116295	54.00	ug/l	99
7) Trichlorofluoromethane	1.92	101	247755	49.86	ug/l	98
8) Diethyl Ether	2.19	74	104818	51.25	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	143973	48.13	ug/l	99
10) Methyl Iodide	2.51	142	183629	66.73	ug/l	99
11) Tert butyl alcohol	3.09	59	204961	295.21	ug/l	99
12) 1,1-Dichloroethene	2.37	96	142703	49.49	ug/l	99
13) Acrolein	2.30	56	133413	270.93	ug/l	99
14) Allyl chloride	2.73	41	274013	51.41	ug/l	97
15) Acrylonitrile	3.15	53	484985	278.11	ug/l	100
16) Acetone	2.45	43	412254	268.40	ug/l	99
17) Carbon Disulfide	2.57	76	356590	47.40	ug/l	100
18) Methyl Acetate	2.78	43	259340	57.75	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	503887	51.84	ug/l	99
20) Methylene Chloride	2.85	84	165622	50.37	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	154287	48.57	ug/l	97
22) Diisopropyl ether	3.88	45	533701	52.19	ug/l	99
23) Vinyl Acetate	3.83	43	1812414	246.01	ug/l	100
24) 1,1-Dichloroethane	3.70	63	289370	51.60	ug/l	100
25) 2-Butanone	4.72	43	669037	284.50	ug/l	99
26) 2,2-Dichloropropane	4.59	77	173647	38.46	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	180286	49.87	ug/l	99
28) Bromochloromethane	5.03	49	138068	55.43	ug/l	99
29) Tetrahydrofuran	5.18	42	438757	286.23	ug/l	100
30) Chloroform	5.22	83	304246	51.65	ug/l	99
31) Cyclohexane	5.57	56	244919	49.83	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	265415	52.14	ug/l	99
36) 1,1-Dichloropropene	5.81	75	215027	48.18	ug/l	100
37) Ethyl Acetate	4.88	43	252711	54.34	ug/l	99
38) Carbon Tetrachloride	5.79	117	237350	50.77	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	251804	48.29	ug/l	99
40) Benzene	6.15	78	674459	51.29	ug/l	99
41) Methacrylonitrile	5.07	41	144685	53.79	ug/l	99
42) 1,2-Dichloroethane	6.20	62	243786	51.26	ug/l	100
43) Isopropyl Acetate	6.48	43	389497	53.51	ug/l	99
44) Trichloroethene	7.22	130	203807	49.94	ug/l	99
45) 1,2-Dichloropropane	7.52	63	167097	51.79	ug/l	100
46) Dibromomethane	7.67	93	116147	51.27	ug/l	98
47) Bromodichloromethane	7.91	83	226870	53.96	ug/l	95
48) Methyl methacrylate	7.79	41	210730	55.00	ug/l	99
49) 1,4-Dioxane	7.77	88	94621	1282.60	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	1338554	290.16	ug/l	100
52) Toluene	8.79	92	441185	52.22	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	256110	51.78	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	212904	48.83	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	166811	51.65	ug/l	99
56) Ethyl methacrylate	9.19	69	245161	53.53	ug/l	99
57) 1,3-Dichloropropane	9.38	76	274791	50.82	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	640400	271.82	ug/l	100
59) 2-Hexanone	9.51	43	950809	287.93	ug/l	99
60) Dibromochloromethane	9.59	129	180278	54.51	ug/l	99
61) 1,2-Dibromoethane	9.68	107	176579	52.23	ug/l	100
64) Tetrachloroethene	9.34	164	238225	53.94	ug/l	100
65) Chlorobenzene	10.15	112	460249	49.32	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	174599	52.98	ug/l	99
67) Ethyl Benzene	10.26	91	756905	50.75	ug/l	99
68) m/p-Xylenes	10.37	106	604454	102.73	ug/l	100
69) o-Xylene	10.71	106	295071	52.36	ug/l	100
70) Styrene	10.72	104	489622	52.68	ug/l	100
71) Bromoform	10.87	173	149234	48.73	ug/l	99
73) Isopropylbenzene	11.02	105	780869	54.35	ug/l	100
74) N-amyl acetate	6.48	43	389497	56.55	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	235926	54.75	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	229097m	55.23	ug/l	
77) Bromobenzene	11.26	156	222664	52.75	ug/l	99
78) n-propylbenzene	11.37	91	847782	52.38	ug/l	100
79) 2-Chlorotoluene	11.43	91	514839	53.19	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	643589	54.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	62787	45.43	ug/l	99
82) 4-Chlorotoluene	11.52	91	586119	51.40	ug/l	99
83) tert-Butylbenzene	11.77	119	639847	54.55	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	666231	54.59	ug/l	100
85) sec-Butylbenzene	11.95	105	768559	53.08	ug/l	100
86) p-Isopropyltoluene	12.07	119	704050	52.55	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	392847	50.32	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	393558	48.75	ug/l	100
89) n-Butylbenzene	12.40	91	564157	48.69	ug/l	100
90) Hexachloroethane	12.60	117	113477	54.54	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	401632	51.63	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	54213	58.94	ug/l	98

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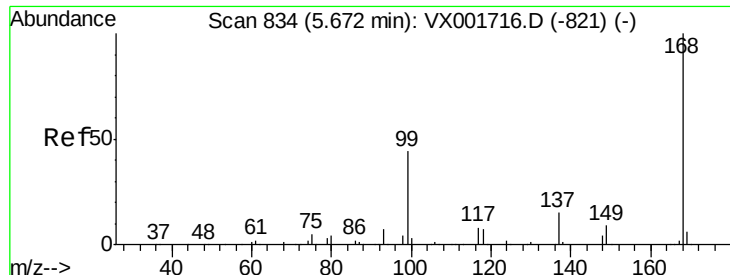
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	298536	48.15	ug/l	100
94) Hexachlorobutadiene	13.79	225	154053	46.28	ug/l	99
95) Naphthalene	13.84	128	894651	55.51	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	315747	50.57	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

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Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 291758

Ion Ratio Lower Upper

168 100

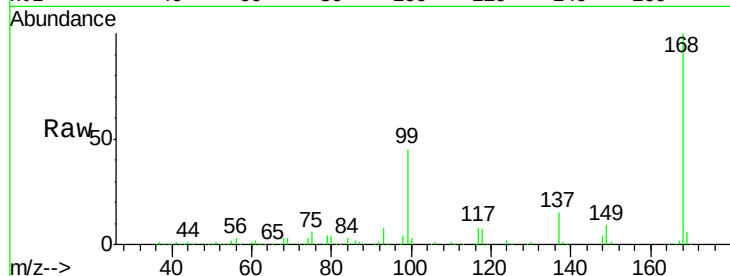
99 44.8 35.0 52.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

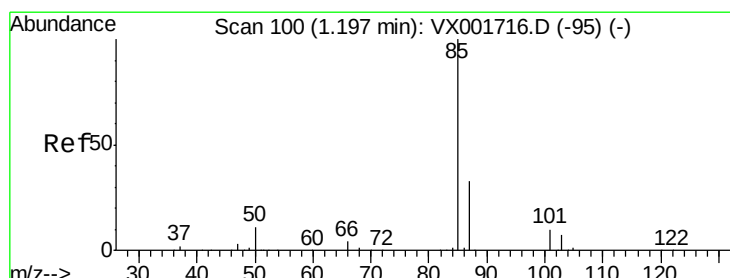
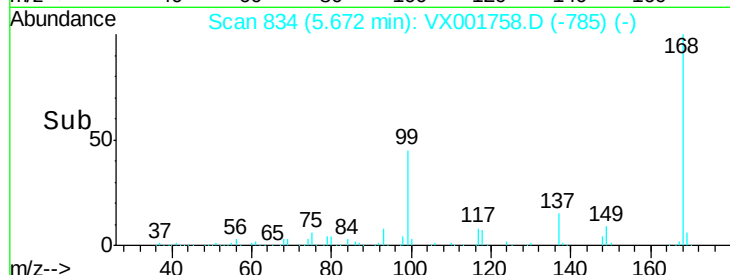
0

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.57 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001758.D

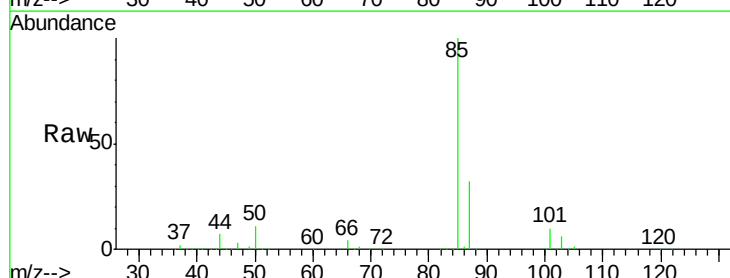
Acq: 15 May 2018 20:58

Tgt Ion: 85 Resp: 145130

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

100000

50000

0

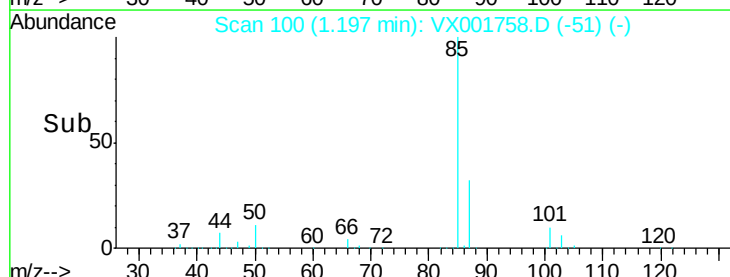
1.15

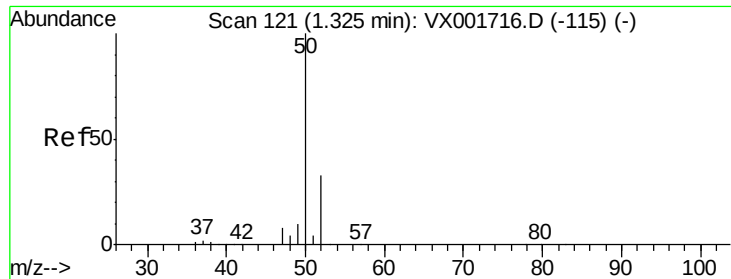
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 51.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 162035

Ion Ratio Lower Upper

50 100

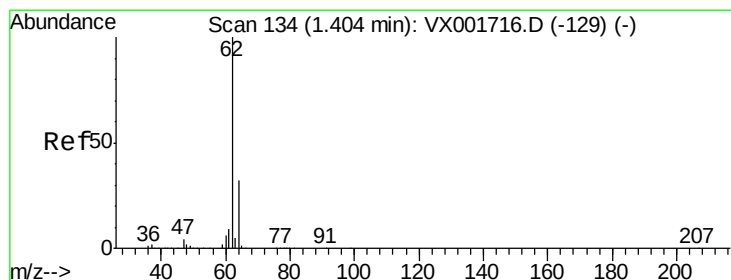
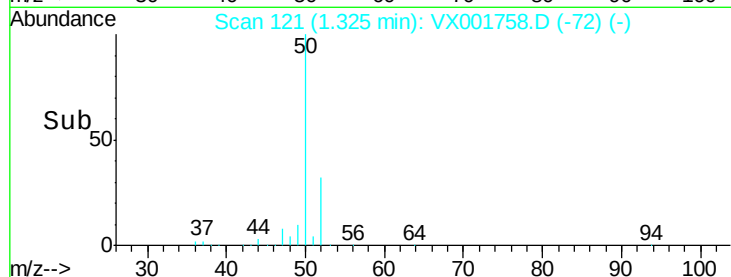
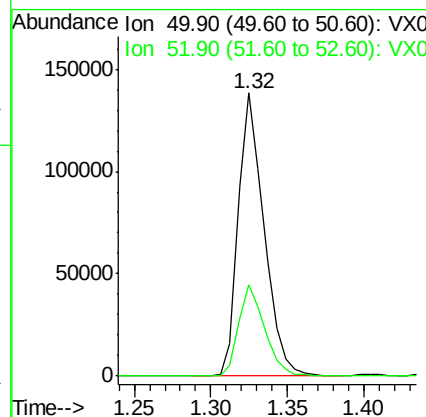
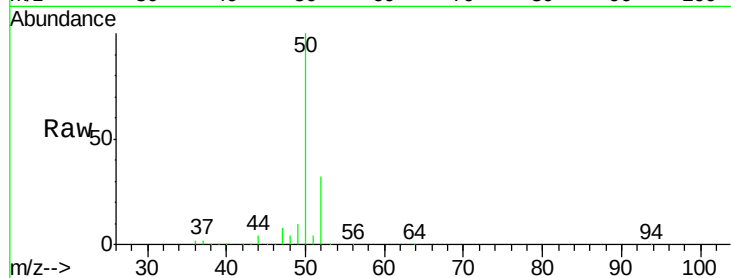
52 32.2 26.3 39.5

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#4

Vinyl Chloride

Concen: 50.93 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001758.D

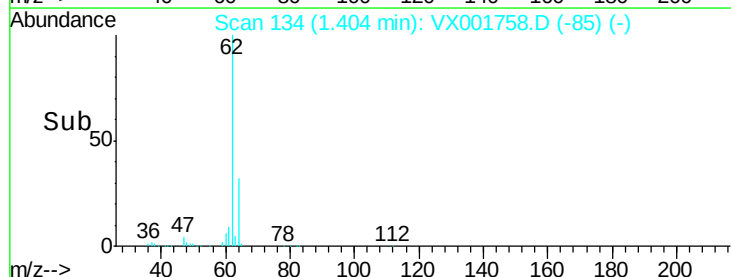
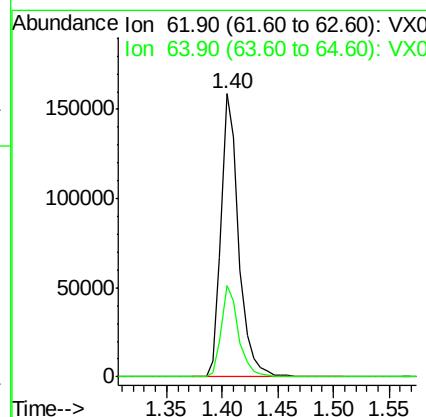
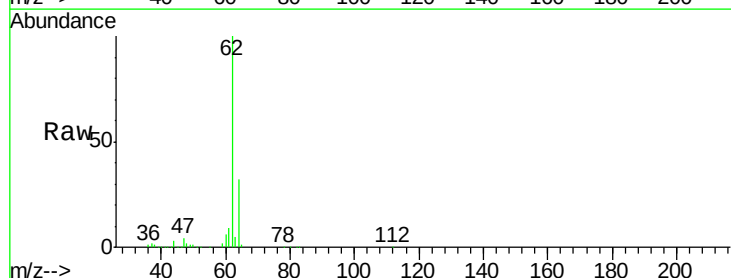
Acq: 15 May 2018 20:58

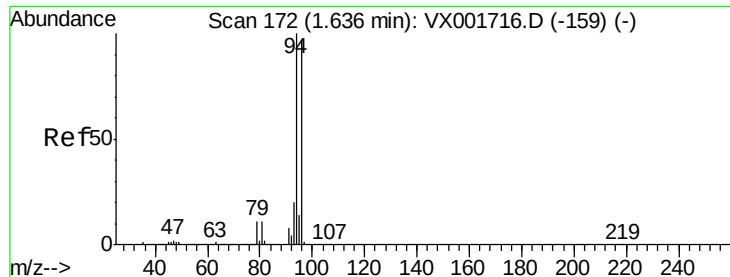
Tgt Ion: 62 Resp: 174151

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





#5

Bromomethane

Concen: 45.08 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 65325

Ion Ratio Lower Upper

94 100

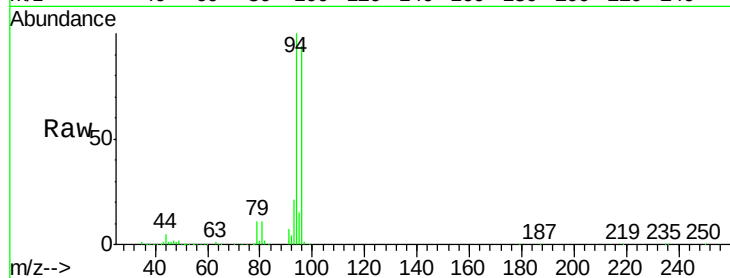
96 93.6 77.4 116.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

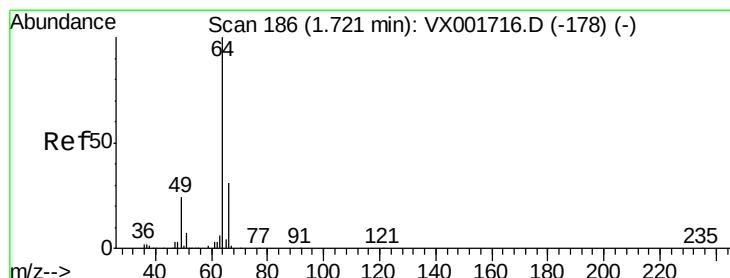
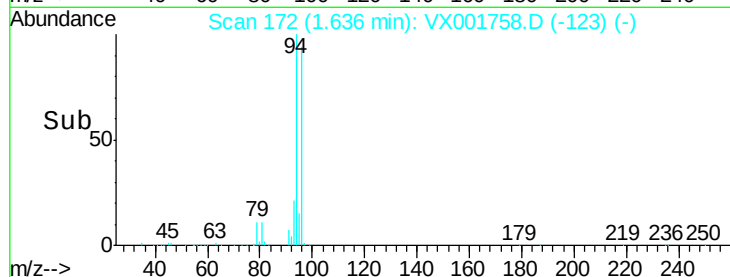
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 54.00 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX001758.D

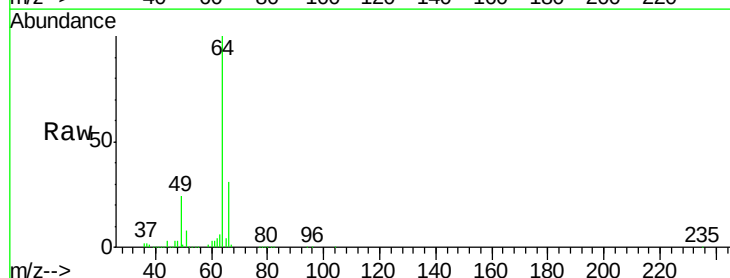
Acq: 15 May 2018 20:58

Tgt Ion: 64 Resp: 116295

Ion Ratio Lower Upper

64 100

66 31.1 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

100000

80000

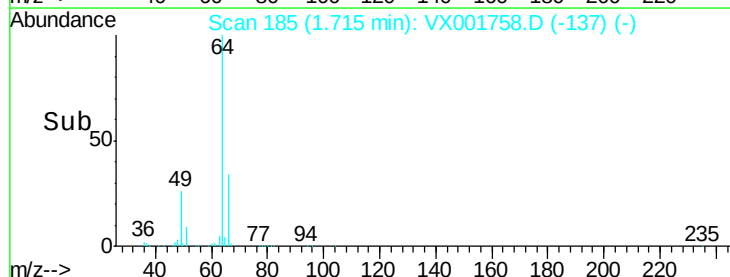
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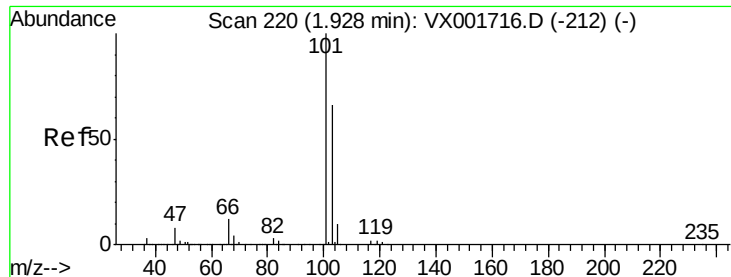
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20000

0

Time-->





#7

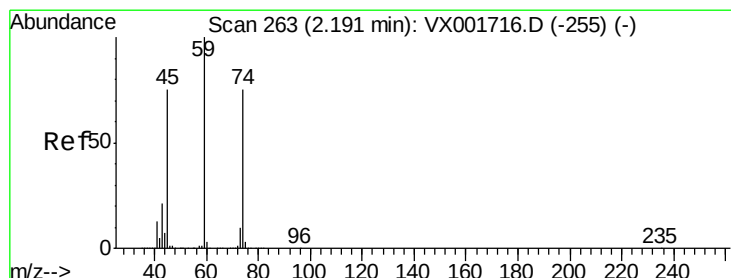
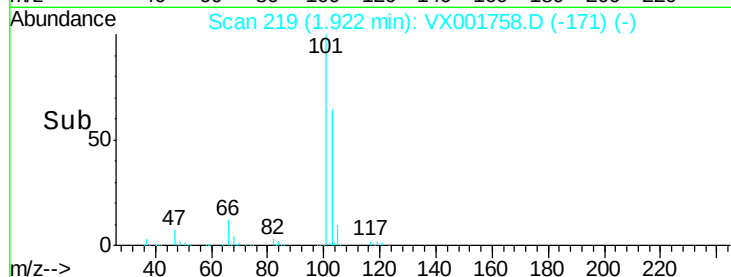
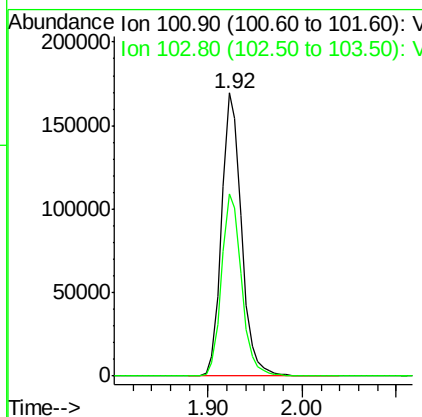
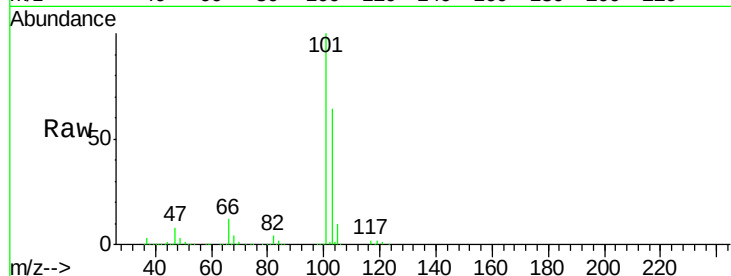
Trichlorofluoromethane
Concen: 49.86 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX001758.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	247755		
103	64.3	52.6	78.8	

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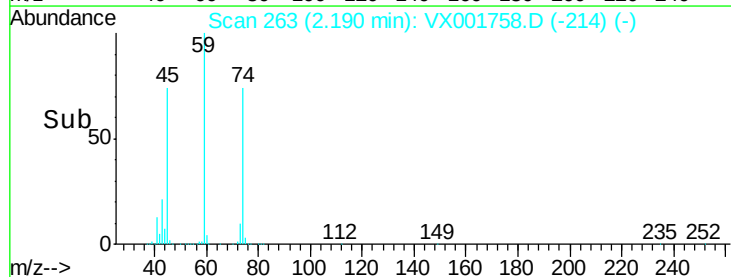
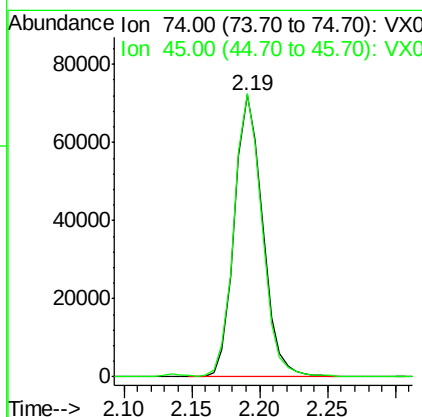
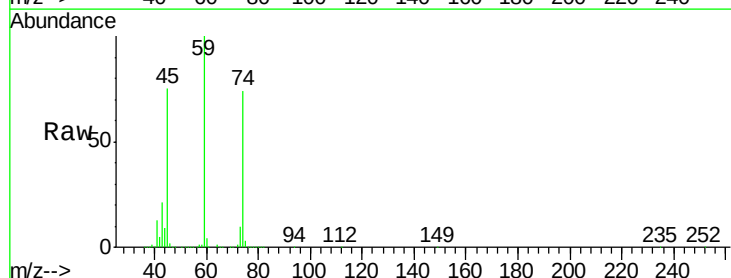
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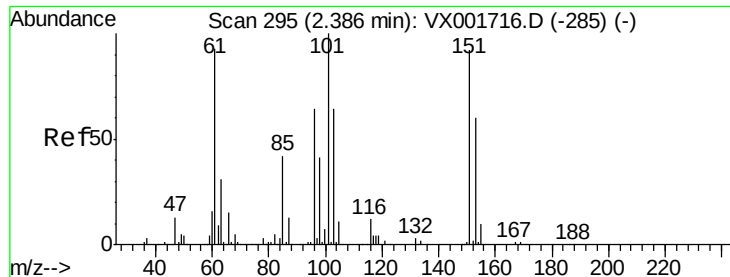


#8

Diethyl Ether
Concen: 51.25 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	104818		
45	98.4	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.13 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

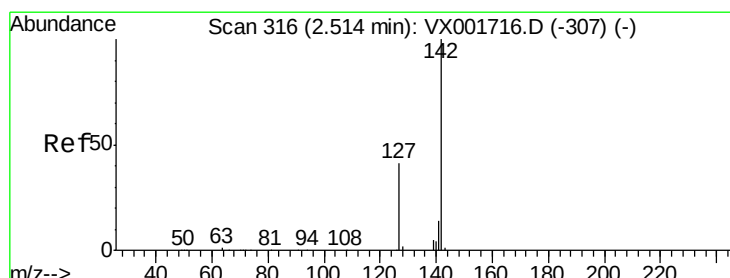
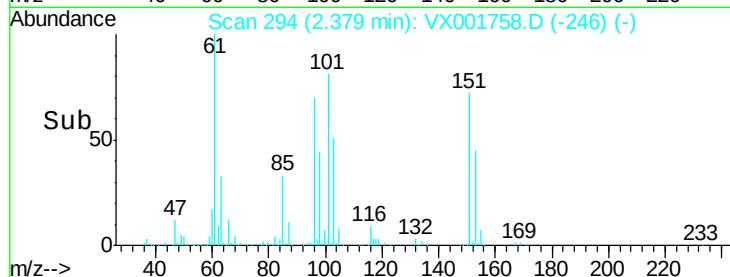
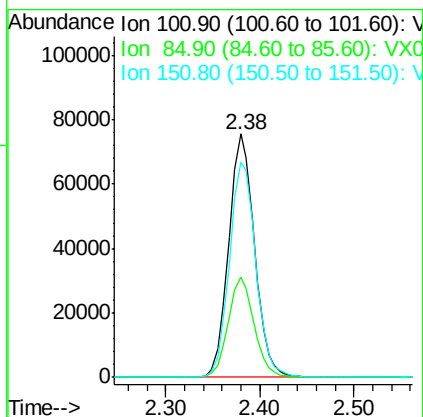
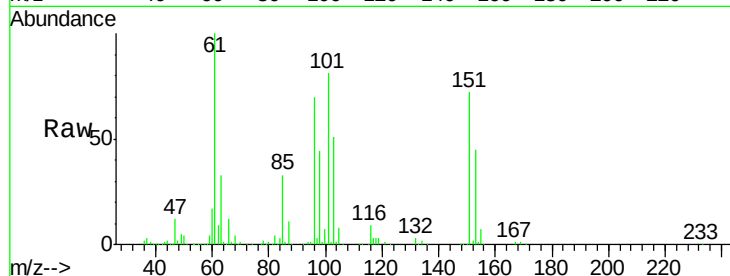
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	143973
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.7	50.5
151	90.3	73.0	109.6

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#10

Methyl Iodide

Concen: 66.73 ug/l

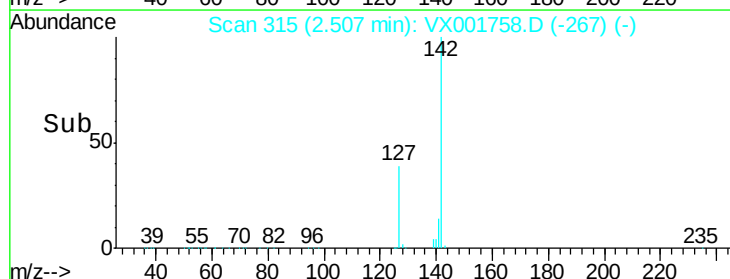
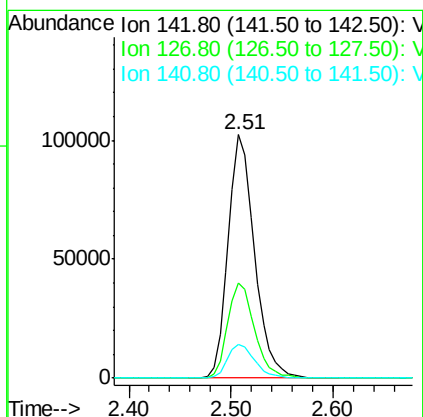
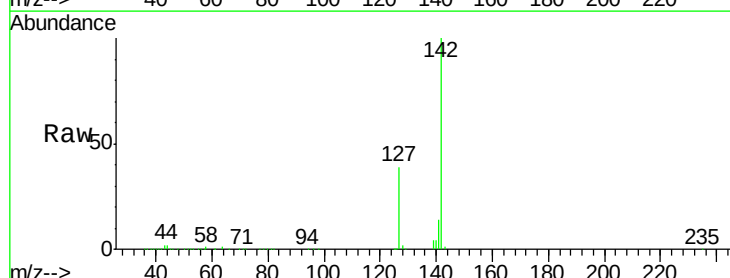
RT: 2.51 min Scan# 315

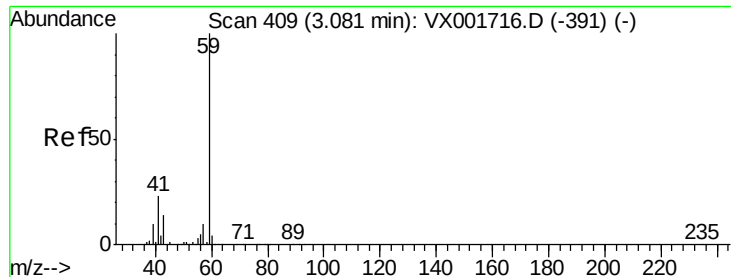
Delta R.T. -0.01 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Tgt Ion:	142	Resp:	183629
Ion Ratio	Lower	Upper	
142	100		
127	39.8	32.5	48.7
141	14.2	11.4	17.0





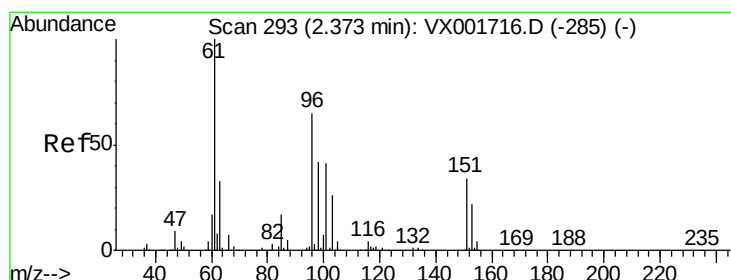
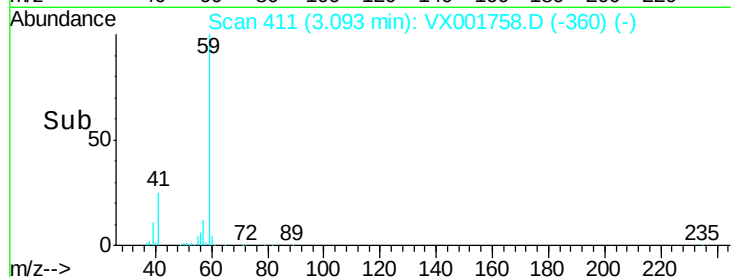
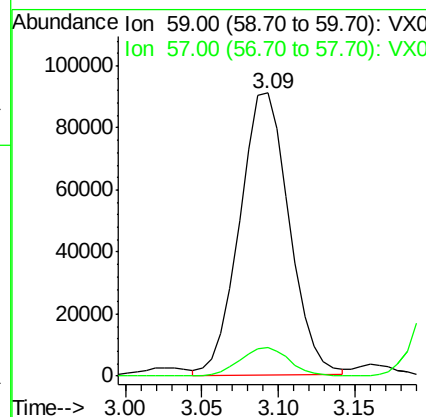
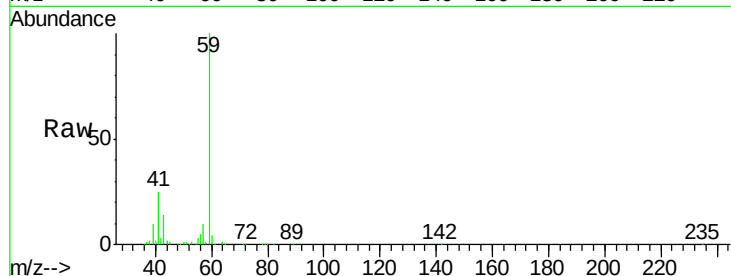
#11
Tert butyl alcohol
Concen: 295.21 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.01 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.5	12.7

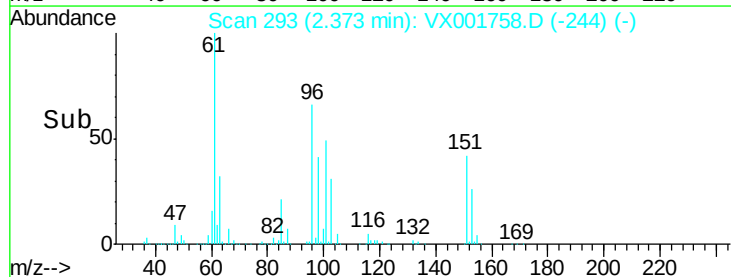
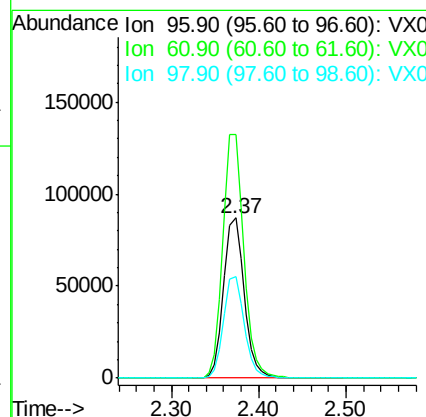
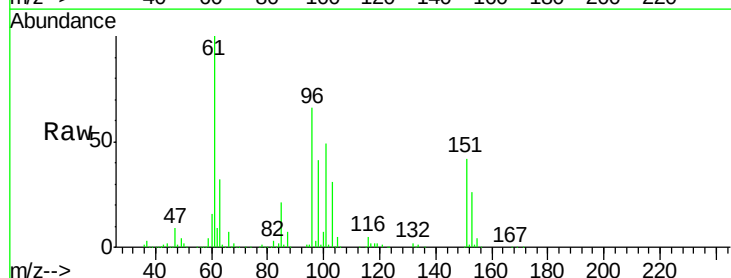
Manual Integrations
APPROVED

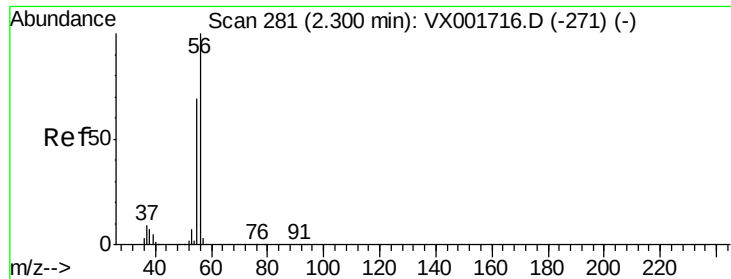
MMDadoda
5/16/2018 11:54:16 AM



#12
1,1-Dichloroethene
Concen: 49.49 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.3	122.2	183.2
98	63.1	51.4	77.0





#13

Acrolein

Concen: 270.93 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 133413

Ion Ratio Lower Upper

56 100

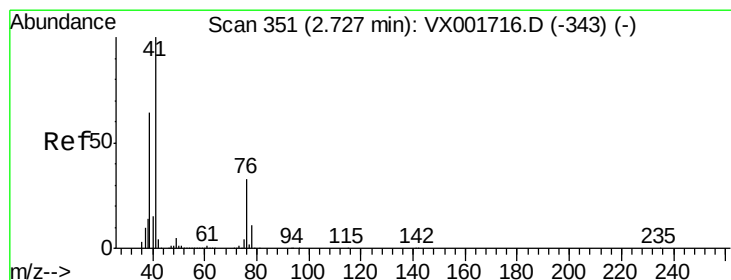
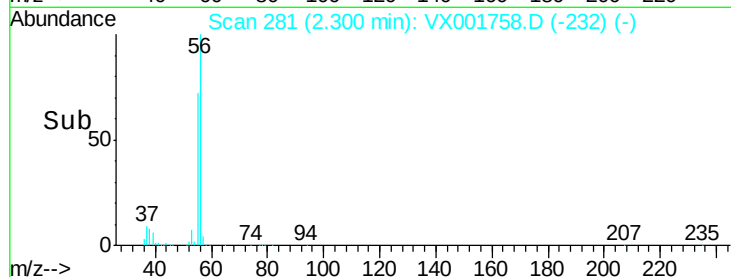
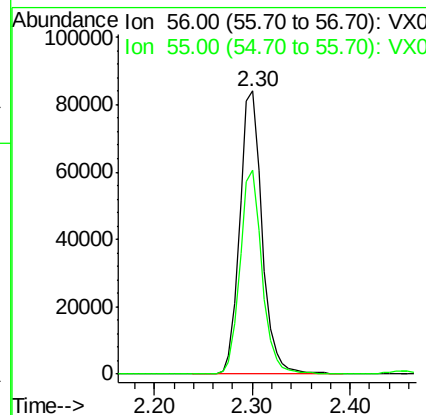
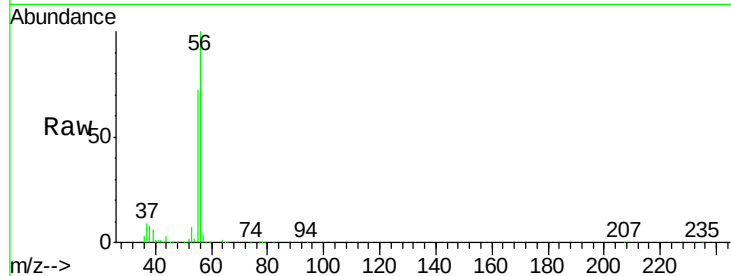
55 71.1 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 51.41 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

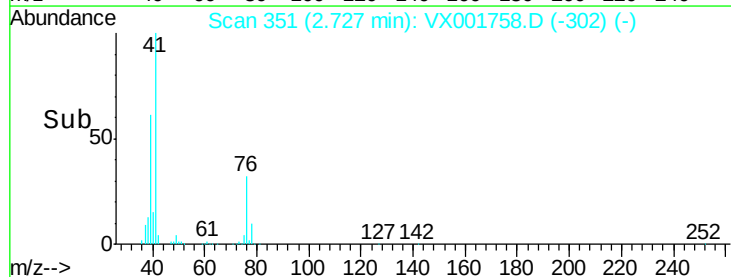
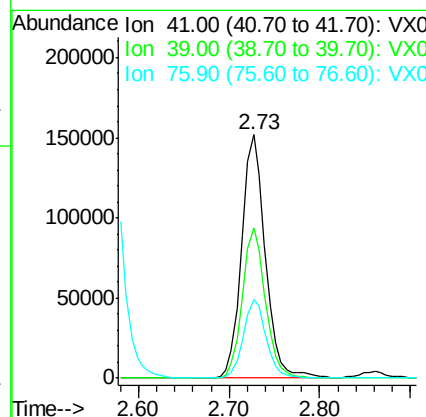
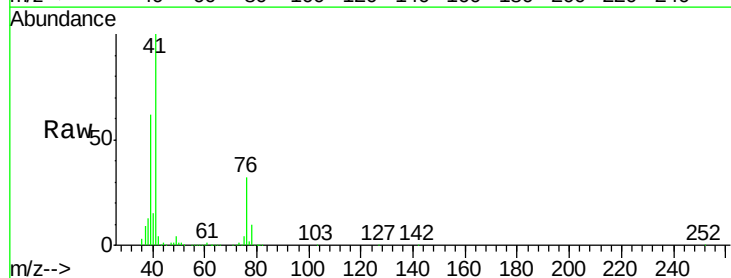
Tgt Ion: 41 Resp: 274013

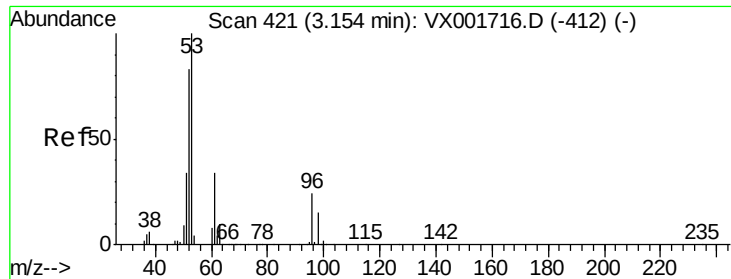
Ion Ratio Lower Upper

41 100

39 60.1 49.8 74.6

76 31.0 25.8 38.8





#15

Acrylonitrile

Concen: 278.11 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

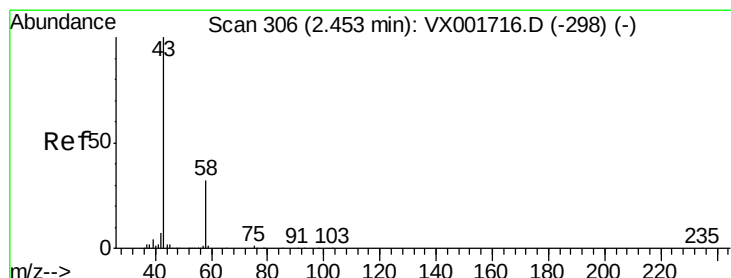
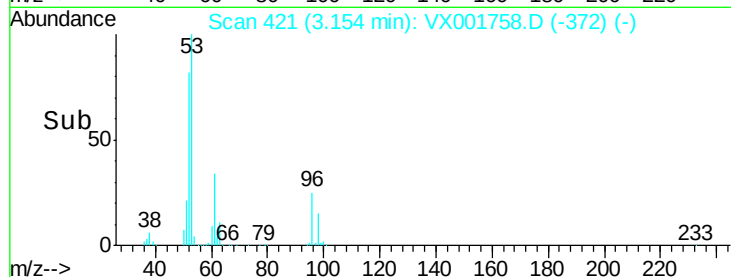
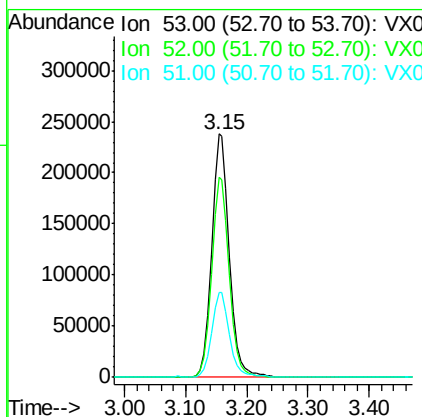
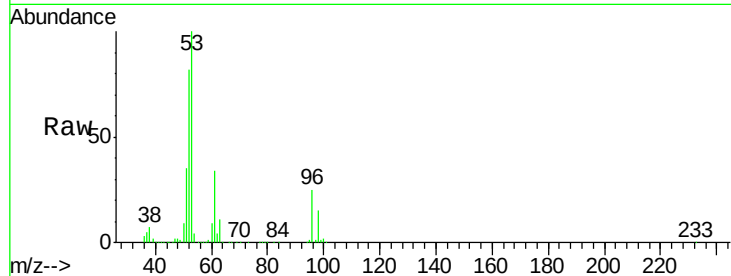
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	484985
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.6	98.4
51	35.4	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 268.40 ug/l

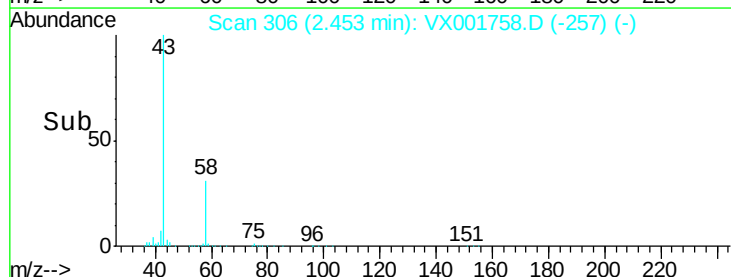
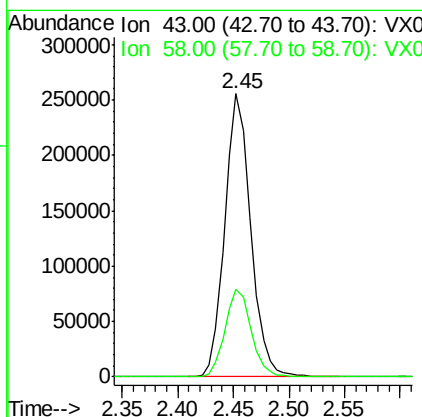
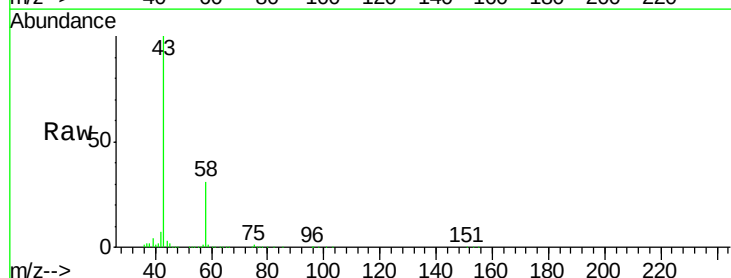
RT: 2.45 min Scan# 306

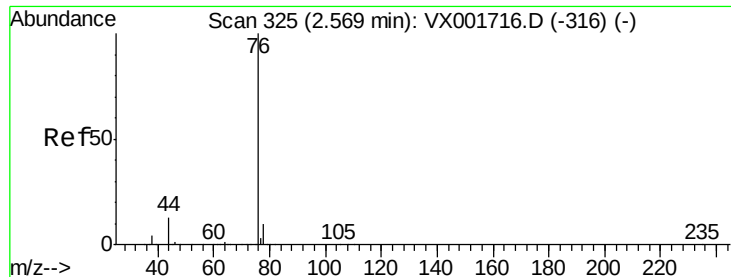
Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Tgt Ion:	43	Resp:	412254
Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.3	37.9





#17

Carbon Disulfide

Concen: 47.40 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 356590

Ion Ratio Lower Upper

76 100

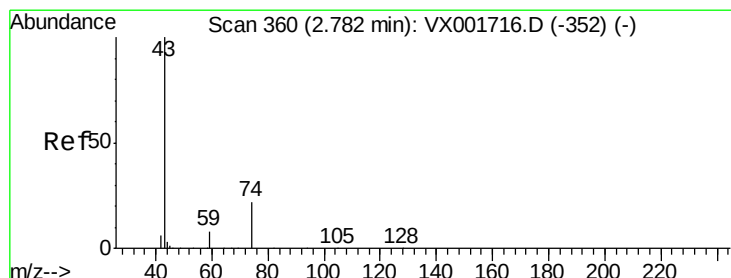
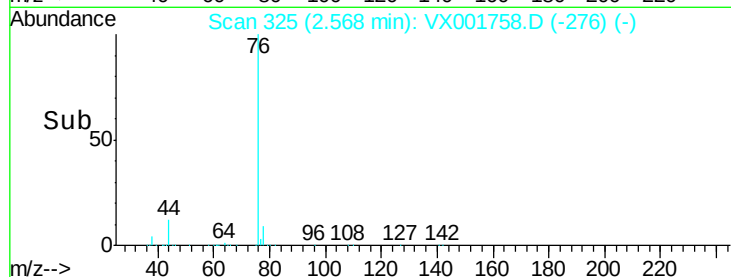
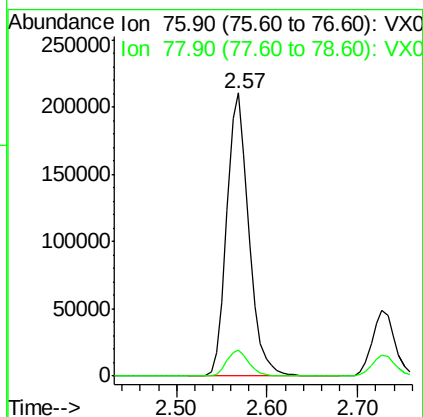
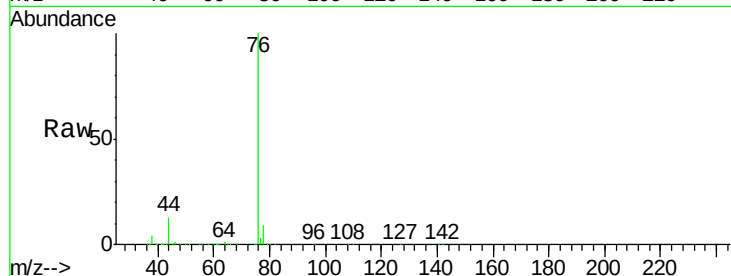
78 9.4 7.6 11.4

Manual Integrations

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#18

Methyl Acetate

Concen: 57.75 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001758.D

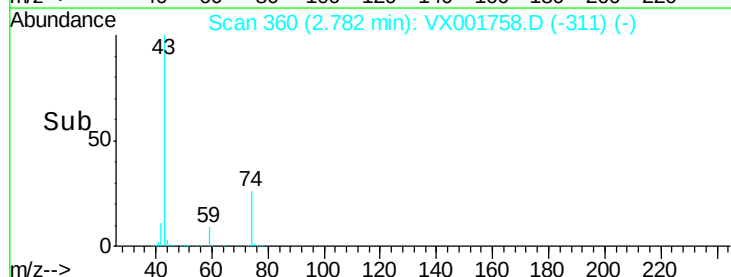
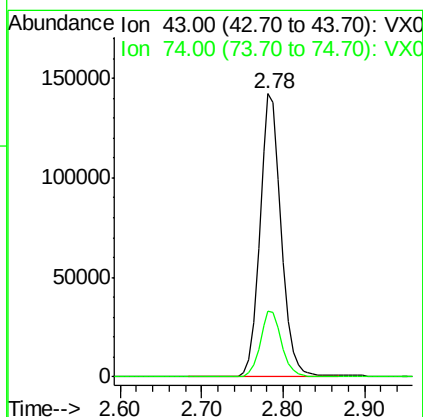
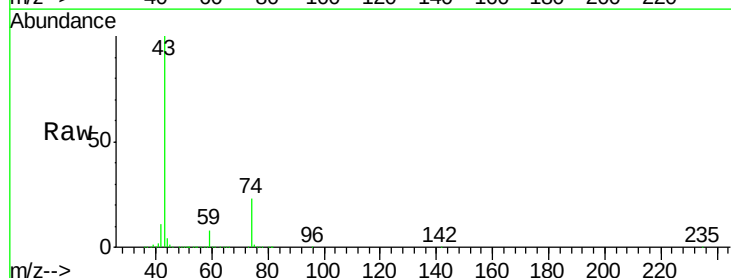
Acq: 15 May 2018 20:58

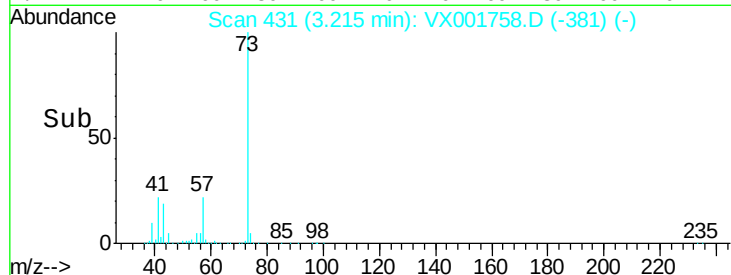
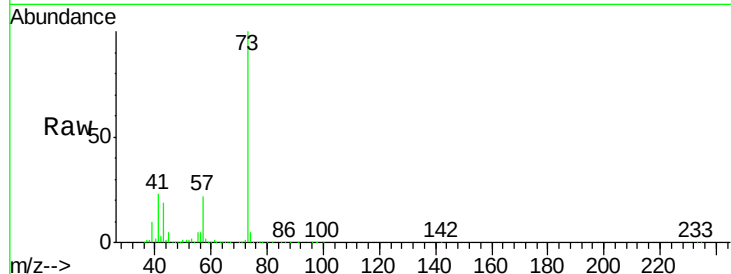
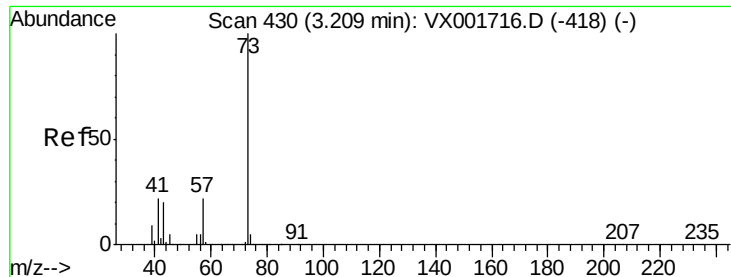
Tgt Ion: 43 Resp: 259340

Ion Ratio Lower Upper

43 100

74 23.1 18.2 27.2





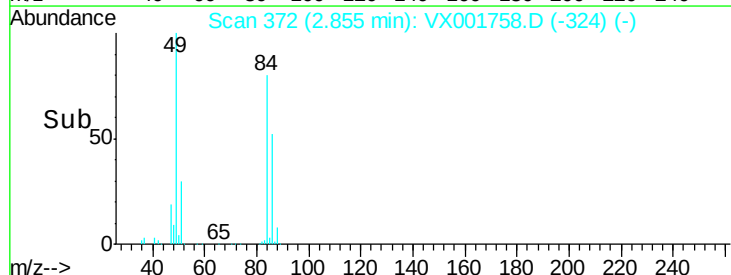
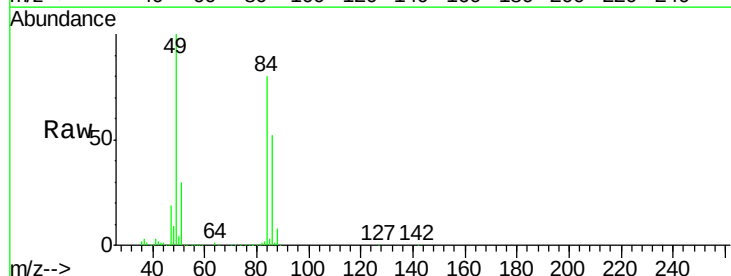
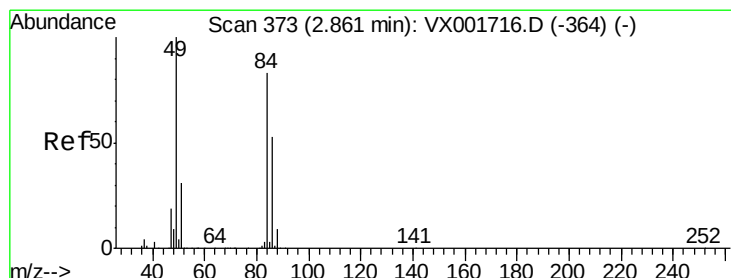
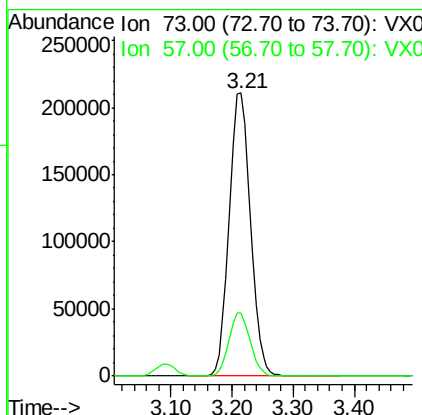
#19
Methyl tert-butyl Ether
Concen: 51.84 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.5	26.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

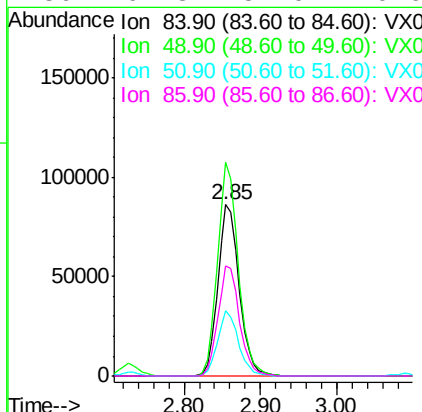
Manual Integrations
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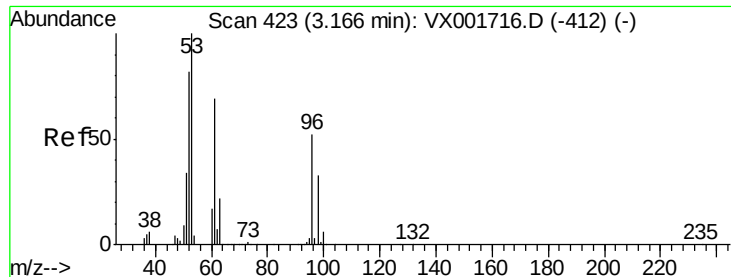
MMDadoda
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#20
Methylene Chloride
Concen: 50.37 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.8	96.3	144.5
51	37.9	29.8	44.6
86	64.3	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 48.57 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

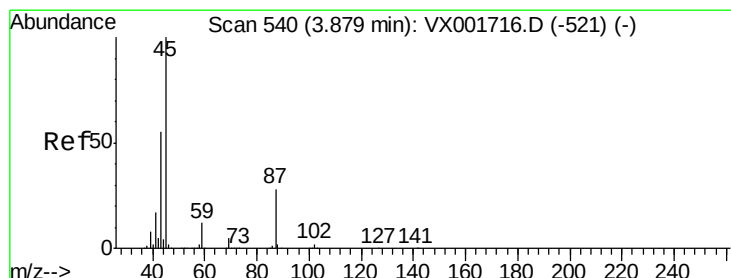
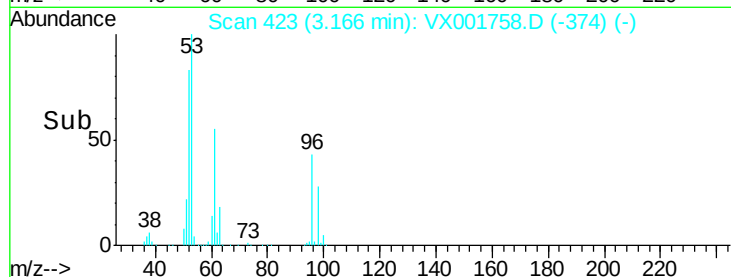
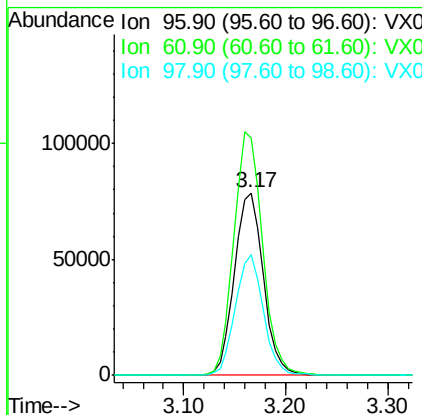
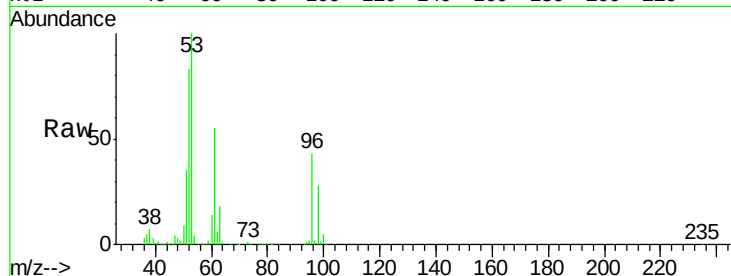
ClientSampled :

VSTDCCC050EC

Tot Ion:	96	Resp:	154287
Ion	Ratio	Lower	Upper
96	100		
61	130.0	105.8	158.8
98	66.2	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.19 ug/l

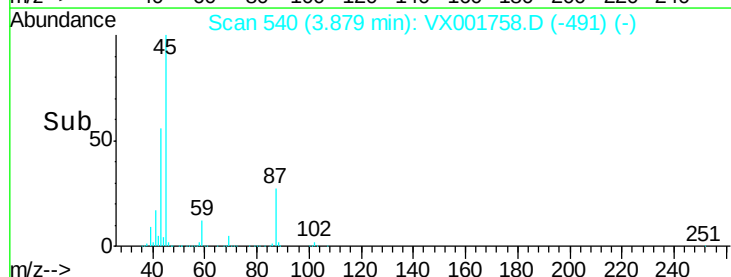
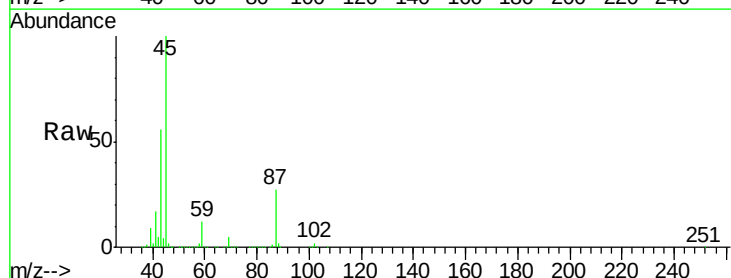
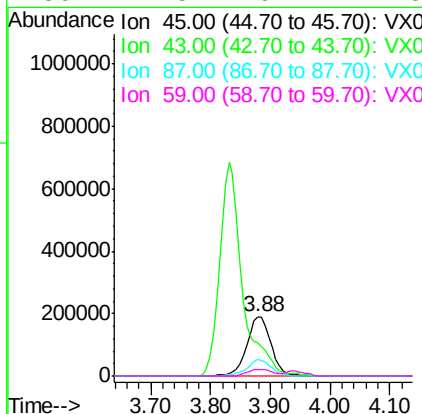
RT: 3.88 min Scan# 540

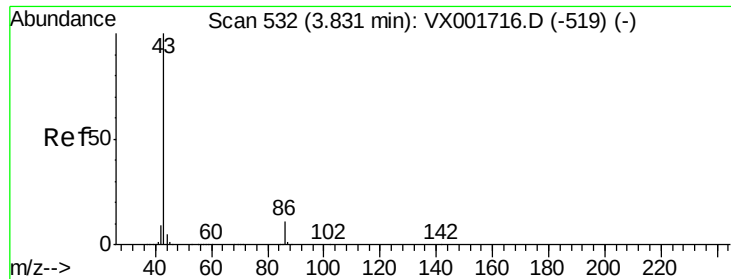
Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Tgt Ion:	45	Resp:	533701
Ion	Ratio	Lower	Upper
45	100		
43	56.0	44.3	66.5
87	27.4	22.6	33.8
59	11.5	9.4	14.0





#23

Vinyl Acetate

Concen: 246.01 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1812414

Ion Ratio Lower Upper

43 100

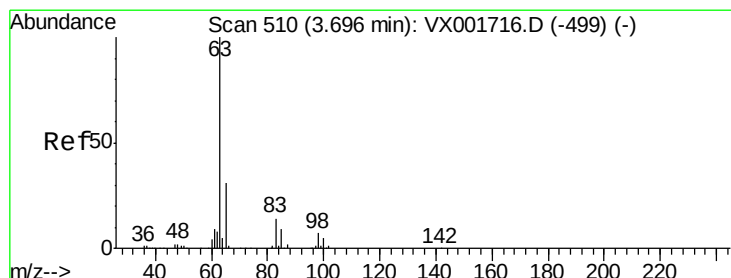
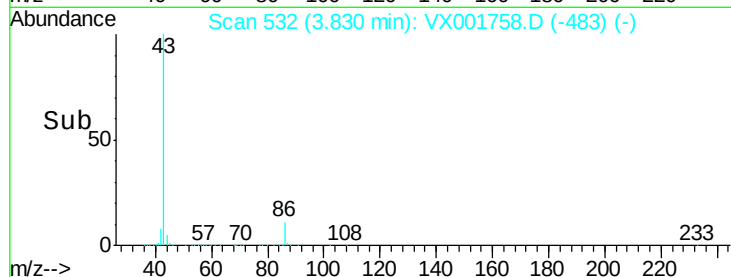
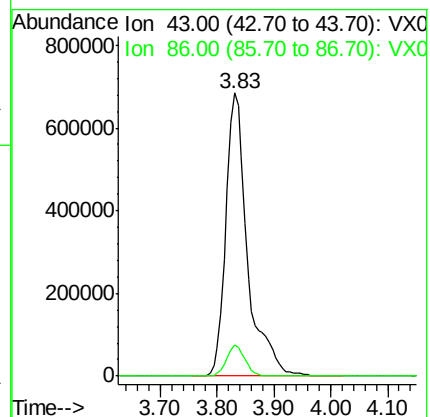
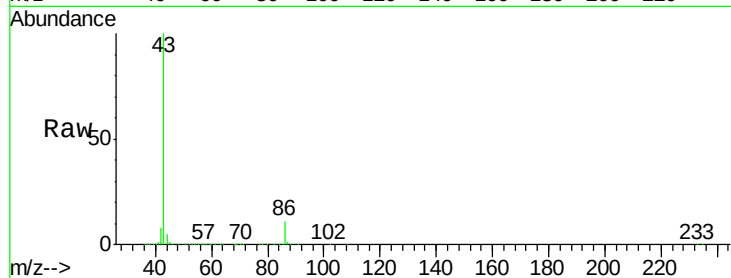
86 10.9 8.7 13.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.60 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

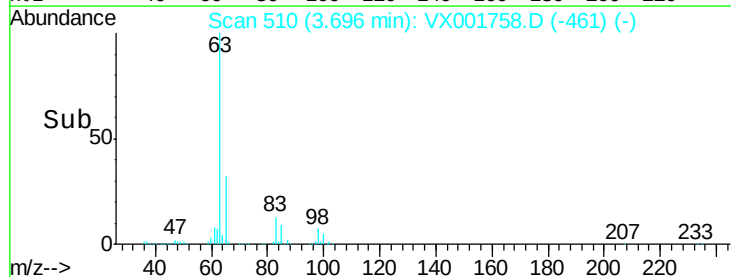
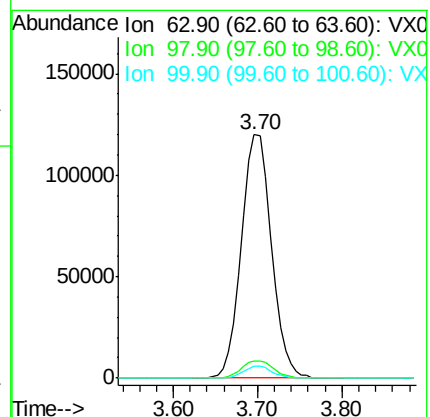
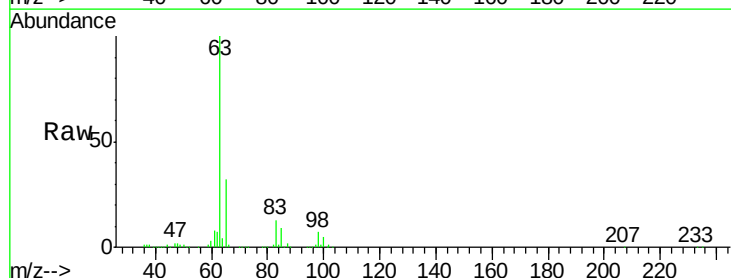
Tgt Ion: 63 Resp: 289370

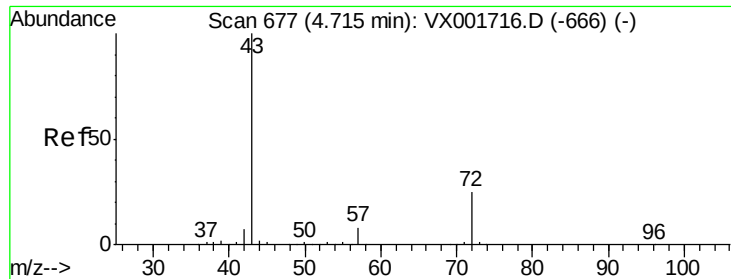
Ion Ratio Lower Upper

63 100

98 7.2 3.7 11.1

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 284.50 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 669037

Ion Ratio Lower Upper

43 100

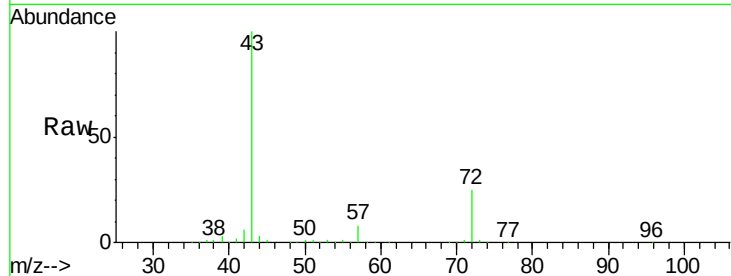
72 25.4 19.8 29.6

Manual Integrations

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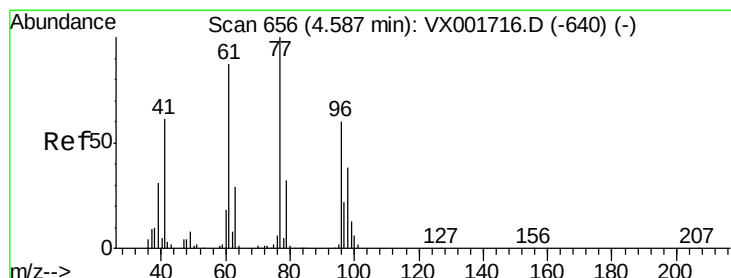
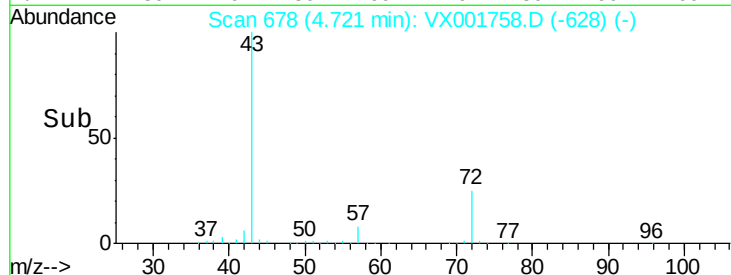
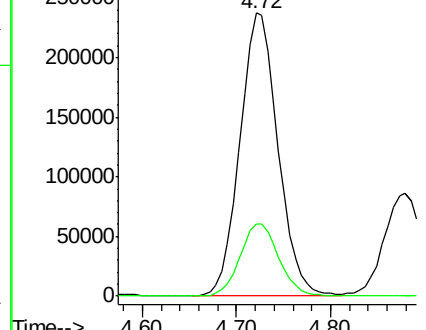
MMDadoda

5/16/2018 11:54:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 38.46 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001758.D

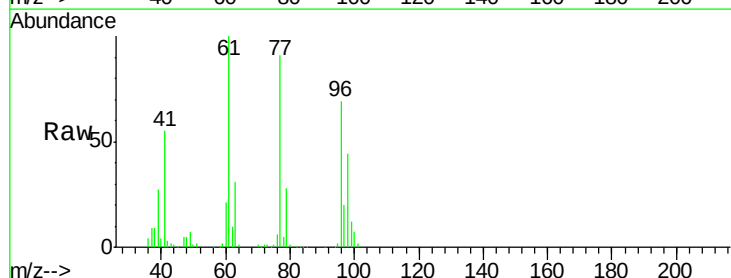
Acq: 15 May 2018 20:58

Tgt Ion: 77 Resp: 173647

Ion Ratio Lower Upper

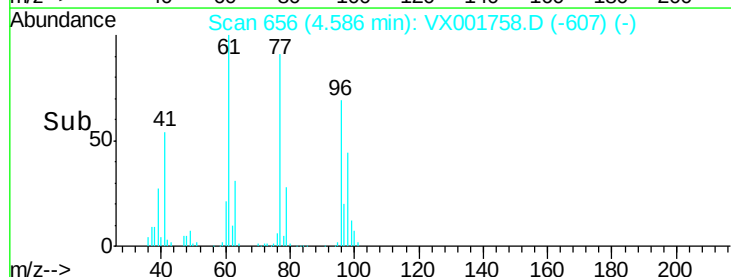
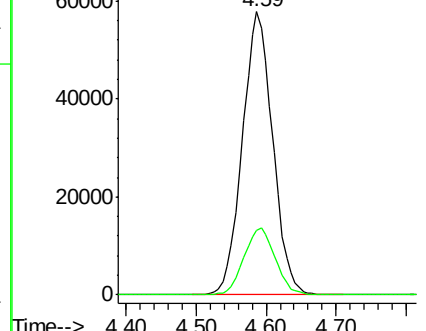
77 100

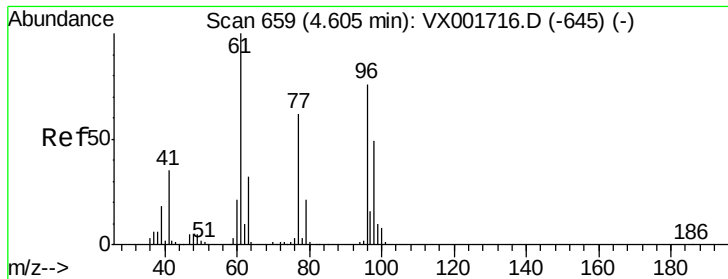
97 24.4 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

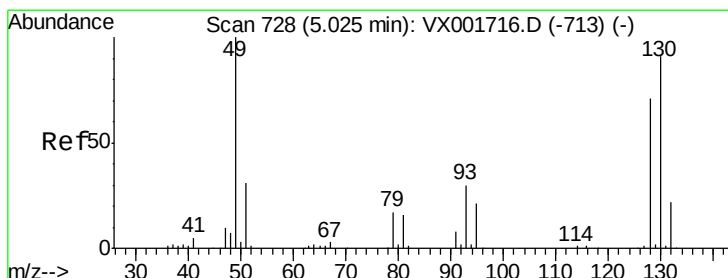
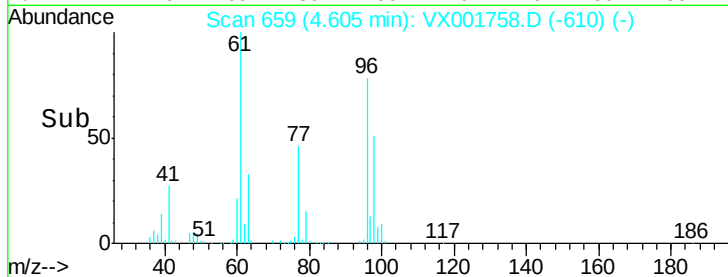
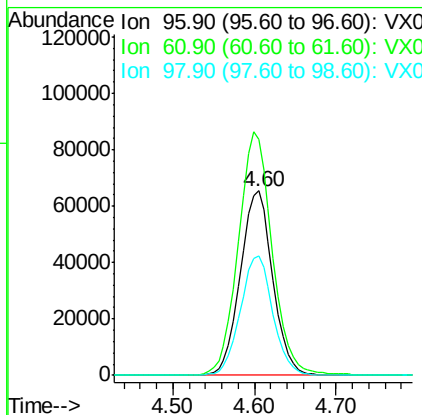
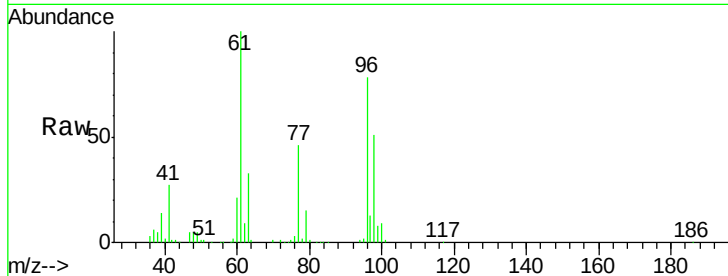
cis-1,2-Dichloroethene
Concen: 49.87 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	180286		
61	138.6	0.0	280.4	
98	65.2	0.0	128.4	

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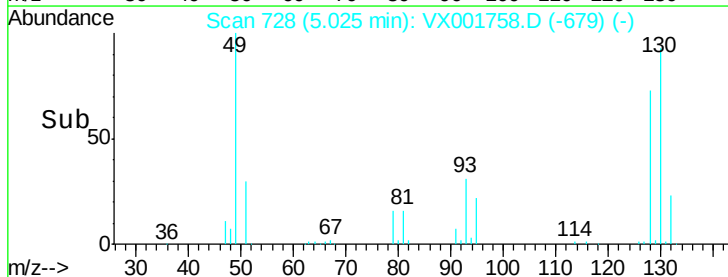
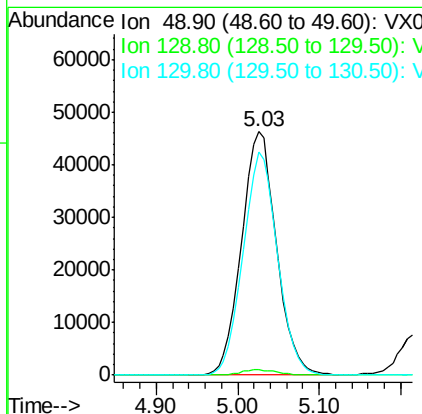
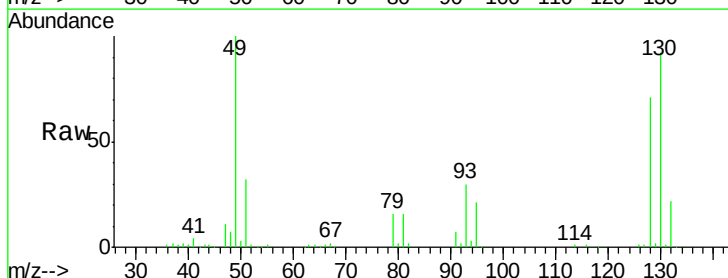
MMDadoda
5/16/2018 11:54:16 AM

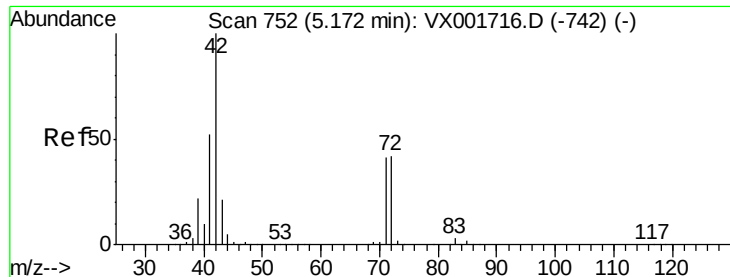


#28

Bromochloromethane
Concen: 55.43 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	138068		
129	2.4	0.0	5.0	
130	90.3	71.8	107.6	





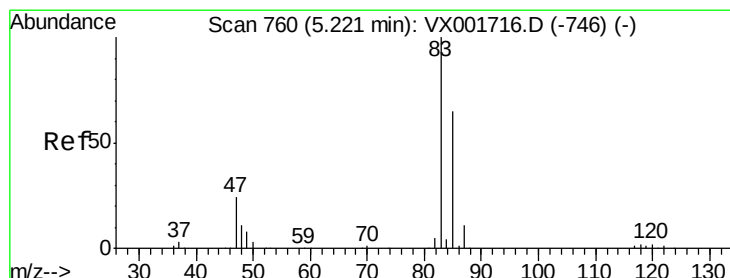
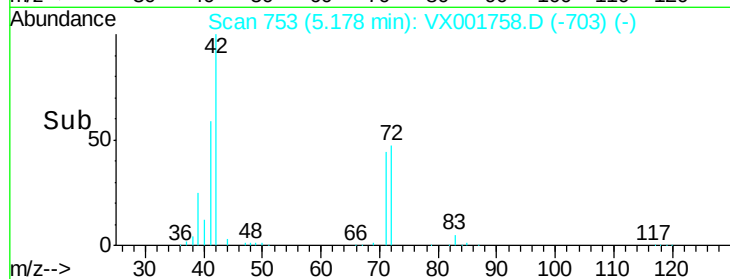
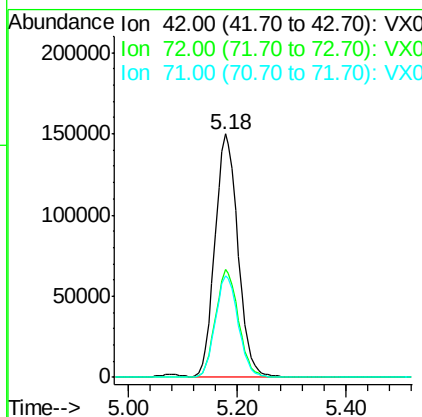
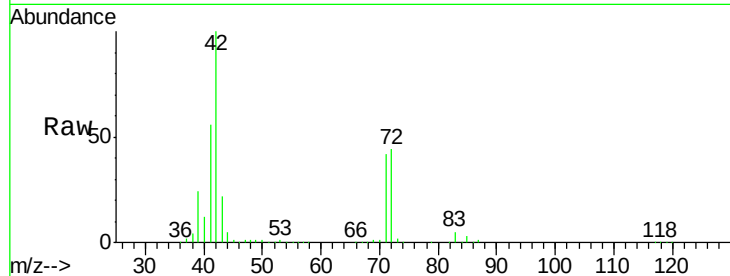
#29
Tetrahydrofuran
Concen: 286.23 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	438757
Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.4	53.2
71	41.7	33.2	49.8

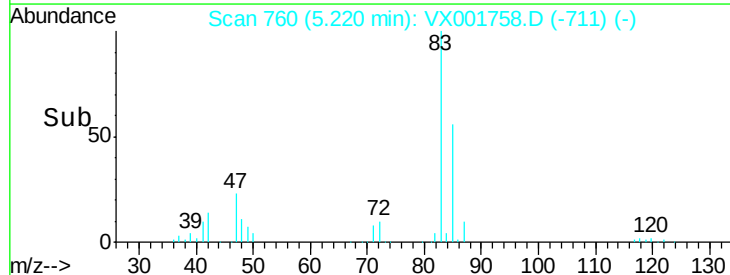
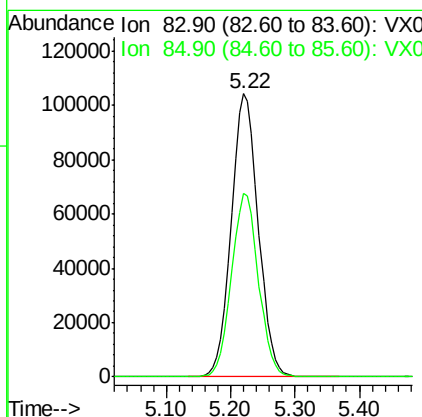
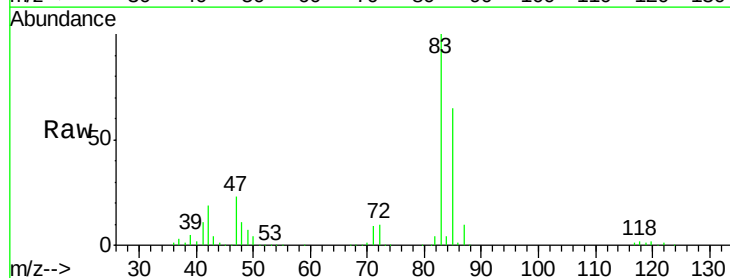
Manual Integrations
APPROVED

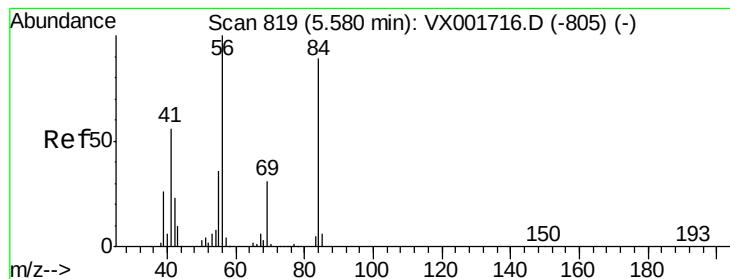
MMDadoda
5/16/2018 11:54:16 AM



#30
Chloroform
Concen: 51.65 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Tgt Ion:	83	Resp:	304246
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.3	78.5





#31

Cyclohexane

Concen: 49.83 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 244919

Ion Ratio Lower Upper

56 100

69 29.3 25.0 37.6

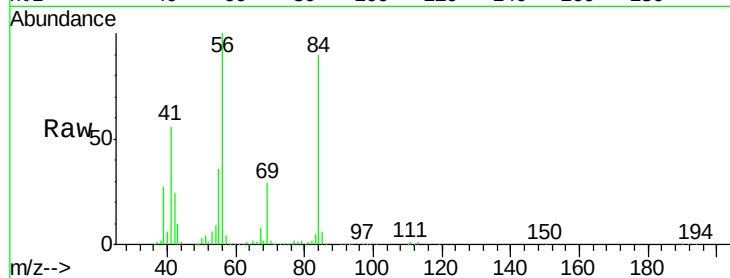
84 88.8 71.0 106.4

Manual Integrations

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MMDadoda

5/16/2018 11:54:16 AM

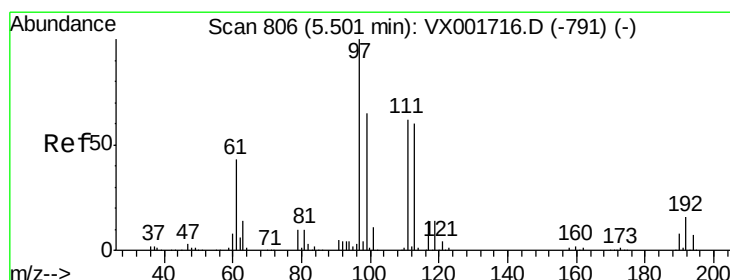
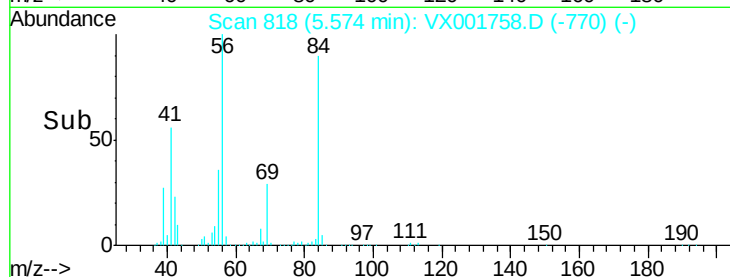
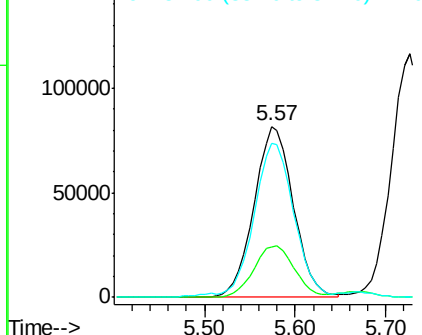


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 52.14 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

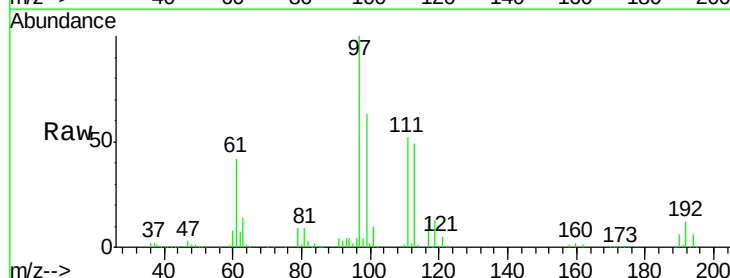
Tgt Ion: 97 Resp: 265415

Ion Ratio Lower Upper

97 100

99 64.9 51.3 76.9

61 42.8 34.0 51.0

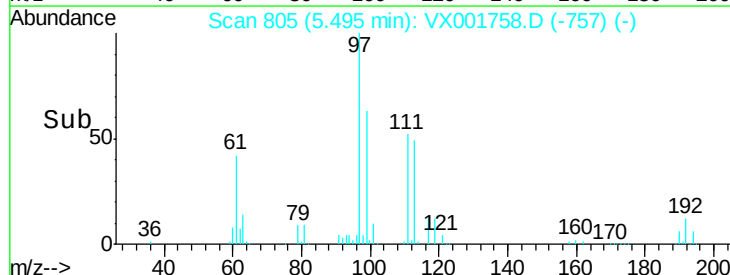
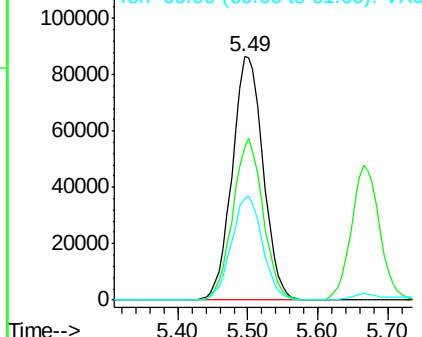


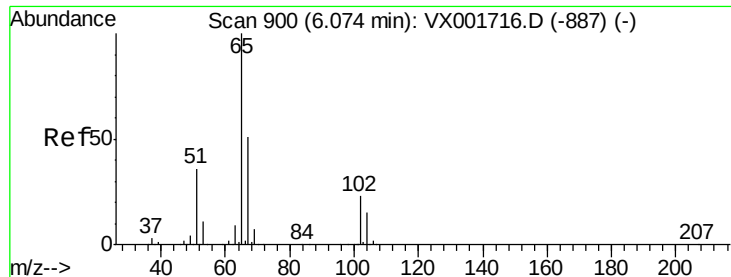
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





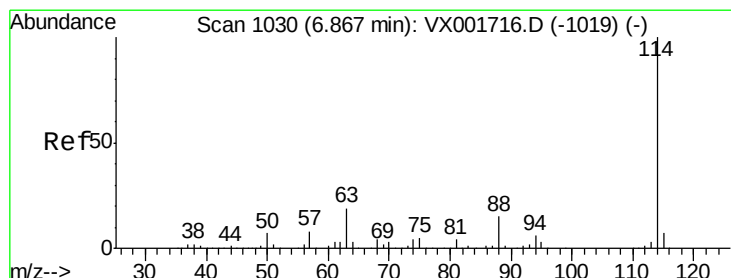
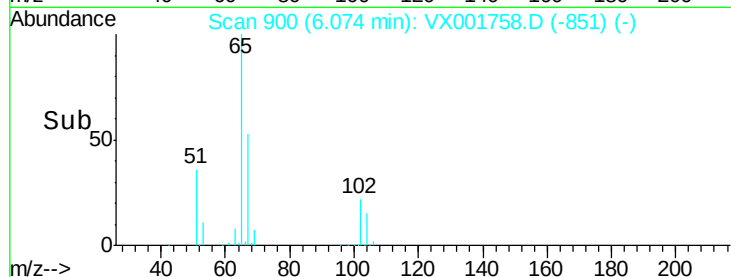
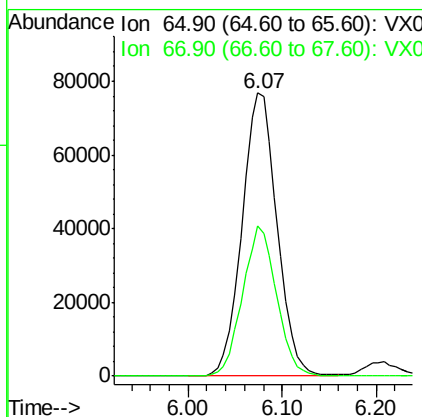
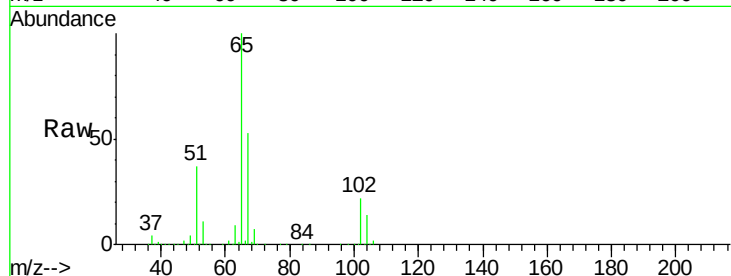
#33
 1,2-Dichloroethane-d4
 Concen: 51.03 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199559		
67	51.6	0.0	102.8	

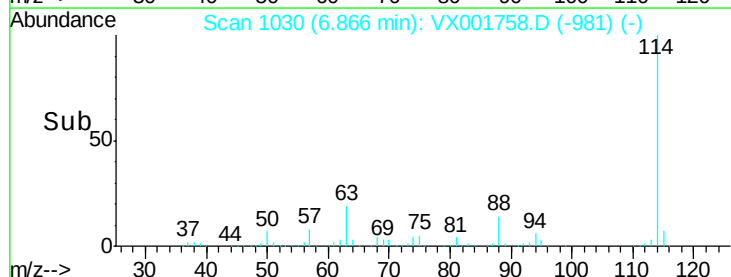
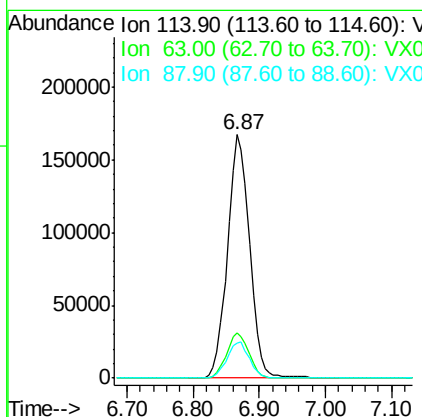
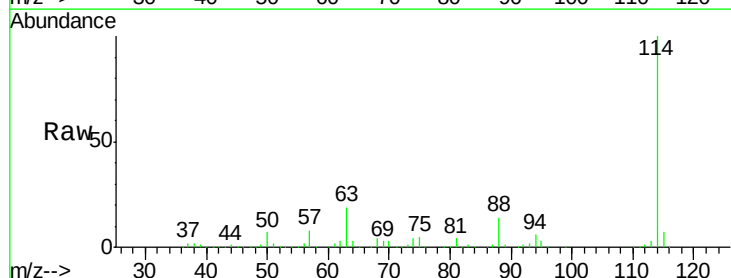
Manual Integrations
 APPROVED

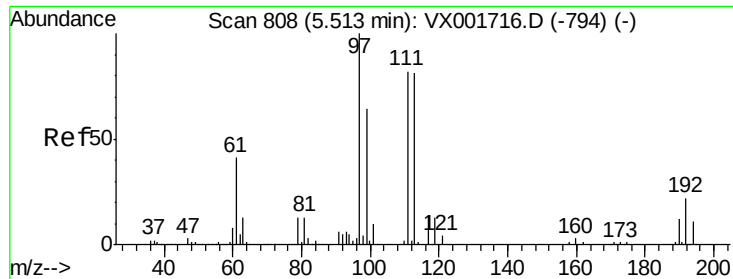
MMDadoda
 5/16/2018 11:54:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	387682		
63	18.5	0.0	37.0	
88	14.4	0.0	29.8	





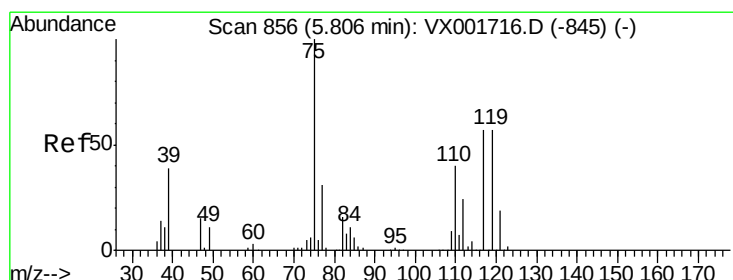
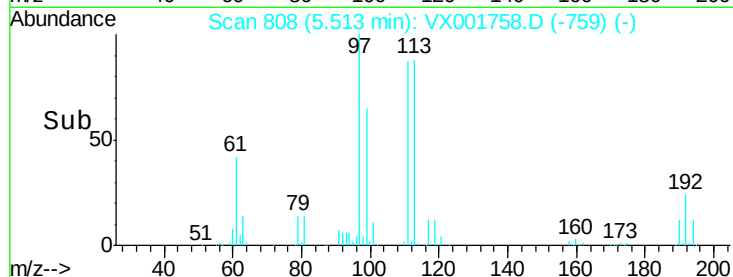
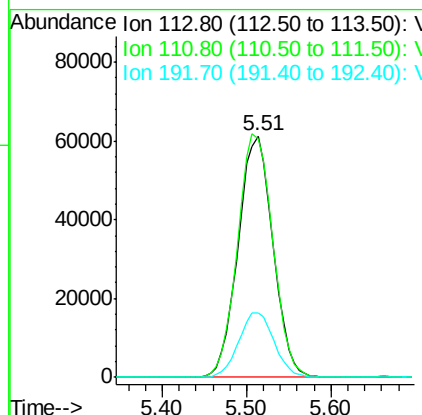
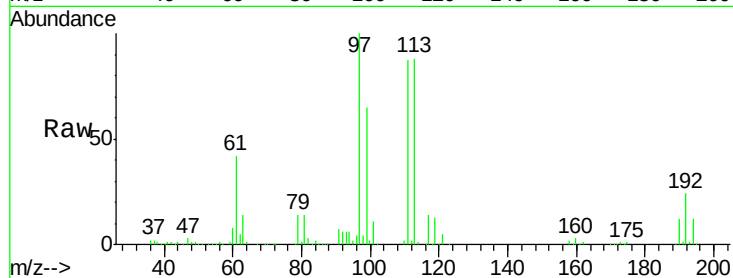
#35
 Dibromofluoromethane
 Concen: 52.33 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	171191		
111	102.2	82.0	123.0	
192	27.2	21.6	32.4	

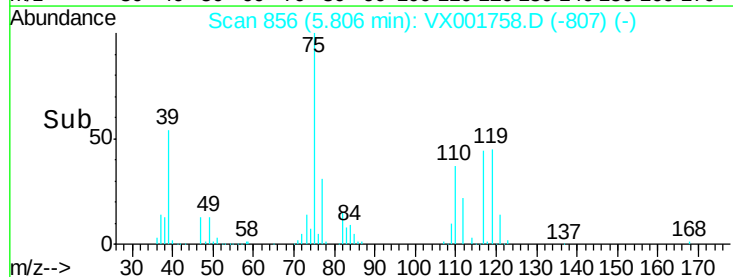
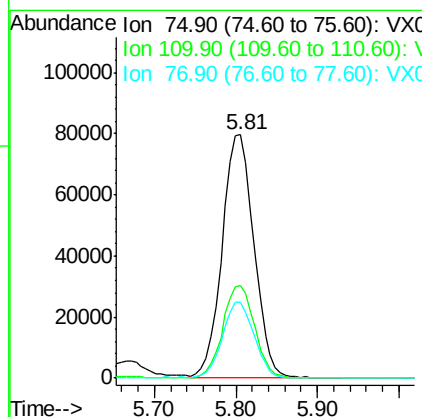
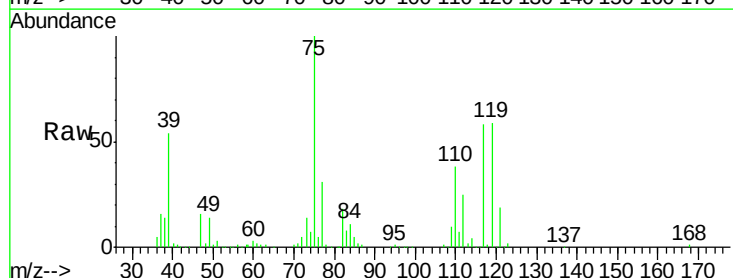
Manual Integrations
 APPROVED

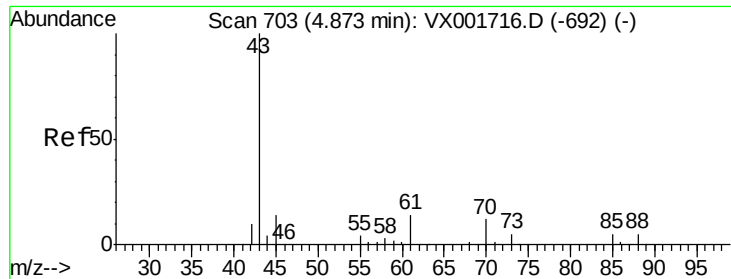
MMDadoda
 5/16/2018 11:54:16 AM



#36
 1,1-Dichloropropene
 Concen: 48.18 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	215027		
110	38.2	19.1	57.1	
77	30.8	24.6	37.0	





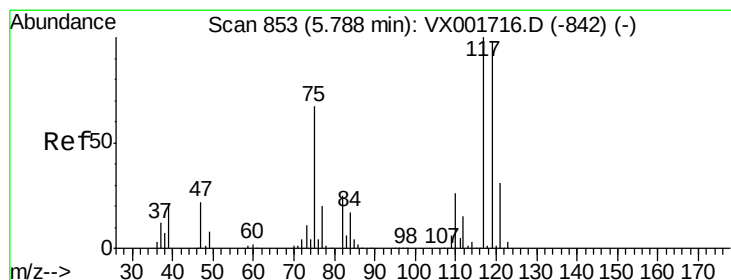
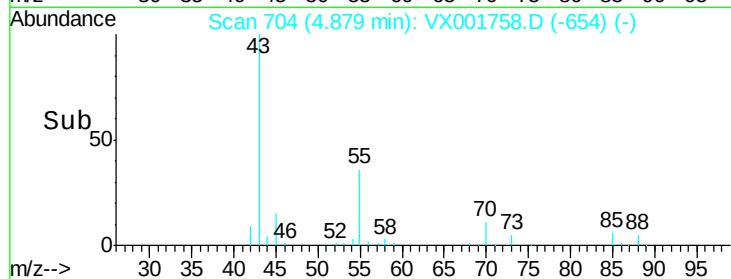
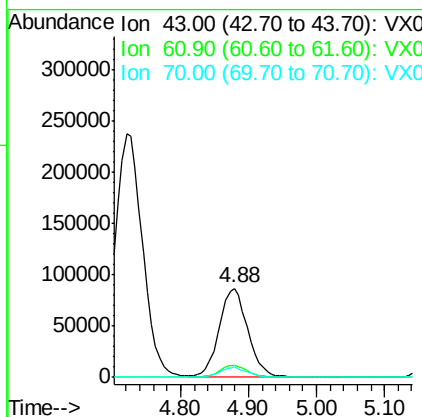
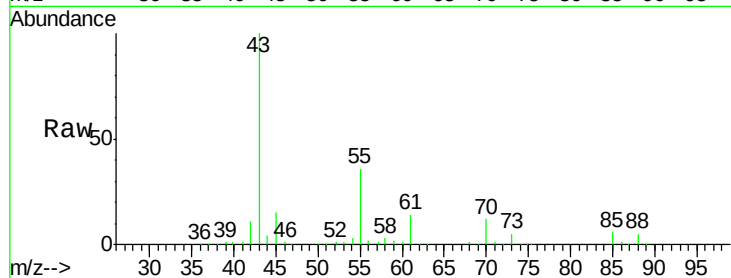
#37
Ethyl Acetate
Concen: 54.34 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	252711
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.9	16.3
70	10.8	8.8	13.2

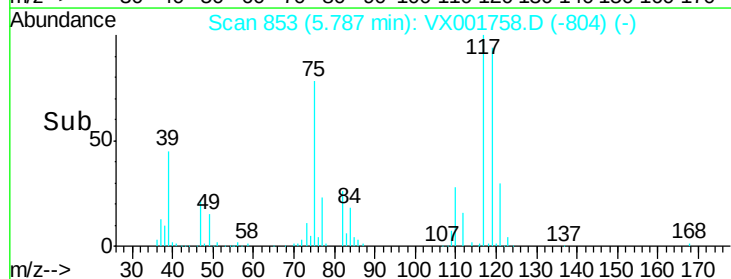
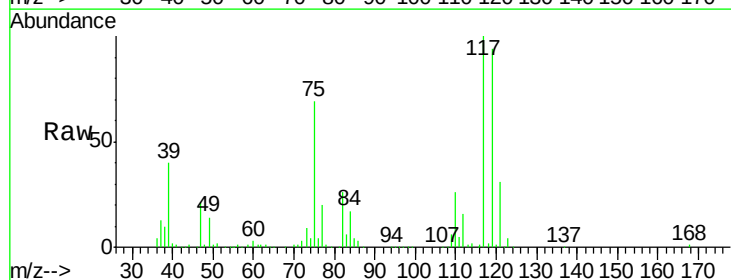
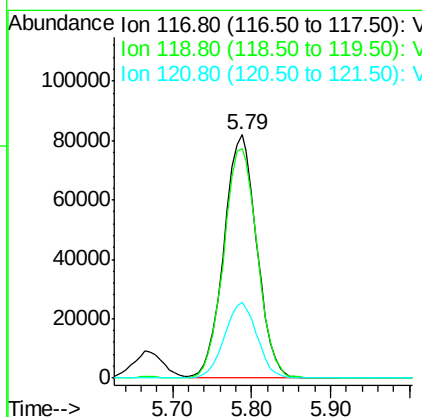
Manual Integrations
APPROVED

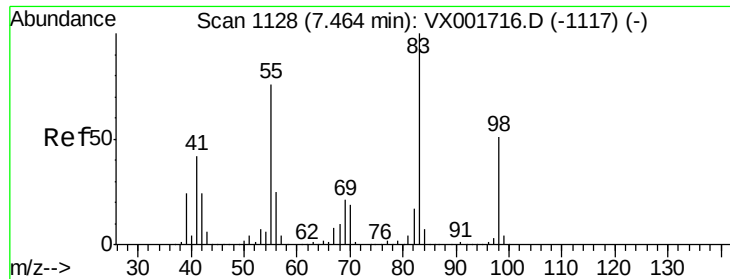
MMDadoda
5/16/2018 11:54:16 AM



#38
Carbon Tetrachloride
Concen: 50.77 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Tgt Ion	117	Resp	237350
Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.6	116.4
121	31.0	24.6	36.8





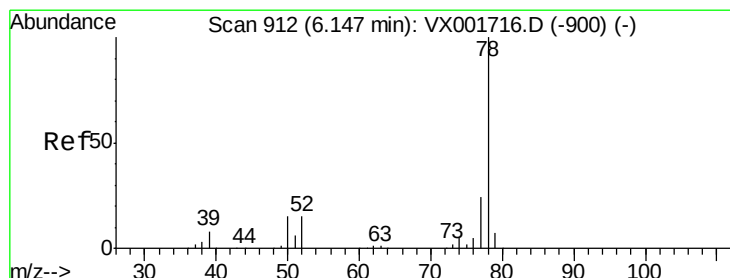
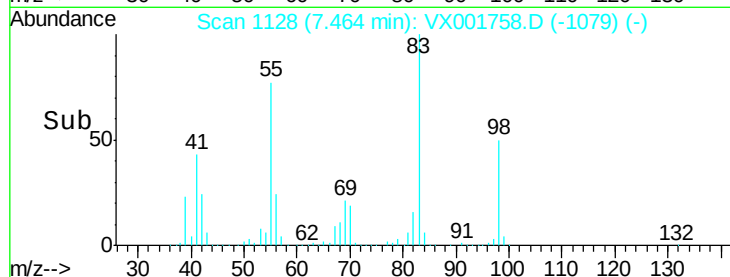
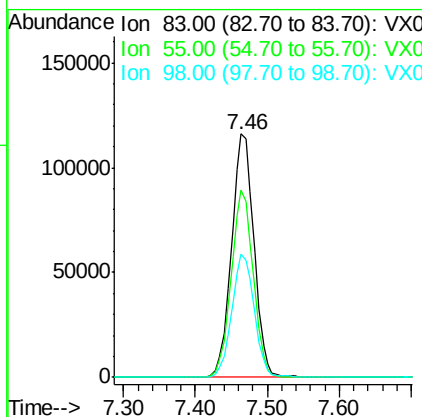
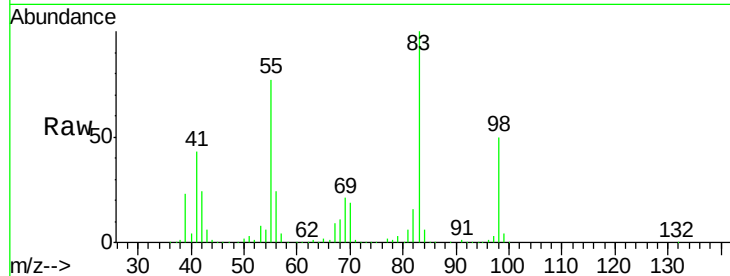
#39
Methylvlcyclohexane
Concen: 48.29 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	251804		
55	77.1		60.6	90.8
98	50.5		40.4	60.6

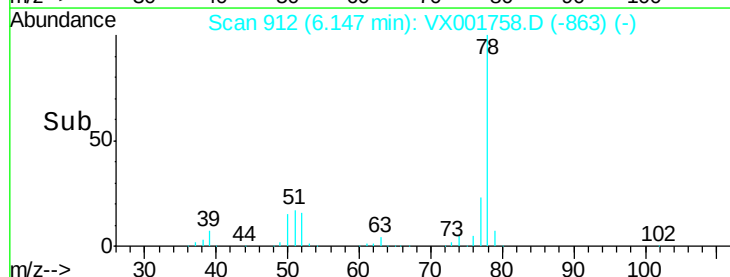
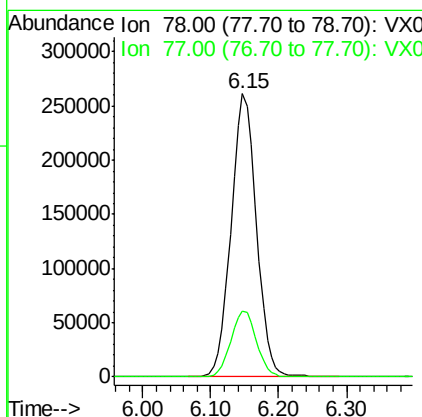
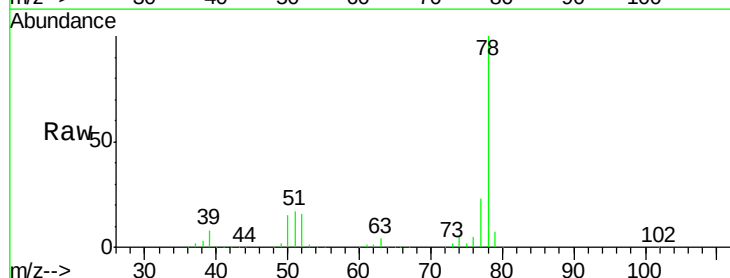
Manual Integrations
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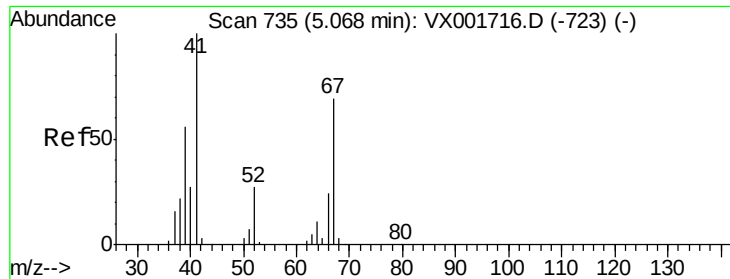
MMDadoda
5/16/2018 11:54:16 AM



#40
Benzene
Concen: 51.29 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	674459		
77	23.2		19.0	28.4





#41

Methacrylonitrile

Concen: 53.79 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.01 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

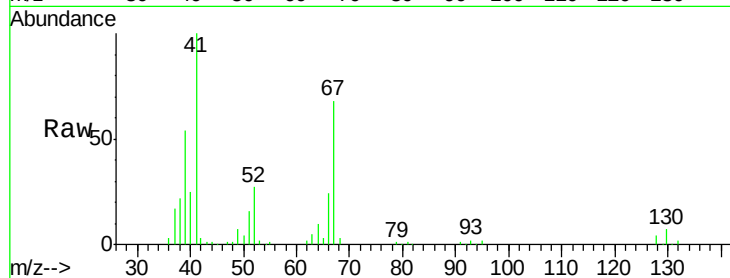
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	44.2	66.4	
67	68.6	56.0	84.0	
52	28.1	22.6	33.8	

Manual Integrations
APPROVED

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

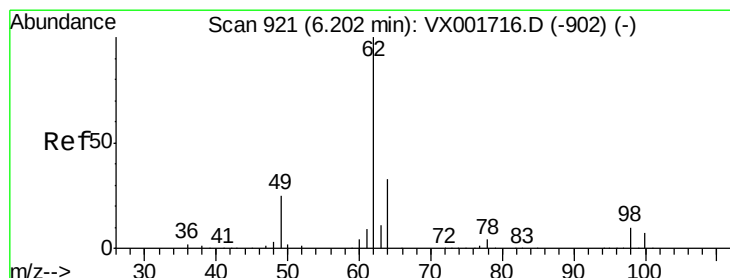
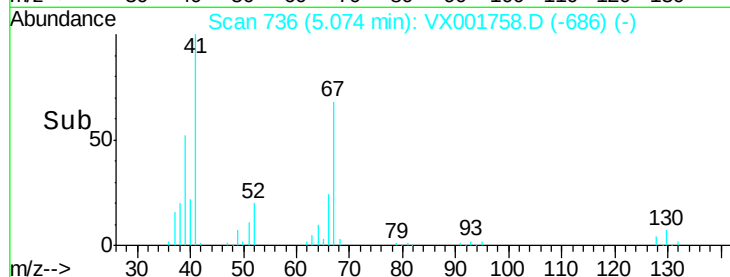
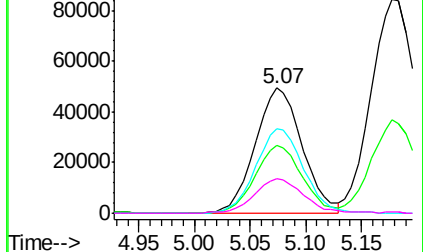


Abundance Ion 41.00 (40.70 to 41.70): VX001716.D (-723) (-)

Ion 39.00 (38.70 to 39.70): VX001716.D (-723) (-)

Ion 67.00 (66.70 to 67.70): VX001716.D (-723) (-)

Ion 52.00 (51.70 to 52.70): VX001716.D (-723) (-)



#42

1,2-Dichloroethane

Concen: 51.26 ug/l

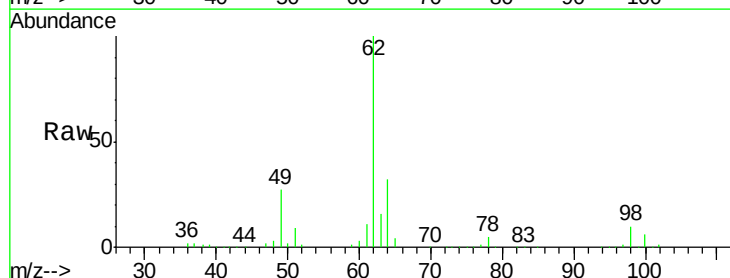
RT: 6.20 min Scan# 921

Delta R.T. -0.00 min

Lab File: VX001758.D

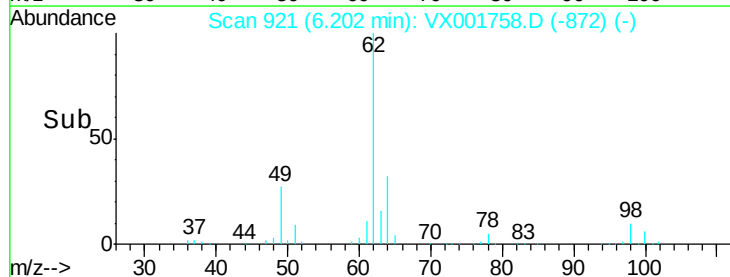
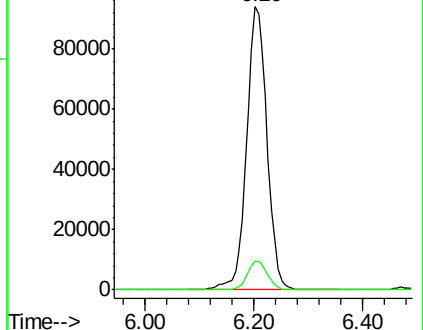
Acq: 15 May 2018 20:58

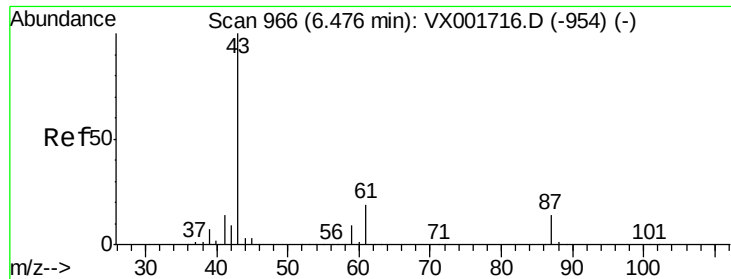
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	20.0	



Abundance Ion 61.90 (61.60 to 62.60): VX001716.D (-902) (-)

Ion 97.90 (97.60 to 98.60): VX001716.D (-902) (-)





#43

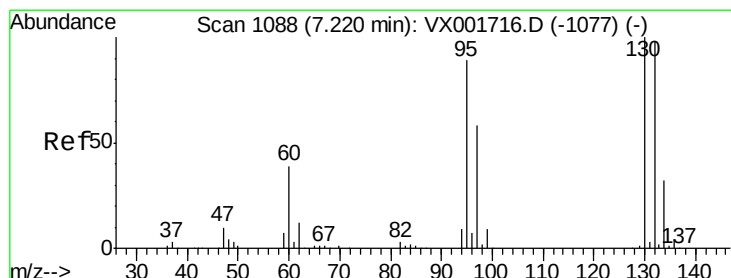
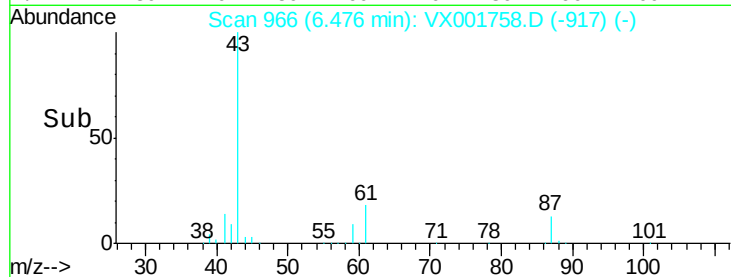
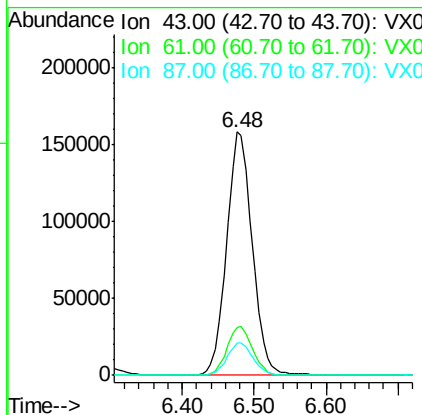
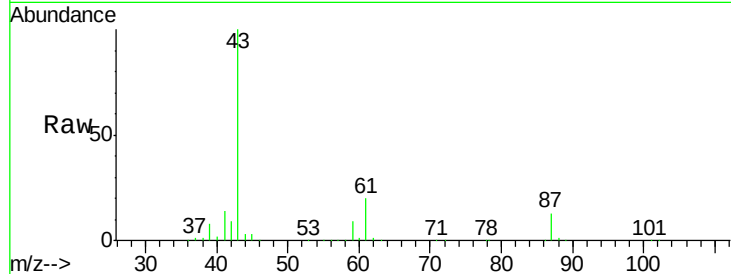
Isopropyl Acetate
 Concen: 53.51 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.8	23.8
87	13.6	11.0	16.4

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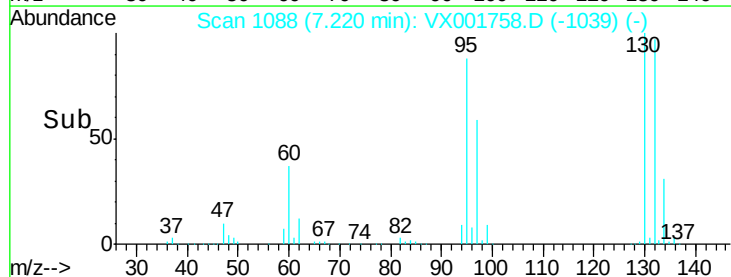
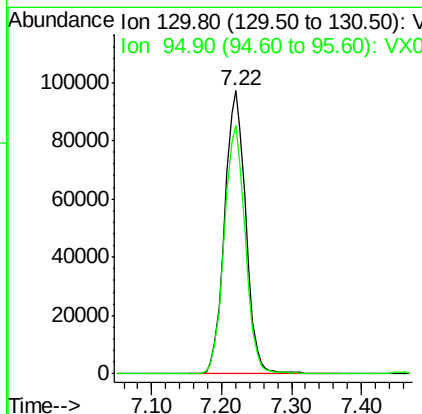
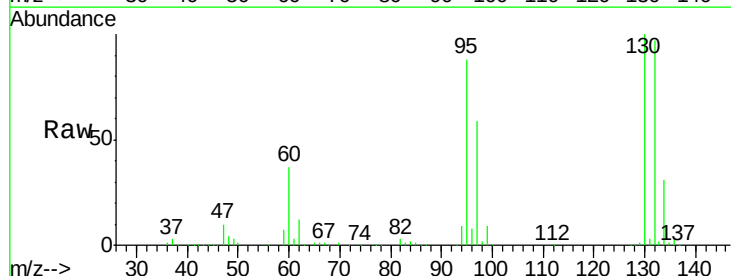
MMDadoda
 5/16/2018 11:54:16 AM

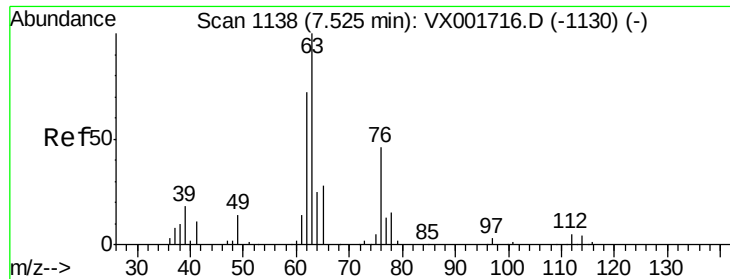


#44

Trichloroethene
 Concen: 49.94 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.9	0.0	177.2





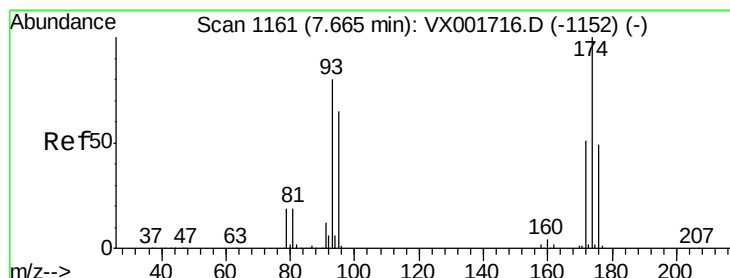
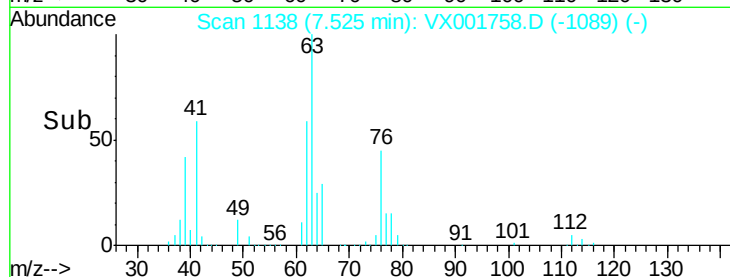
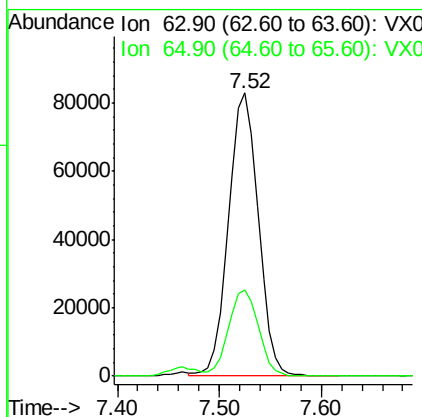
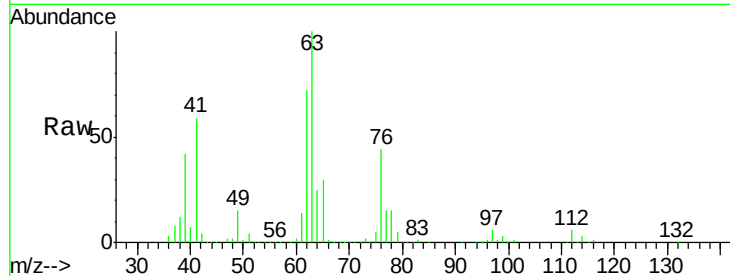
#45
 1,2-Dichloropropane
 Concen: 51.79 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.2	36.2

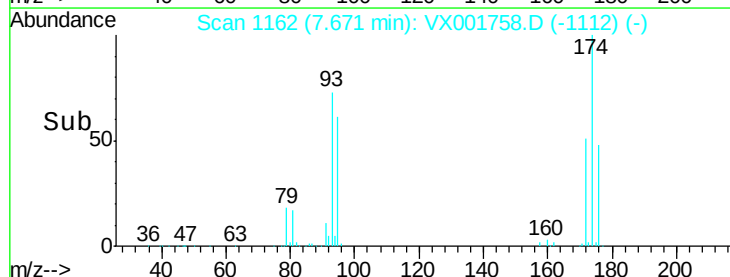
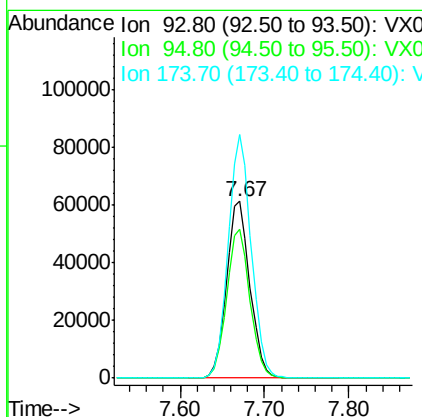
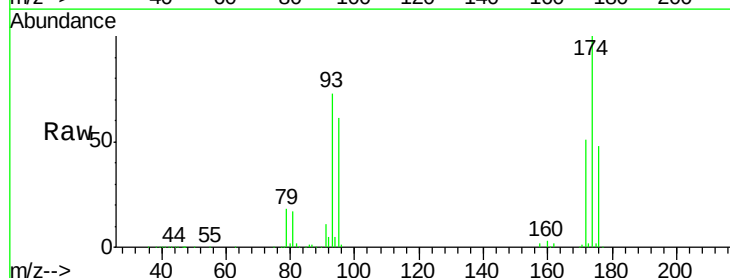
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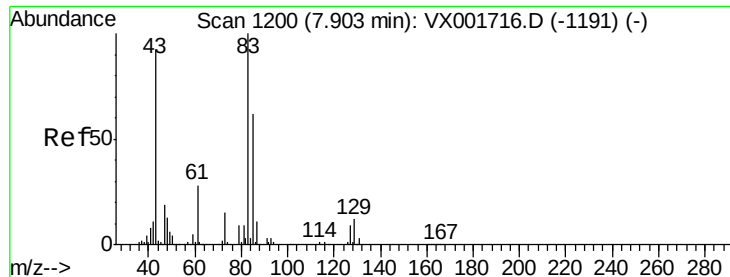
MMDadoda
 5/16/2018 11:54:16 AM



#46
 Dibromomethane
 Concen: 51.27 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	65.9	98.9
174	135.1	106.2	159.2





#47

Bromodichloromethane

Concen: 53.96 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

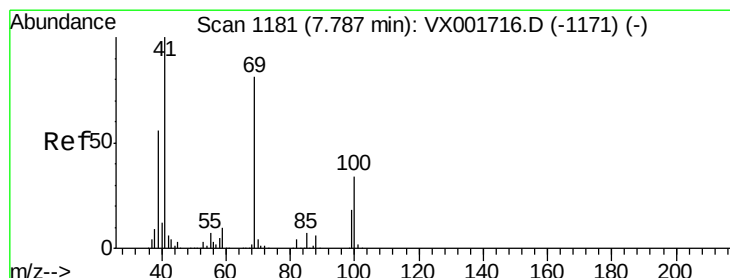
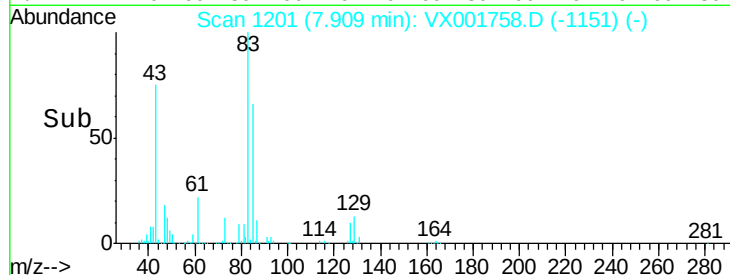
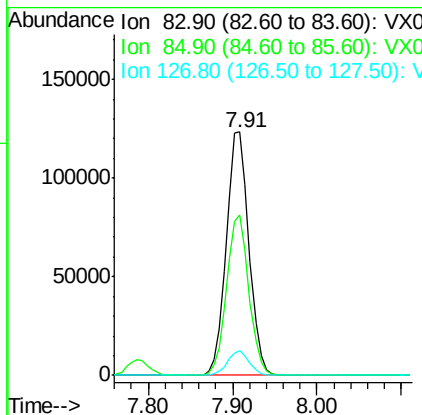
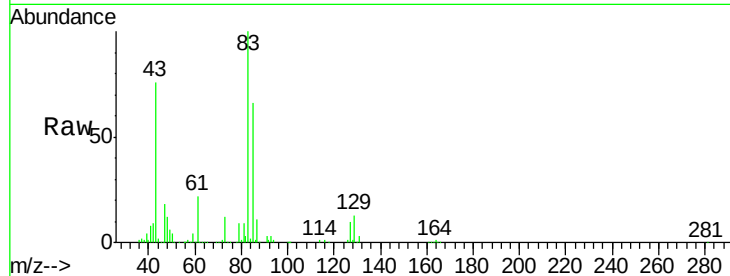
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	226870
Ion	Ratio	Lower	Upper
83	100		
85	66.1	49.6	74.4
127	10.1	7.5	11.3

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



#48

Methyl methacrylate

Concen: 55.00 ug/l

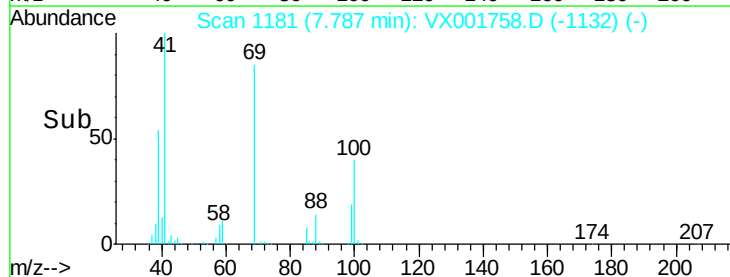
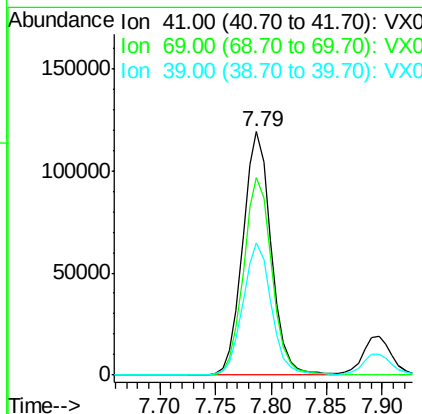
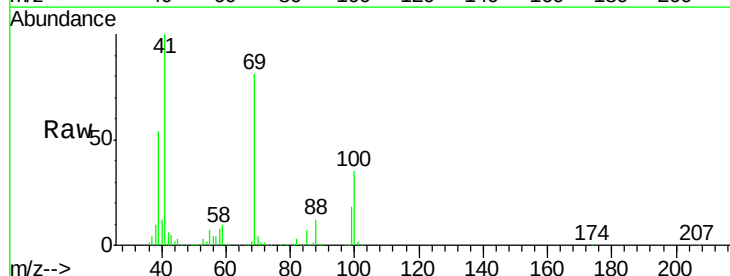
RT: 7.79 min Scan# 1181

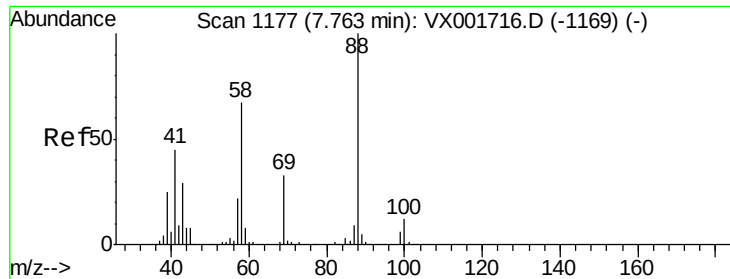
Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Tgt Ion:	41	Resp:	210730
Ion	Ratio	Lower	Upper
41	100		
69	81.8	65.2	97.8
39	54.4	44.5	66.7





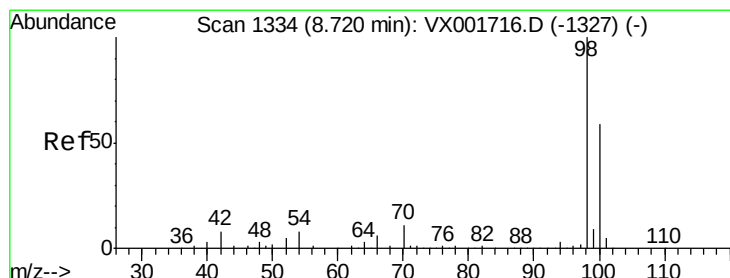
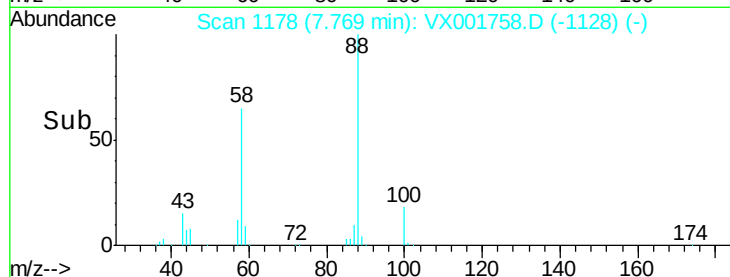
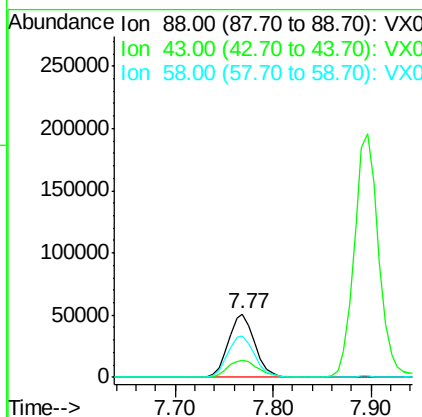
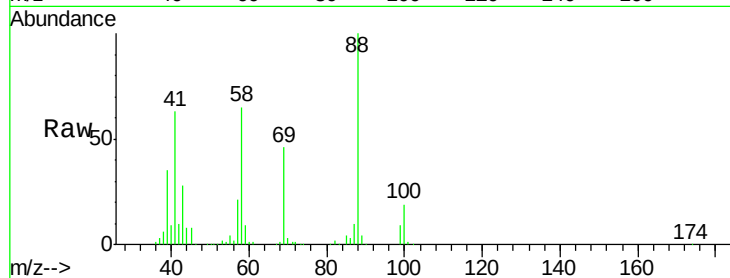
#49
1,4-Dioxane
Concen: 1282.60 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	27.3	40.9
58	68.1	55.9	83.9

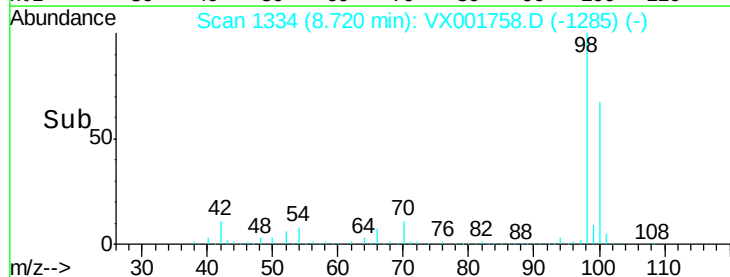
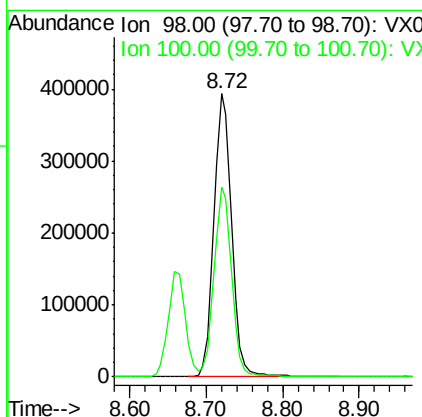
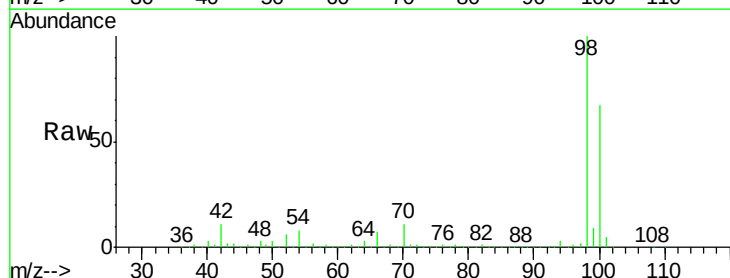
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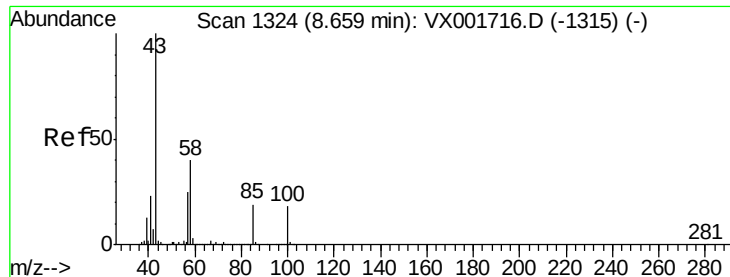
MMDadoda
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#50
Toluene-d8
Concen: 53.69 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	54.0	81.0





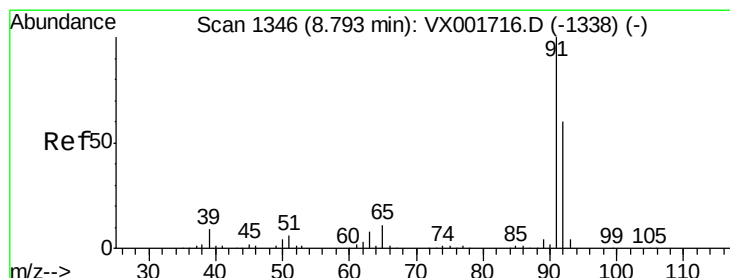
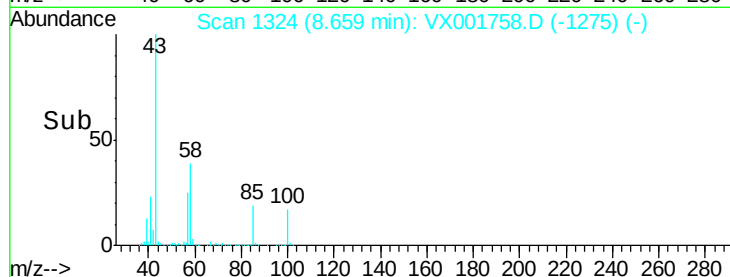
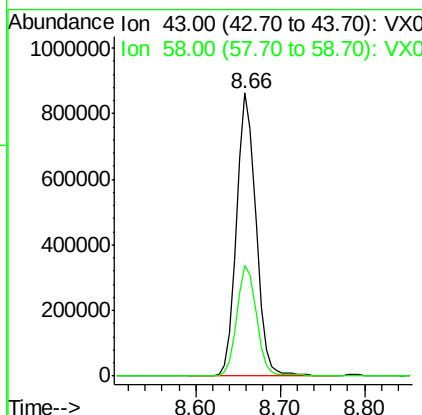
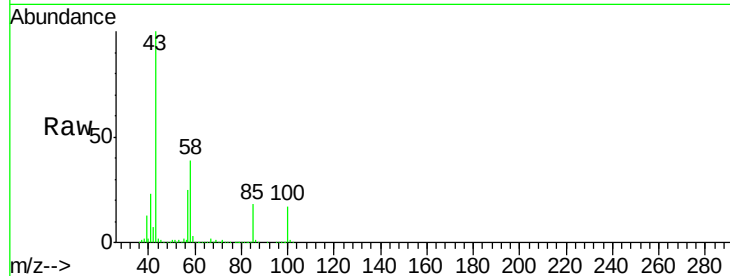
#51
 4-Methyl-2-Pentanone
 Concen: 290.16 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1338554
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.4 47.0

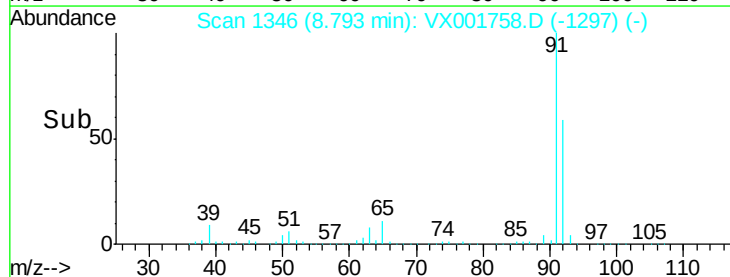
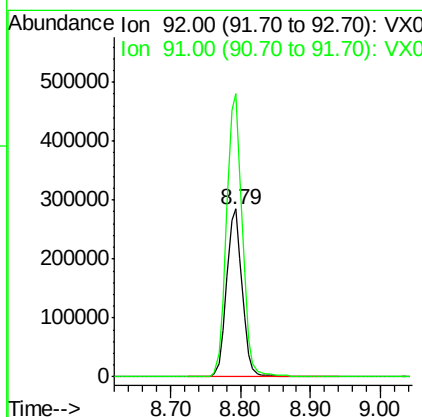
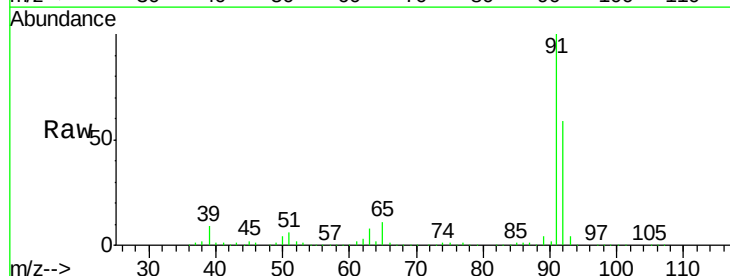
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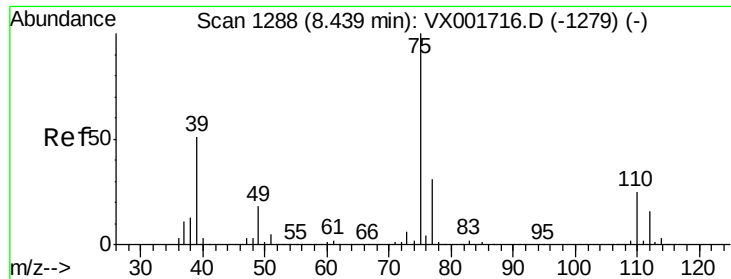
MMDadoda
 5/16/2018 11:54:16 AM



#52
 Toluene
 Concen: 52.22 ug/l
 RT: 8.79 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Tgt Ion: 92 Resp: 441185
 Ion Ratio Lower Upper
 92 100
 91 170.3 135.5 203.3





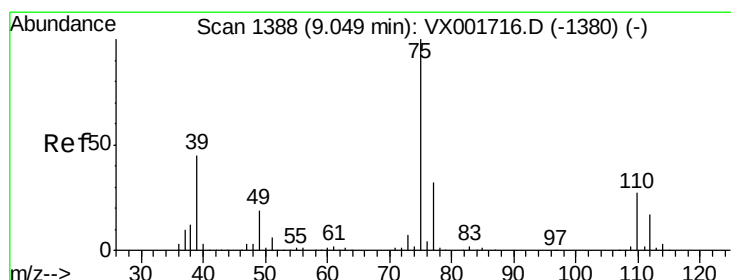
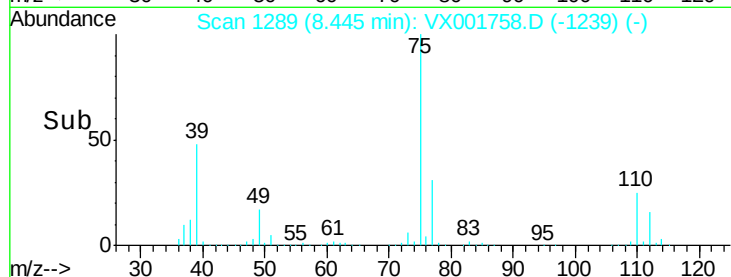
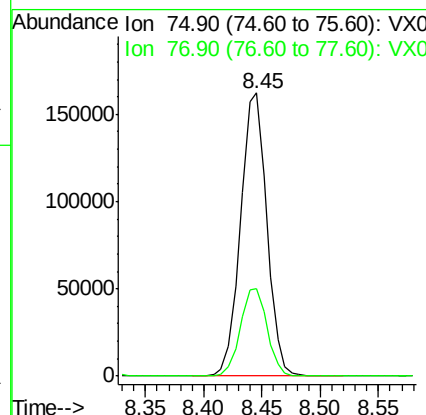
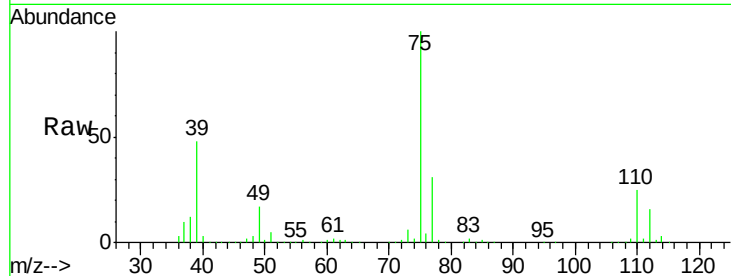
#53
t-1,3-Dichloropropene
Concen: 51.78 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 256110
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.6

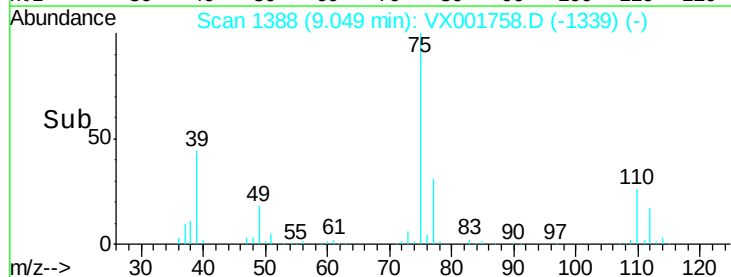
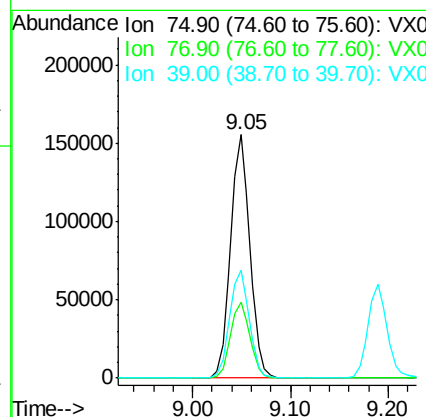
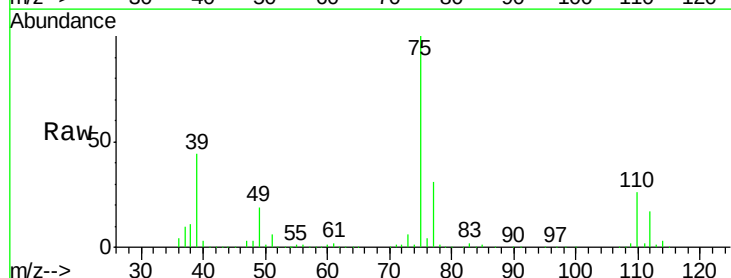
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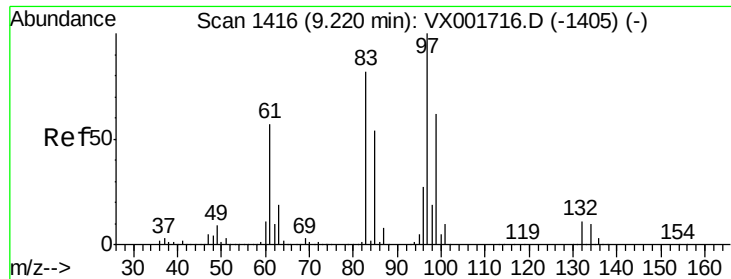
MMDadoda
5/16/2018 11:54:16 AM



#54
cis-1,3-Dichloropropene
Concen: 48.83 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Tgt Ion: 75 Resp: 212904
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2
39 44.1 36.1 54.1





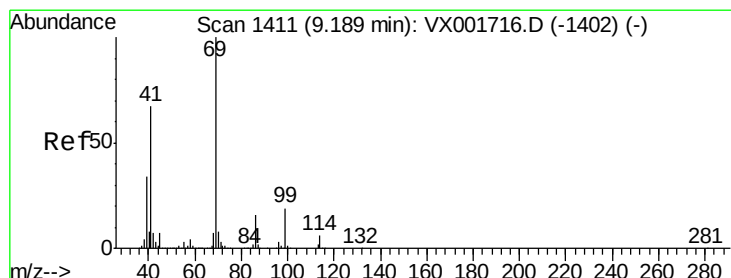
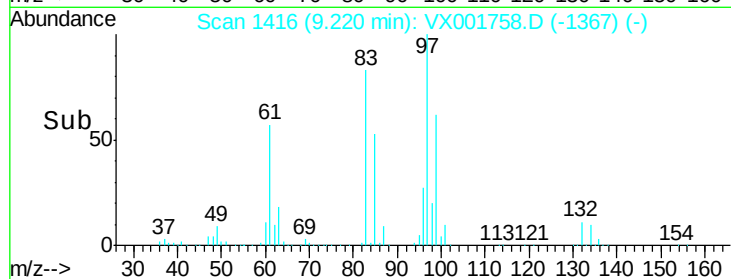
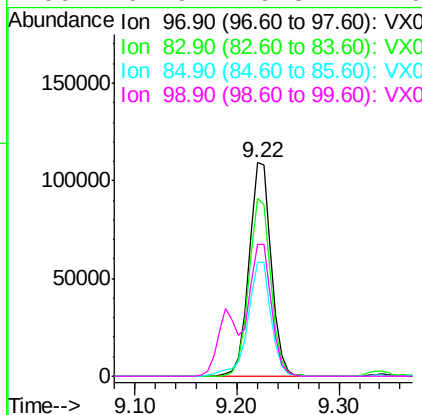
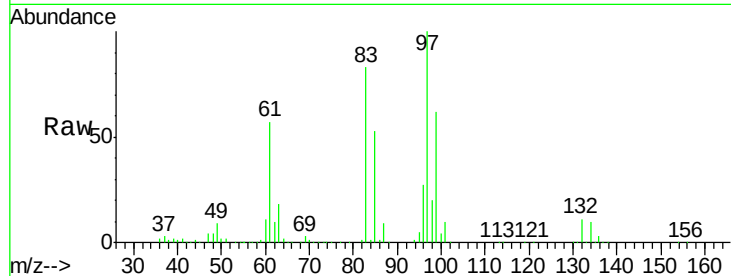
#55
 1,1,2-Trichloroethane
 Concen: 51.65 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		166811		
83	83.1	65.8	98.8		
85	53.2	43.4	65.0		
99	61.9	49.8	74.6		

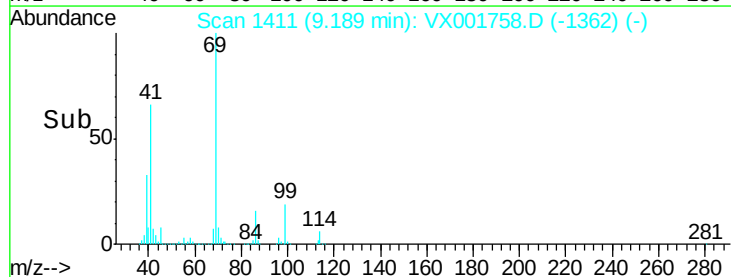
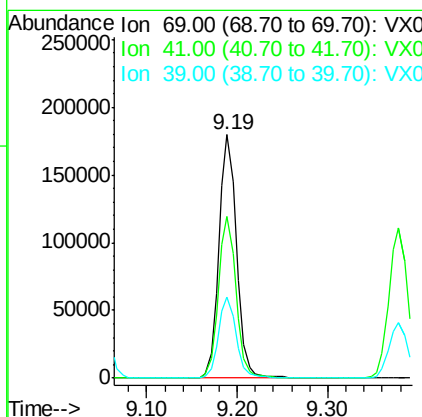
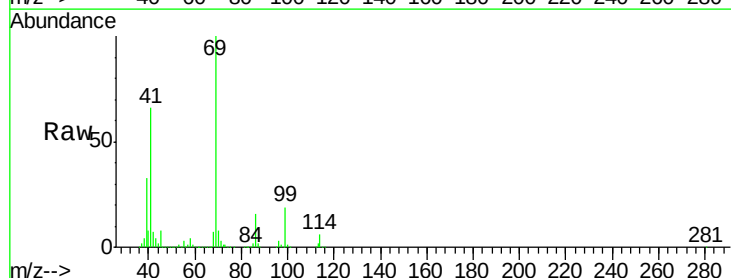
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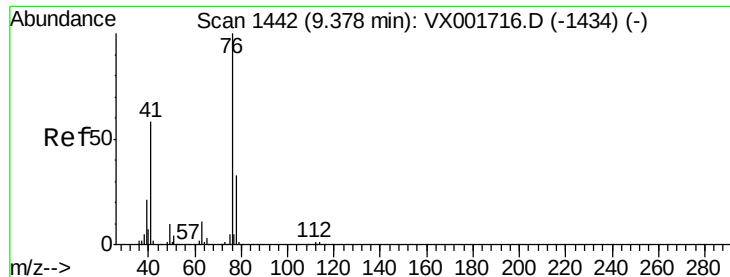
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#56
 Ethyl methacrylate
 Concen: 53.53 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		245161		
41	66.2	53.5	80.3		
39	33.4	27.2	40.8		





#57

1,3-Dichloropropane

Concen: 50.82 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 274791

Ion Ratio Lower Upper

76 100

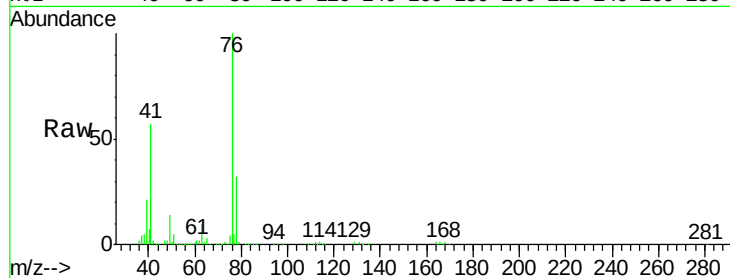
78 32.0 25.8 38.6

Manual Integrations

APPROVED

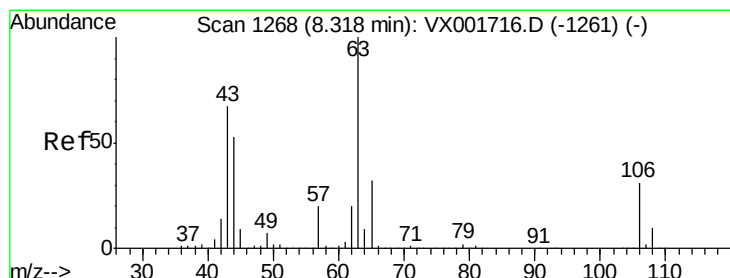
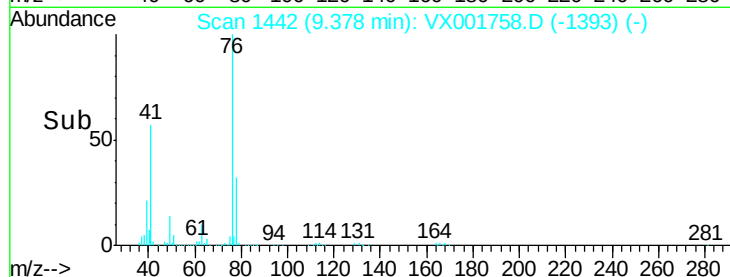
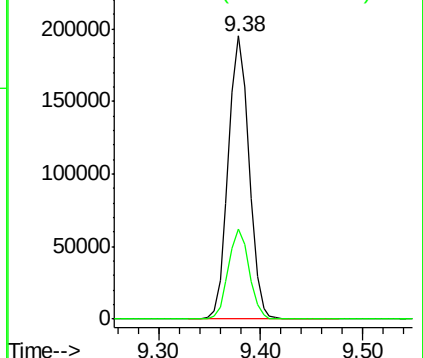
MMDadoda

5/16/2018 11:54:16 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 271.82 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VX001758.D

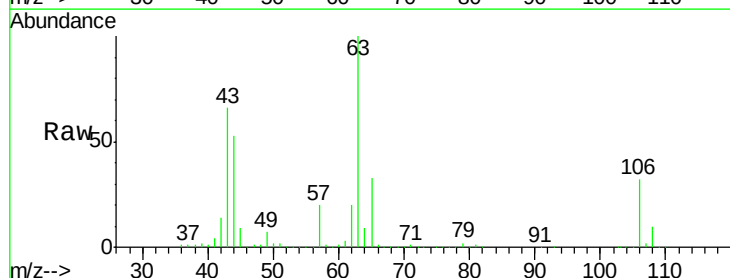
Acq: 15 May 2018 20:58

Tgt Ion: 63 Resp: 640400

Ion Ratio Lower Upper

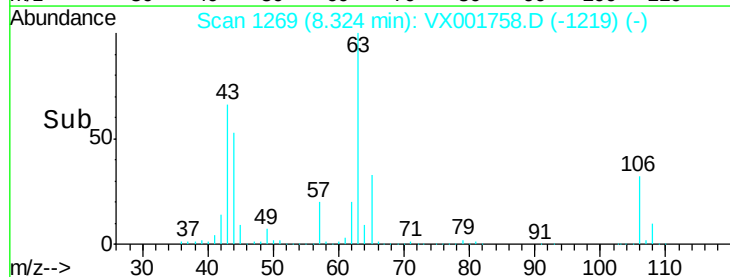
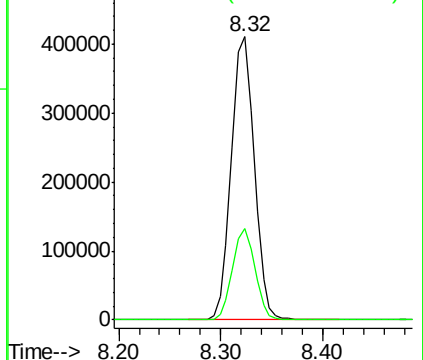
63 100

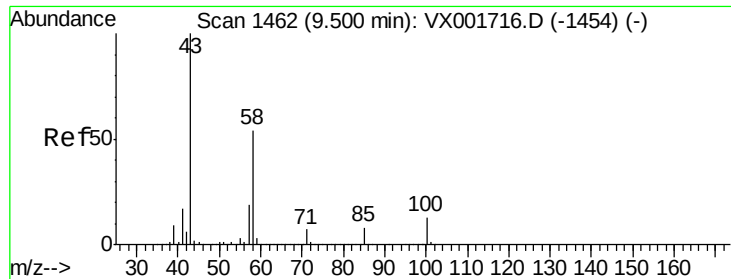
106 31.6 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





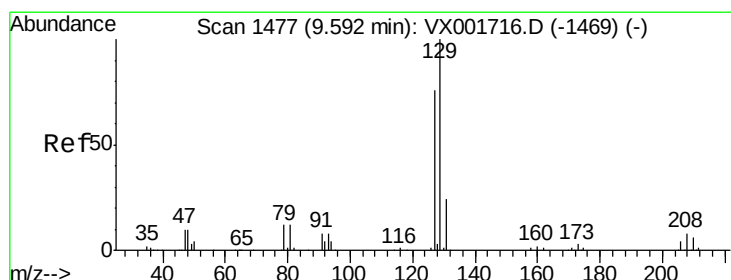
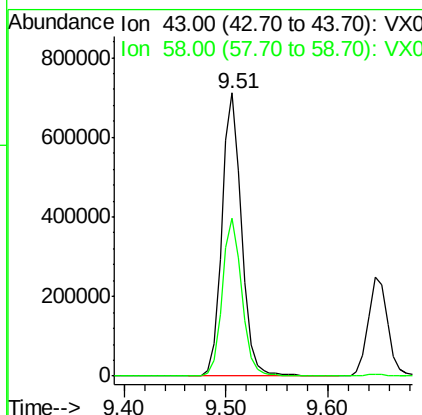
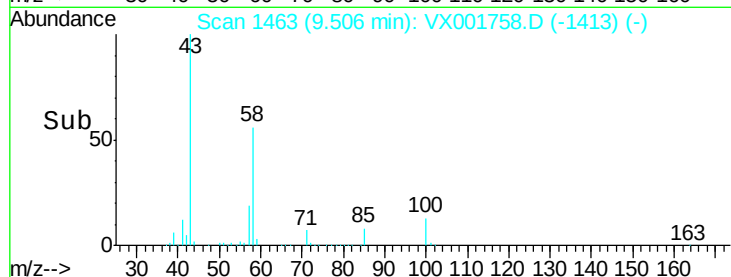
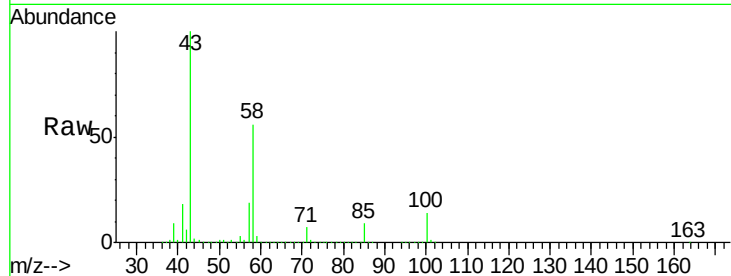
#59
2-Hexanone
Concen: 287.93 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.9	27.7	83.1

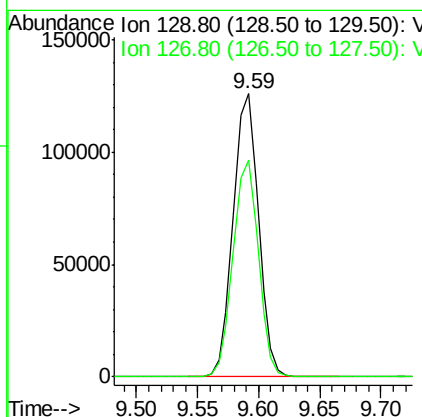
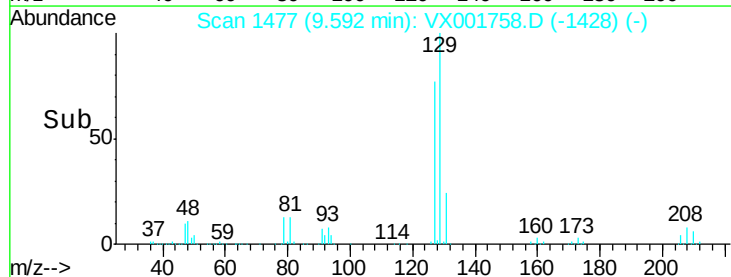
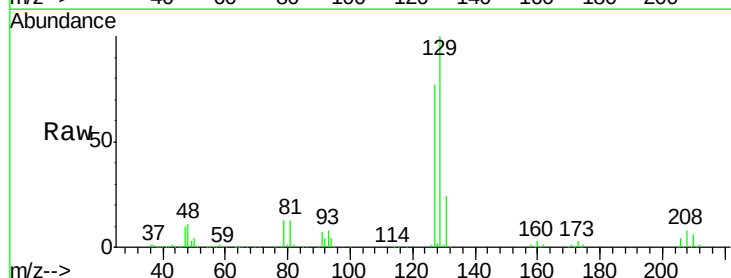
Manual Integrations
APPROVED

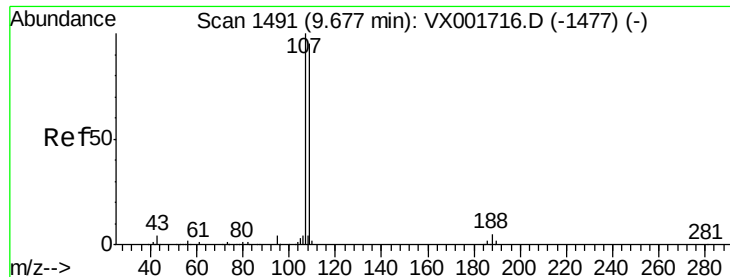
MMDadoda
5/16/2018 11:54:16 AM



#60
Dibromochloromethane
Concen: 54.51 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.7	116.1





#61

1,2-Dibromoethane

Concen: 52.23 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 176579

Ion Ratio Lower Upper

107 100

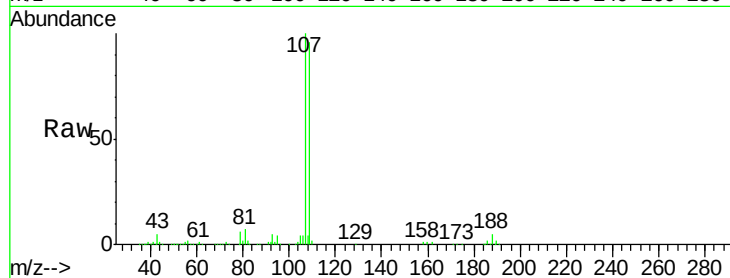
109 95.1 76.2 114.2

Manual Integrations

APPROVED

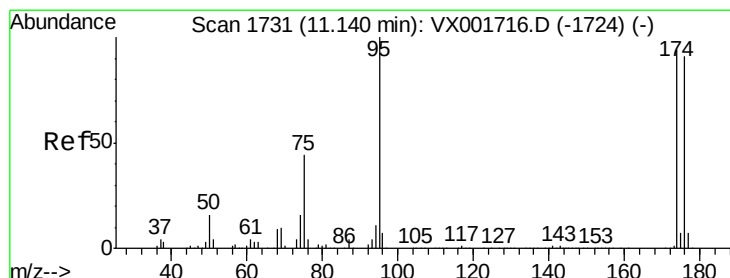
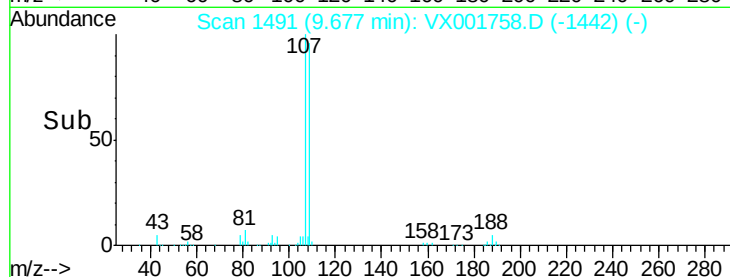
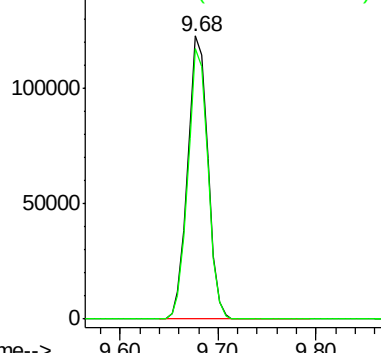
MMDadoda

5/16/2018 11:54:16 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.95 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

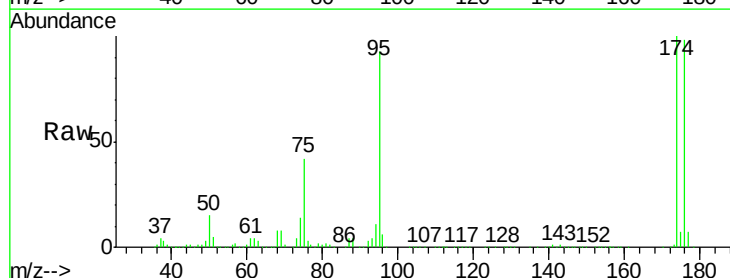
Tgt Ion: 95 Resp: 210733

Ion Ratio Lower Upper

95 100

174 102.3 0.0 201.8

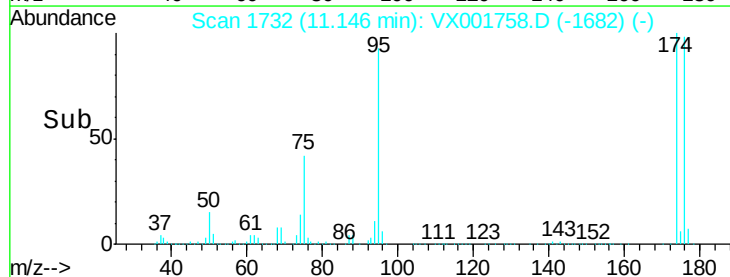
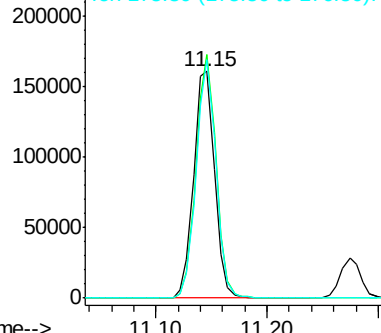
176 98.7 0.0 196.8

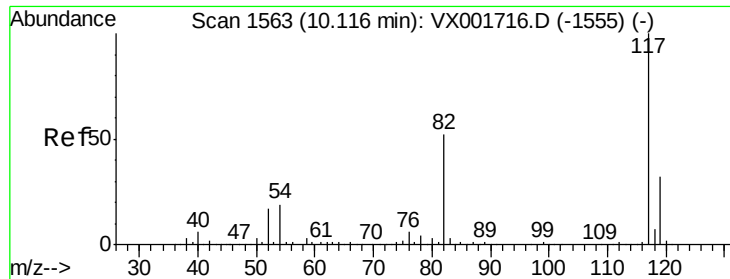


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





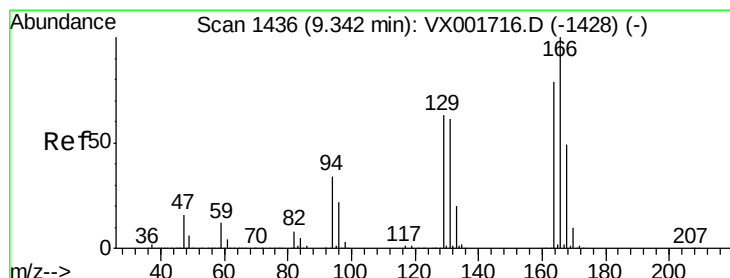
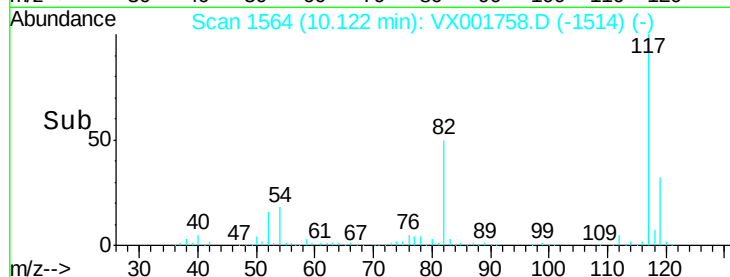
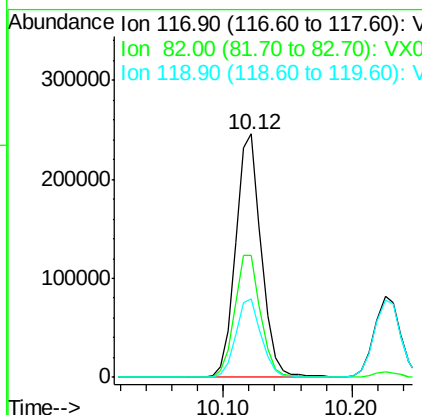
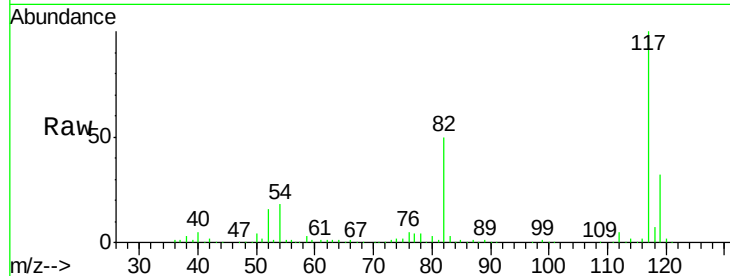
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	339247		
82	49.8		41.4	62.2
119	32.0		25.6	38.4

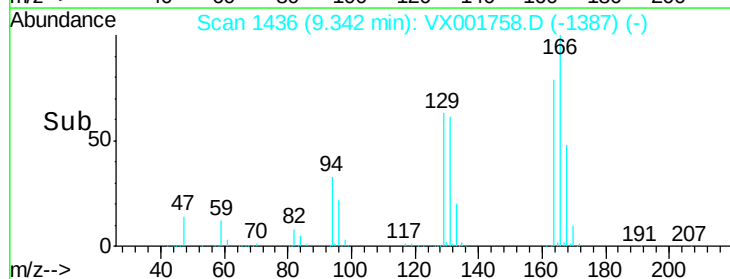
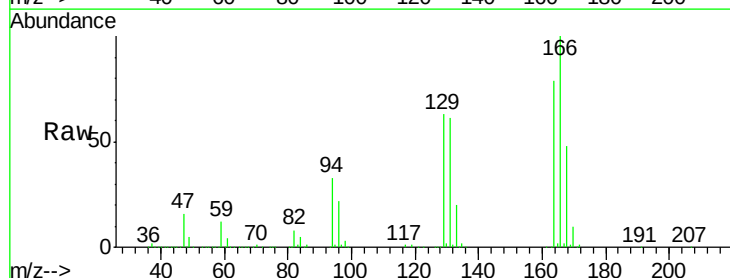
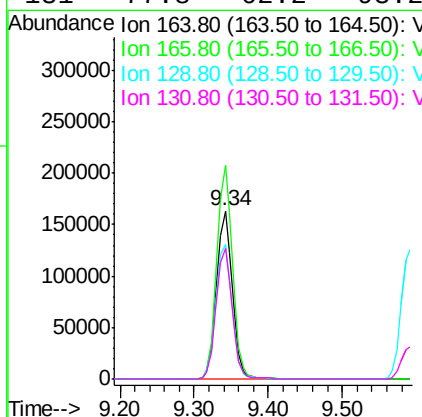
Manual Integrations
APPROVED

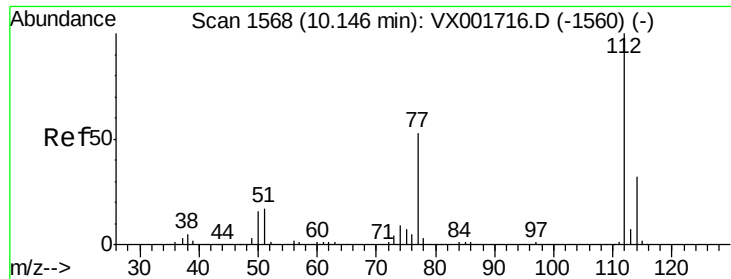
MMDadoda
5/16/2018 11:54:16 AM



#64
Tetrachloroethene
Concen: 53.94 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	238225		
166	127.0		101.8	152.8
129	80.2		63.8	95.6
131	77.8		62.2	93.2





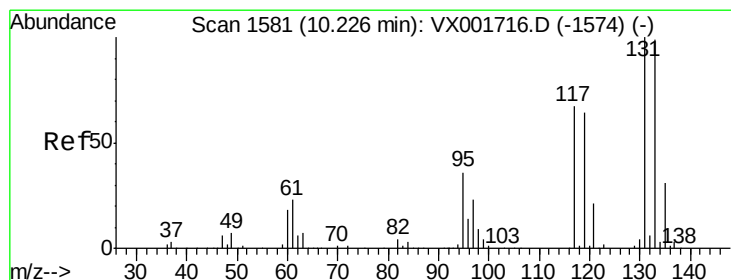
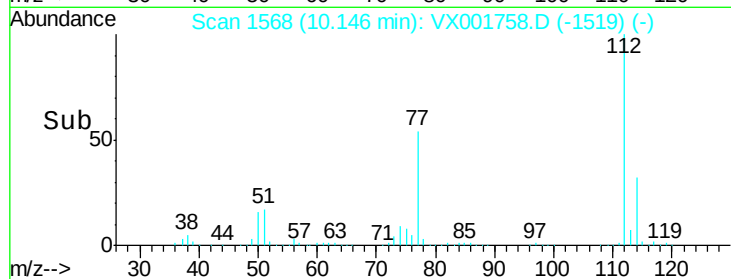
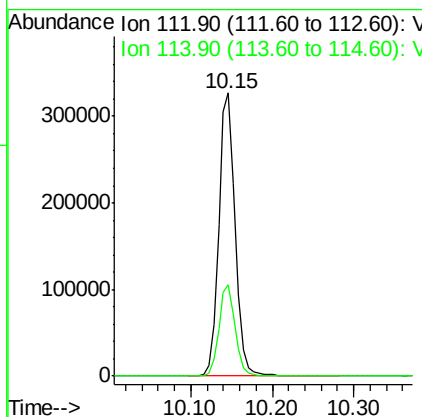
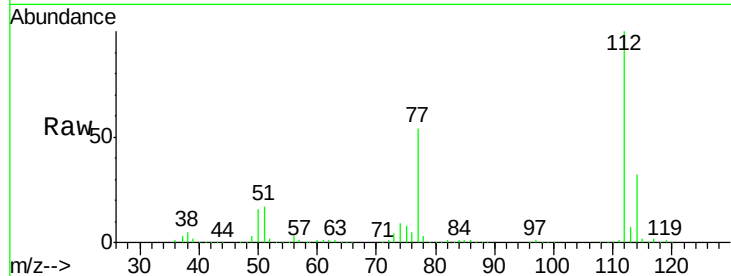
#65
Chlorobenzene
Concen: 49.32 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 460249
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

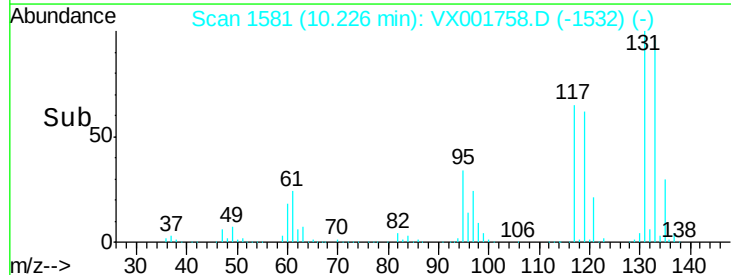
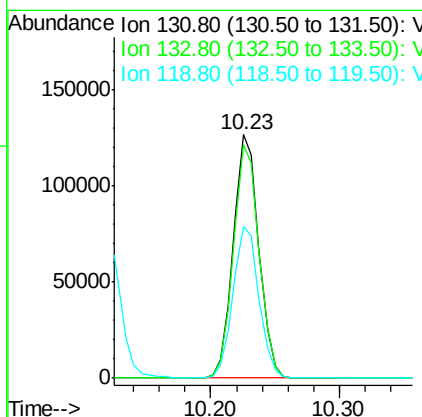
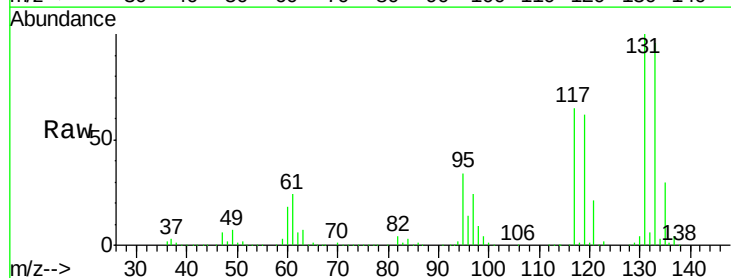
Manual Integrations
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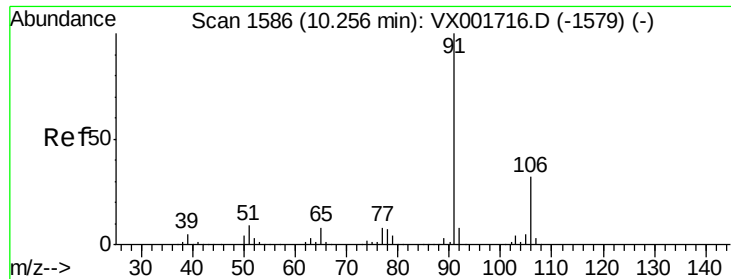
MMDadoda
5/16/2018 11:54:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.98 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Tgt Ion:131 Resp: 174599
Ion Ratio Lower Upper
131 100
133 96.5 48.5 145.6
119 63.4 31.9 95.5





#67

Ethyl Benzene

Concen: 50.75 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 756905

Ion Ratio Lower Upper

91 100

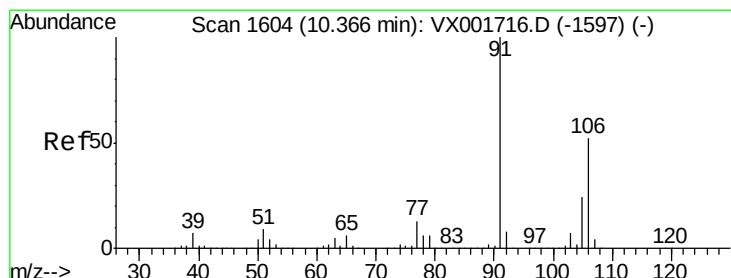
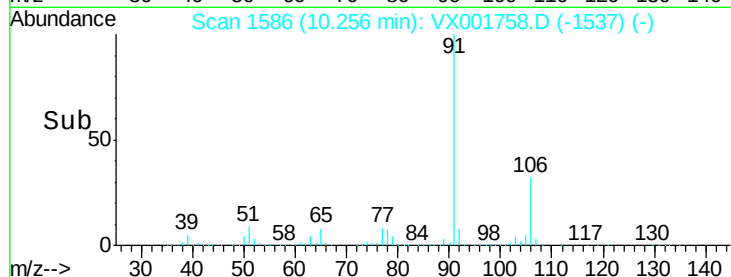
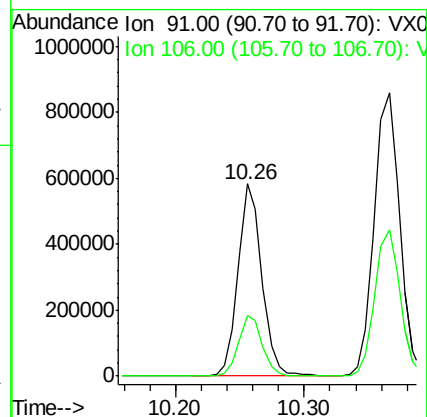
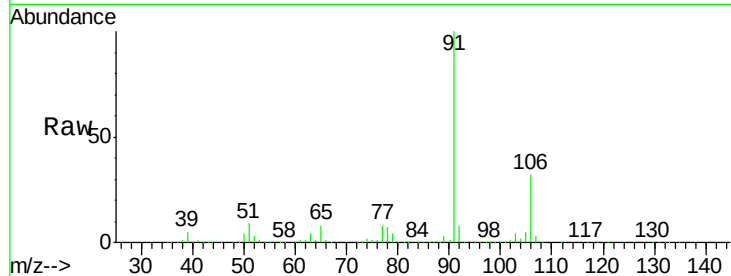
106 31.8 25.7 38.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 102.73 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001758.D

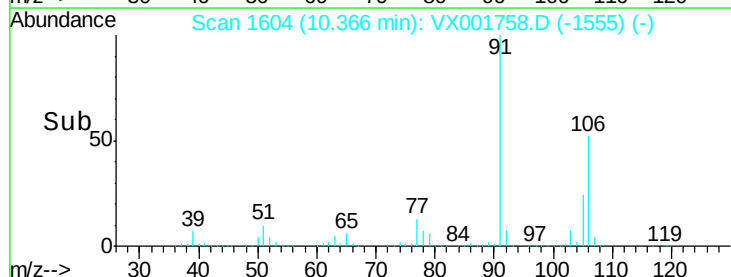
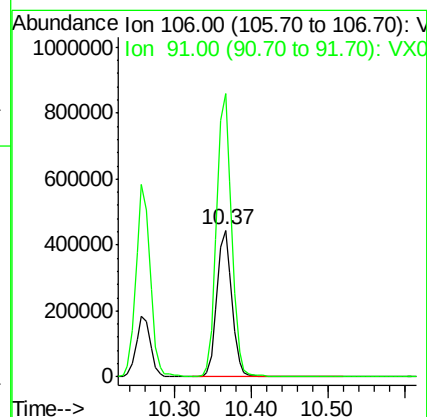
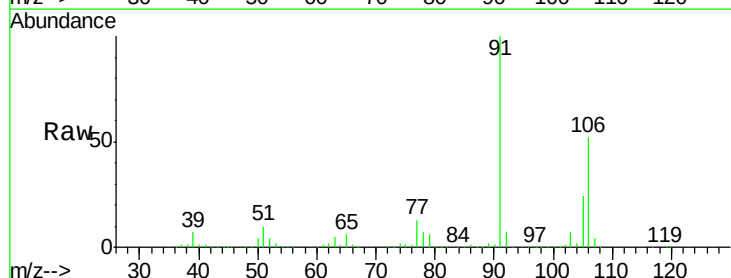
Acq: 15 May 2018 20:58

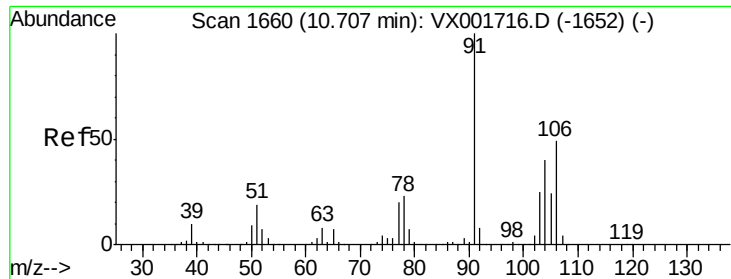
Tgt Ion: 106 Resp: 604454

Ion Ratio Lower Upper

106 100

91 194.2 155.4 233.2





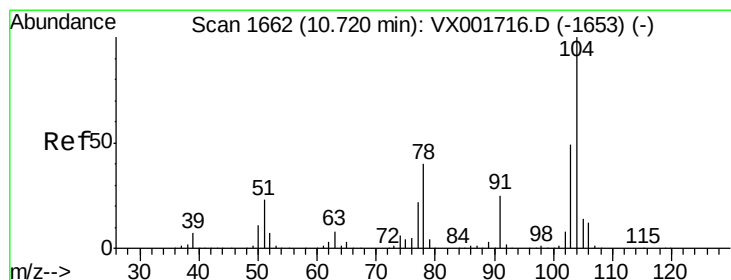
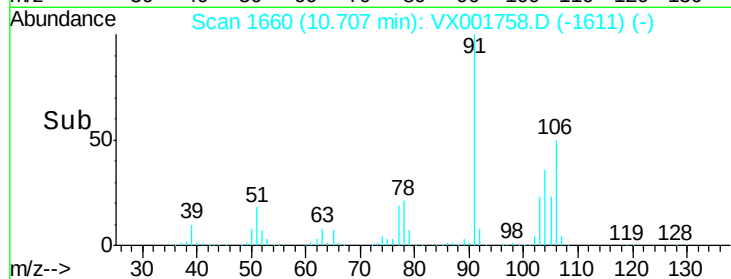
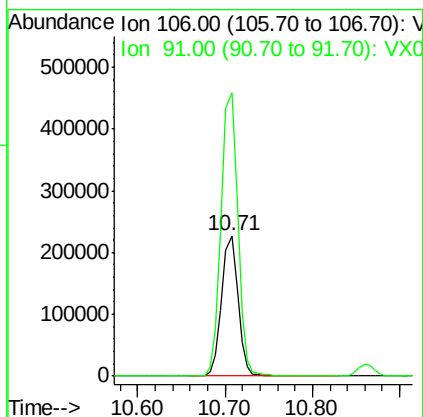
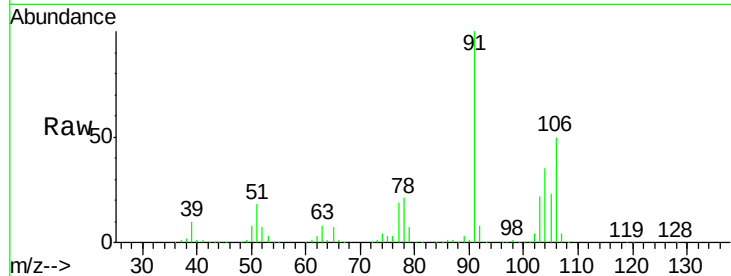
#69
o-Xylene
Concen: 52.36 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		295071		
91	206.1	103.4	310.2		

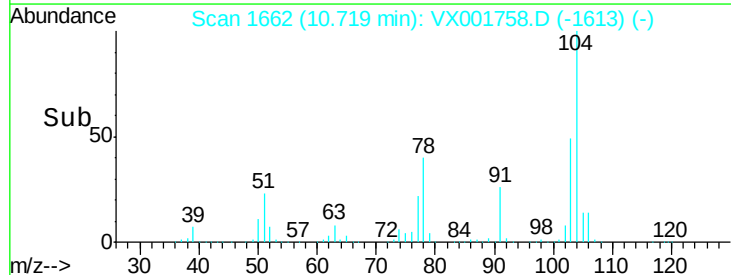
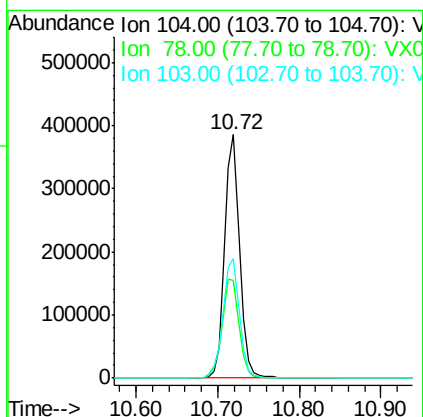
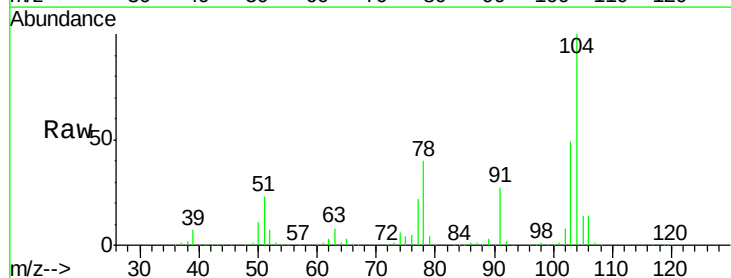
Manual Integrations
APPROVED

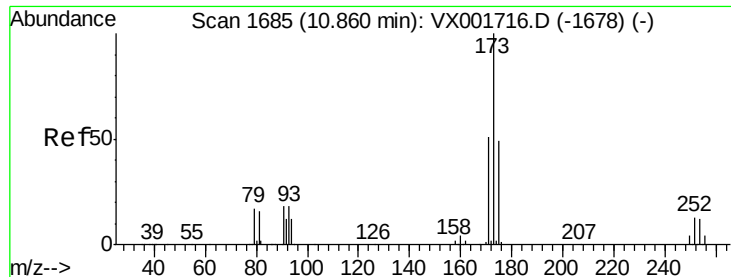
MMDadoda
5/16/2018 11:54:16 AM



#70
Styrene
Concen: 52.68 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		489622		
78	47.0	37.3	55.9		
103	54.6	43.7	65.5		





#71

Bromoform

Concen: 48.73 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

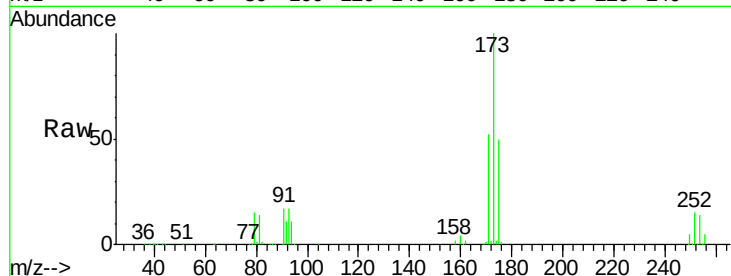
ClientSampleId :

VSTDCCC050EC

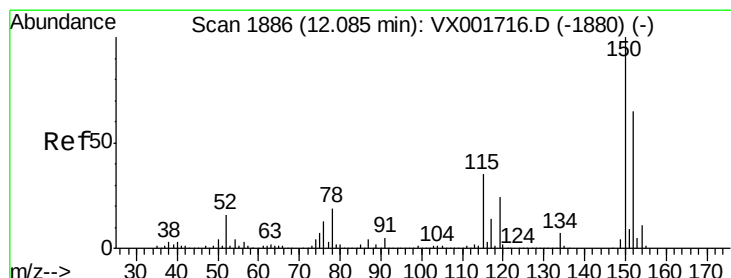
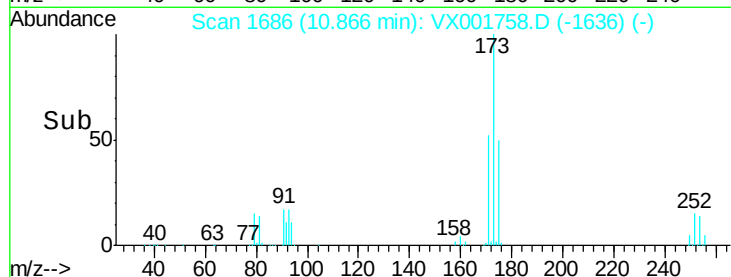
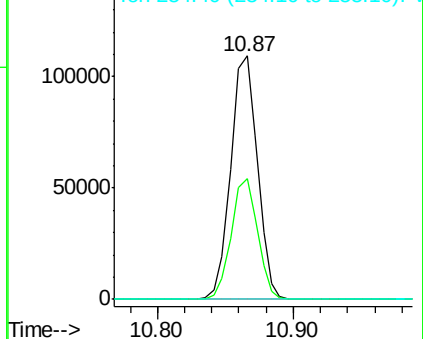
Tot Ion:	173	Resp:	149234
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.3	72.8
254	0.2	0.2	0.2

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



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

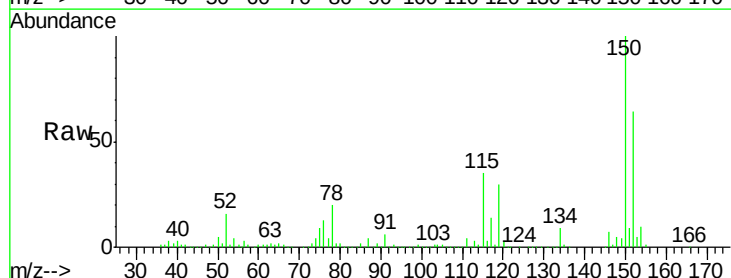
RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

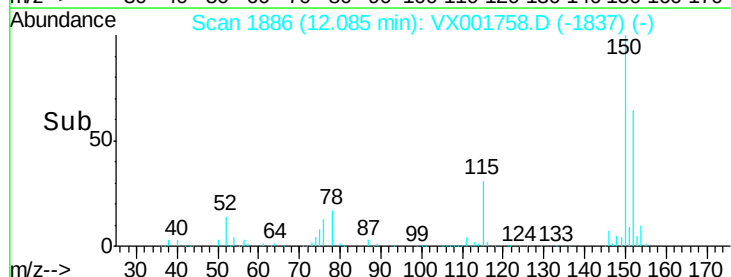
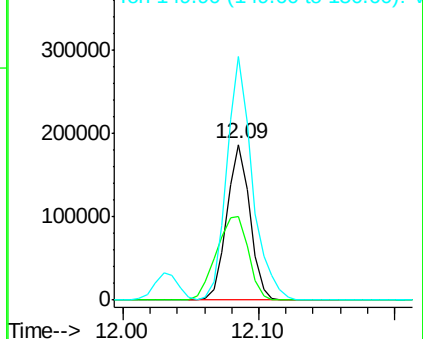
Lab File: VX001758.D

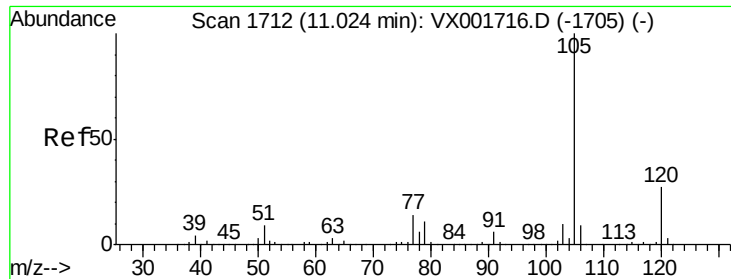
Acq: 15 May 2018 20:58

Tgt Ion:	152	Resp:	218147
Ion Ratio	Lower	Upper	
152	100		
115	75.3	37.4	112.2
150	174.2	0.0	344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.35 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 780869

Ion Ratio Lower Upper

105 100

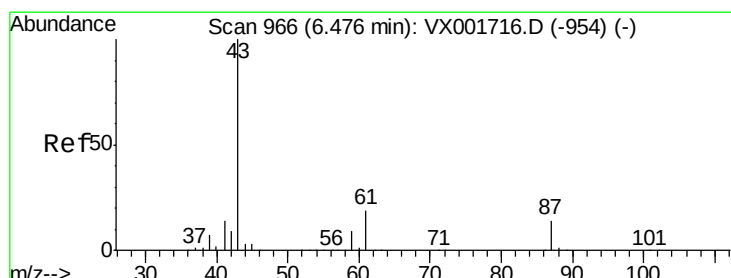
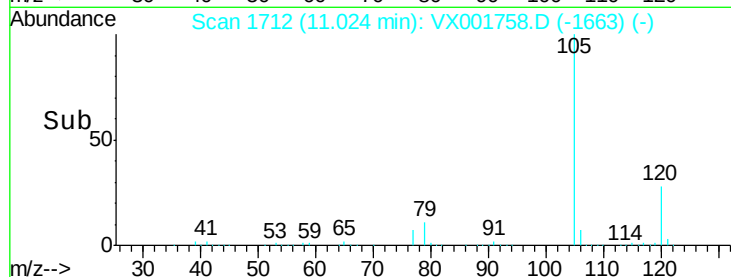
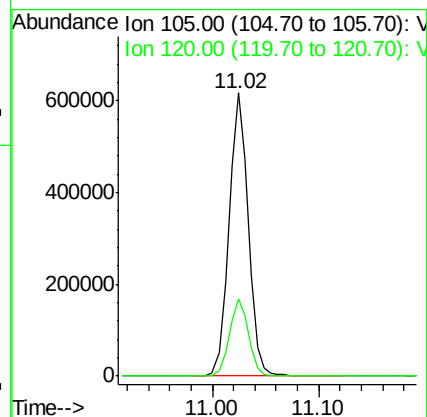
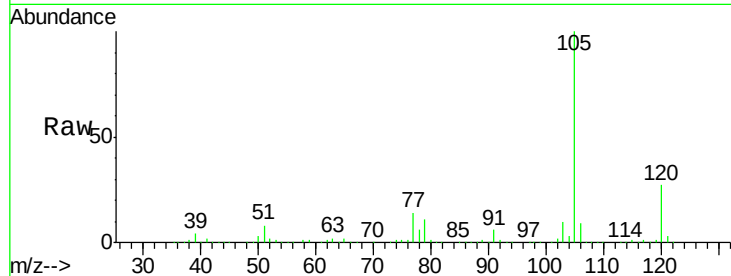
120 27.3 13.8 41.3

Manual Integrations

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5/16/2018 11:54:16 AM



#74

N-ethyl acetate

Concen: 56.55 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Tgt Ion: 43 Resp: 389497

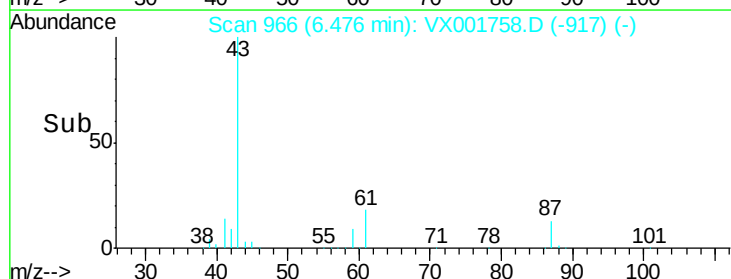
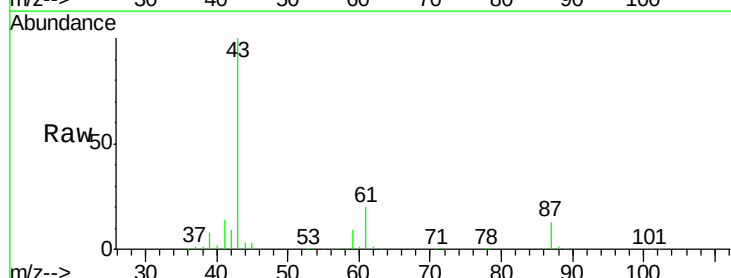
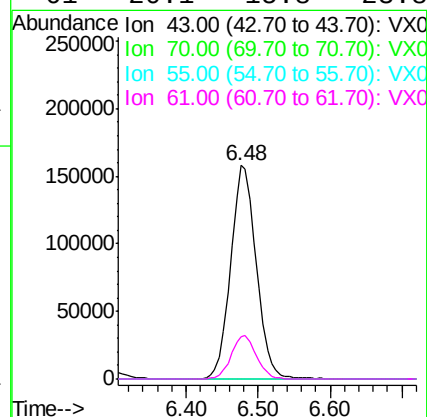
Ion Ratio Lower Upper

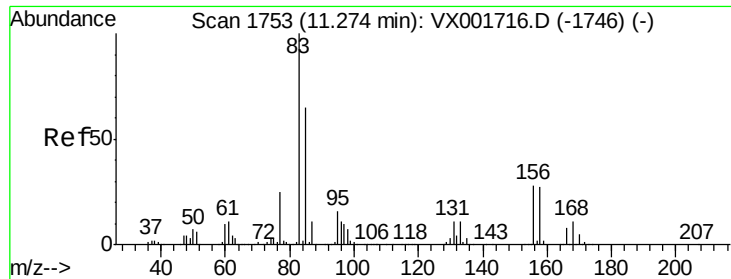
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 20.1 15.8 23.8





#75

1,1,2,2-Tetrachloroethane

Concen: 54.75 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

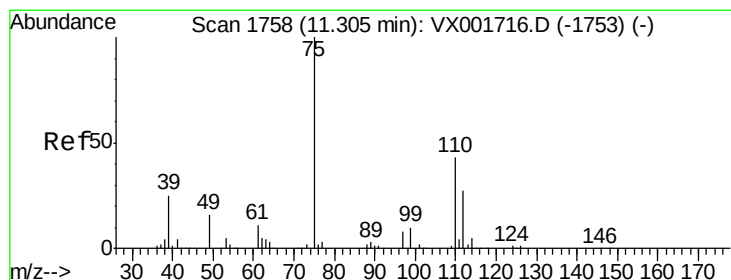
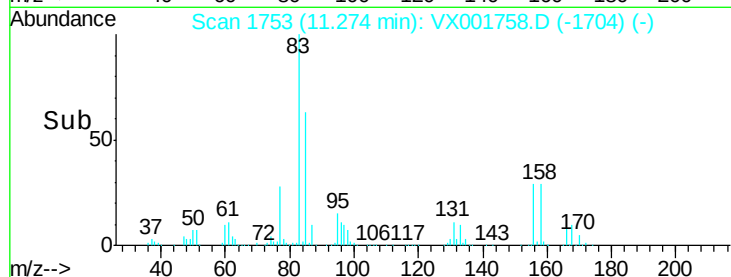
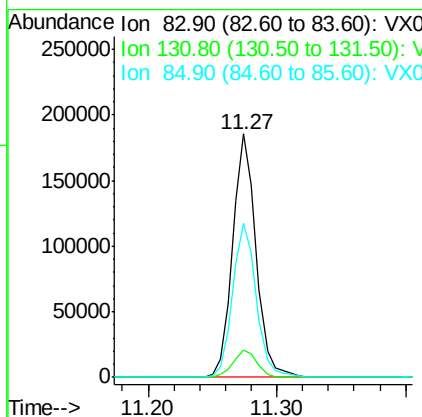
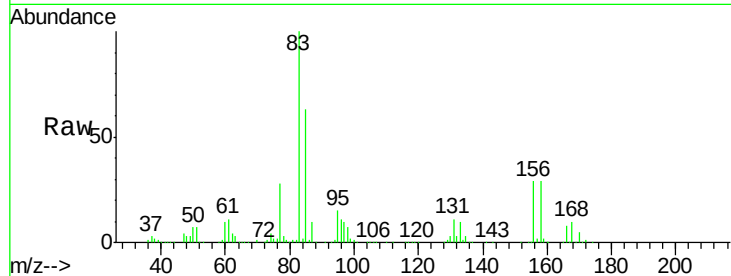
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	235926
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.7	17.0
85	64.2	32.7	98.1

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



#76

1,2,3-Trichloropropane

Concen: 55.23 ug/l m

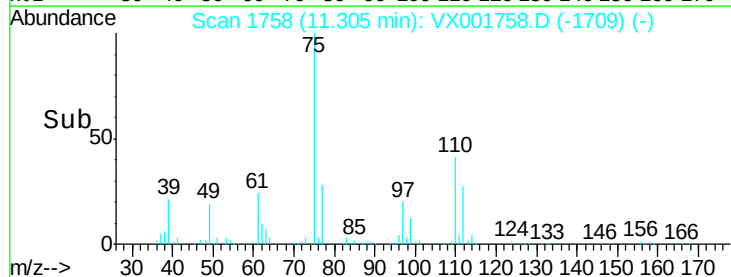
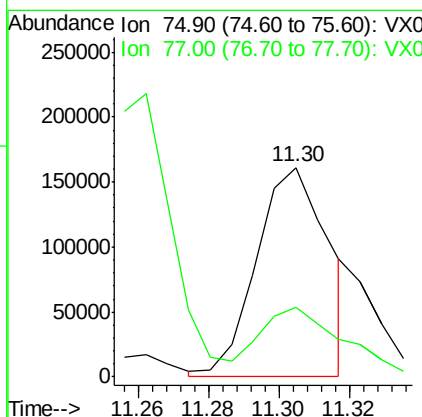
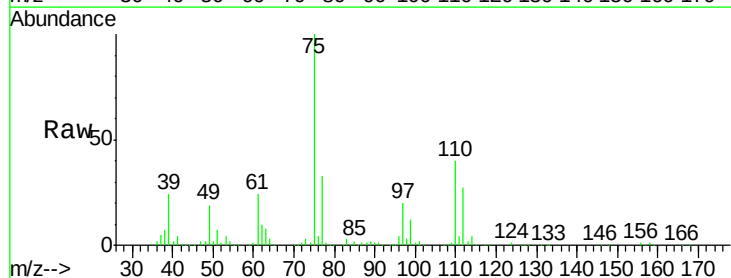
RT: 11.30 min Scan# 1758

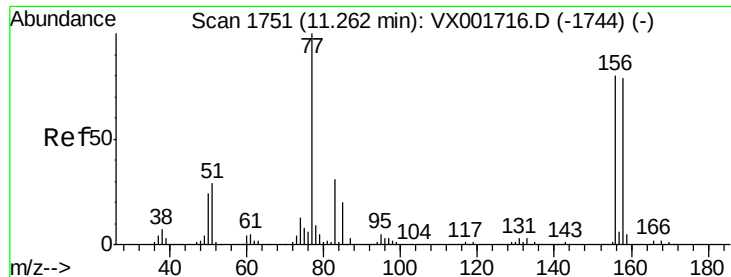
Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Tgt Ion:	75	Resp:	229097
Ion Ratio	Lower	Upper	
75	100		
77	38.4	18.9	56.7





#77

Bromobenzene

Concen: 52.75 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

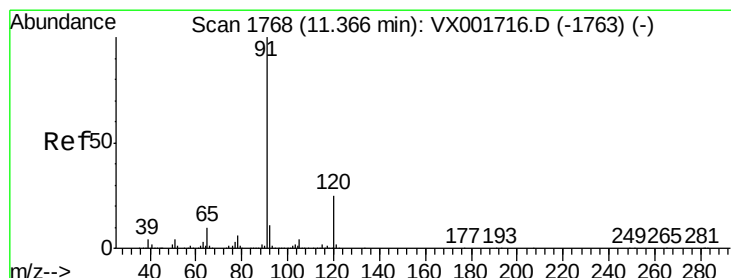
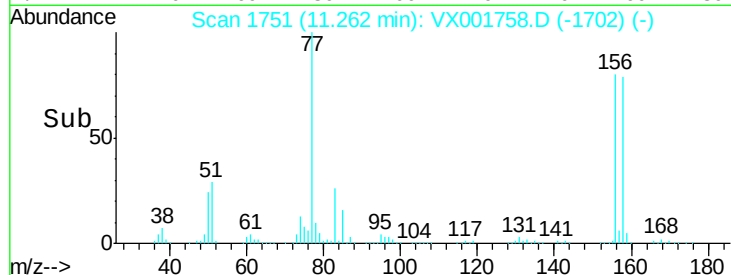
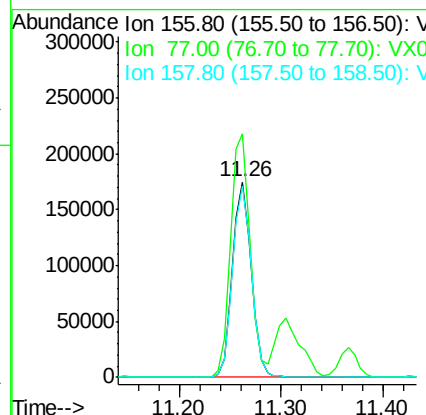
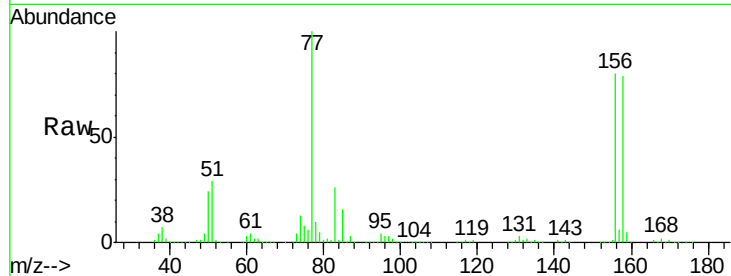
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	222664
Ion Ratio	Lower	Upper	
156	100		
77	129.4	65.3	196.0
158	98.5	49.1	147.3

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



#78

n-propylbenzene

Concen: 52.38 ug/l

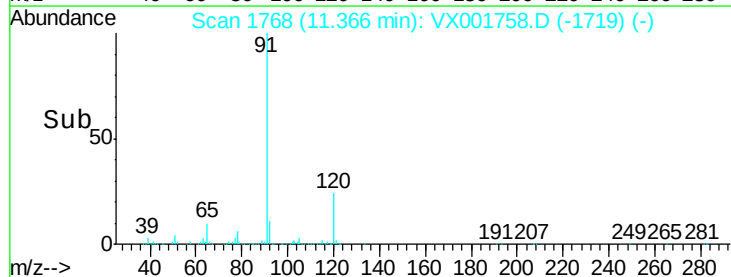
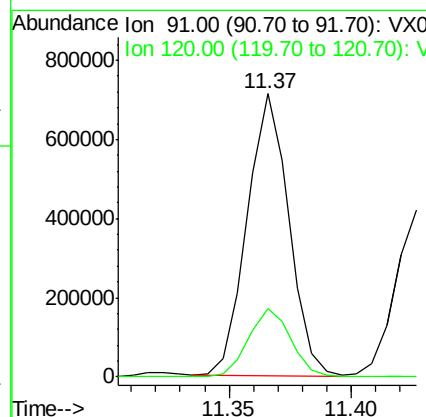
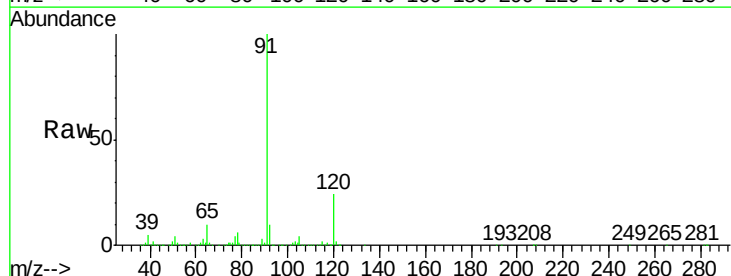
RT: 11.37 min Scan# 1768

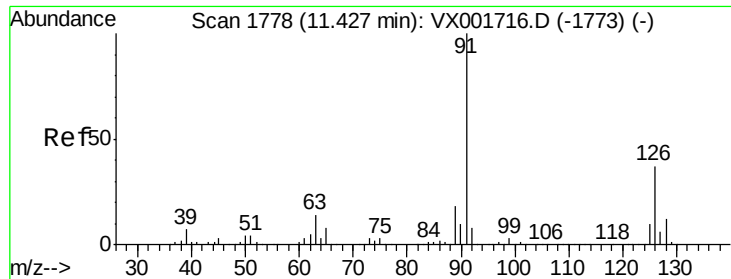
Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Tgt Ion:	91	Resp:	847782
Ion Ratio	Lower	Upper	
91	100		
120	24.9	12.5	37.5





#79

2-Chlorotoluene

Concen: 53.19 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 514839

Ion Ratio Lower Upper

91 100

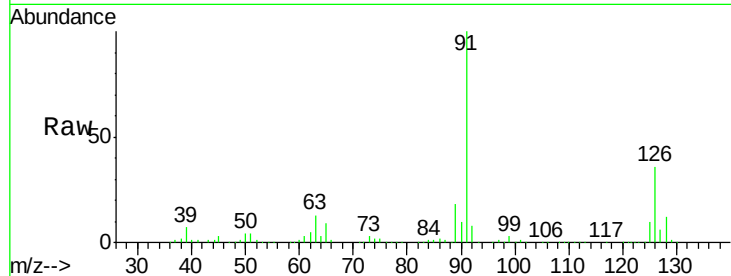
126 36.9 18.4 55.4

Manual Integrations

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MMDadoda

5/16/2018 11:54:16 AM



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

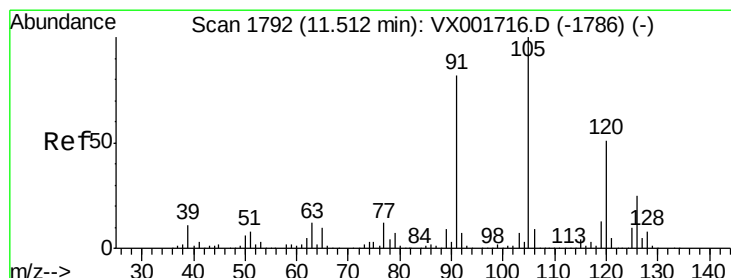
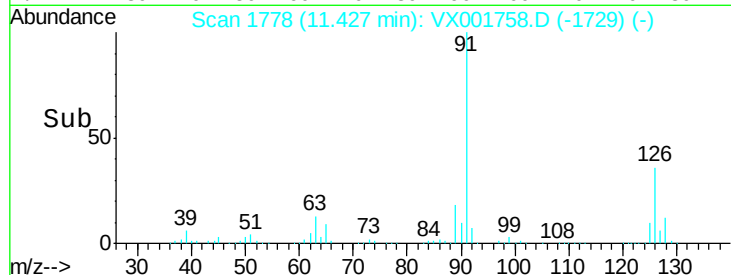
400000

200000

0

11.40 11.43 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.61 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001758.D

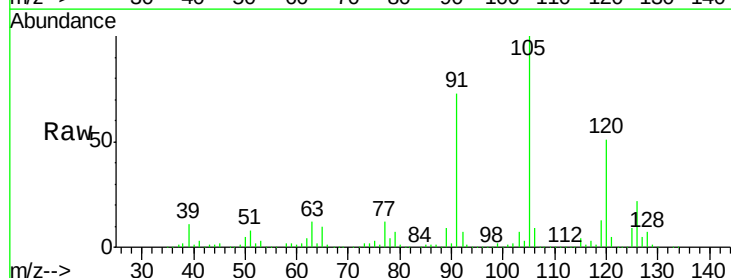
Acq: 15 May 2018 20:58

Tgt Ion: 105 Resp: 643589

Ion Ratio Lower Upper

105 100

120 51.6 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

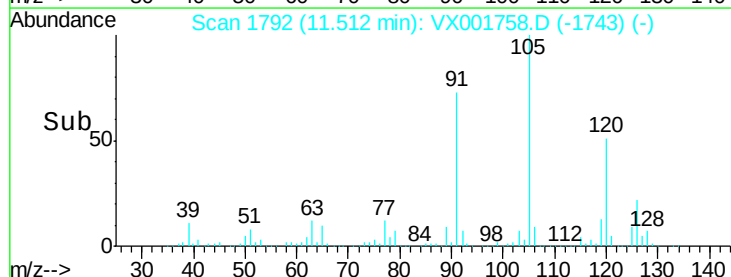
200000

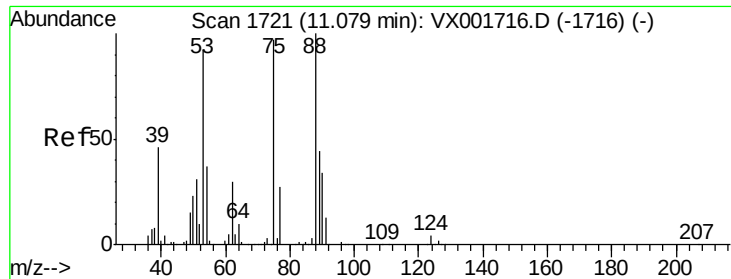
100000

0

11.50 11.51 11.52 11.53 11.54 11.55 11.56 11.57 11.58 11.59 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 45.43 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

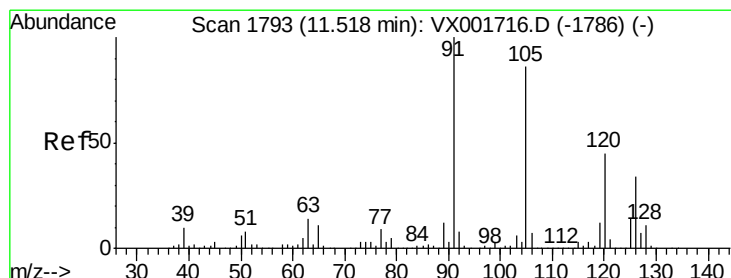
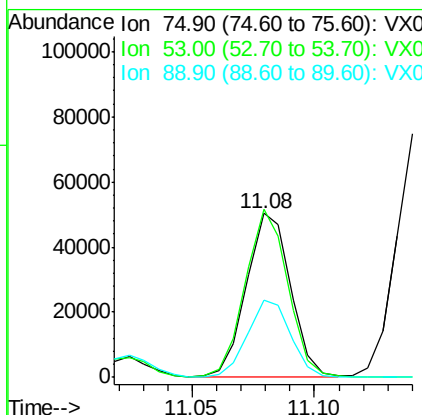
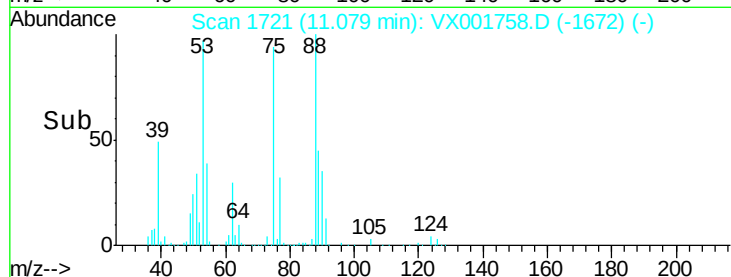
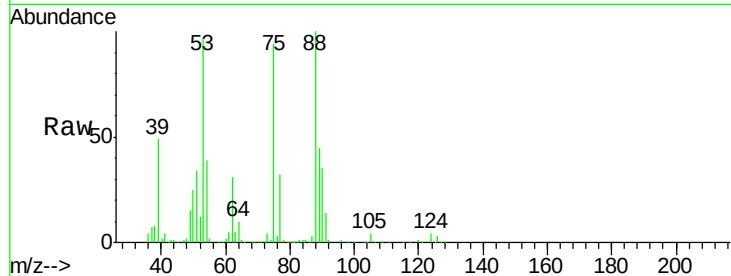
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	62787
Ion	Ratio	Lower	Upper
75	100		
53	99.6	79.4	119.2
89	46.9	38.8	58.2

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



#82

4-Chlorotoluene

Concen: 51.40 ug/l

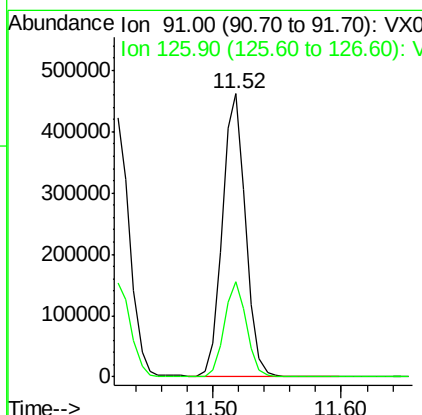
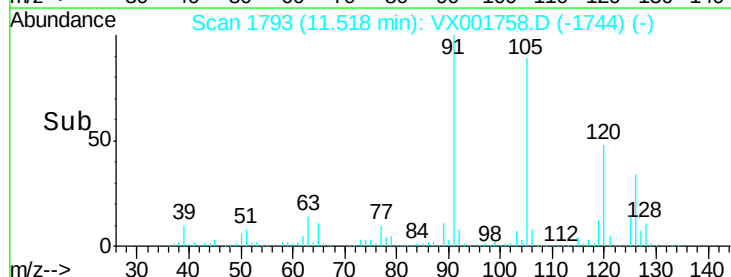
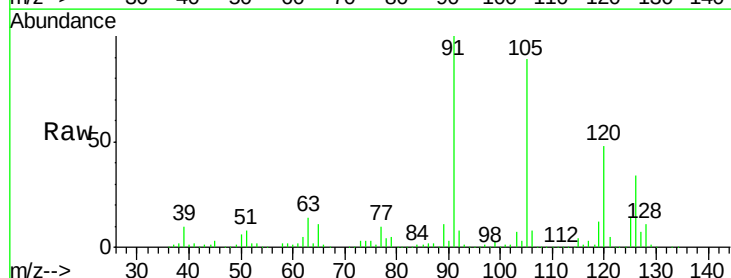
RT: 11.52 min Scan# 1793

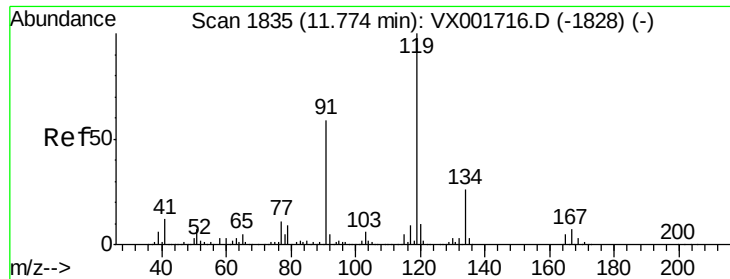
Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Tgt Ion:	91	Resp:	586119
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.1





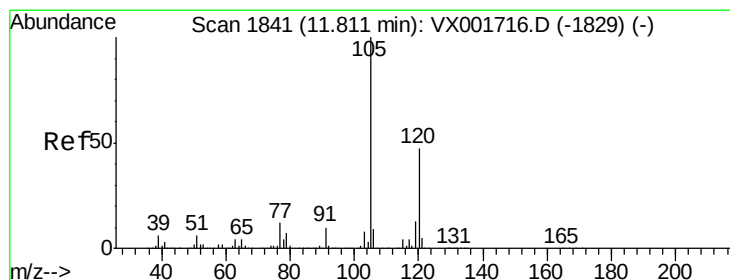
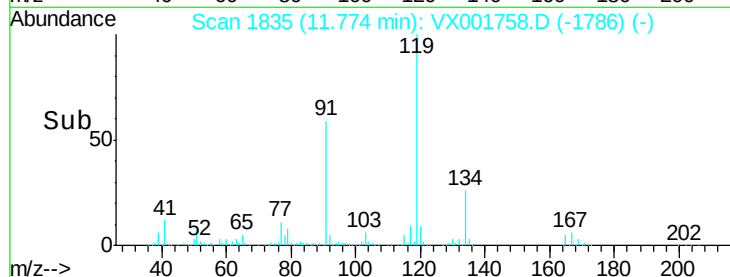
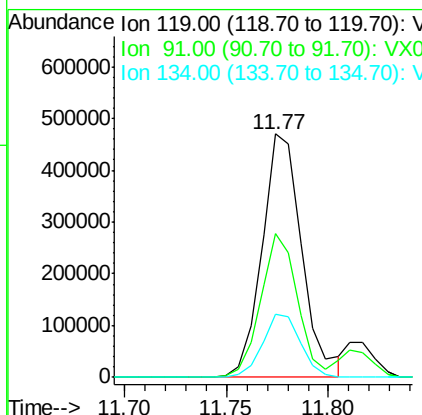
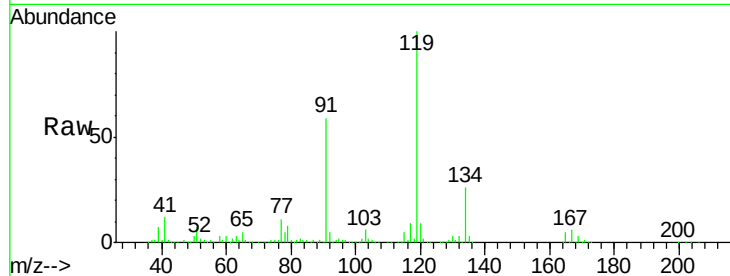
#83
 tert-Butylbenzene
 Concen: 54.55 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.6	27.7	83.0
134	24.8	12.7	38.1

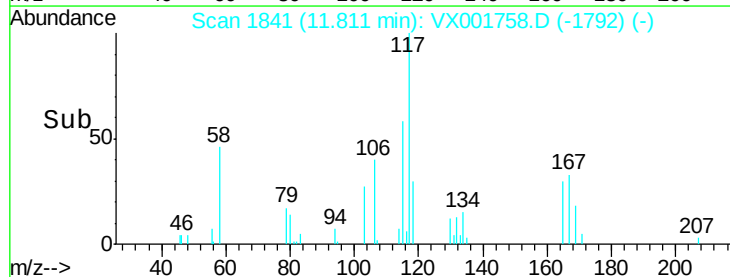
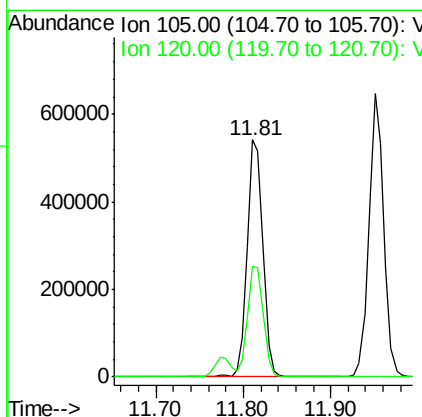
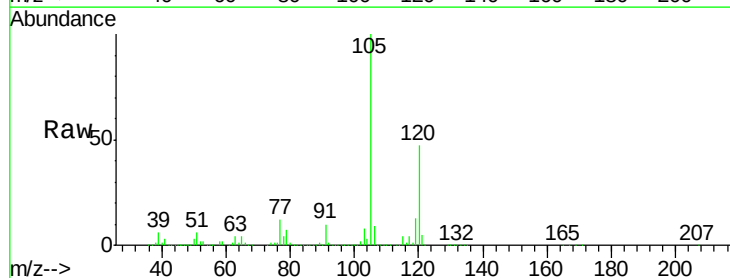
Manual Integrations
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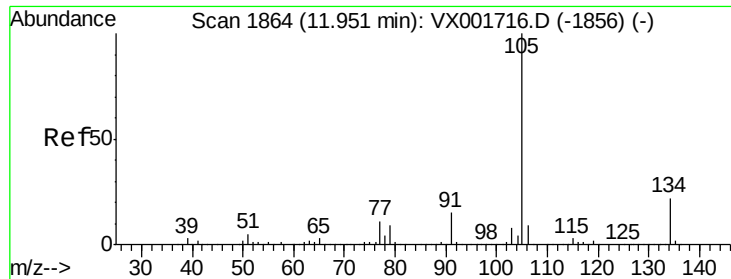
MMDadoda
 5/16/2018 11:54:16 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.59 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.5	70.5





#85

sec-Butylbenzene

Concen: 53.08 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 768559

Ion Ratio Lower Upper

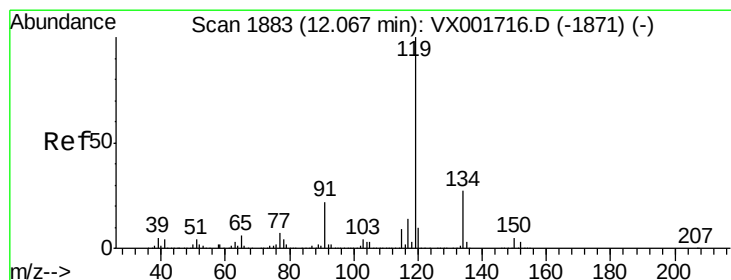
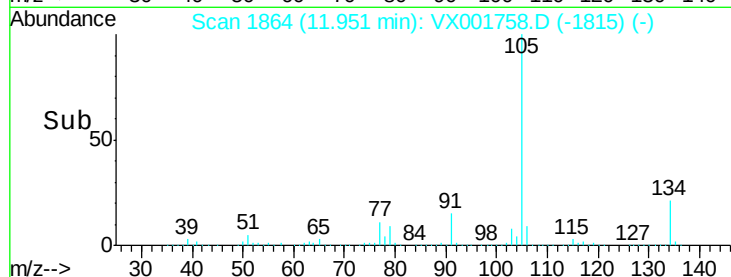
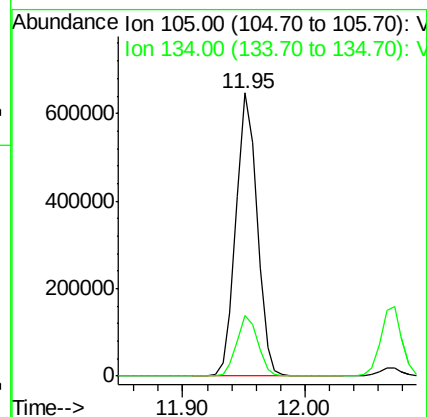
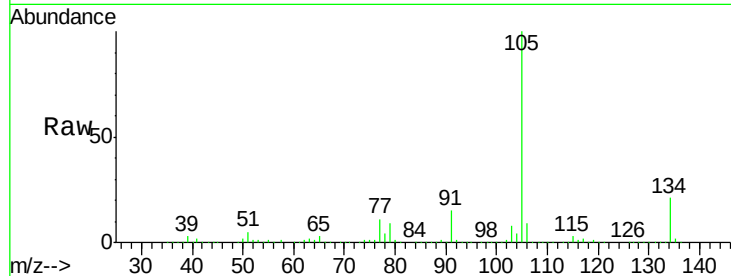
105 100

134 21.5 10.9 32.6

Manual Integrations
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MMDadoda

5/16/2018 11:54:16 AM



#86

p-Isopropyltoluene

Concen: 52.55 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

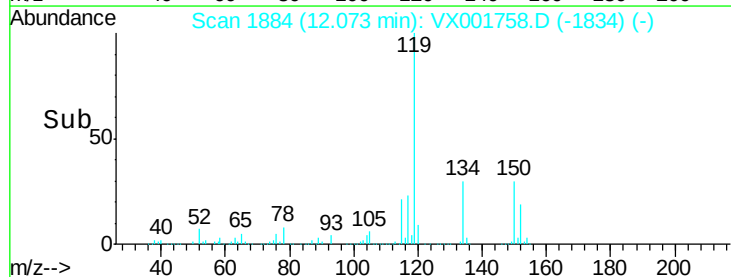
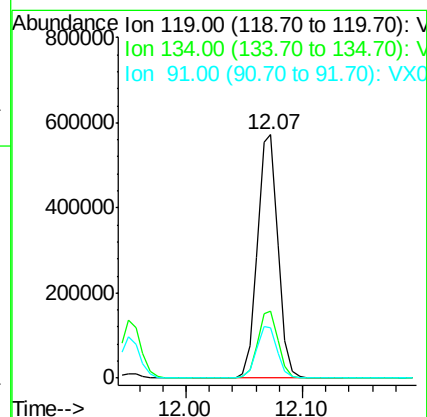
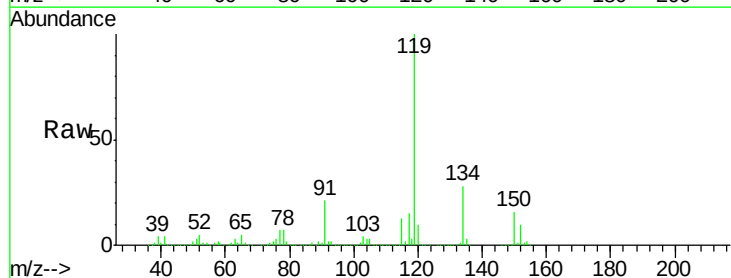
Tgt Ion:119 Resp: 704050

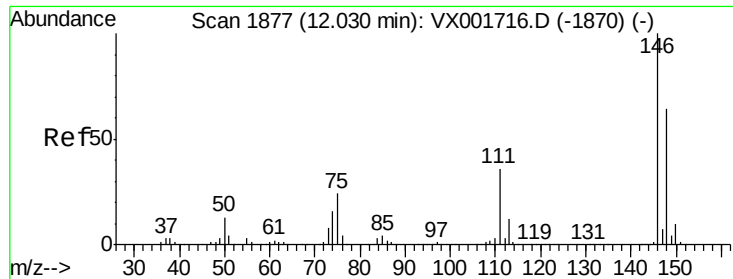
Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

91 21.0 10.7 32.1





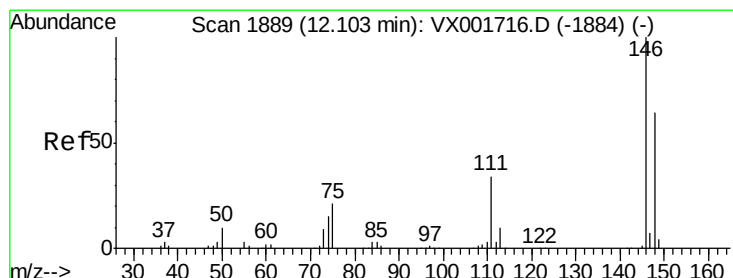
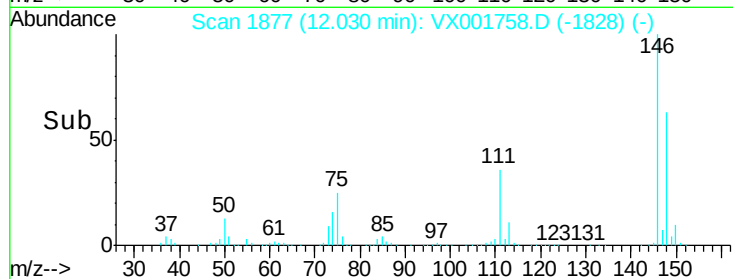
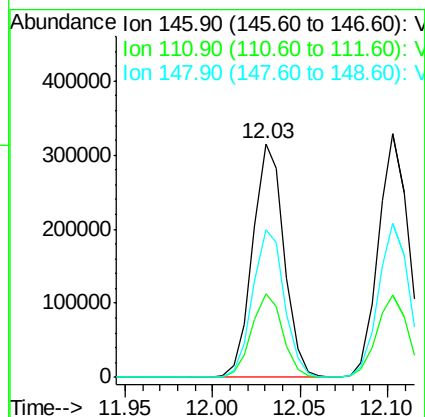
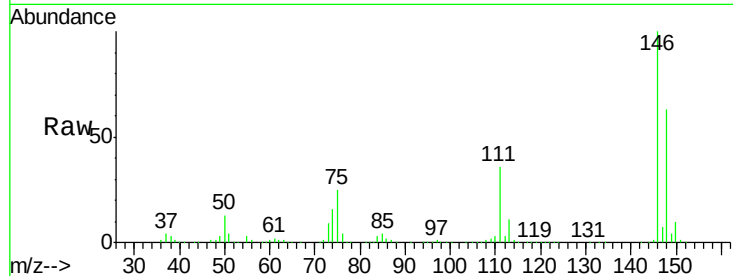
#87
 1,3-Dichlorobenzene
 Concen: 50.32 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.5	17.8	53.4
148	64.1	32.1	96.3

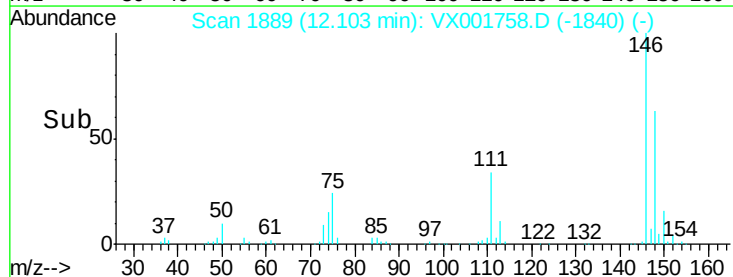
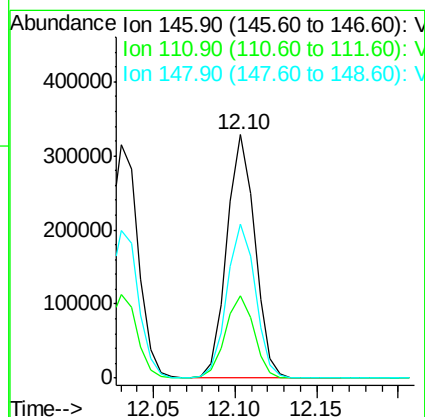
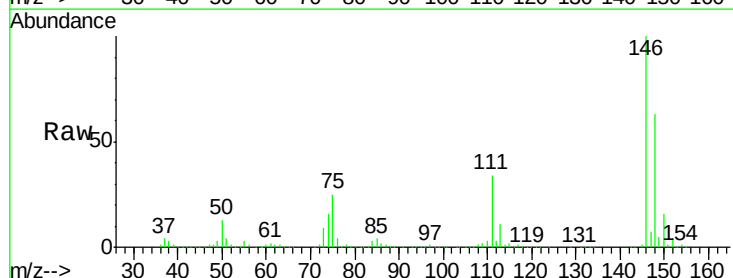
Manual Integrations
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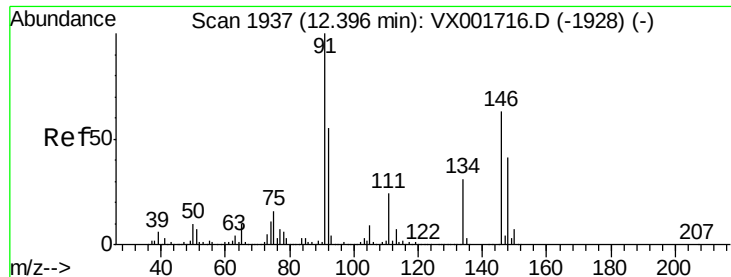
MMDadoda
 5/16/2018 11:54:16 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.75 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.7	17.3	52.0
148	64.3	32.3	96.9





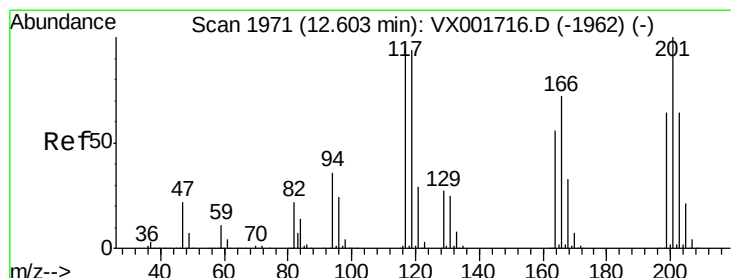
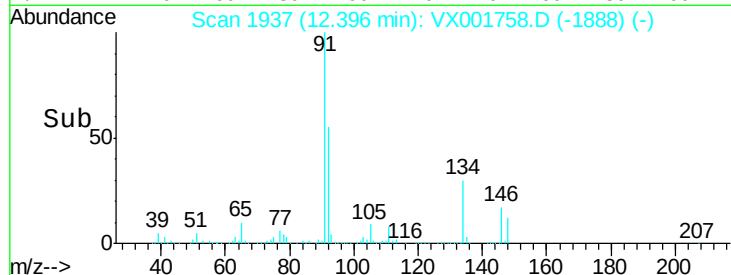
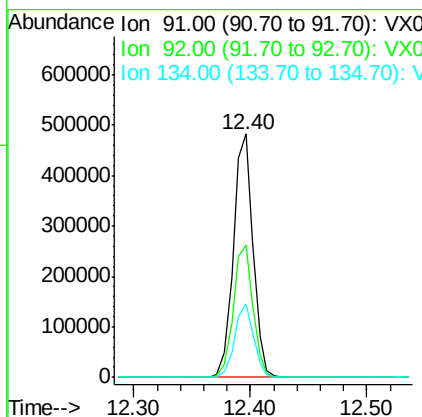
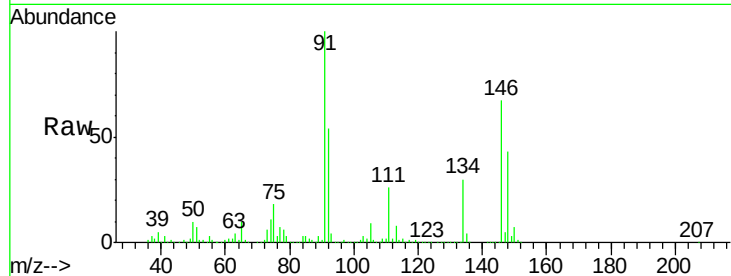
#89
n-Butylbenzene
Concen: 48.69 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	564157		
92	54.3		27.3	81.9
134	29.3		14.7	44.1

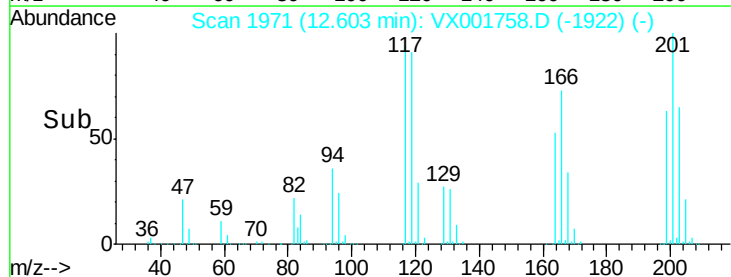
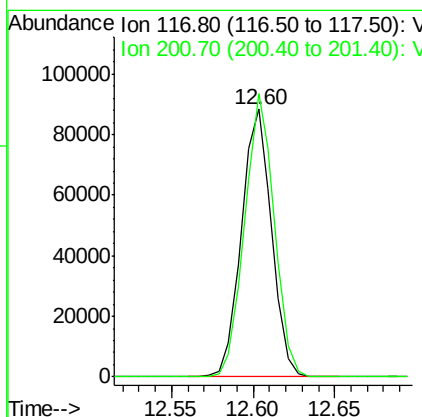
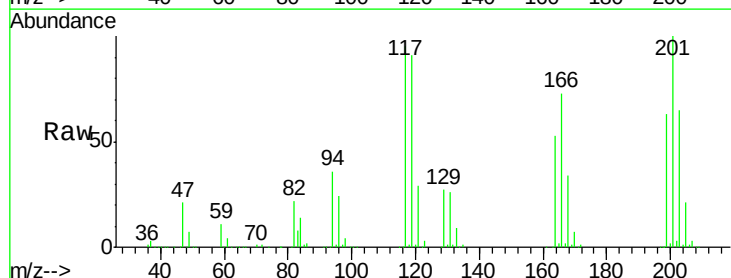
Manual Integrations
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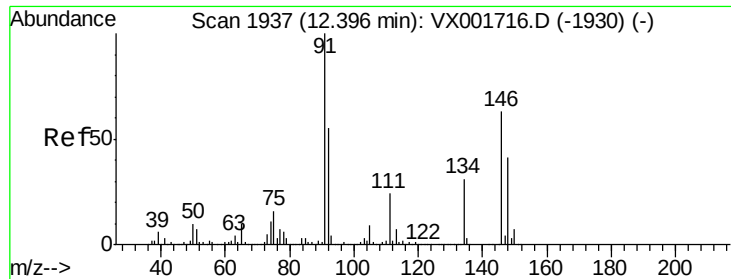
MMDadoda
5/16/2018 11:54:16 AM



#90
Hexachloroethane
Concen: 54.54 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001758.D
Acq: 15 May 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	113477		
201	104.0		51.9	155.7





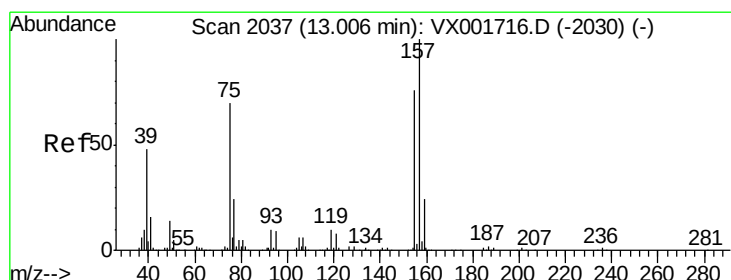
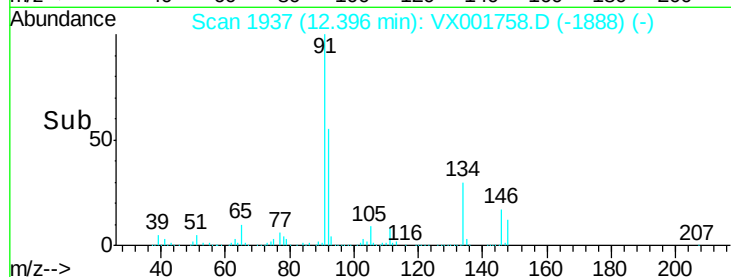
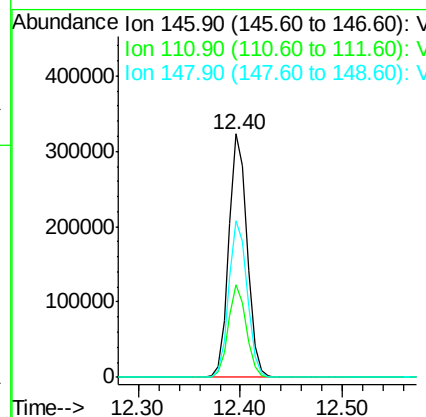
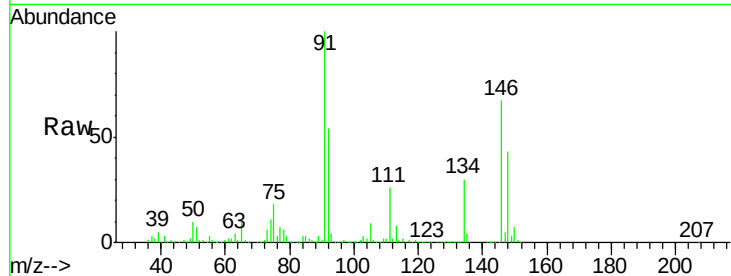
#91
 1,2-Dichlorobenzene
 Concen: 51.63 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	56.0
148	64.6	32.4	97.0

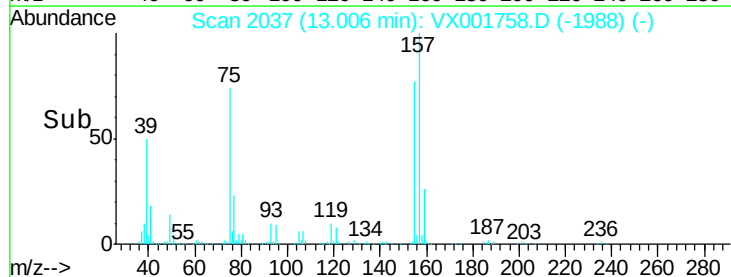
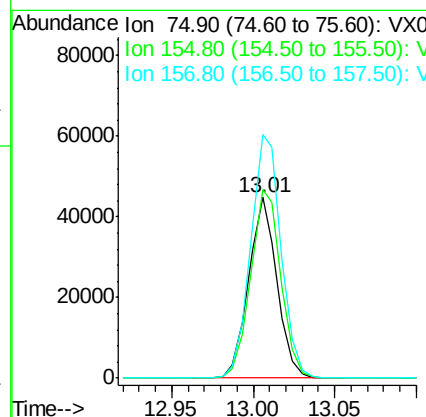
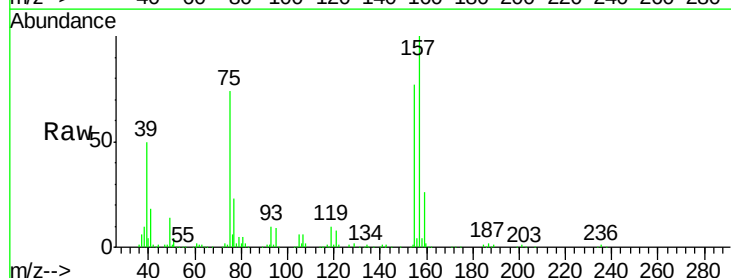
Manual Integrations
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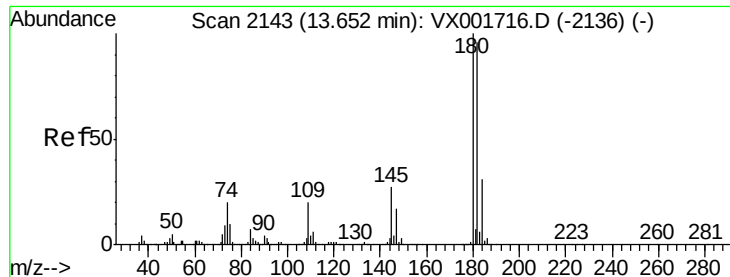
MMDadoda
 5/16/2018 11:54:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.94 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.5	53.9	161.8
157	144.3	71.0	213.2





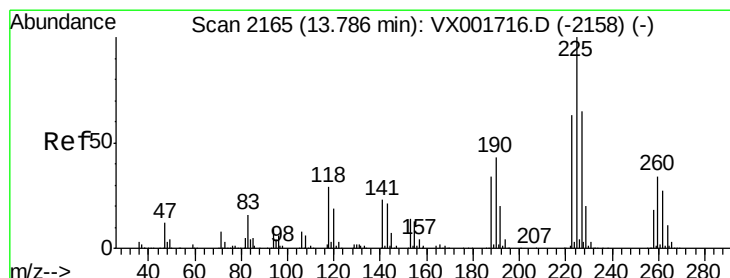
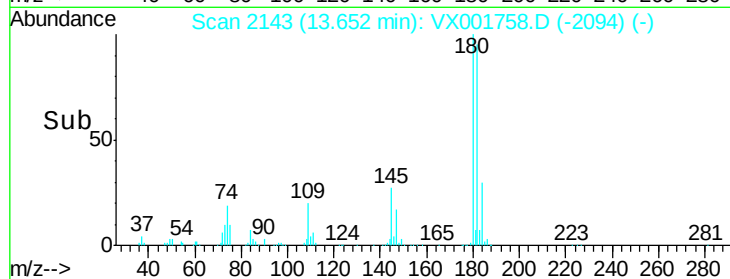
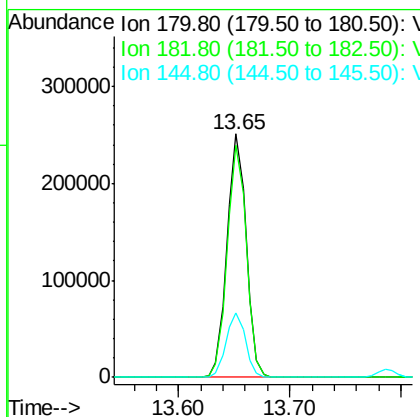
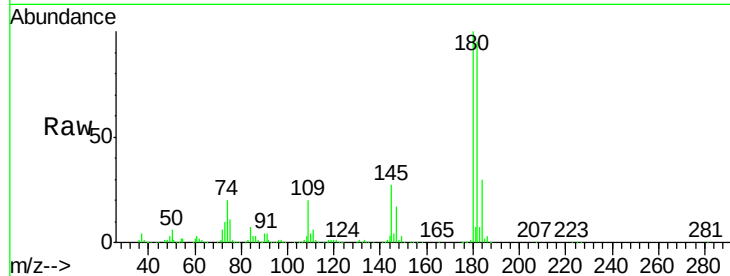
#93
 1,2,4-Trichlorobenzene
 Concen: 48.15 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	298536		
182	95.5	47.6	142.9	
145	26.7	13.4	40.1	

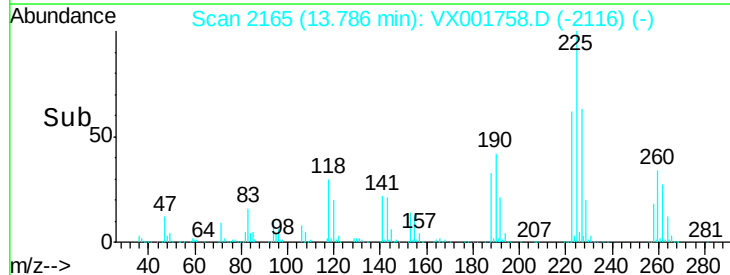
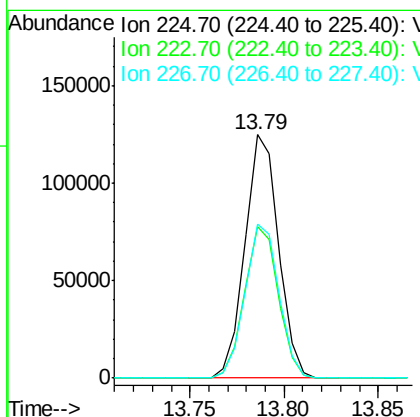
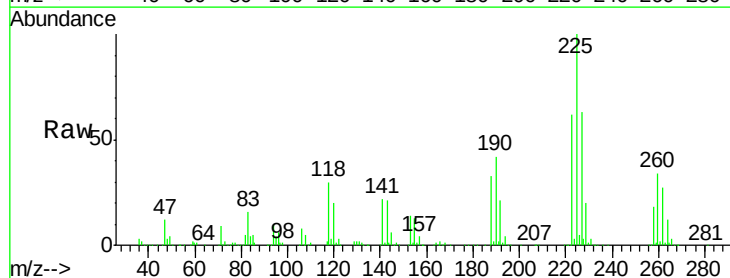
Manual Integrations
 APPROVED

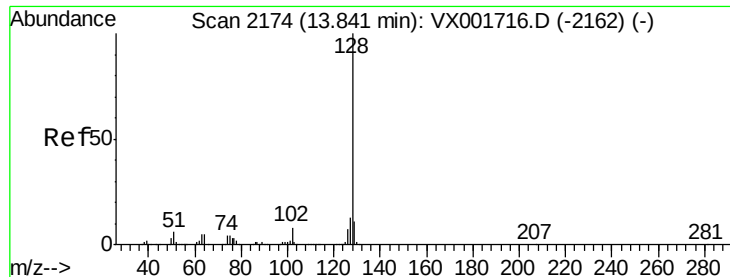
MMDadoda
 5/16/2018 11:54:16 AM



#94
 Hexachlorobutadiene
 Concen: 46.28 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001758.D
 Acq: 15 May 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	154053		
223	62.8	31.1	93.5	
227	64.0	31.9	95.5	





#95

Naphthalene

Concen: 55.51 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Instrument :

MSVOA_X

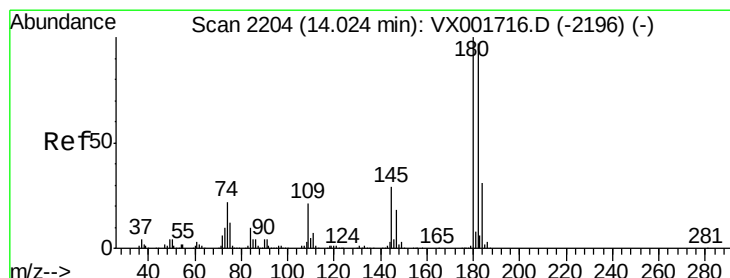
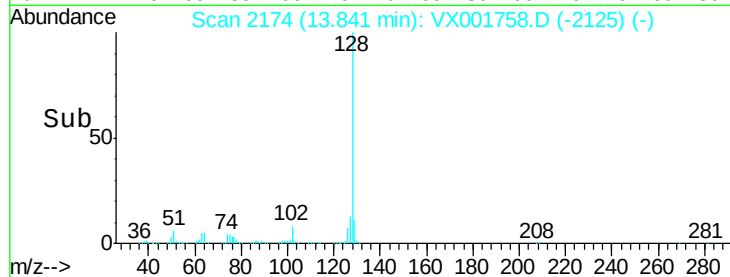
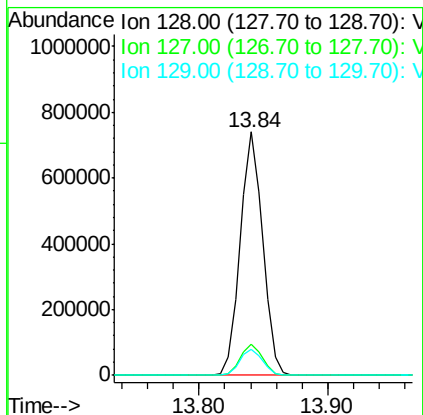
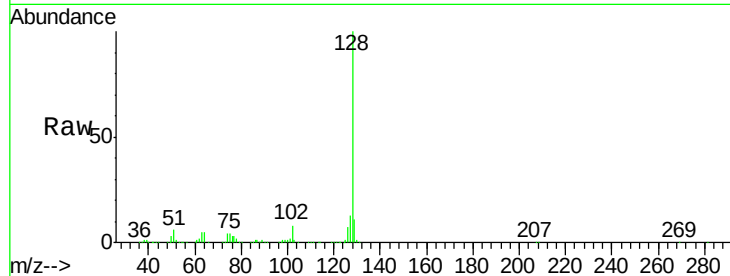
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	894651
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	11.1	8.9	13.3

Manual Integrations
APPROVED

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



#96

1,2,3-Trichlorobenzene

Concen: 50.57 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001758.D

Acq: 15 May 2018 20:58

Tgt Ion:	180	Resp:	315747
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.9	143.7
145	28.0	14.2	42.8

