

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062518\
 Data File : VX002863.D
 Acq On : 25 Jun 2018 14:00
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 2:26:27 PM

Quant Time: Jun 25 14:26:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 12:41:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	279086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	384843	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	364828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223132	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	79069	18.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.28%	
35) Dibromofluoromethane	5.51	113	61693	20.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.18%	
50) Toluene-d8	8.72	98	224051	19.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.42%	
62) 4-Bromofluorobenzene	11.14	95	84238	19.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	50013	16.88	ug/l	100
3) Chloromethane	1.32	50	54759	15.54	ug/l	99
4) Vinyl Chloride	1.40	62	60962	16.67	ug/l	98
5) Bromomethane	1.64	94	40638	18.42	ug/l	98
6) Chloroethane	1.73	64	38866	16.12	ug/l	99
7) Trichlorofluoromethane	1.93	101	107532	18.10	ug/l	97
8) Diethyl Ether	2.19	74	37407	16.55	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	60048	18.08	ug/l	99
10) Methyl Iodide	2.51	142	49090	12.00	ug/l	99
11) Tert butyl alcohol	3.07	59	80638	91.97	ug/l	98
12) 1,1-Dichloroethene	2.37	96	53960	17.30	ug/l	100
13) Acrolein	2.29	56	43720	98.34	ug/l	98
14) Allyl chloride	2.73	41	106864	17.26	ug/l	100
15) Acrylonitrile	3.15	53	165580	86.55	ug/l	99
16) Acetone	2.45	43	164317	87.82	ug/l	99
17) Carbon Disulfide	2.57	76	137881	18.64	ug/l	99
18) Methyl Acetate	2.78	43	96478	19.35	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	197916	16.92	ug/l	98
20) Methylene Chloride	2.86	84	60138	15.68	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	58119	17.18	ug/l	98
22) Diisopropyl ether	3.88	45	205152	18.31	ug/l	98
23) Vinyl Acetate	3.83	43	857435	91.45	ug/l	99
24) 1,1-Dichloroethane	3.70	63	111095	18.27	ug/l	100
25) 2-Butanone	4.71	43	241671	98.35	ug/l	99
26) 2,2-Dichloropropane	4.59	77	89342	20.45	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	65775	19.11	ug/l	91
28) Bromochloromethane	5.02	49	56981	20.01	ug/l	94
29) Tetrahydrofuran	5.17	42	150678	93.56	ug/l	97
30) Chloroform	5.22	83	116230	19.82	ug/l	97
31) Cyclohexane	5.58	56	94697	18.92	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	100434	20.48	ug/l	99
36) 1,1-Dichloropropene	5.80	75	81925	20.04	ug/l	99
37) Ethyl Acetate	4.87	43	91859	19.86	ug/l	99
38) Carbon Tetrachloride	5.79	117	90891	22.33	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 12:41:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	97623	20.43	ug/l	98
40) Benzene	6.15	78	242909	19.82	ug/l	99
41) Methacrylonitrile	5.07	41	51657	19.78	ug/l	97
42) 1,2-Dichloroethane	6.20	62	96557	20.35	ug/l	99
43) Isopropyl Acetate	6.47	43	148642	19.39	ug/l	99
44) Trichloroethene	7.22	130	72653	20.54	ug/l	100
45) 1,2-Dichloropropane	7.52	63	63587	19.71	ug/l	97
46) Dibromomethane	7.66	93	43800	20.30	ug/l	96
47) Bromodichloromethane	7.90	83	81120	21.32	ug/l	98
48) Methyl methacrylate	7.78	41	78496	20.04	ug/l	98
49) 1,4-Dioxane	7.76	88	30652	413.24	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	480624	97.66	ug/l	99
52) Toluene	8.79	92	157109	20.10	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	93732	20.93	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	87320	21.05	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	63800	20.20	ug/l	97
56) Ethyl methacrylate	9.18	69	93578	19.25	ug/l	97
57) 1,3-Dichloropropane	9.38	76	104986	19.65	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	231202	98.33	ug/l	98
59) 2-Hexanone	9.50	43	370273	99.85	ug/l	98
60) Dibromochloromethane	9.59	129	66527	21.82	ug/l	99
61) 1,2-Dibromoethane	9.68	107	67464	20.62	ug/l	100
64) Tetrachloroethene	9.34	164	80266	19.82	ug/l	99
65) Chlorobenzene	10.14	112	184871	20.63	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	67279	22.03	ug/l	99
67) Ethyl Benzene	10.26	91	306886	20.31	ug/l	99
68) m/p-Xylenes	10.36	106	237486	40.74	ug/l	100
69) o-Xylene	10.70	106	115260	20.12	ug/l	98
70) Styrene	10.71	104	185857	19.73	ug/l	99
71) Bromoform	10.86	173	49915	21.74	ug/l #	99
73) Isopropylbenzene	11.02	105	314241	21.06	ug/l	100
74) N-amyl acetate	6.47	43	148642	20.05	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	94501	21.44	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	82803m	19.67	ug/l	
77) Bromobenzene	11.26	156	85649	20.60	ug/l	98
78) n-propylbenzene	11.37	91	358064	20.92	ug/l	99
79) 2-Chlorotoluene	11.43	91	213282	20.87	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	263677	20.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	24014	21.58	ug/l	94
82) 4-Chlorotoluene	11.51	91	251972	20.90	ug/l	99
83) tert-Butylbenzene	11.77	119	258755	21.30	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	273602	21.26	ug/l	99
85) sec-Butylbenzene	11.95	105	315879	20.91	ug/l	100
86) p-Isopropyltoluene	12.07	119	285753	20.91	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	158566	20.80	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	161067	20.76	ug/l	99
89) n-Butylbenzene	12.39	91	240218	19.92	ug/l	99
90) Hexachloroethane	12.60	117	39900	21.15	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	158649	20.67	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20019	21.69	ug/l	98

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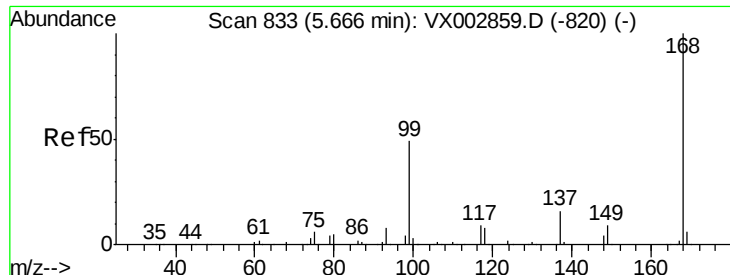
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	115617	20.76	ug/l	99
94) Hexachlorobutadiene	13.79	225	58811	20.05	ug/l	99
95) Naphthalene	13.84	128	319350	21.31	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	117563	21.02	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 279086

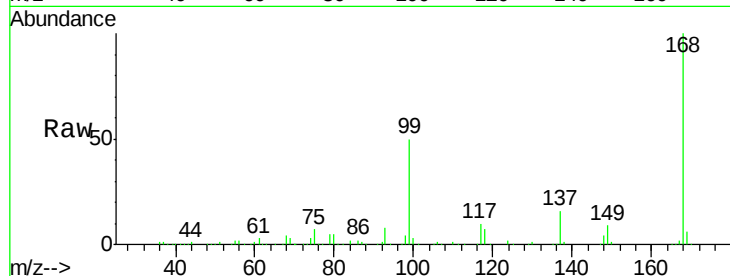
Ion Ratio Lower Upper

168 100

99 49.5 39.3 58.9

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

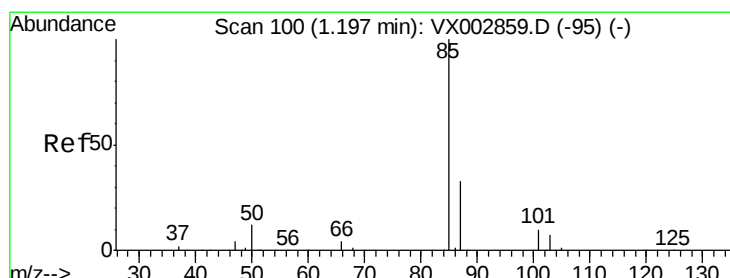
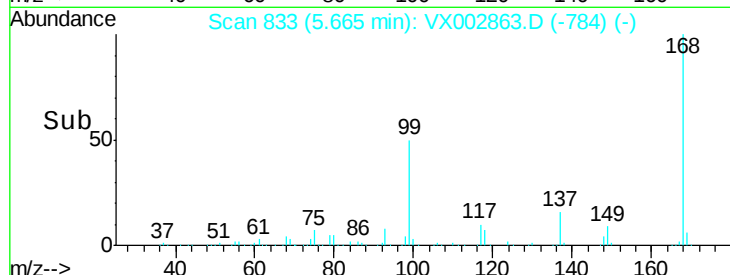
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 16.88 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002863.D

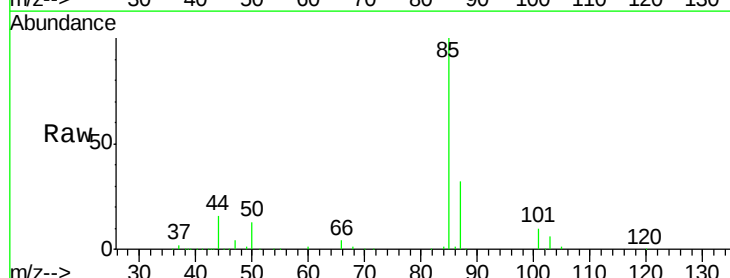
Acq: 25 Jun 2018 14:00

Tgt Ion: 85 Resp: 50013

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

50000

40000

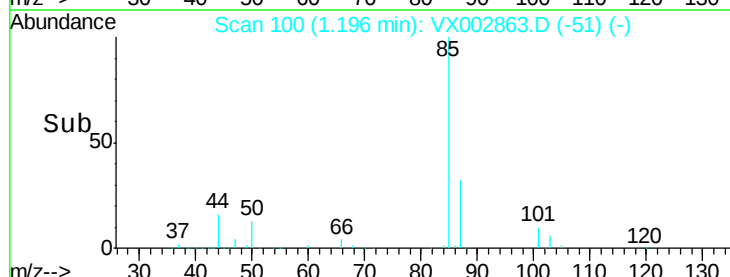
30000

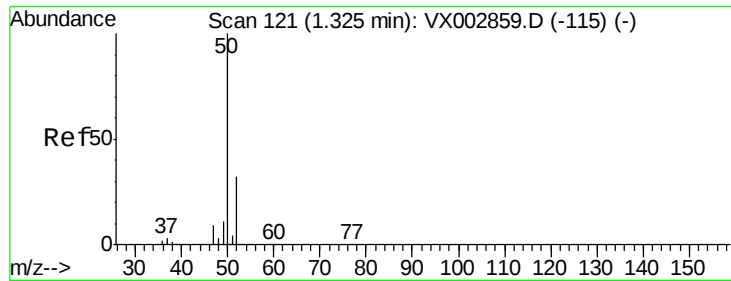
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 15.54 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 54759

Ion Ratio Lower Upper

50 100

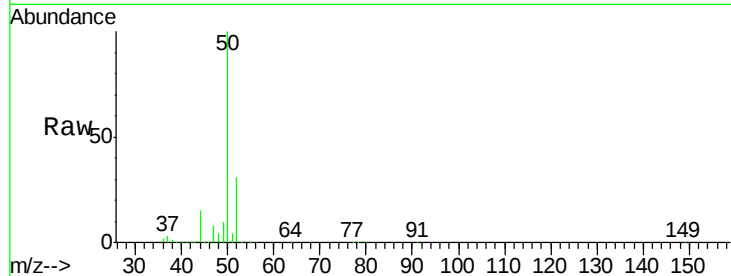
52 31.4 25.7 38.5

Manual Integrations

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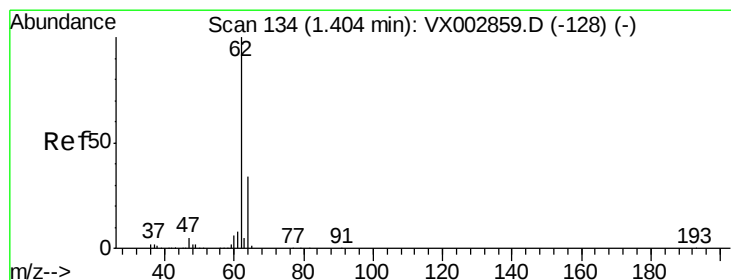
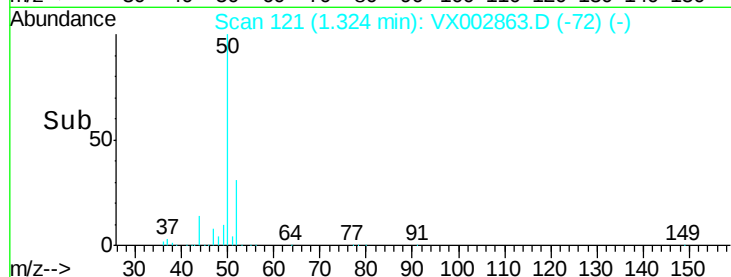
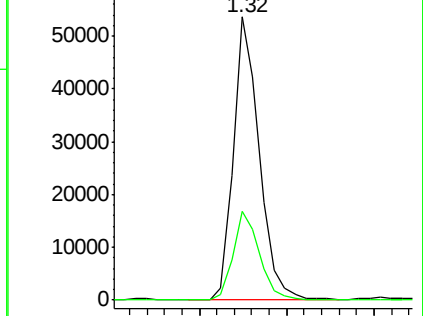
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.67 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002863.D

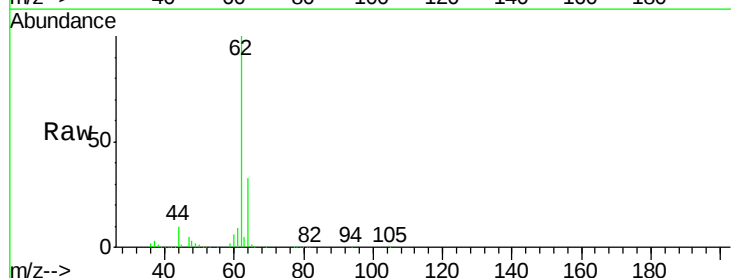
Acq: 25 Jun 2018 14:00

Tgt Ion: 62 Resp: 60962

Ion Ratio Lower Upper

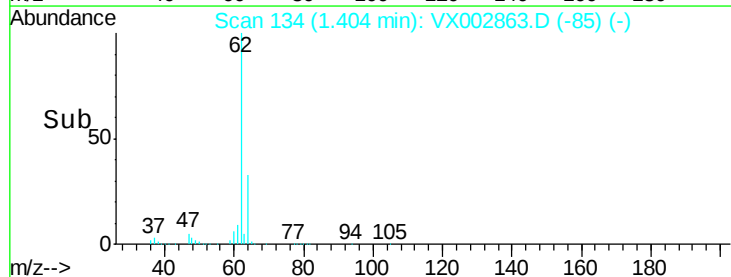
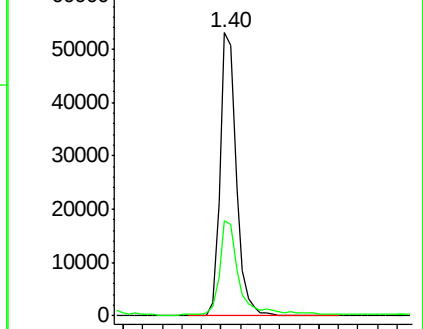
62 100

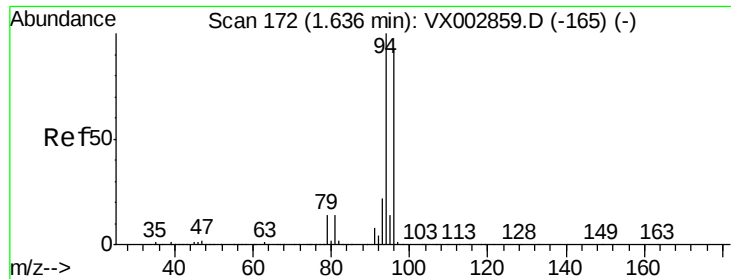
64 33.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.42 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 40638

Ion Ratio Lower Upper

94 100

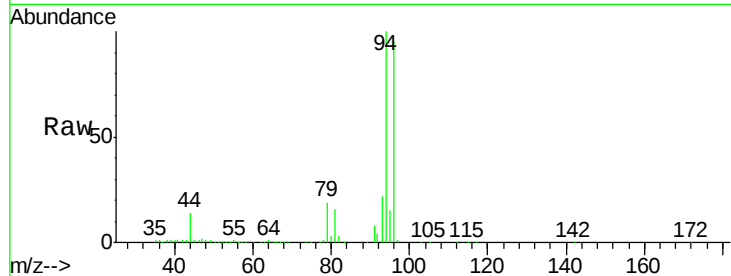
96 95.6 74.9 112.3

Manual Integrations

APPROVED

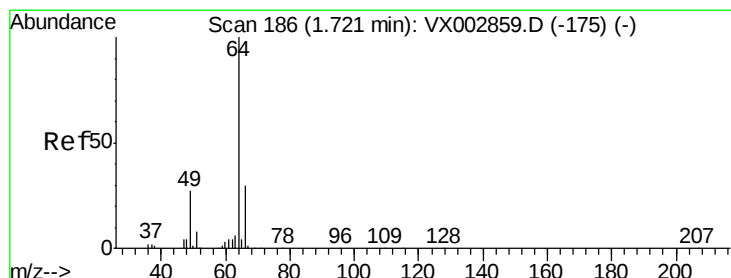
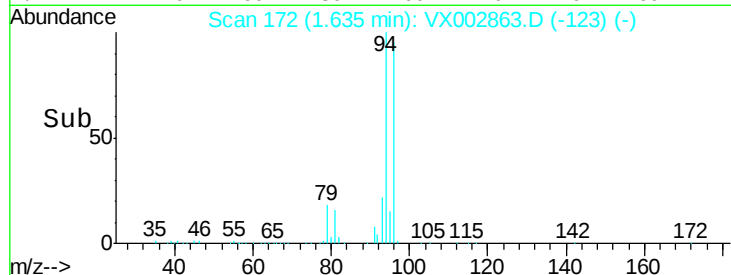
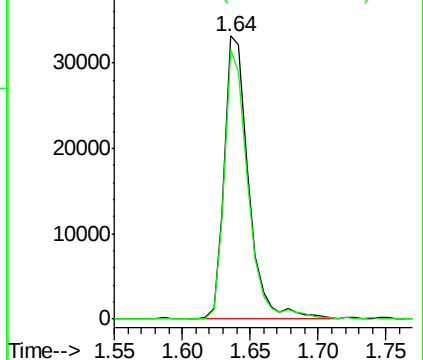
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 16.12 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002863.D

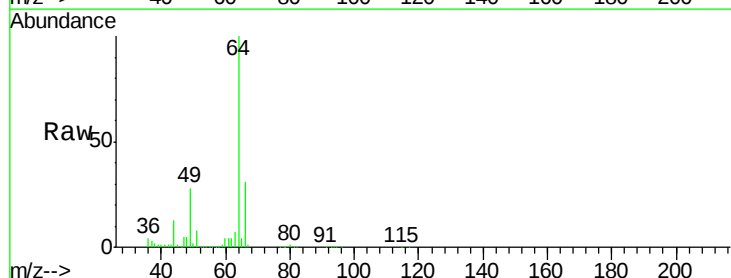
Acq: 25 Jun 2018 14:00

Tgt Ion: 64 Resp: 38866

Ion Ratio Lower Upper

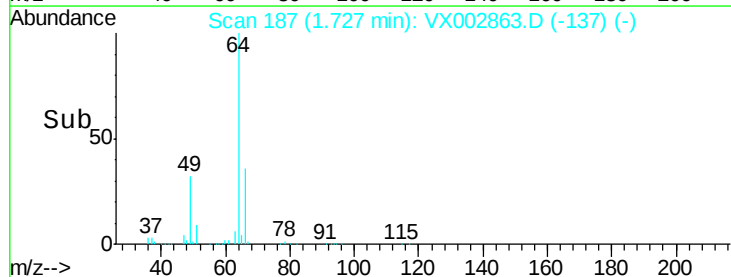
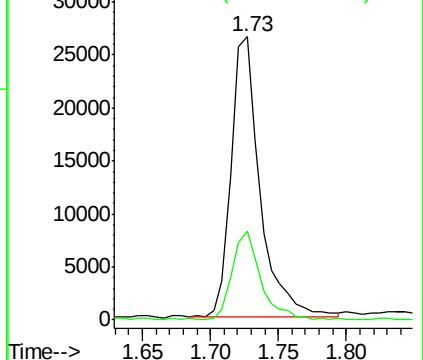
64 100

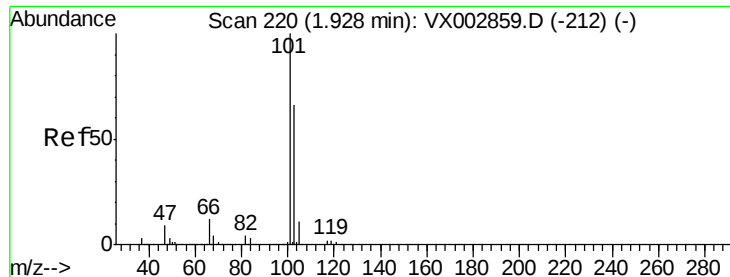
66 31.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

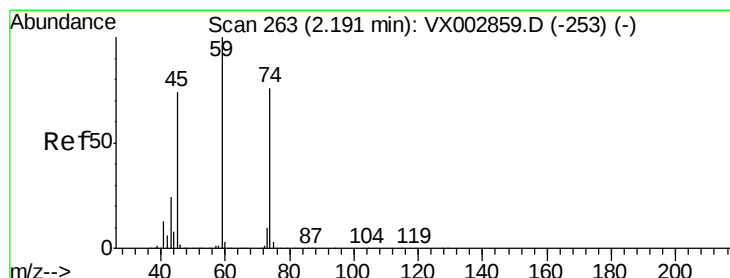
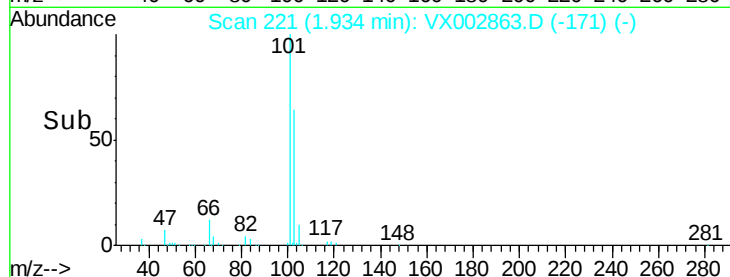
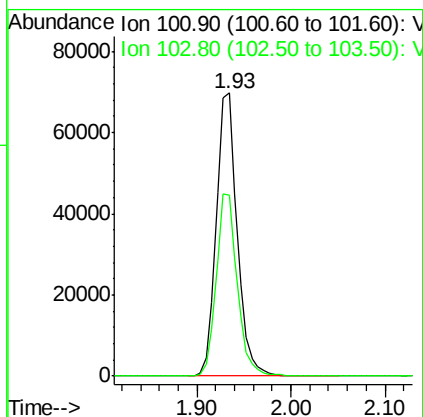
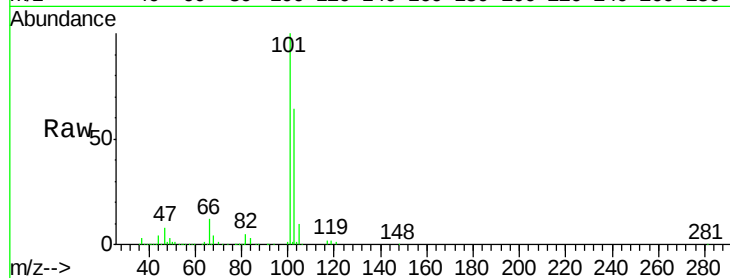
Trichlorofluoromethane
Concen: 18.10 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Instrument :
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ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	107532		
103	63.9	52.8	79.2	

Manual Integrations
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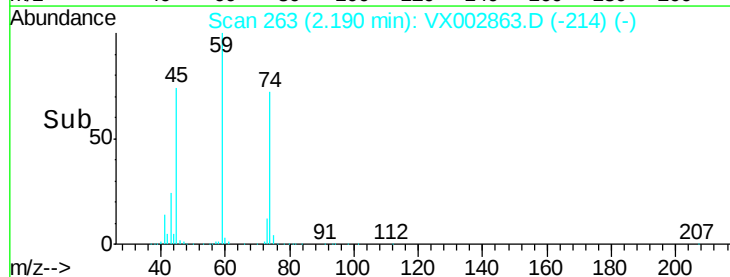
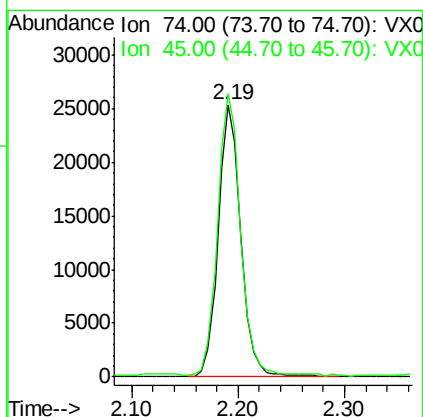
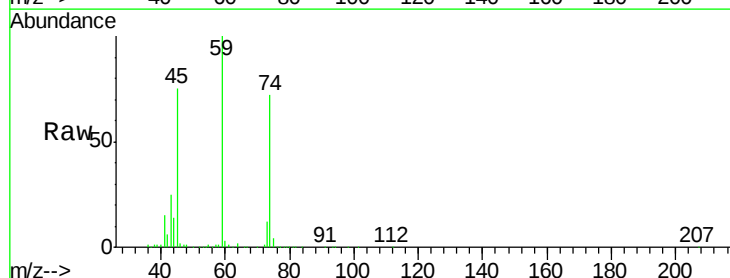
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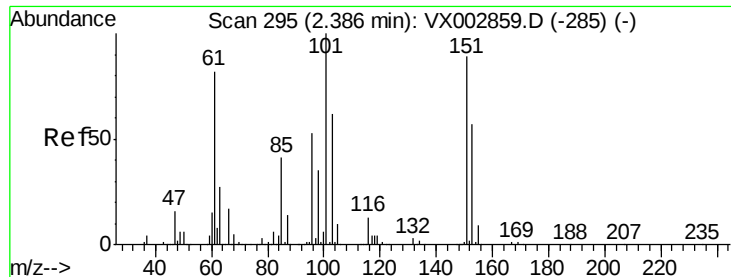


#8

Diethyl Ether
Concen: 16.55 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	37407		
45	103.5	53.1	159.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.08 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

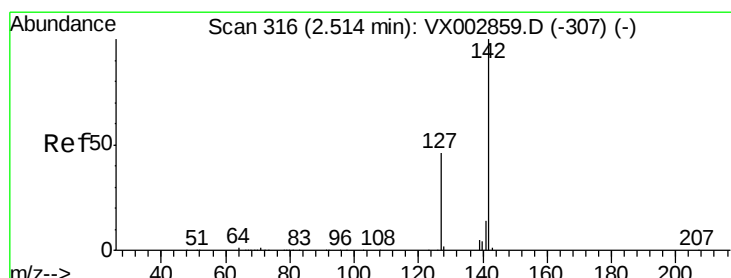
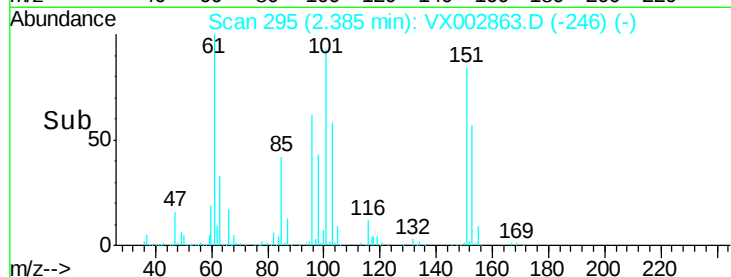
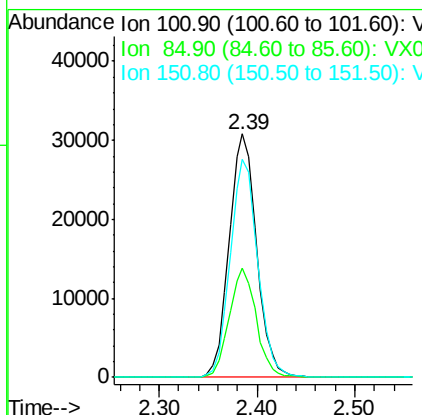
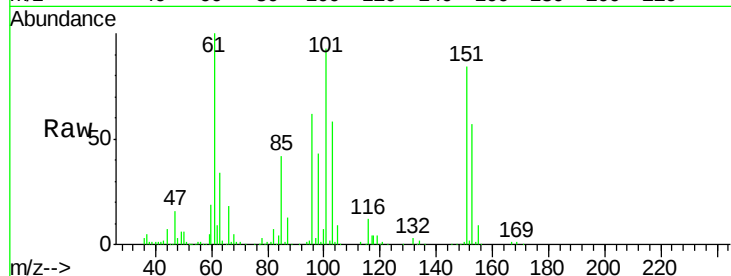
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	60048
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.0	54.0
151	89.5	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 12.00 ug/l

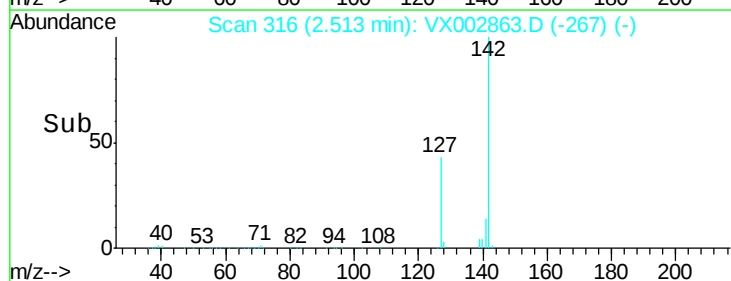
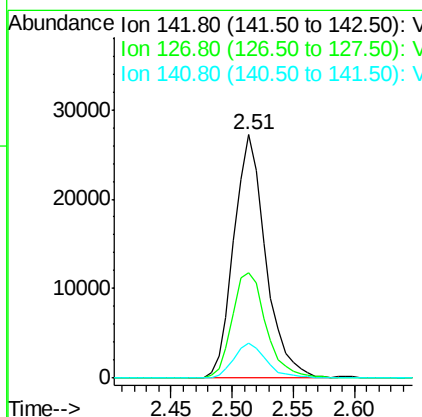
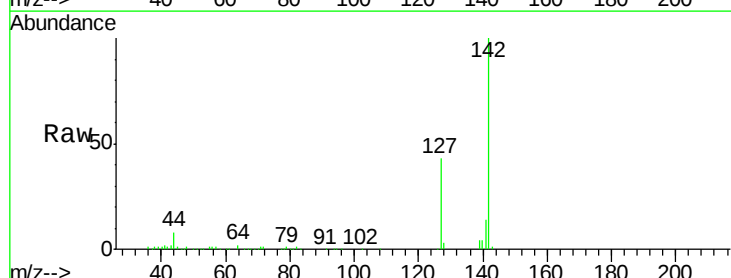
RT: 2.51 min Scan# 316

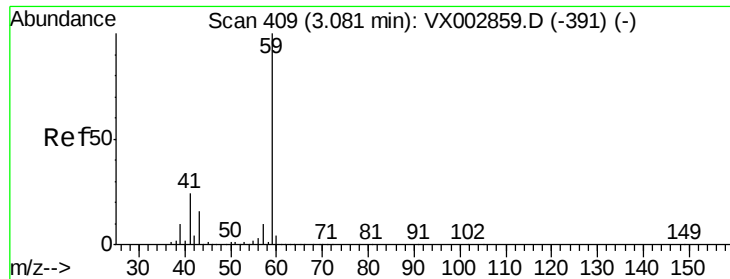
Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Tgt Ion:	142	Resp:	49090
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.6	55.0
141	14.6	11.3	16.9





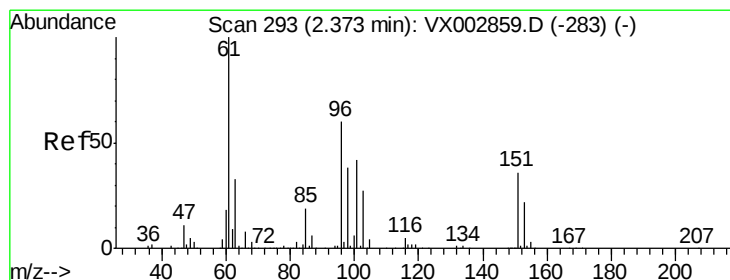
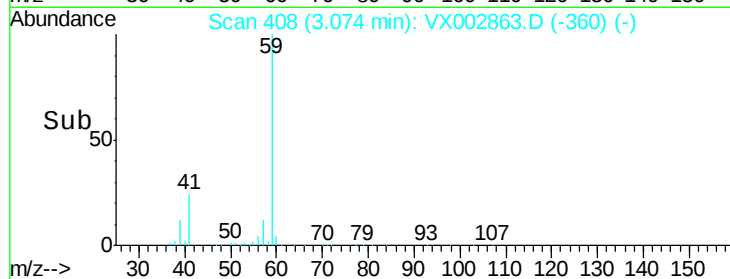
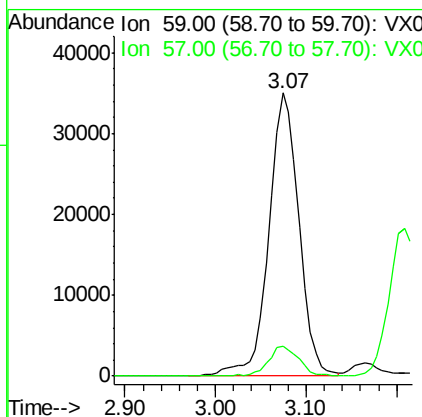
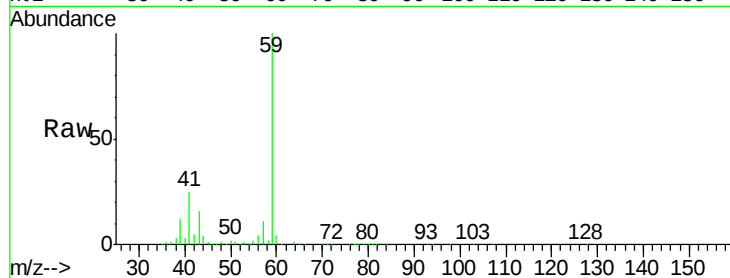
#11
Tert butyl alcohol
Concen: 91.97 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.2	12.2

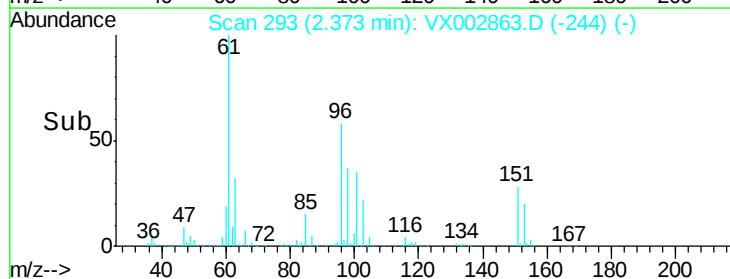
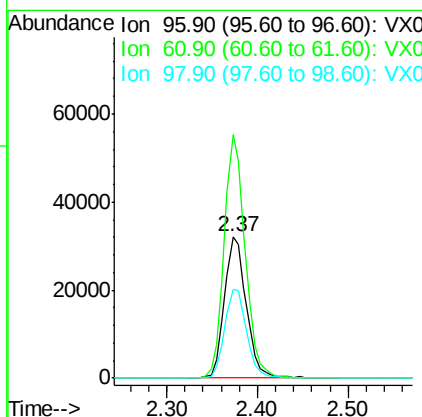
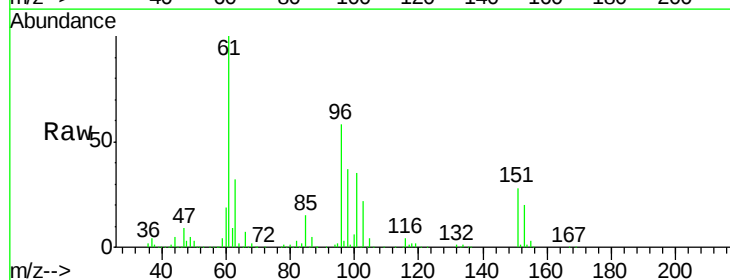
Manual Integrations
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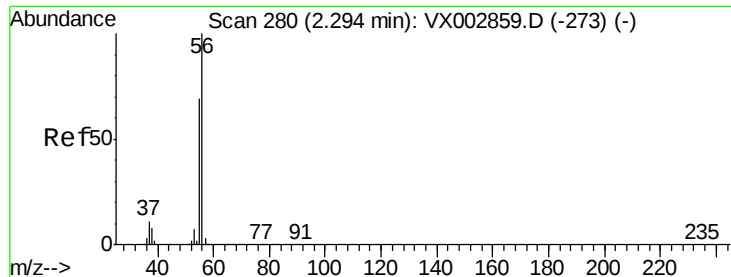
MMDadoda
6/28/2018 2:26:27 PM



#12
1,1-Dichloroethene
Concen: 17.30 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.4	137.9	206.9
98	63.2	51.6	77.4





#13

Acrolein

Concen: 98.34 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 43720

Ion Ratio Lower Upper

56 100

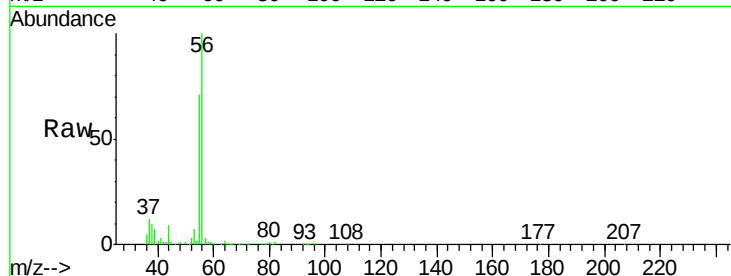
55 69.4 57.0 85.4

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

30000

25000

20000

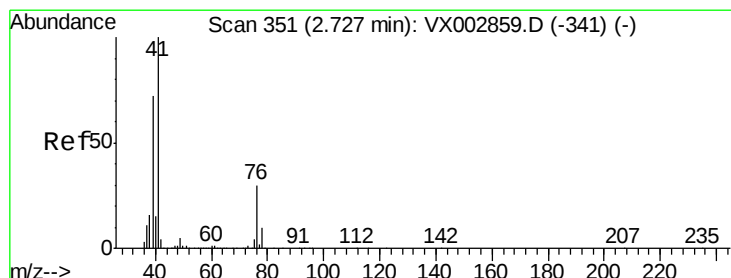
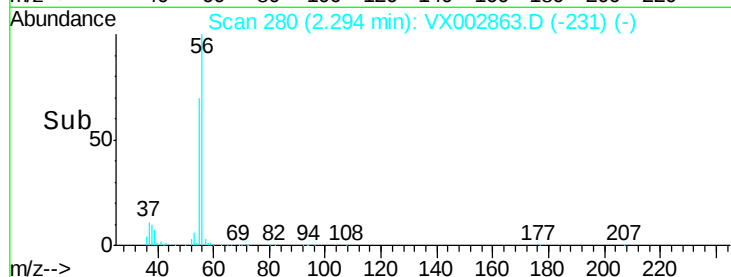
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 17.26 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

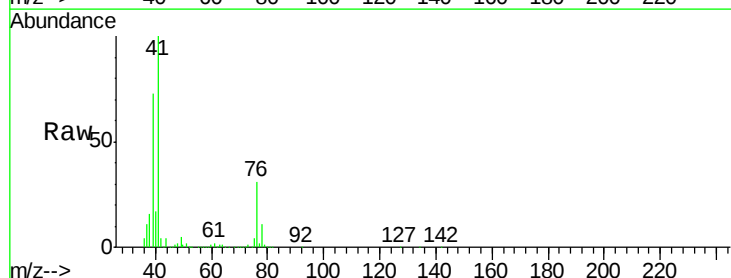
Tgt Ion: 41 Resp: 106864

Ion Ratio Lower Upper

41 100

39 70.8 56.8 85.2

76 30.1 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

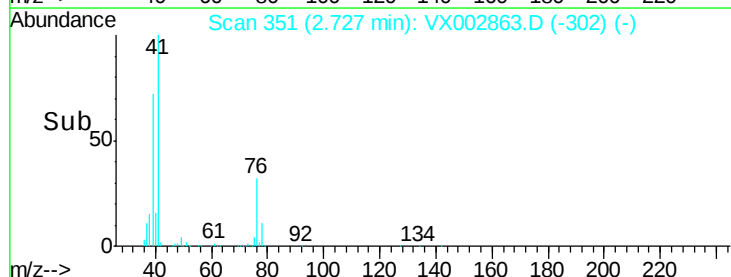
60000

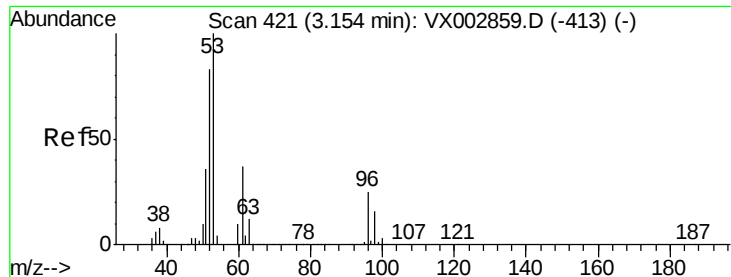
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 86.55 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

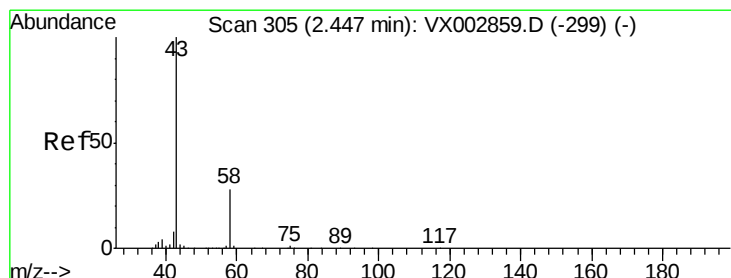
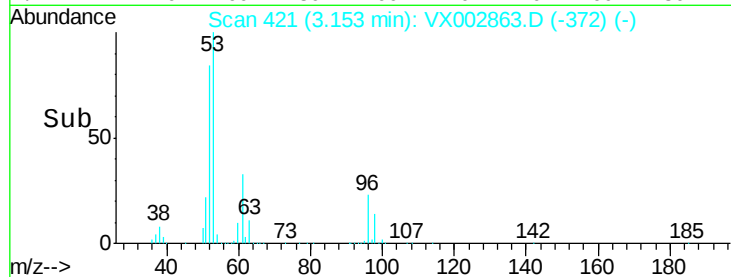
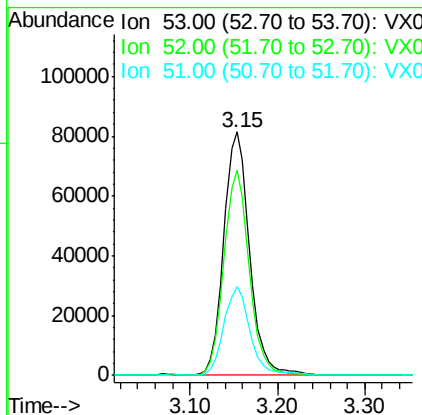
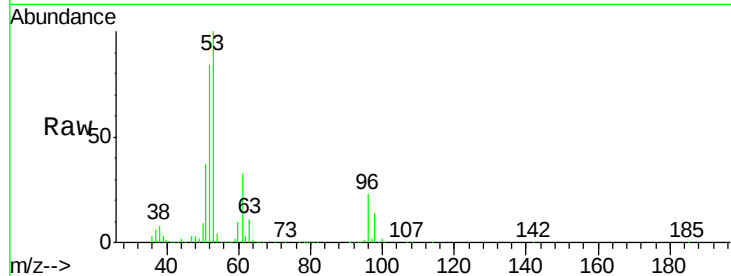
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	165580
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.7	100.1
51	37.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 87.82 ug/l

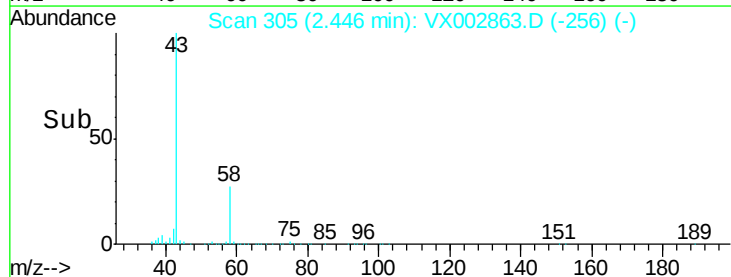
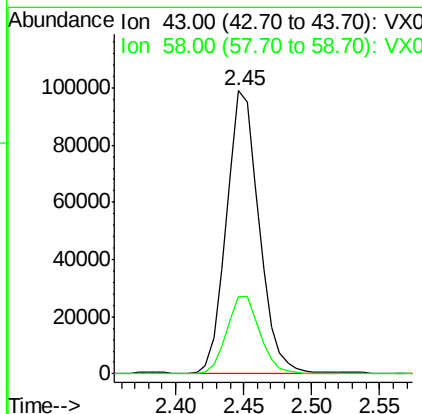
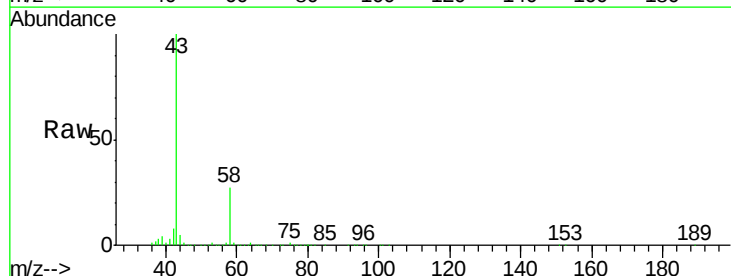
RT: 2.45 min Scan# 305

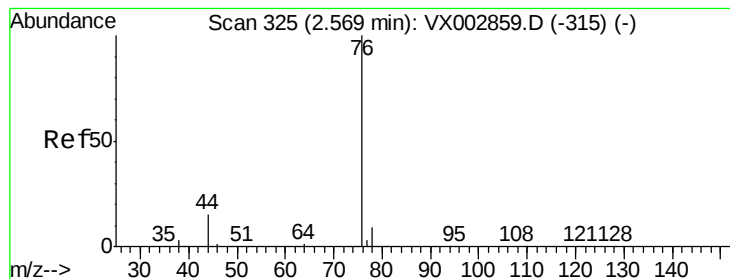
Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Tgt Ion:	43	Resp:	164317
Ion	Ratio	Lower	Upper
43	100		
58	27.3	22.1	33.1





#17

Carbon Disulfide

Concen: 18.64 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 137881

Ion Ratio Lower Upper

76 100

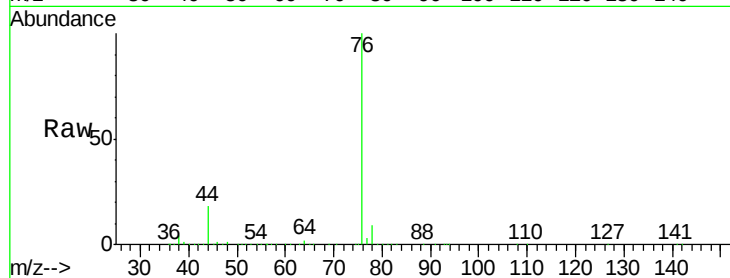
78 8.9 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

80000

60000

40000

20000

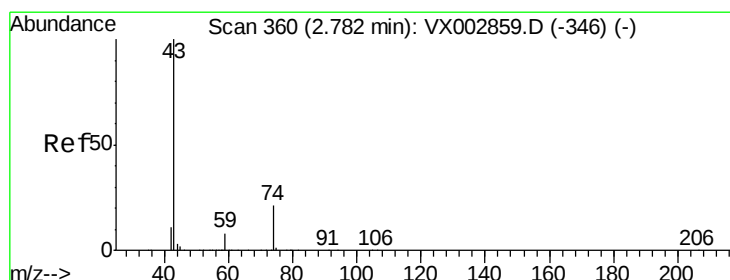
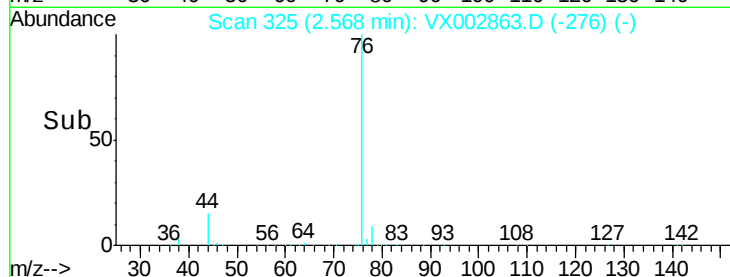
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 19.35 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002863.D

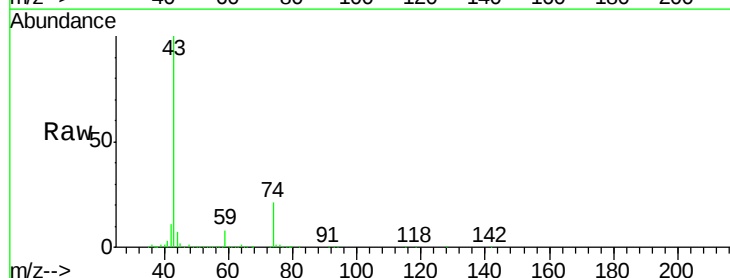
Acq: 25 Jun 2018 14:00

Tgt Ion: 43 Resp: 96478

Ion Ratio Lower Upper

43 100

74 21.5 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

60000

50000

40000

30000

20000

10000

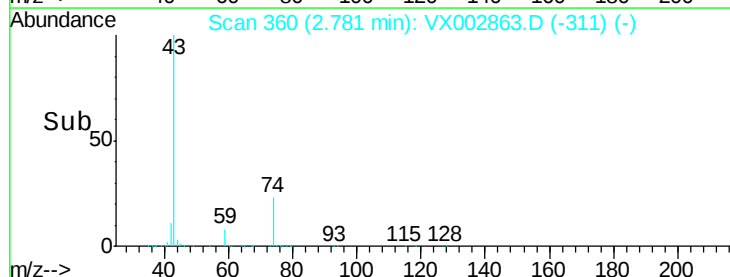
0

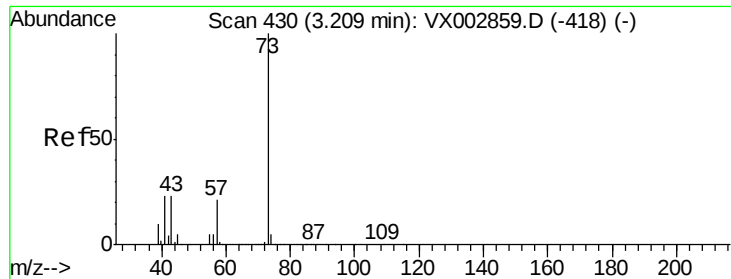
Time-->

2.70

2.80

2.90





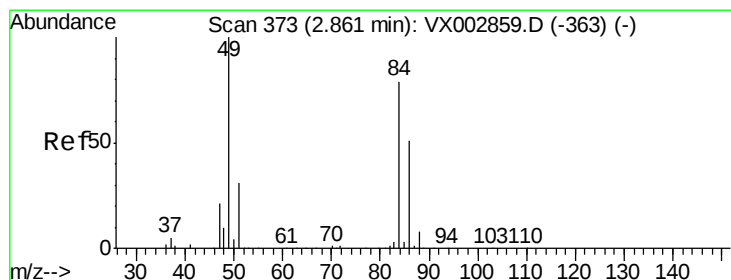
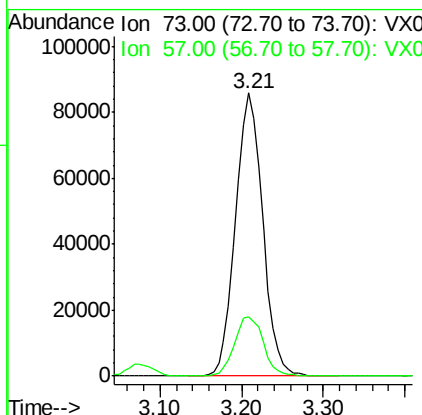
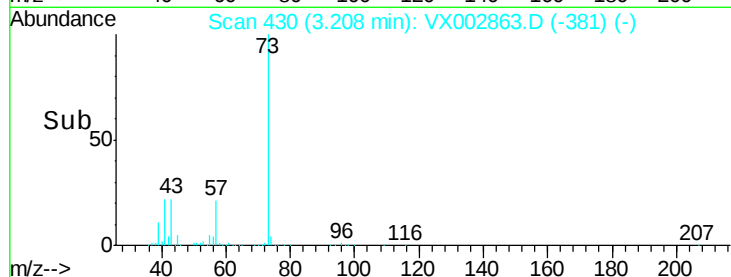
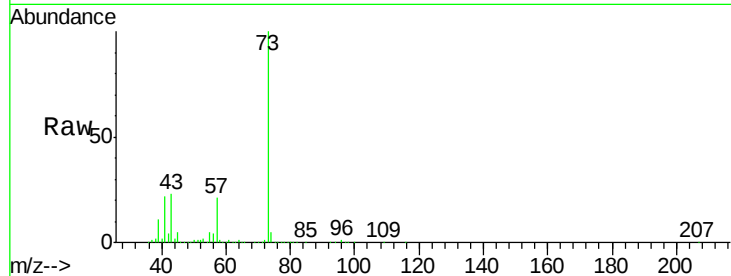
#19
Methvl tert-butvl Ether
Concen: 16.92 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.7	26.5

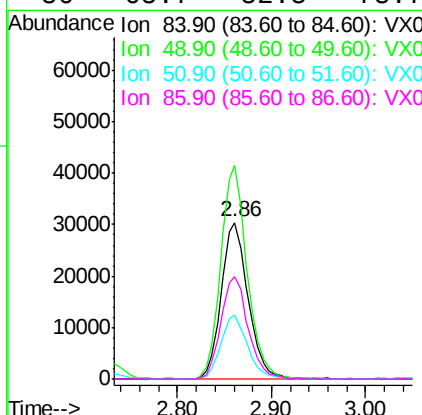
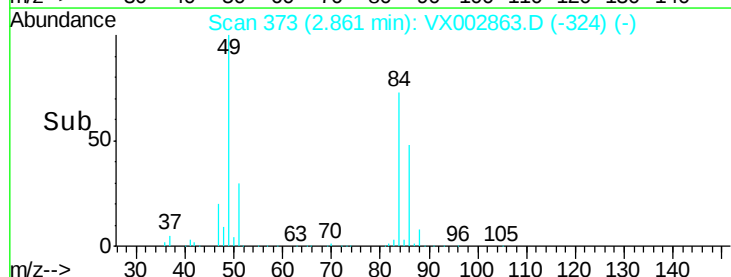
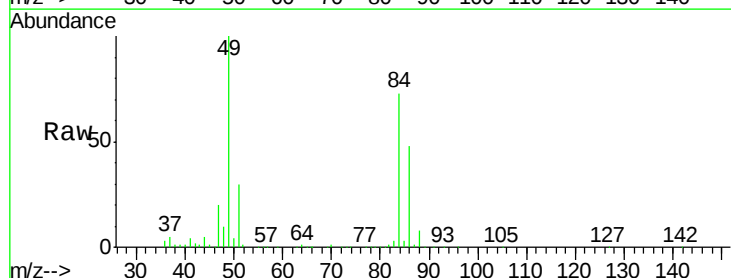
Manual Integrations
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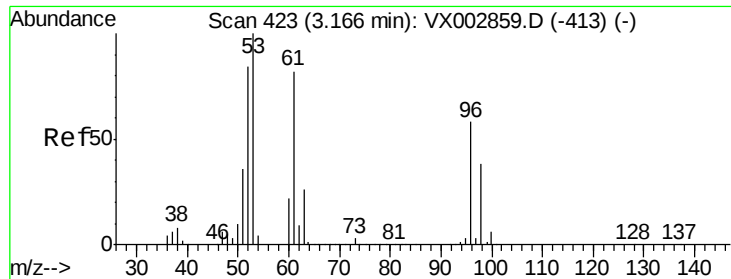
MMDadoda
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#20
Methylene Chloride
Concen: 15.68 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.0	107.8	161.6
51	40.4	32.8	49.2
86	65.7	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 17.18 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

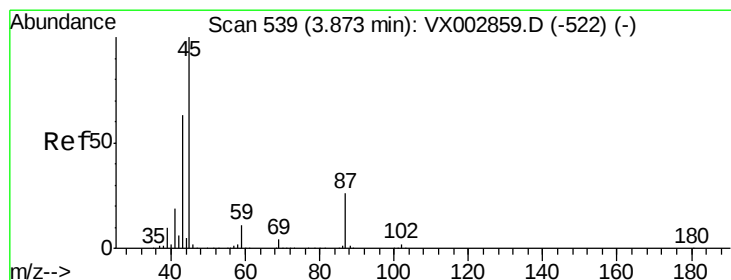
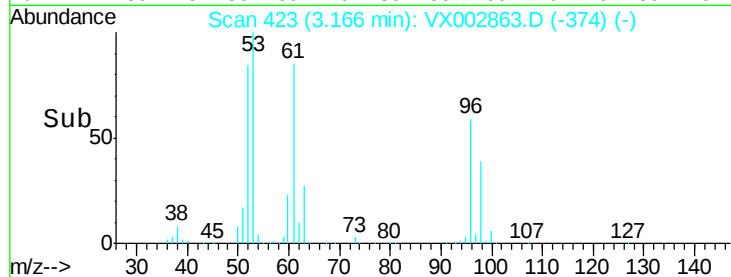
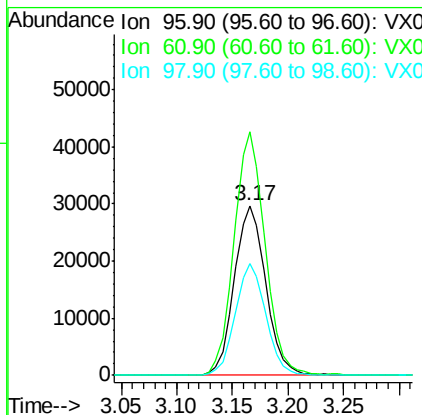
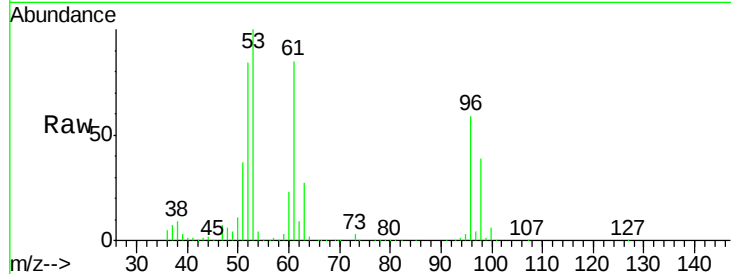
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	58119
Ion Ratio	Lower	Upper	
96	100		
61	143.3	117.0	175.4
98	66.2	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.31 ug/l

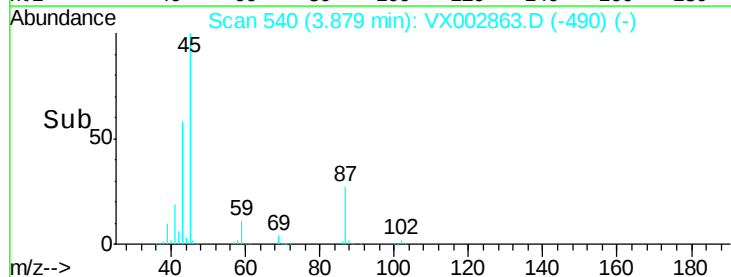
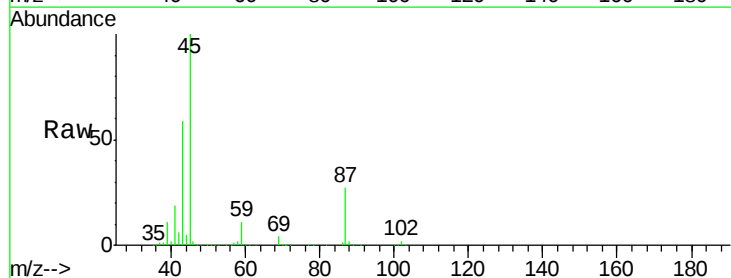
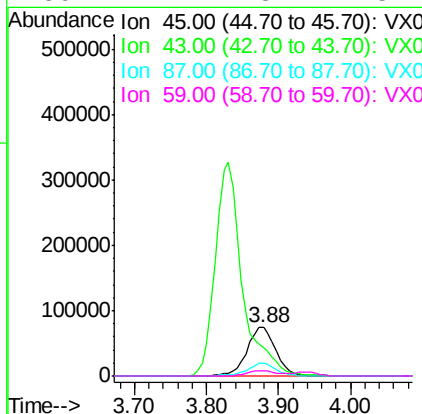
RT: 3.88 min Scan# 540

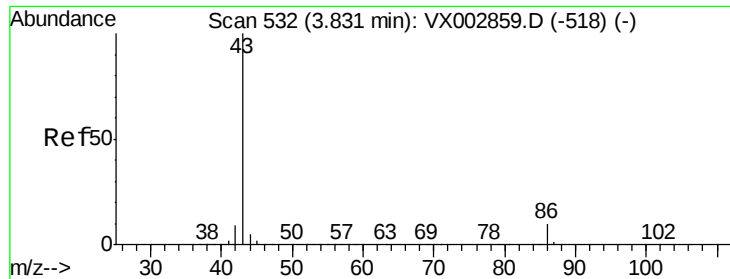
Delta R.T. 0.01 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Tgt Ion:	45	Resp:	205152
Ion Ratio	Lower	Upper	
45	100		
43	58.0	46.8	70.2
87	27.3	20.2	30.4
59	11.4	8.7	13.1





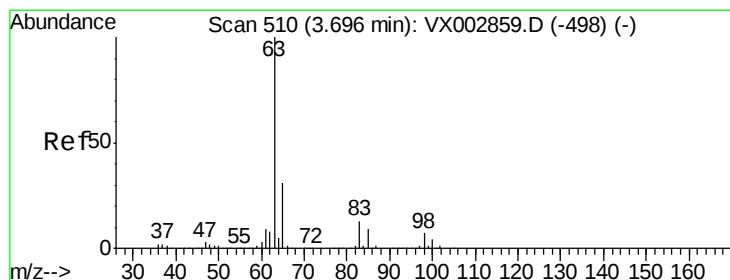
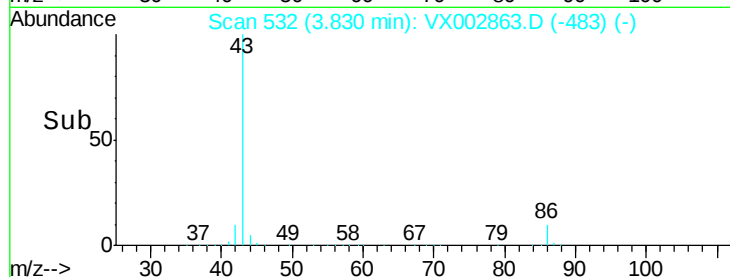
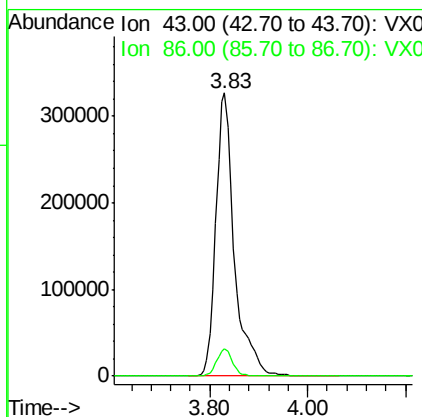
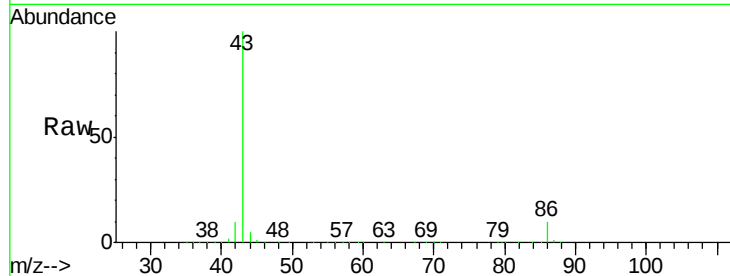
#23
 Vinyl Acetate
 Concen: 91.45 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VX002863.D
 Acq: 25 Jun 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	43	Resp	857435
Ion Ratio	100	Lower	Upper
43	100		
86	9.5	7.4	11.0

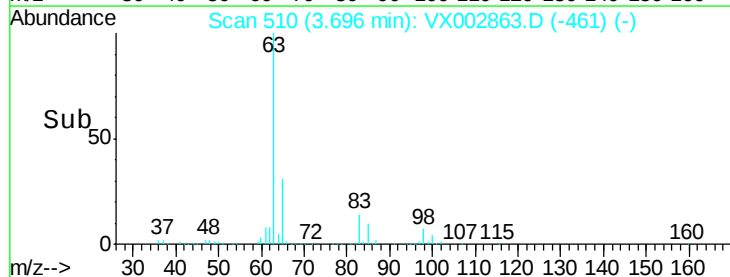
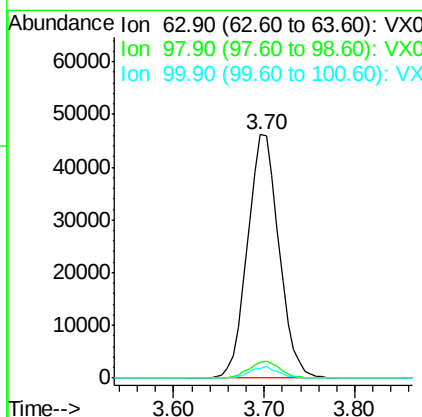
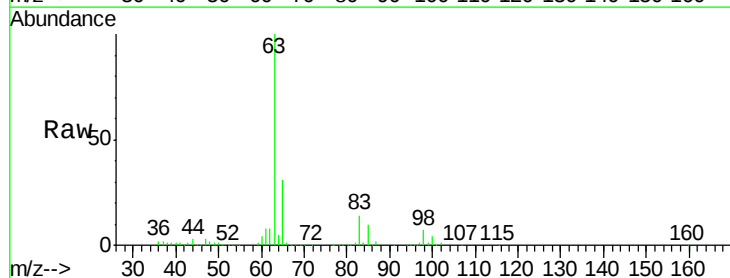
Manual Integrations
 APPROVED

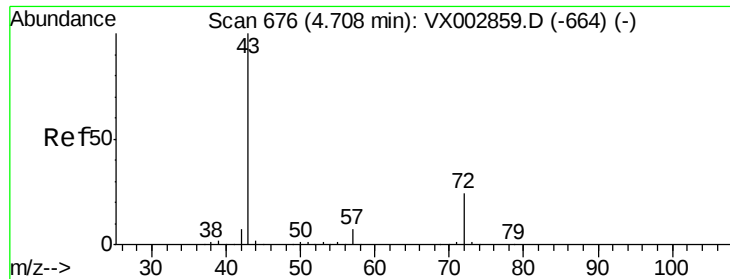
MMDadoda
 6/28/2018 2:26:27 PM



#24
 1,1-Dichloroethane
 Concen: 18.27 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VX002863.D
 Acq: 25 Jun 2018 14:00

Tgt Ion	63	Resp	111095
Ion Ratio	100	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	4.0	2.0	6.0





#25

2-Butanone

Concen: 98.35 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 241671

Ion Ratio Lower Upper

43 100

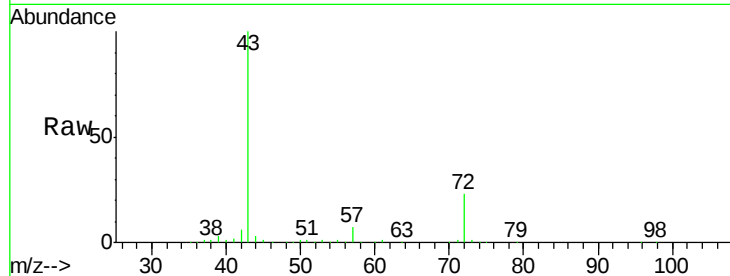
72 22.5 18.5 27.7

Manual Integrations

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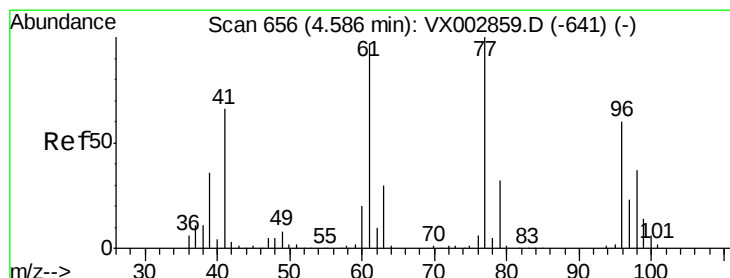
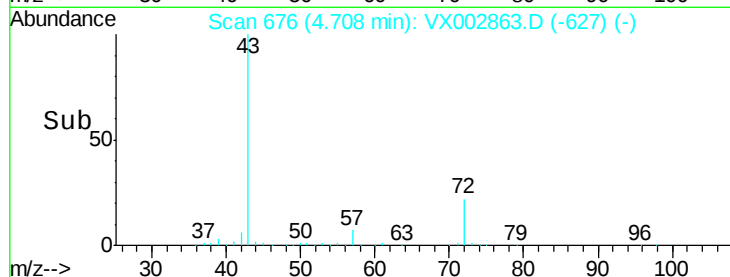
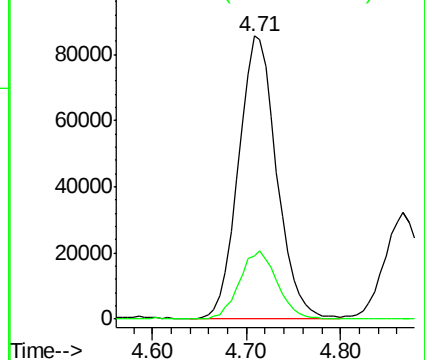
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.45 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002863.D

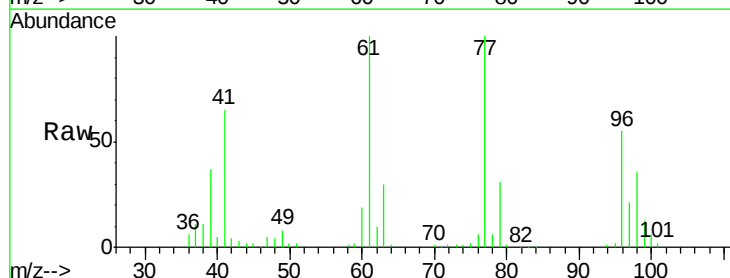
Acq: 25 Jun 2018 14:00

Tgt Ion: 77 Resp: 89342

Ion Ratio Lower Upper

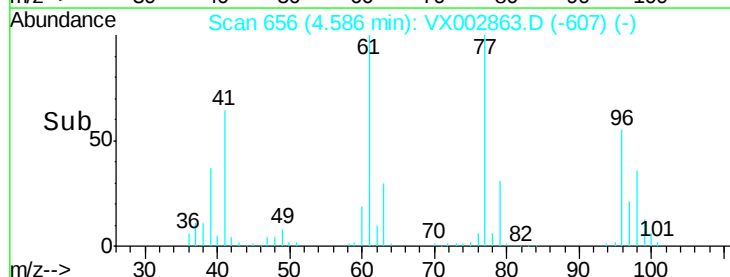
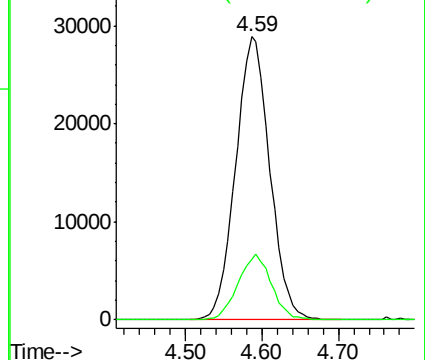
77 100

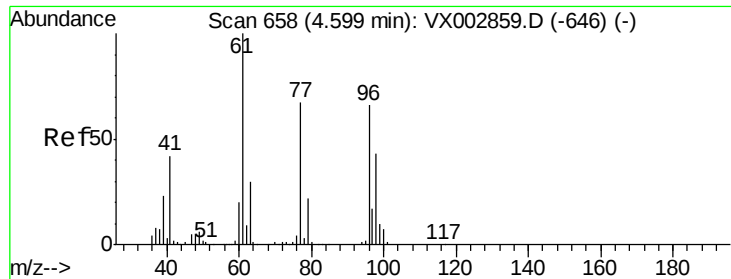
97 22.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

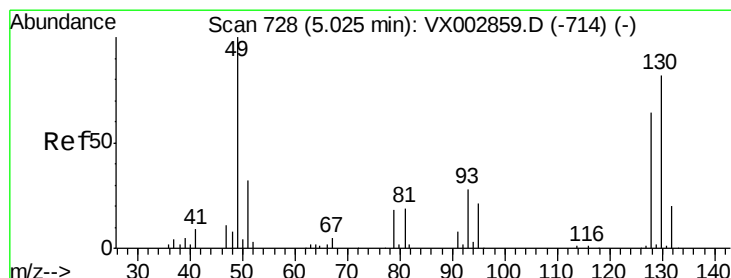
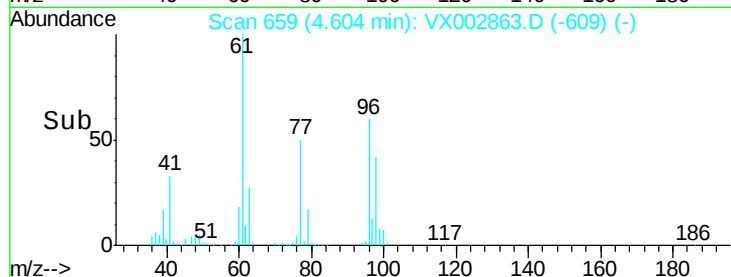
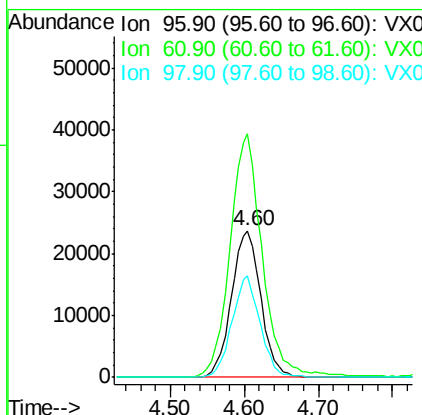
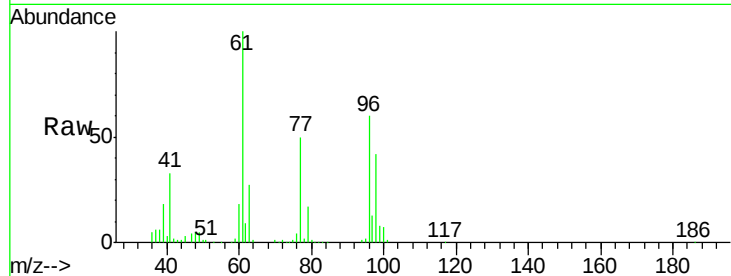
cis-1,2-Dichloroethene
Concen: 19.11 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	182.1	0.0	330.2
98	65.6	0.0	130.2

Manual Integrations
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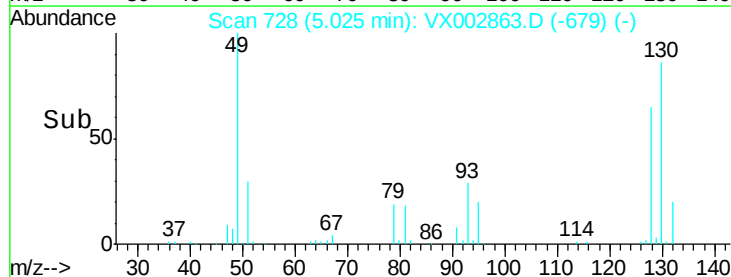
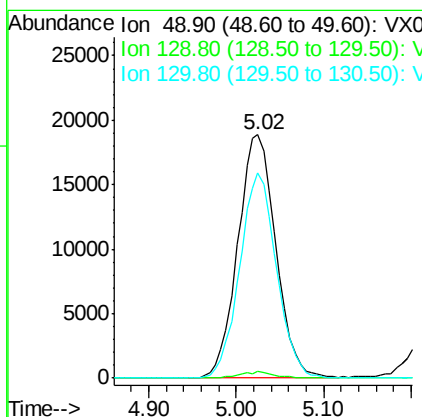
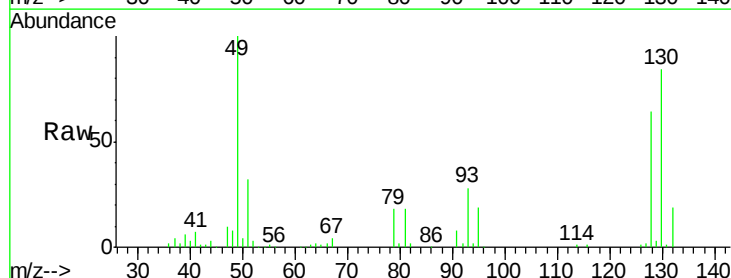
MMDadoda
6/28/2018 2:26:27 PM

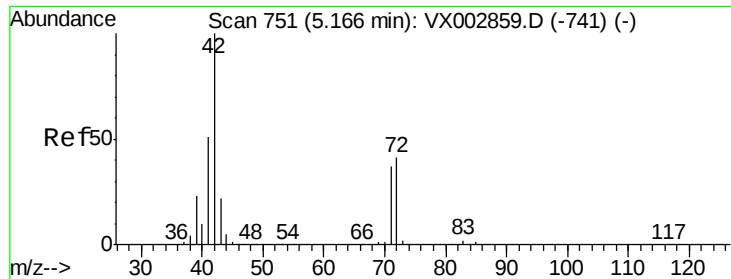


#28

Bromochloromethane
Concen: 20.01 ug/l
RT: 5.02 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	81.5	61.2	91.8





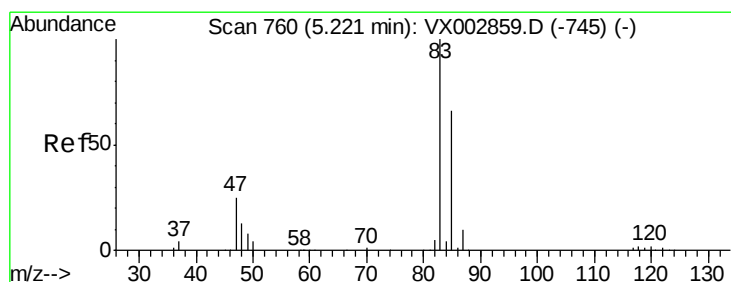
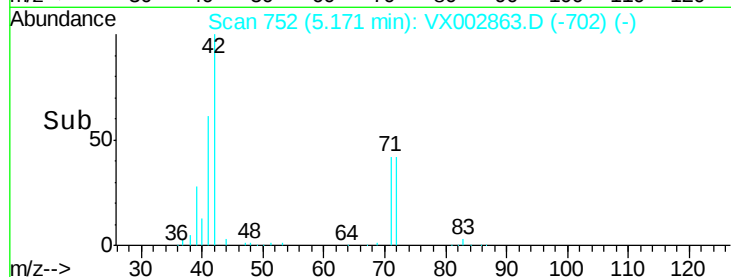
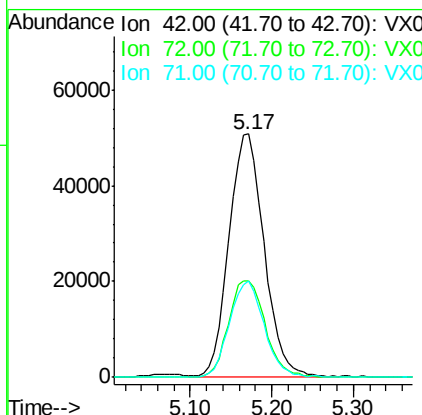
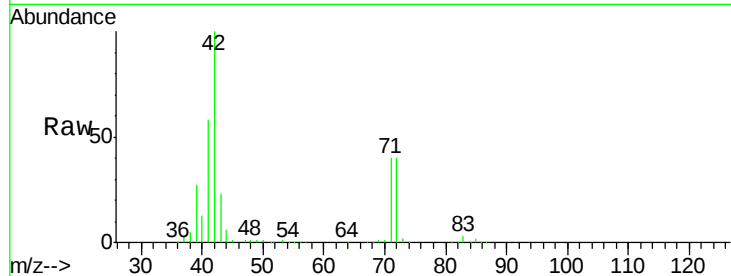
#29
Tetrahydrofuran
Concen: 93.56 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	32.0	48.0
71	39.3	30.1	45.1

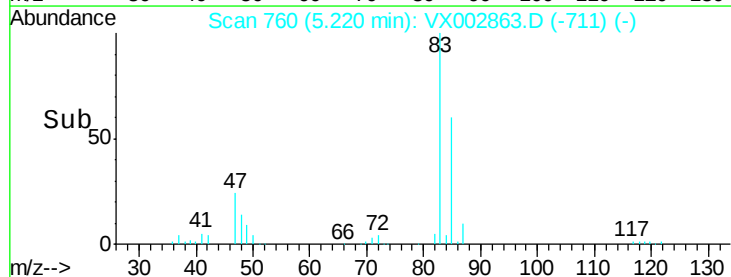
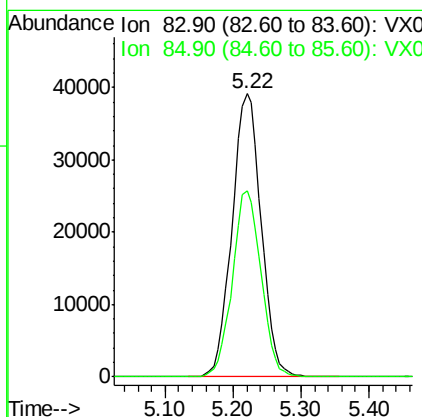
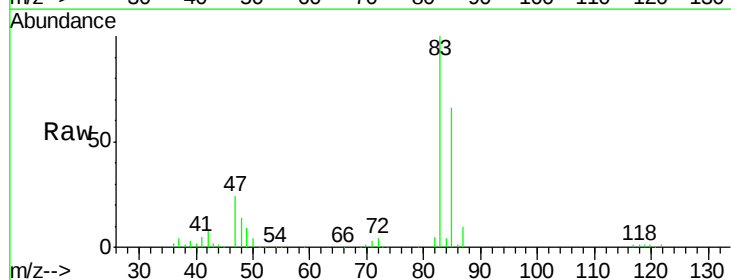
Manual Integrations
APPROVED

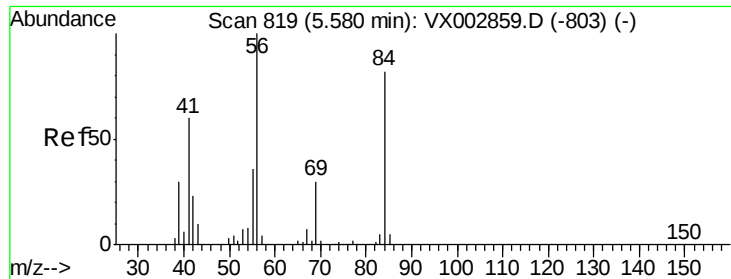
MMDadoda
6/28/2018 2:26:27 PM



#30
Chloroform
Concen: 19.82 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.4	75.6





#31

Cyclohexane

Concen: 18.92 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

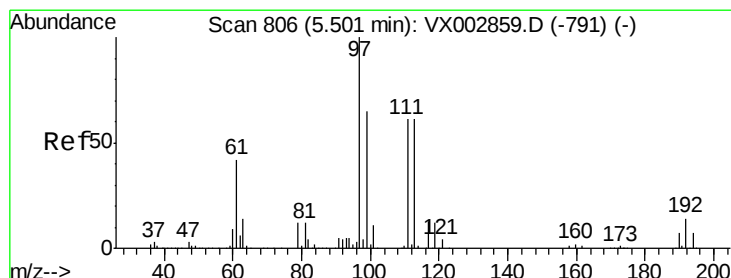
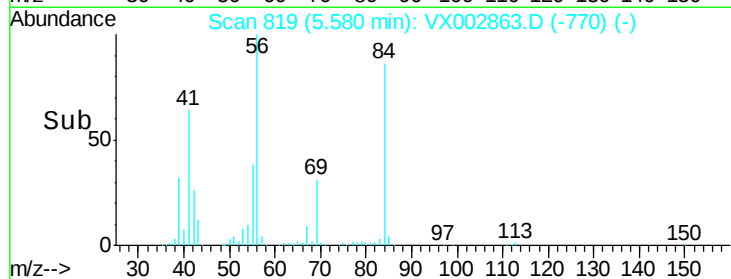
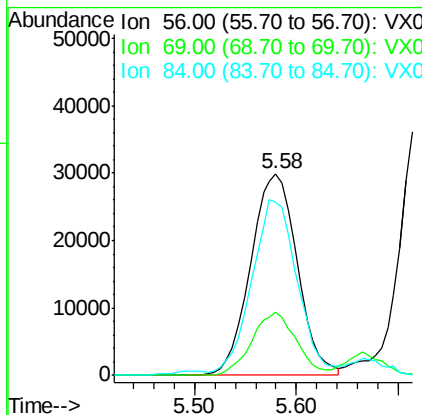
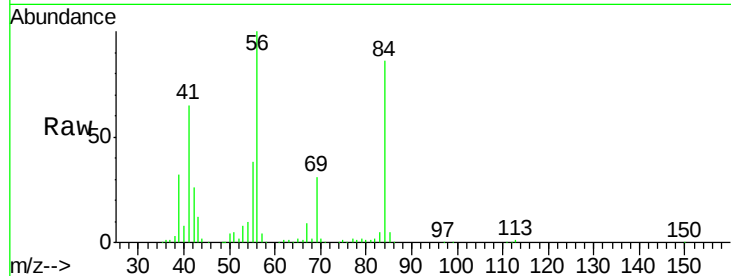
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	94697
Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.7	35.5
84	83.9	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.48 ug/l

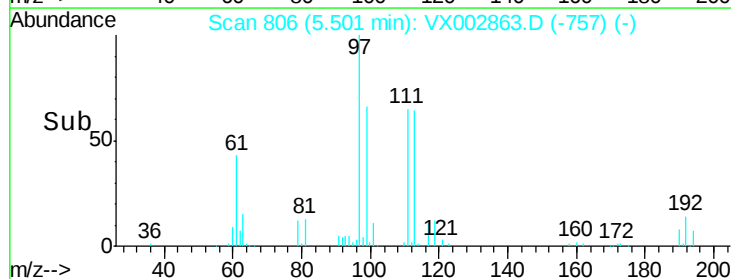
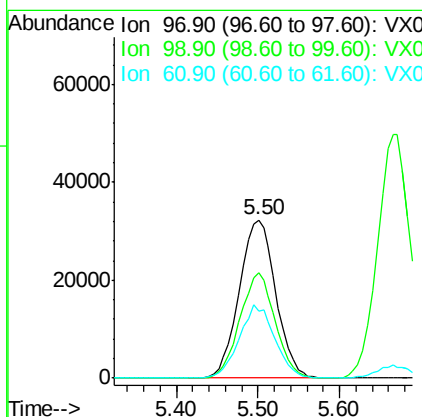
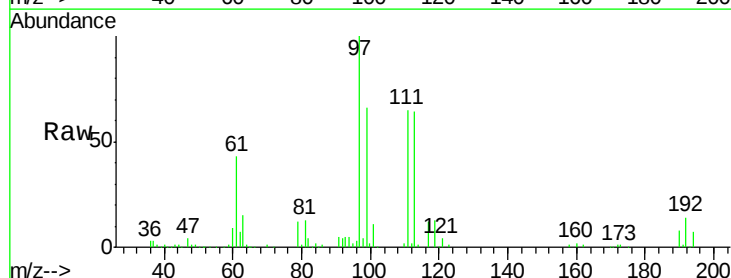
RT: 5.50 min Scan# 806

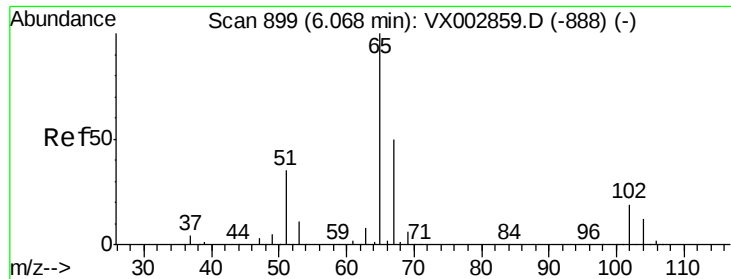
Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Tgt Ion:	97	Resp:	100434
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	45.0	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 18.64 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 79069

Ion Ratio Lower Upper

65 100

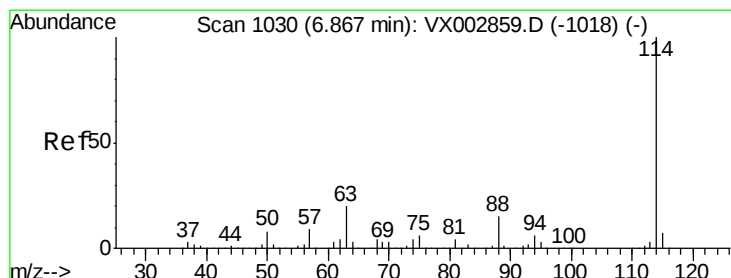
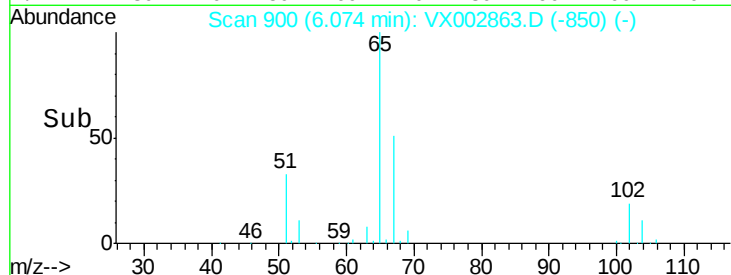
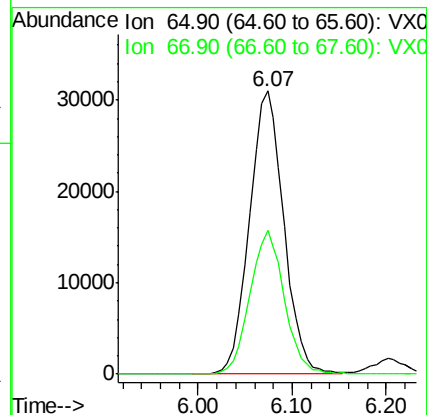
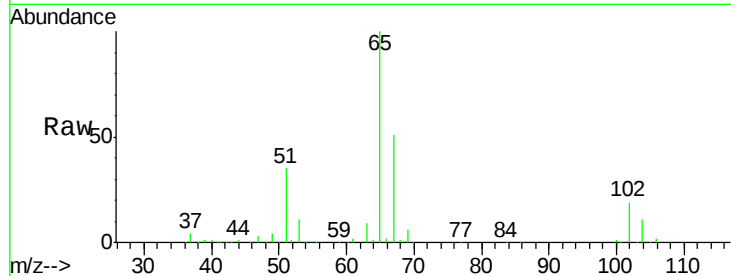
67 50.8 0.0 102.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

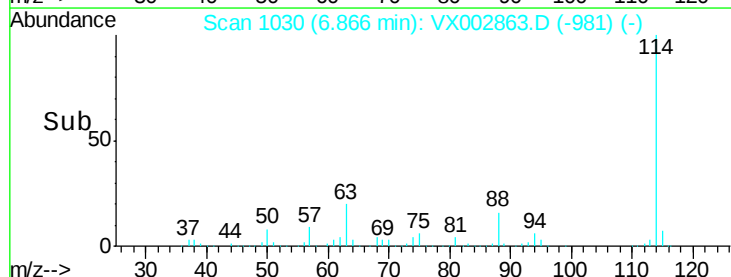
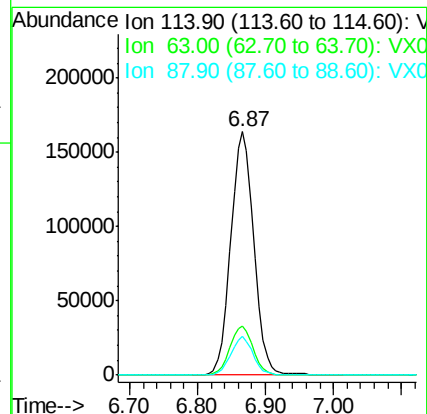
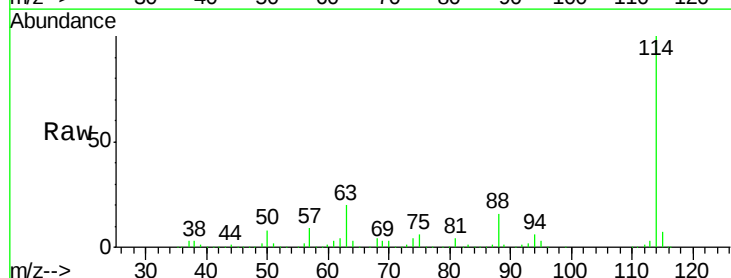
Tgt Ion: 114 Resp: 384843

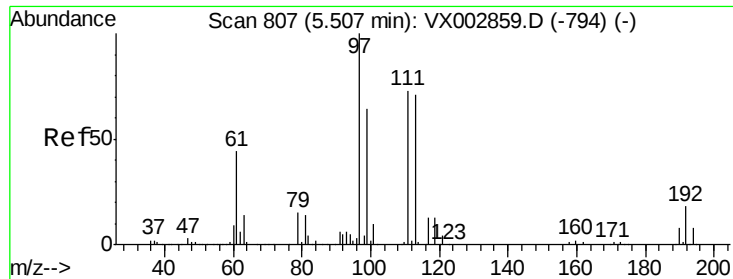
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.4

88 15.8 0.0 30.0





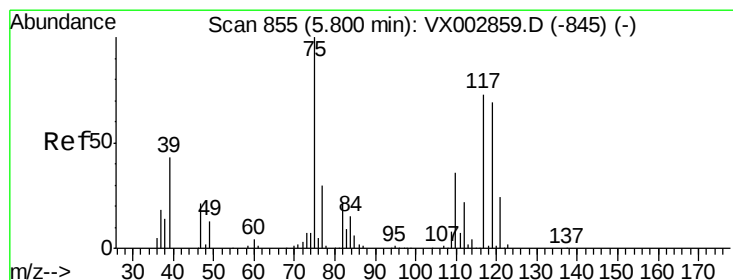
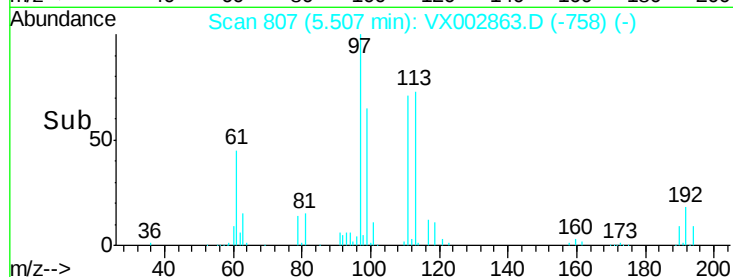
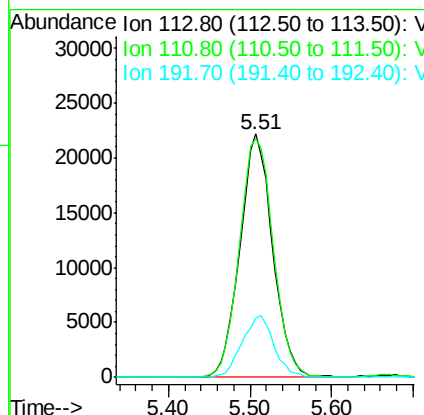
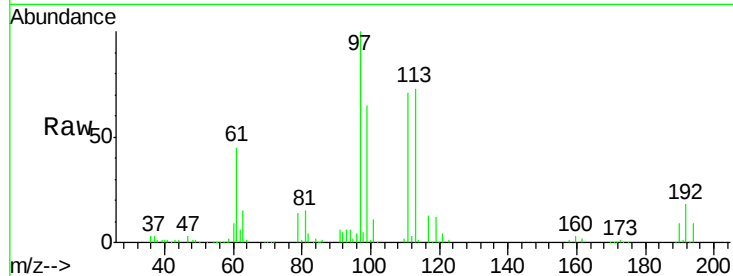
#35
Dibromofluoromethane
Concen: 20.09 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	61693		
111	102.1	81.4	122.0	
192	24.7	19.1	28.7	

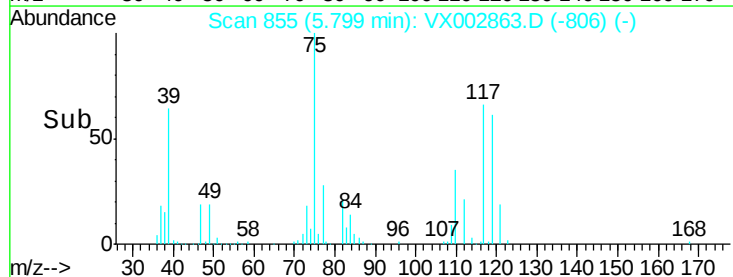
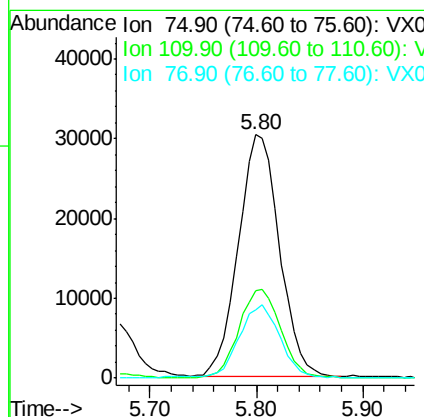
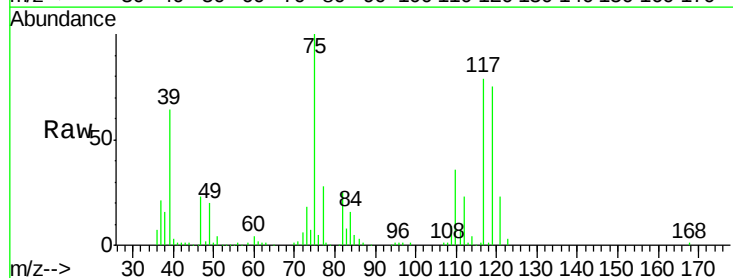
Manual Integrations
APPROVED

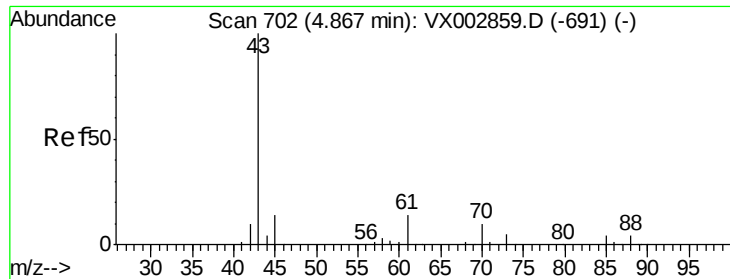
MMDadoda
6/28/2018 2:26:27 PM



#36
1,1-Dichloropropene
Concen: 20.04 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81925		
110	37.6	18.1	54.4	
77	30.8	24.3	36.5	





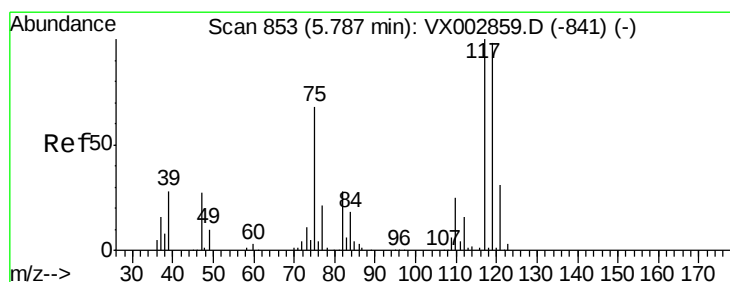
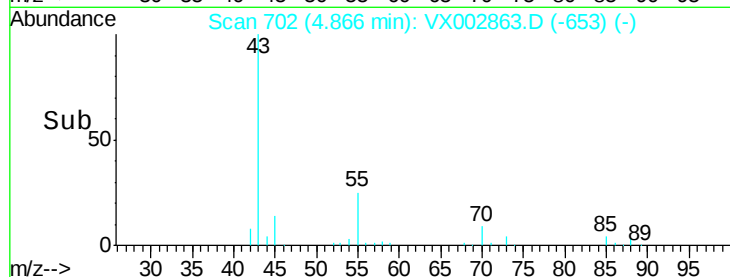
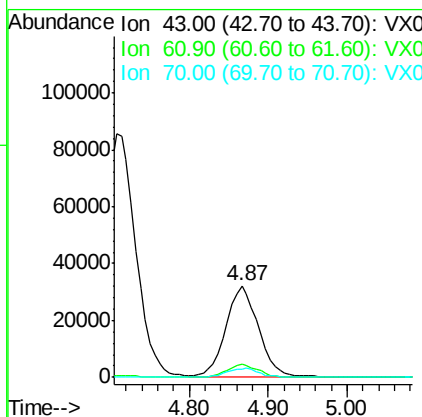
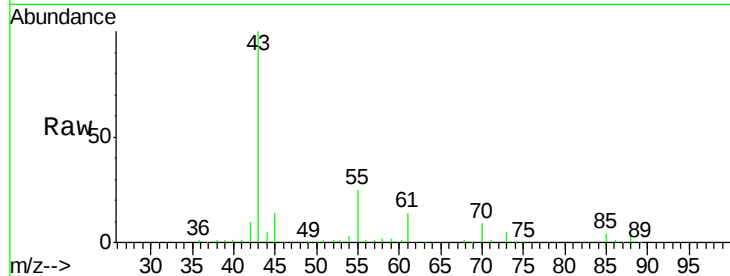
#37
Ethyl Acetate
Concen: 19.86 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	10.0	7.6	11.4

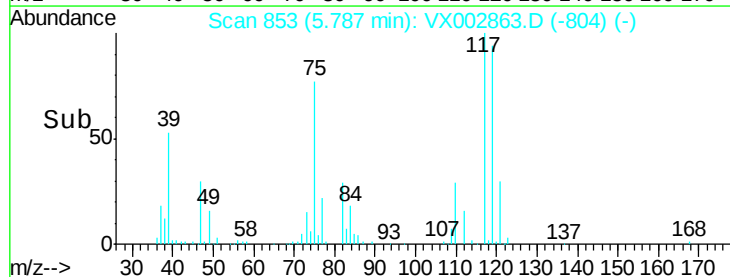
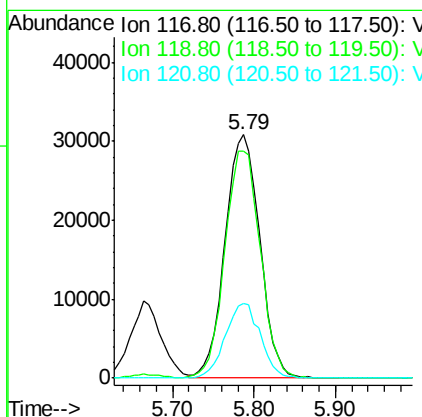
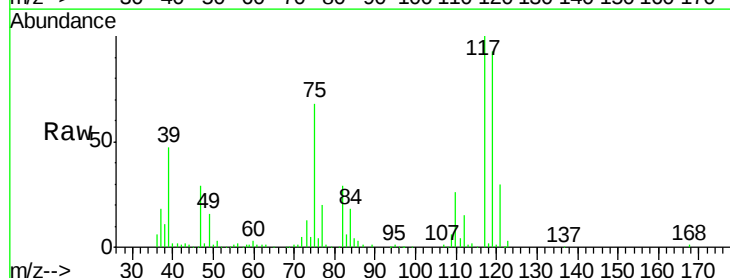
Manual Integrations
APPROVED

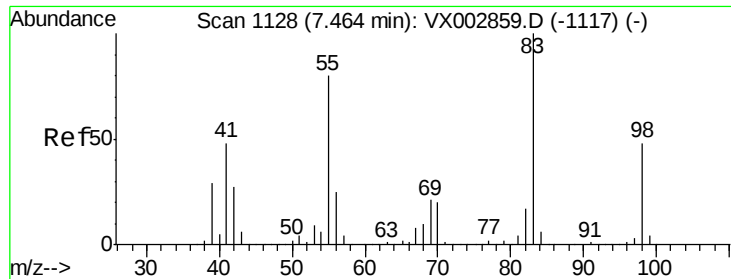
MMDadoda
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#38
Carbon Tetrachloride
Concen: 22.33 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.4	116.0
121	30.5	24.4	36.6





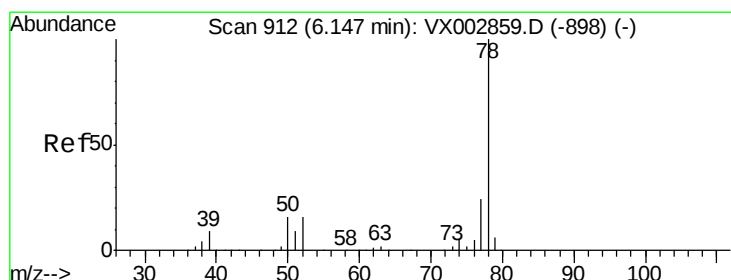
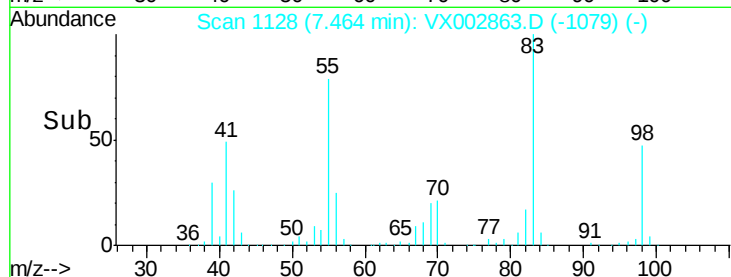
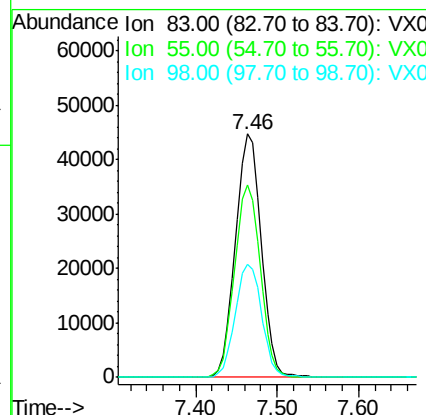
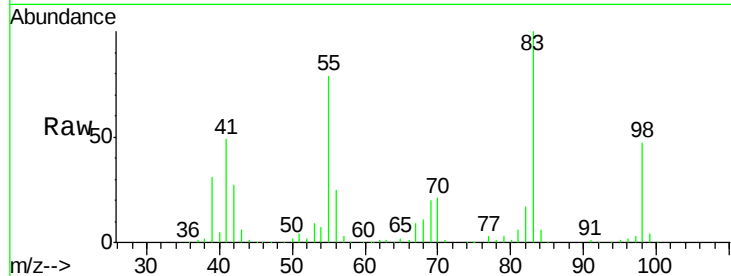
#39
Methvlcvclohexane
Concen: 20.43 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.3	65.4	98.0
98	46.6	37.4	56.0

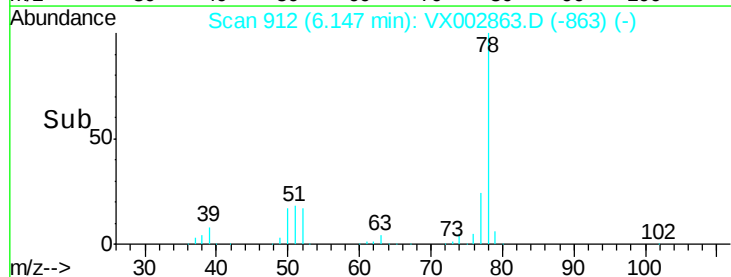
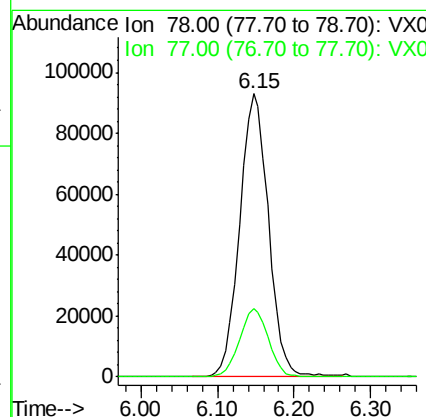
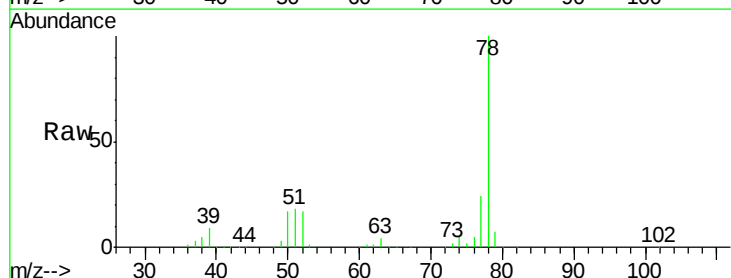
Manual Integrations
APPROVED

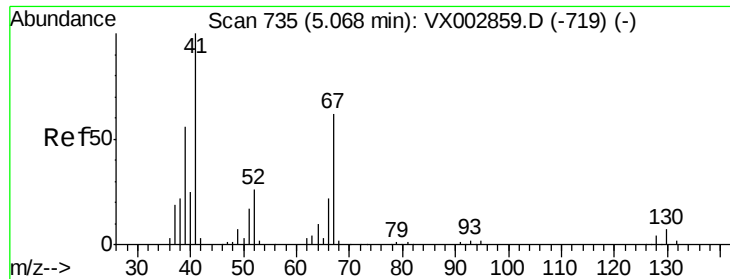
MMDadoda
6/28/2018 2:26:27 PM



#40
Benzene
Concen: 19.82 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7





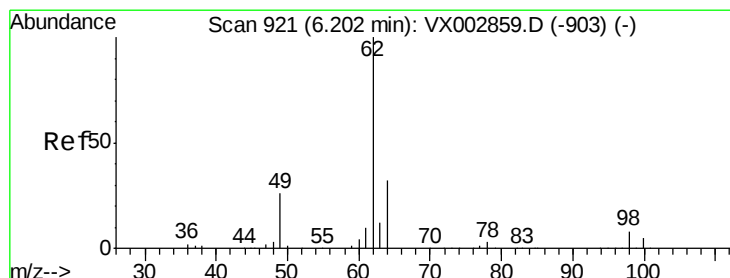
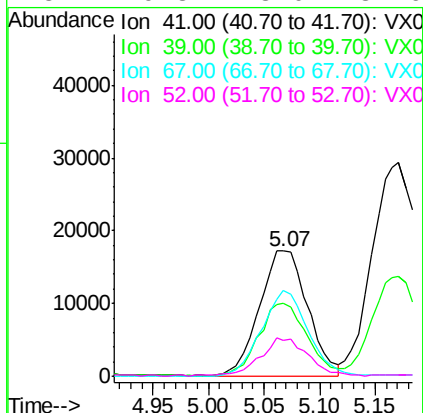
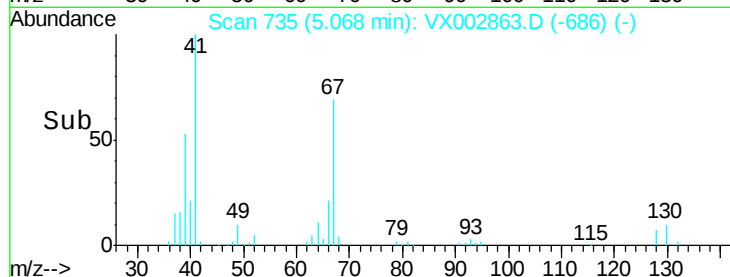
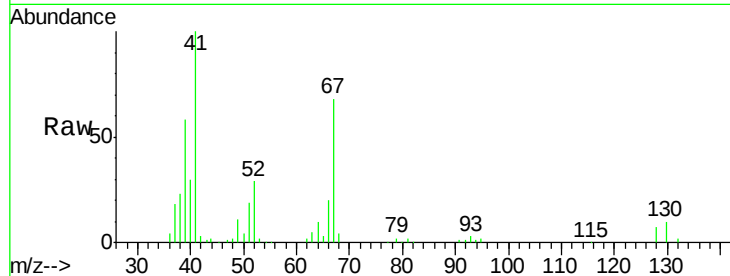
#41
Methacrylonitrile
Concen: 19.78 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.7	45.8	68.6	
67	67.0	51.3	76.9	
52	29.3	23.0	34.6	

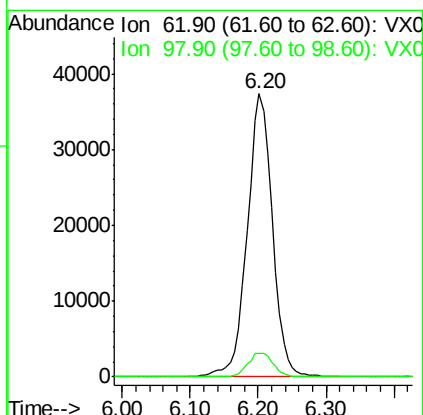
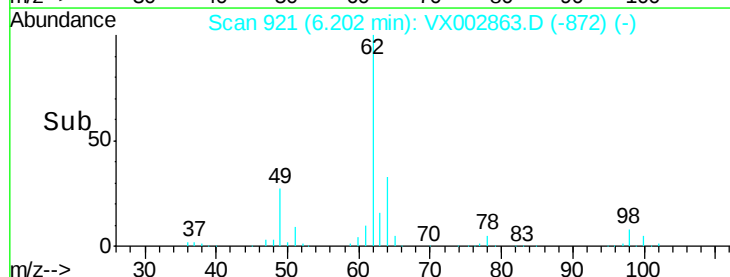
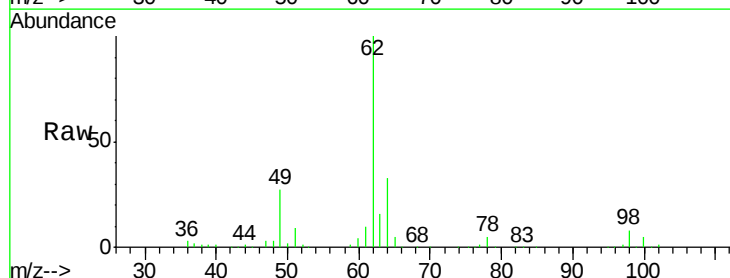
Manual Integrations
APPROVED

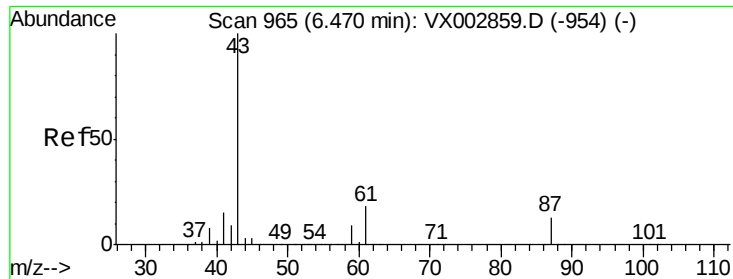
MMDadoda
6/28/2018 2:26:27 PM



#42
1,2-Dichloroethane
Concen: 20.35 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	16.6	





#43

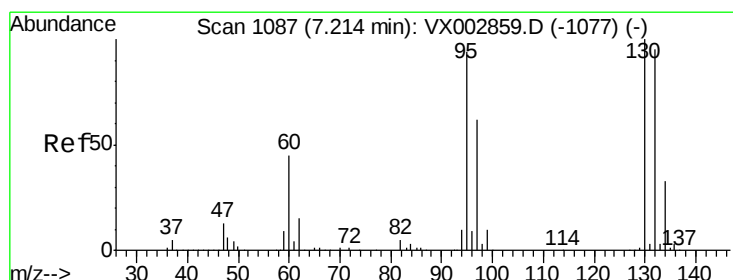
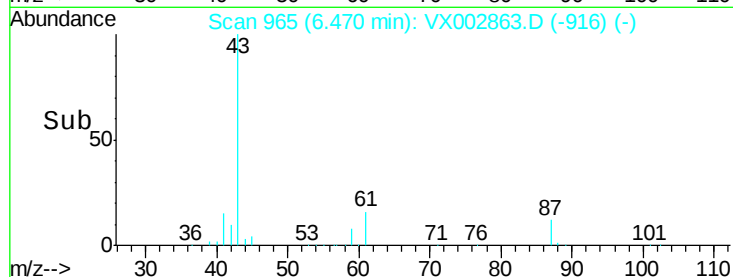
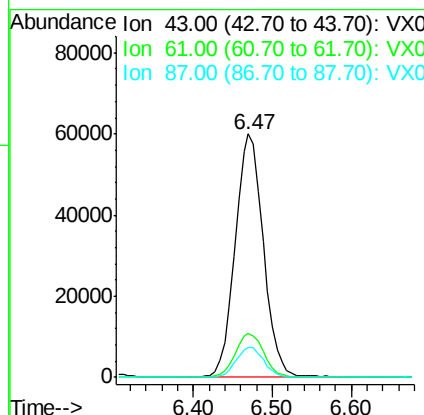
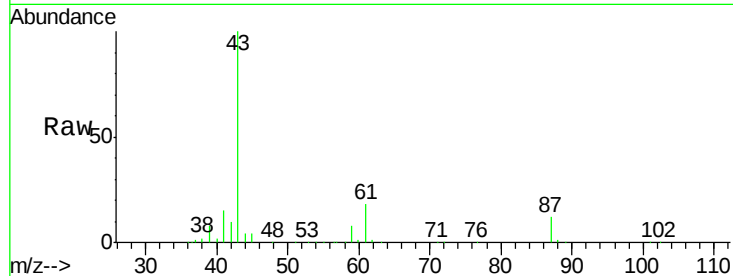
Isopropyl Acetate
 Concen: 19.39 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002863.D
 Acq: 25 Jun 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.4	21.6
87	12.2	9.5	14.3

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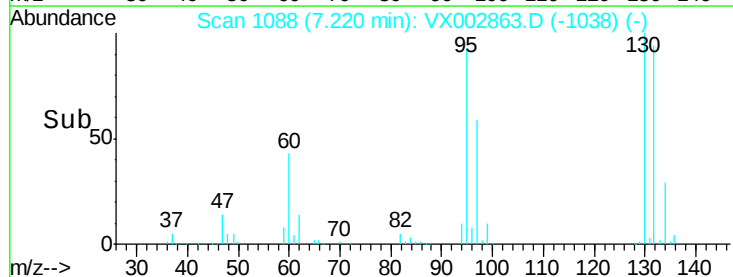
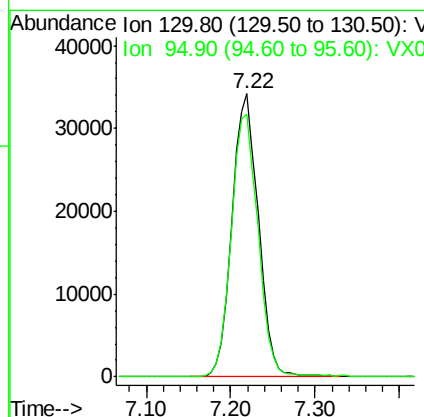
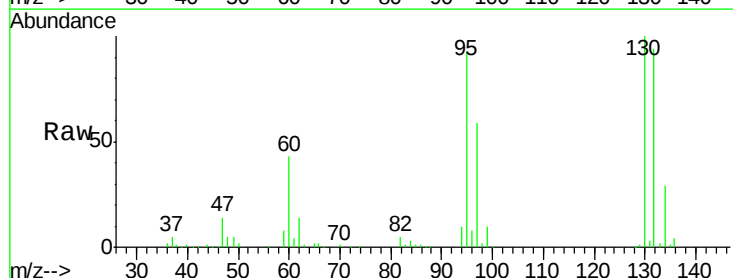
MMDadoda
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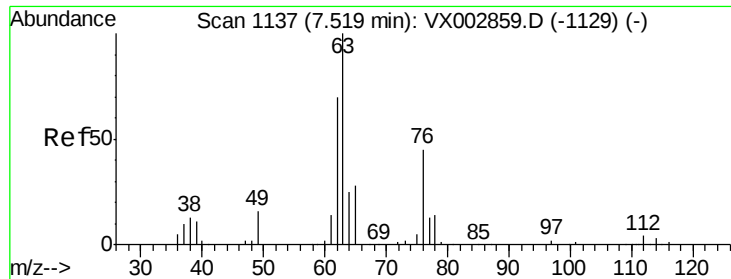


#44

Trichloroethene
 Concen: 20.54 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX002863.D
 Acq: 25 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	185.4





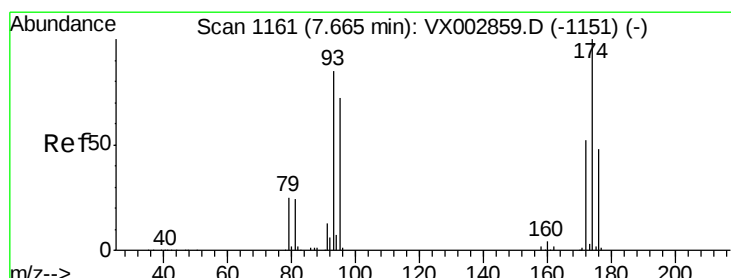
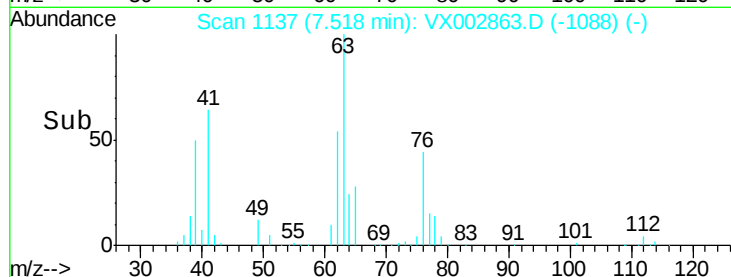
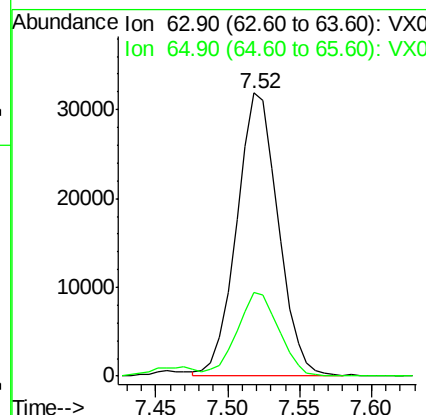
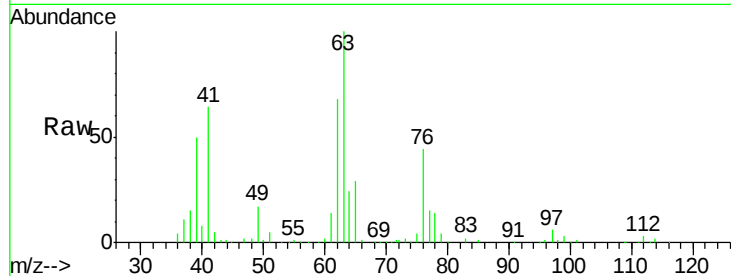
#45
 1,2-Dichloropropane
 Concen: 19.71 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002863.D
 Acq: 25 Jun 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 63587
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.7 37.1

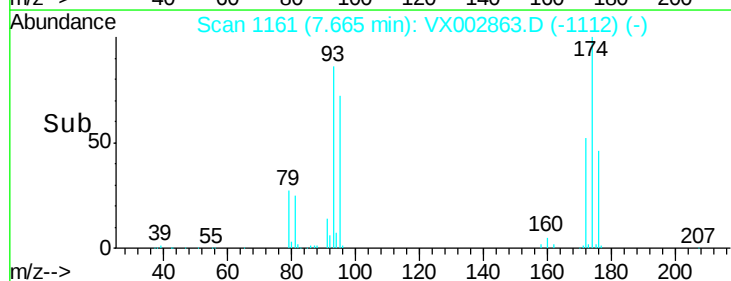
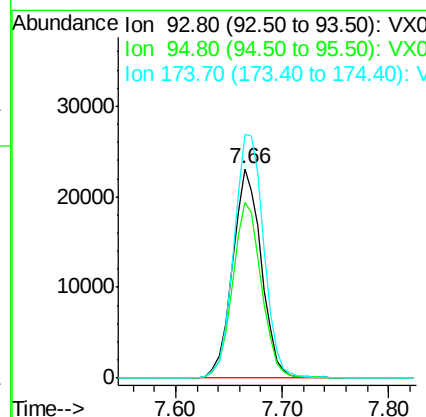
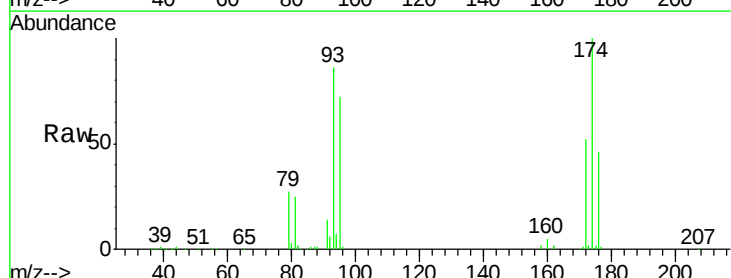
Manual Integrations
 APPROVED

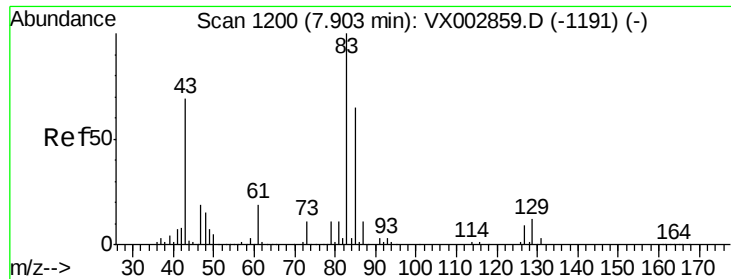
MMDadoda
 6/28/2018 2:26:27 PM



#46
 Dibromomethane
 Concen: 20.30 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002863.D
 Acq: 25 Jun 2018 14:00

Tgt Ion: 93 Resp: 43800
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.9 98.9
 174 120.7 92.4 138.6





#47

Bromodichloromethane

Concen: 21.32 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

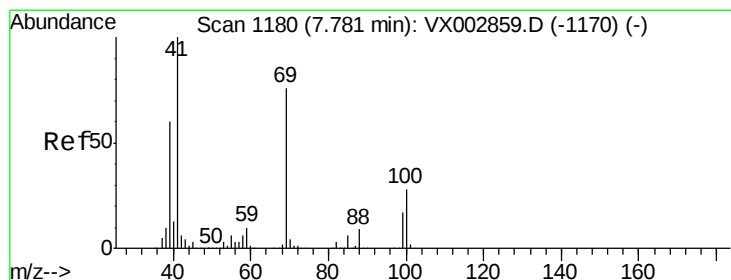
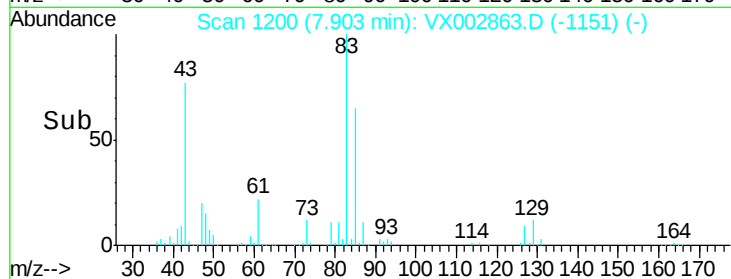
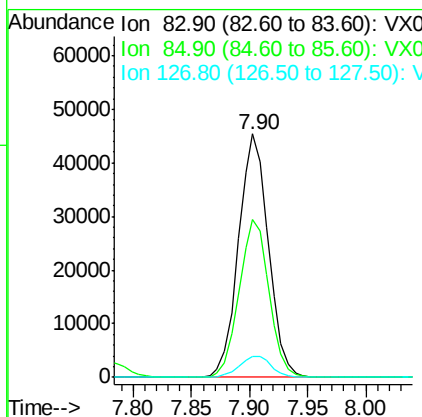
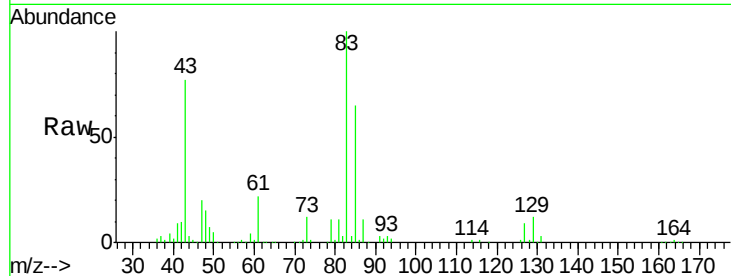
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	81120
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.3	75.5
127	8.8	7.0	10.4

Manual Integrations
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MMDadoda
6/28/2018 2:26:27 PM



#48

Methyl methacrylate

Concen: 20.04 ug/l

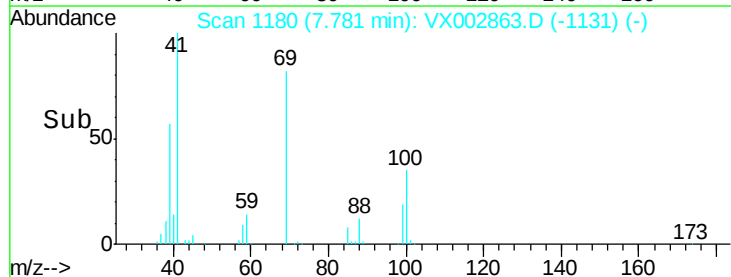
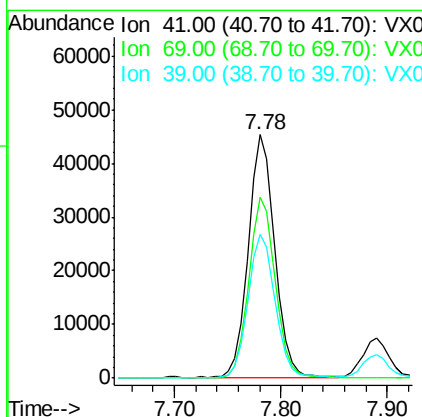
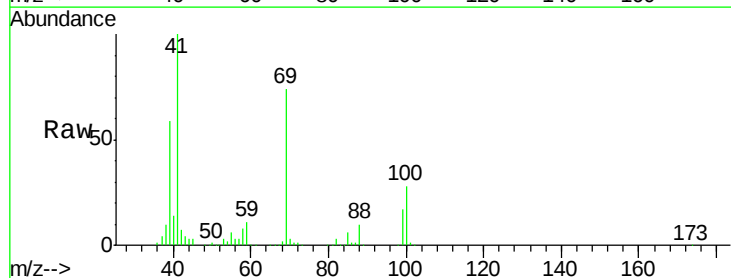
RT: 7.78 min Scan# 1180

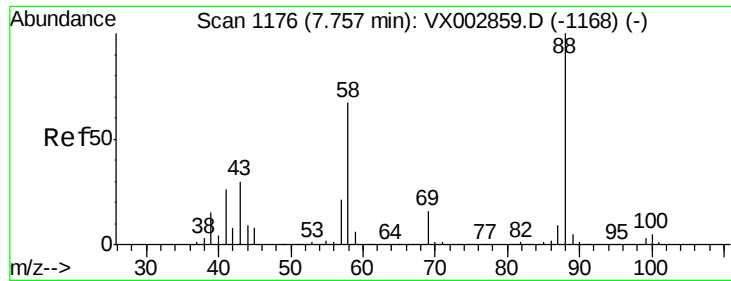
Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Tgt Ion:	41	Resp:	78496
Ion	Ratio	Lower	Upper
41	100		
69	75.7	59.1	88.7
39	60.3	48.9	73.3





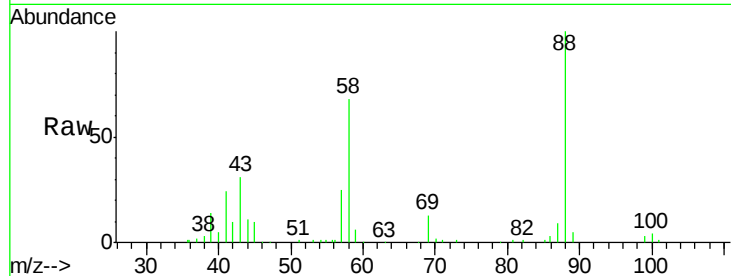
#49
1,4-Dioxane
Concen: 413.24 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	29.8	44.6
58	72.9	57.1	85.7

Manual Integrations
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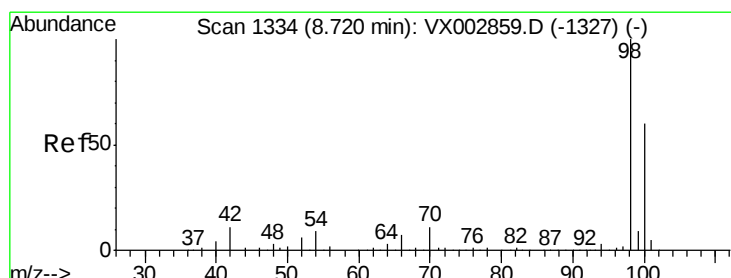
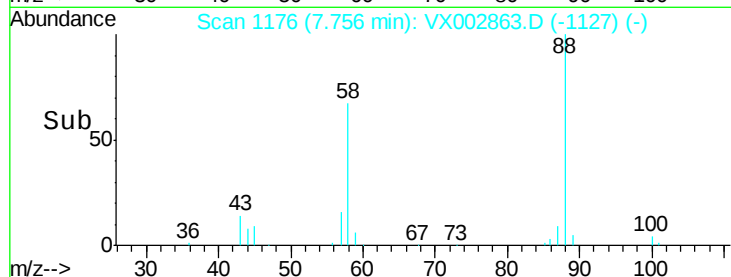
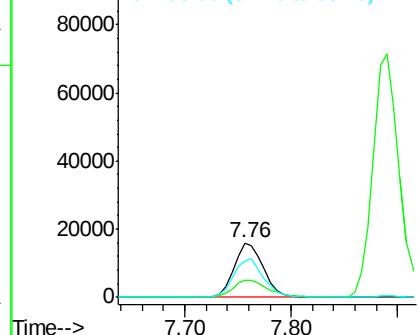


Abundance

Ion 88.00 (87.70 to 88.70): VX0

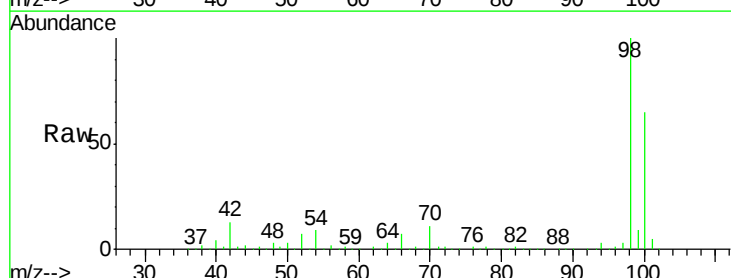
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 19.21 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

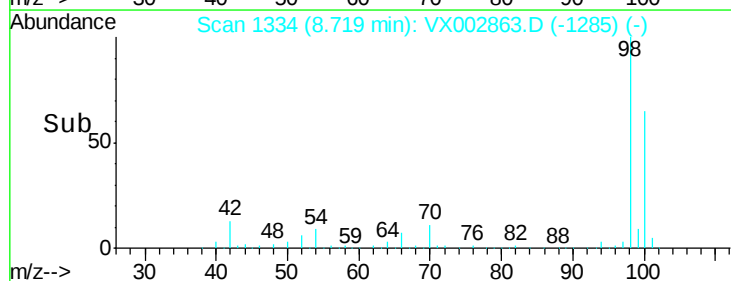
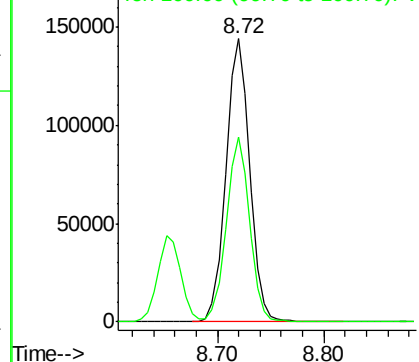
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.9	76.3

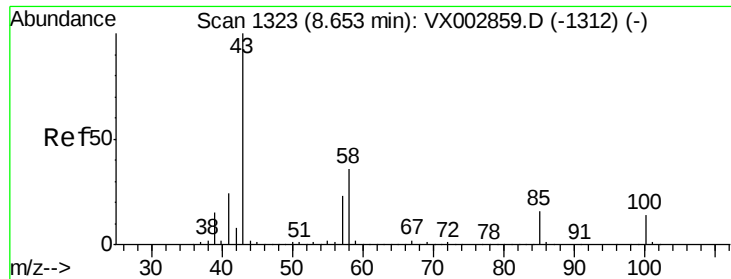


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 97.66 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 480624

Ion Ratio Lower Upper

43 100

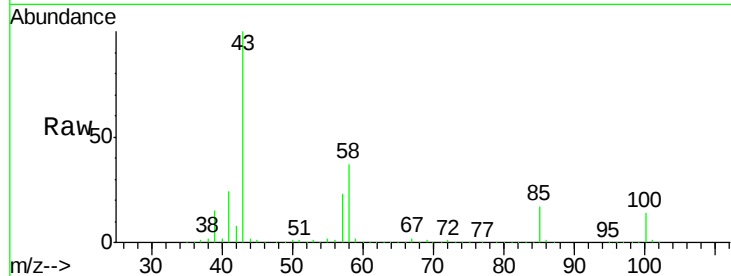
58 36.4 28.6 42.8

Manual Integrations

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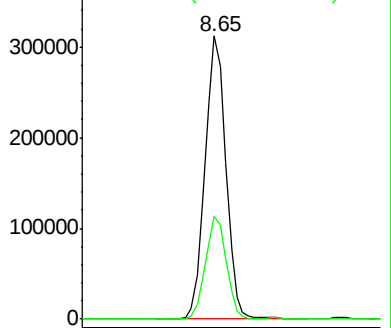
MMDadoda

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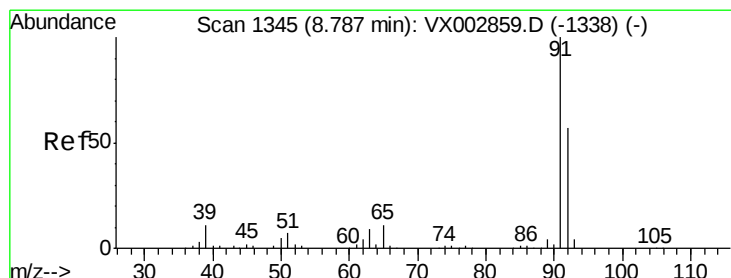
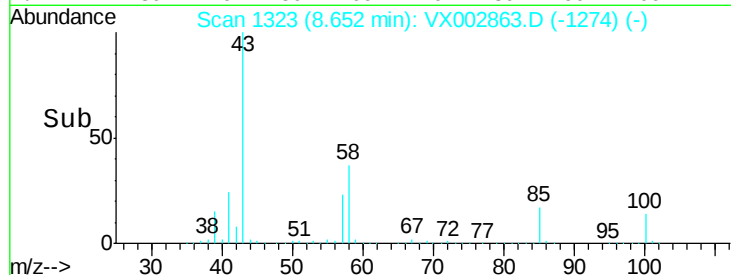


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 20.10 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002863.D

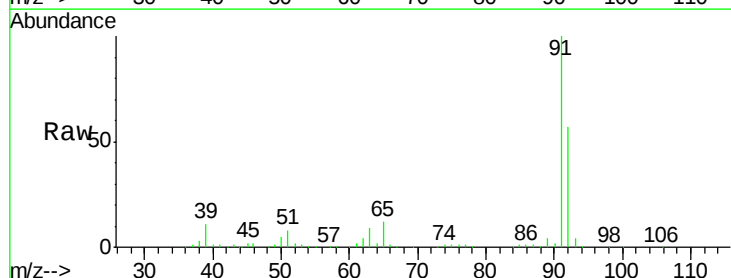
Acq: 25 Jun 2018 14:00

Tgt Ion: 92 Resp: 157109

Ion Ratio Lower Upper

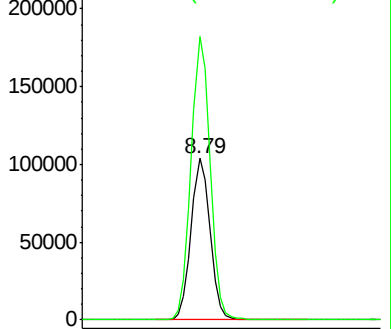
92 100

91 175.4 140.4 210.6

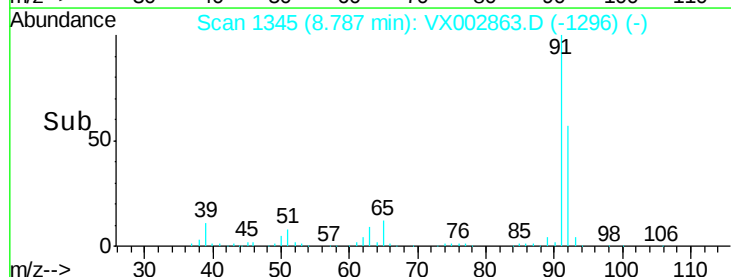


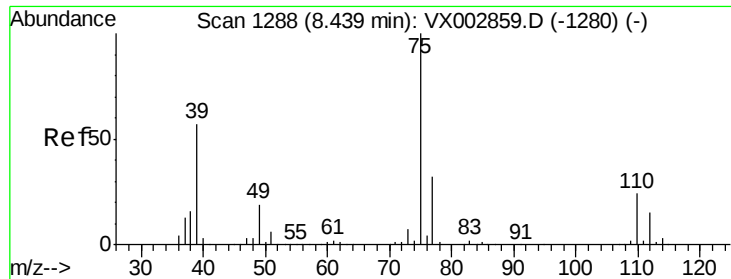
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





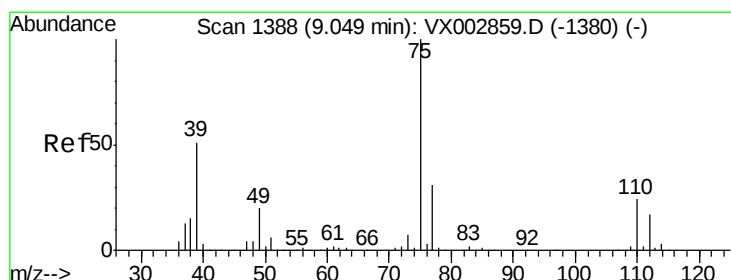
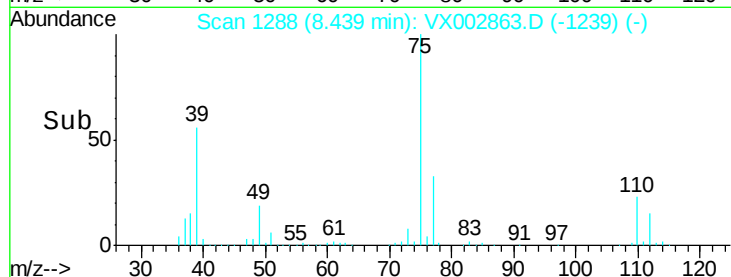
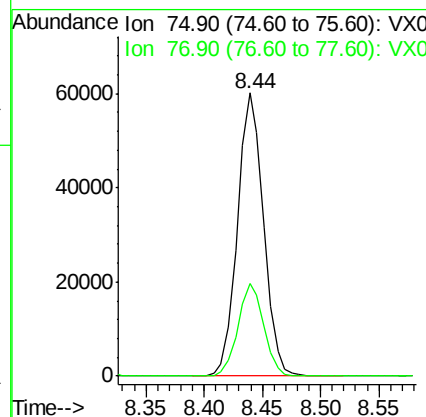
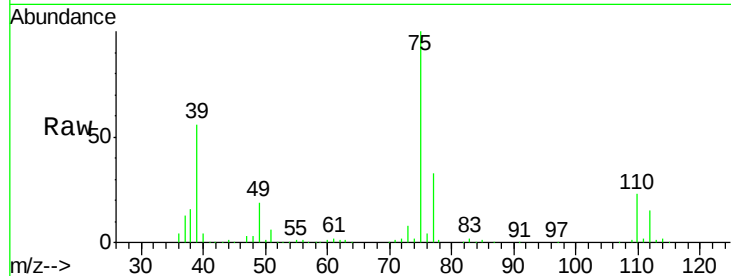
#53
t-1,3-Dichloropropene
Concen: 20.93 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 93732
Ion Ratio Lower Upper
75 100
77 32.7 25.4 38.2

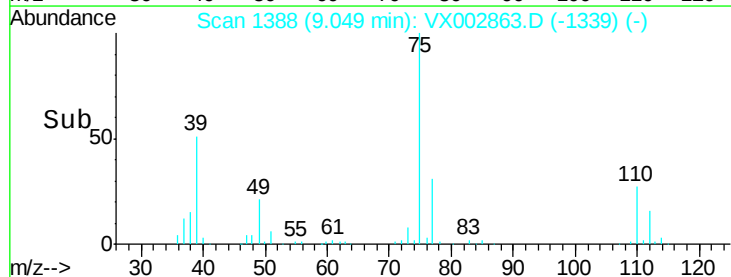
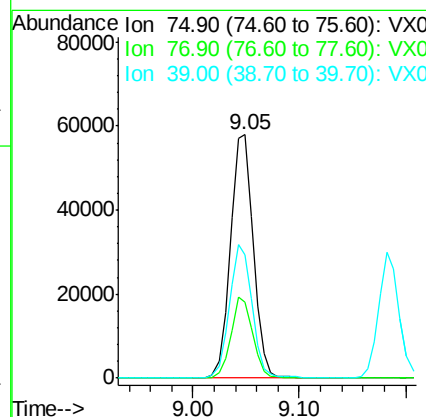
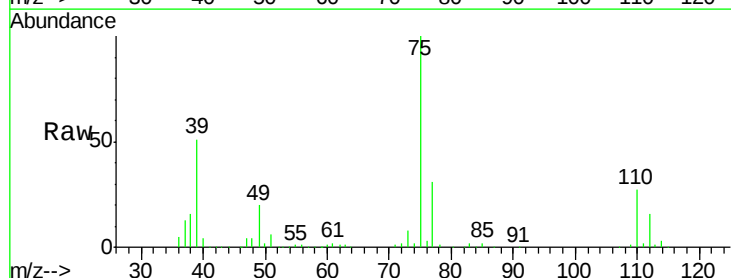
Manual Integrations
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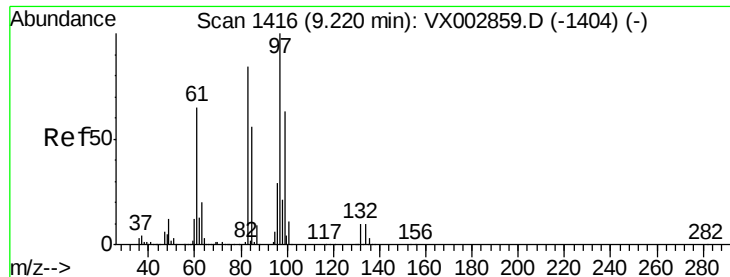
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#54
cis-1,3-Dichloropropene
Concen: 21.05 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Tgt Ion: 75 Resp: 87320
Ion Ratio Lower Upper
75 100
77 30.9 24.8 37.2
39 50.7 42.4 63.6





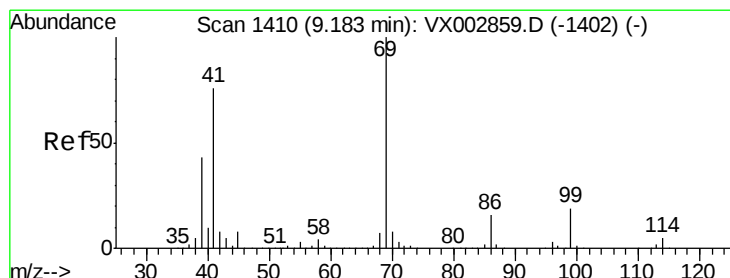
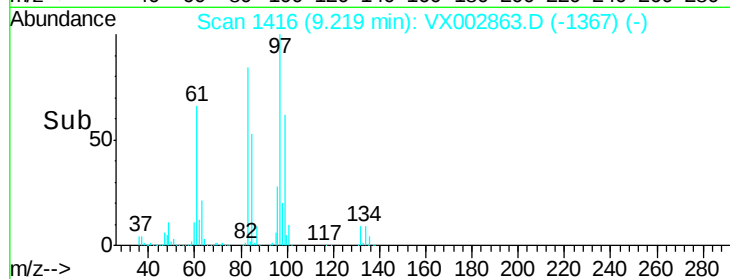
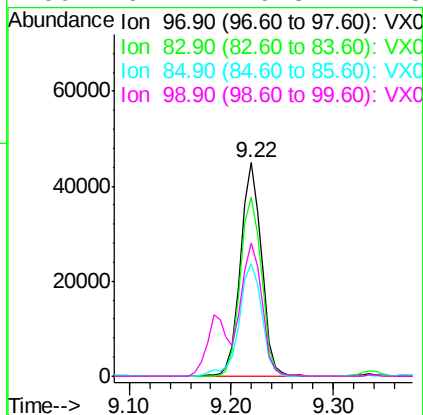
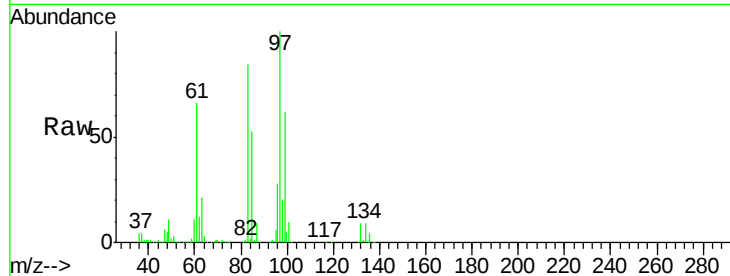
#55
 1,1,2-Trichloroethane
 Concen: 20.20 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002863.D
 Acq: 25 Jun 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	63800
Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.2	105.2
85	52.9	44.9	67.3
99	62.4	49.8	74.8

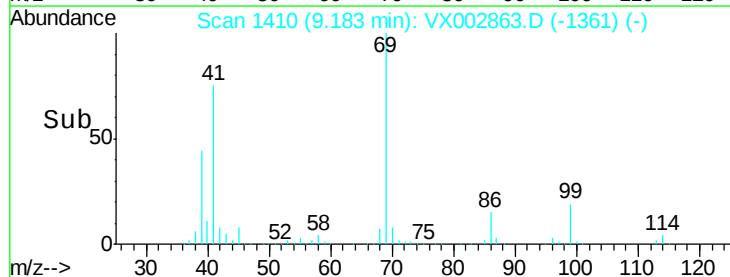
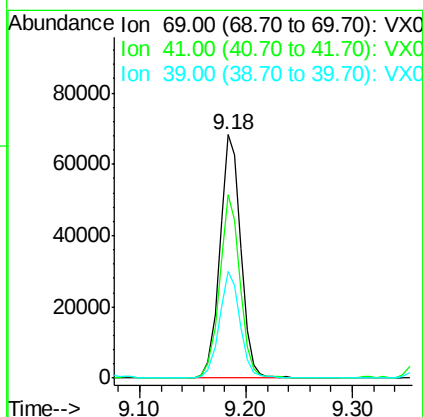
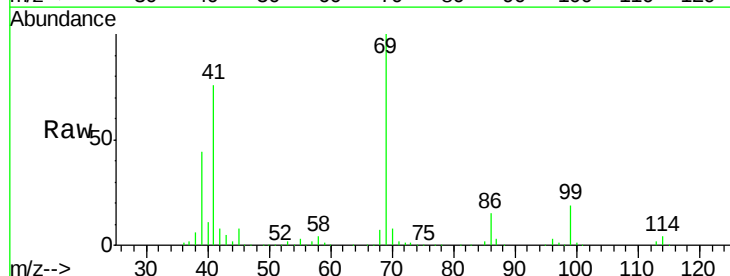
Manual Integrations
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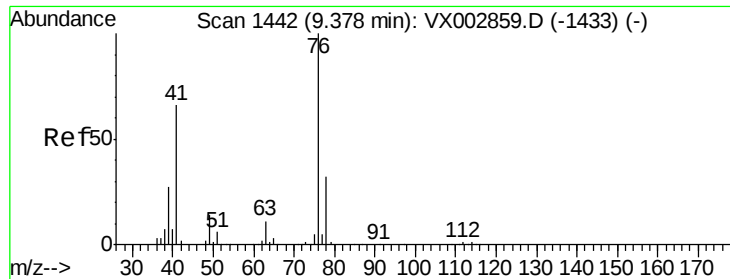
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#56
 Ethyl methacrylate
 Concen: 19.25 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002863.D
 Acq: 25 Jun 2018 14:00

Tgt Ion:	69	Resp:	93578
Ion	Ratio	Lower	Upper
69	100		
41	72.8	60.3	90.5
39	42.8	35.8	53.8





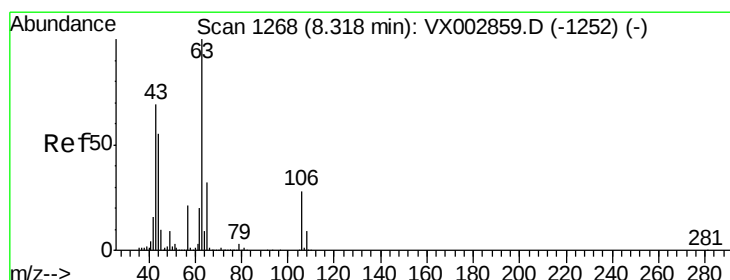
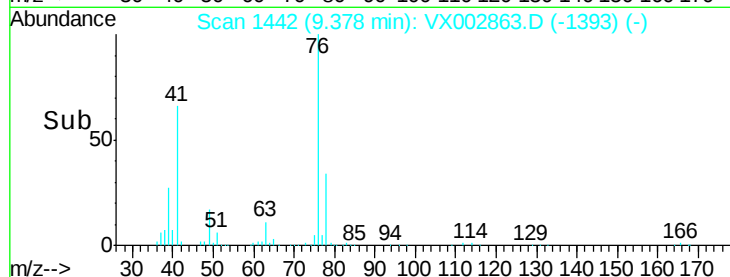
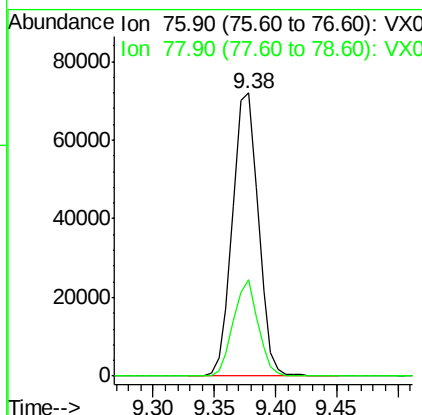
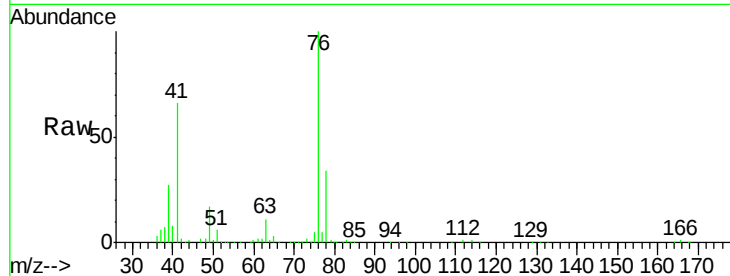
#57
 1,3-Dichloropropane
 Concen: 19.65 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002863.D
 Acq: 25 Jun 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

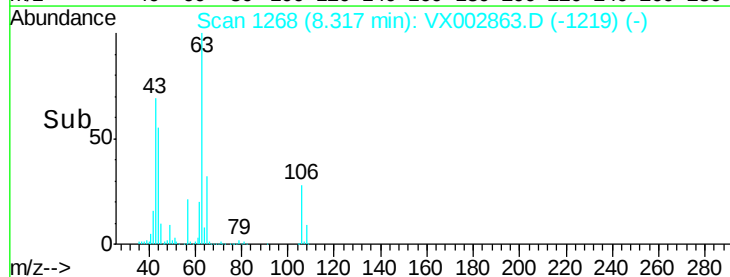
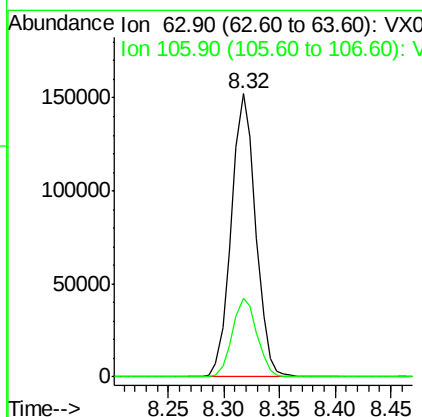
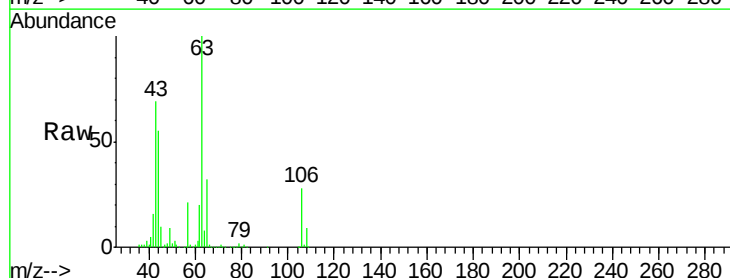
Manual Integrations
 APPROVED

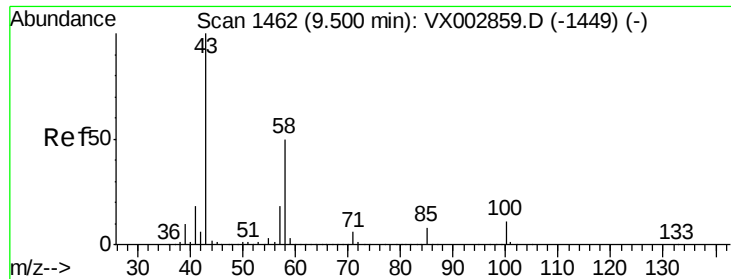
MMDadoda
 6/28/2018 2:26:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.33 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX002863.D
 Acq: 25 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.8





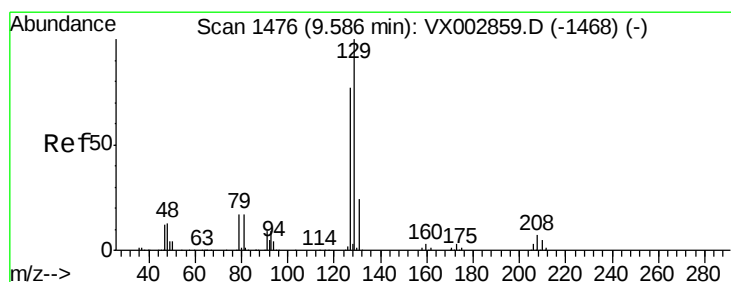
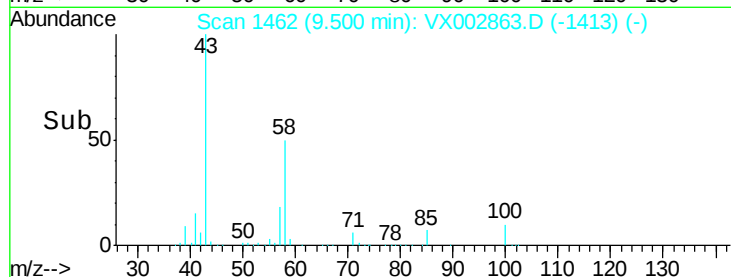
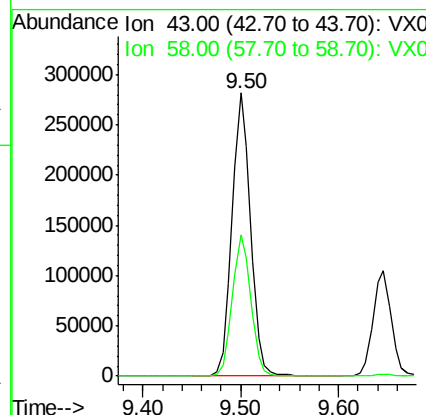
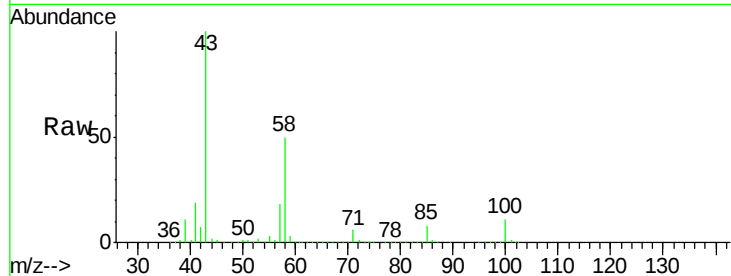
#59
2-Hexanone
Concen: 99.85 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 370273
Ion Ratio Lower Upper
43 100
58 50.3 24.6 73.6

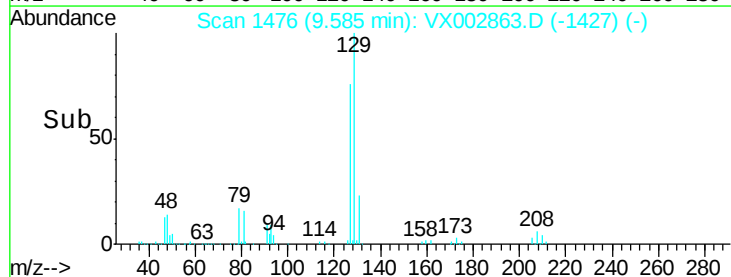
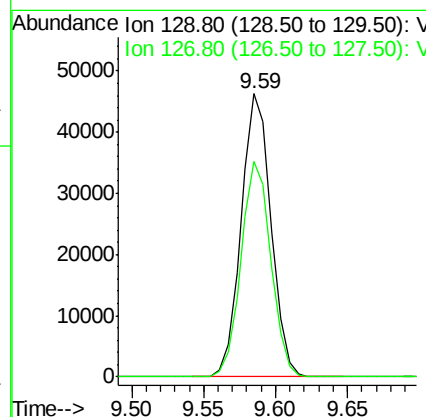
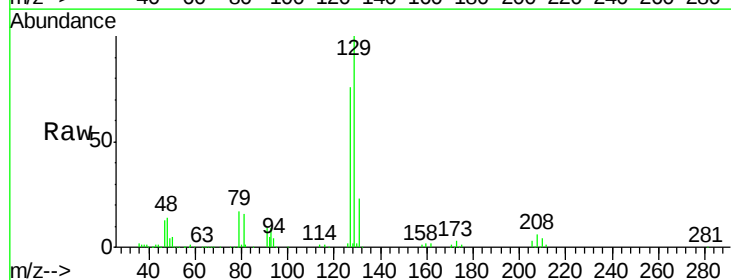
Manual Integrations
APPROVED

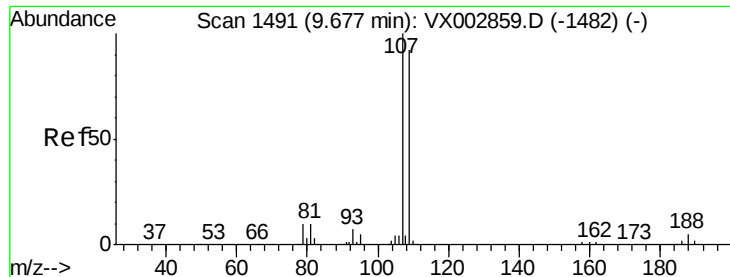
MMDadoda
6/28/2018 2:26:27 PM



#60
Dibromochloromethane
Concen: 21.82 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Tgt Ion: 129 Resp: 66527
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.62 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 67464

Ion Ratio Lower Upper

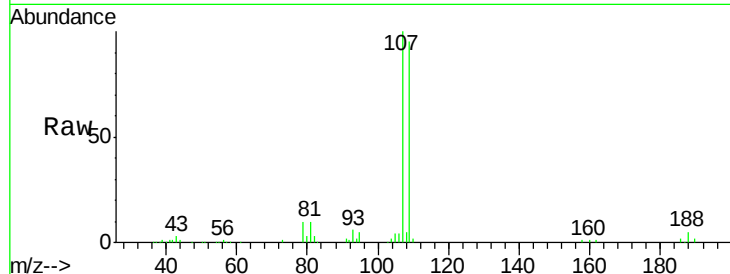
107 100

109 94.1 75.3 112.9

Manual Integrations
APPROVED

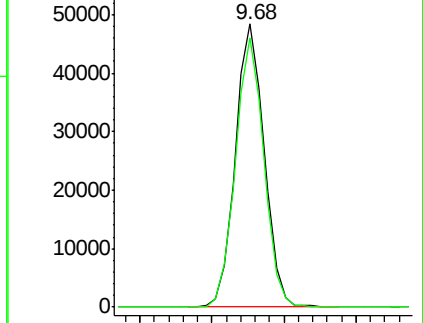
MMDadoda

6/28/2018 2:26:27 PM

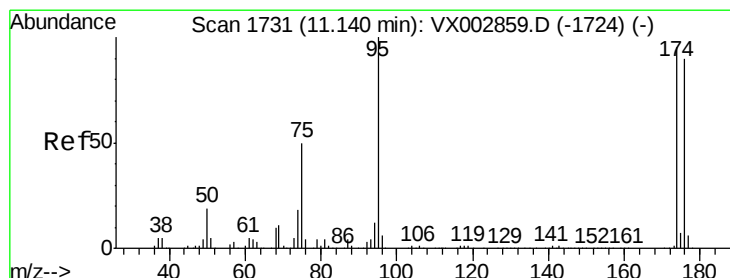
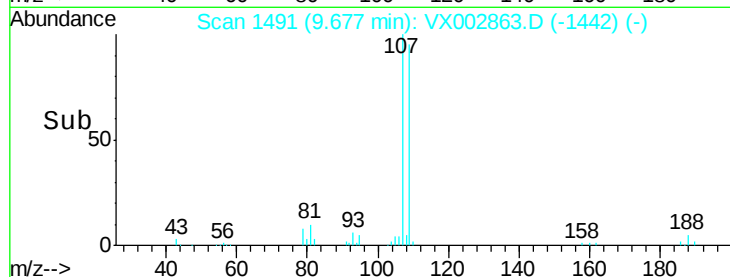


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 19.06 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

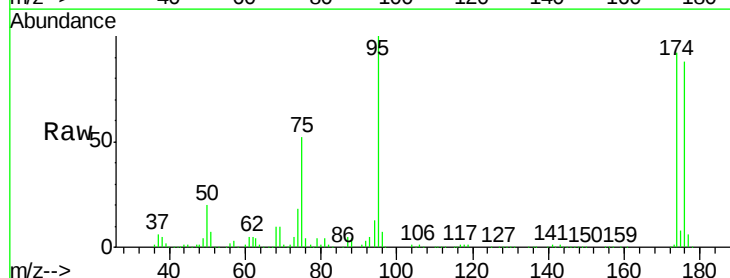
Tgt Ion: 95 Resp: 84238

Ion Ratio Lower Upper

95 100

174 96.0 0.0 187.4

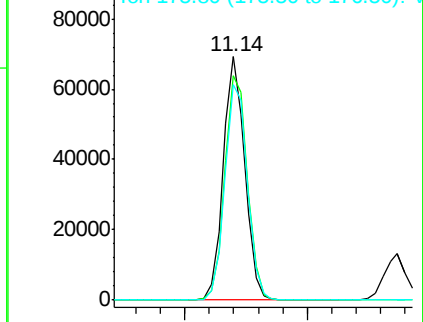
176 92.3 0.0 181.0



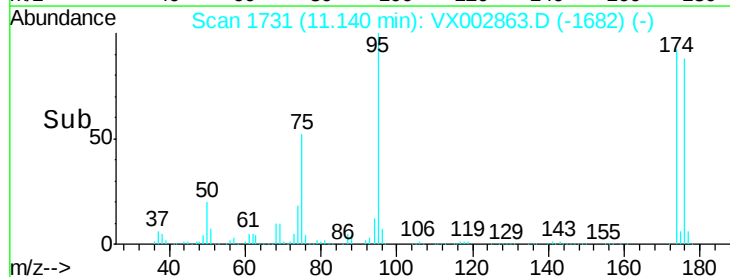
Abundance Ion 94.90 (94.60 to 95.60): VX0

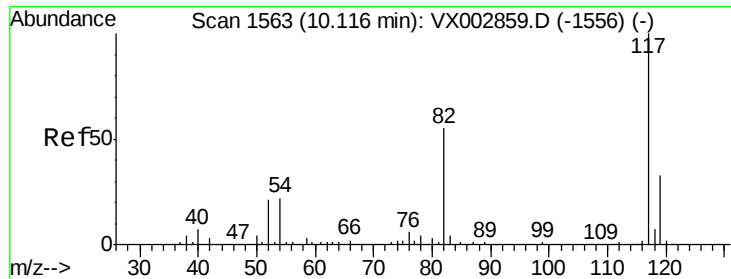
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





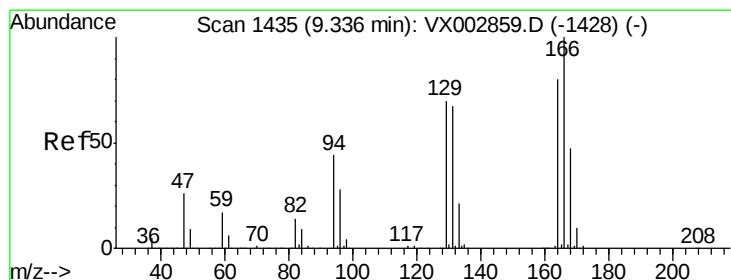
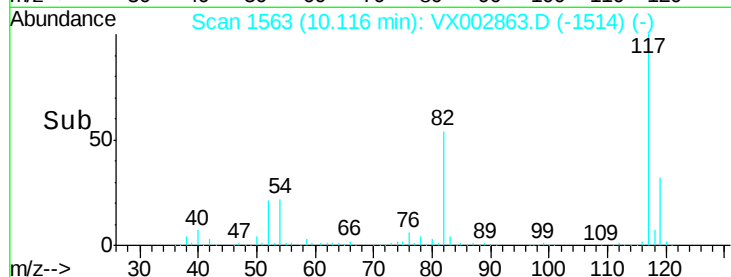
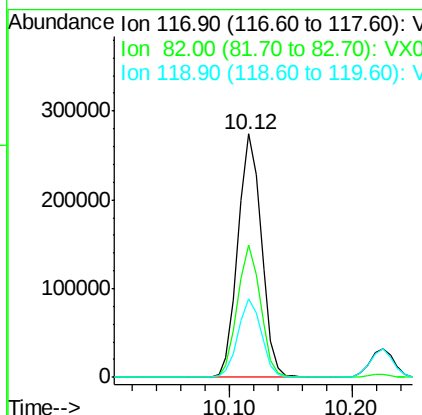
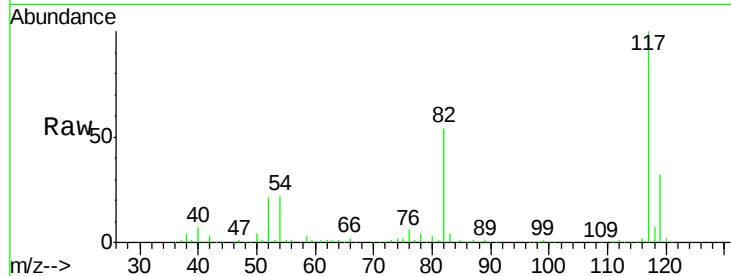
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.0	67.4
119	32.4	25.8	38.6

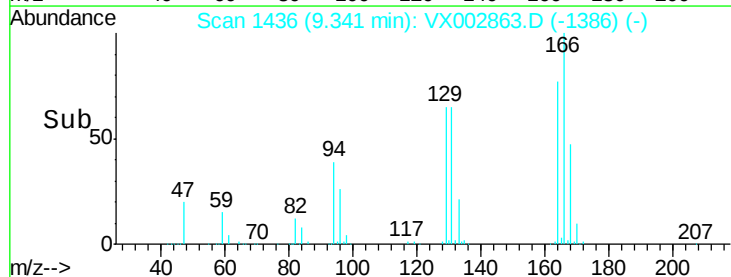
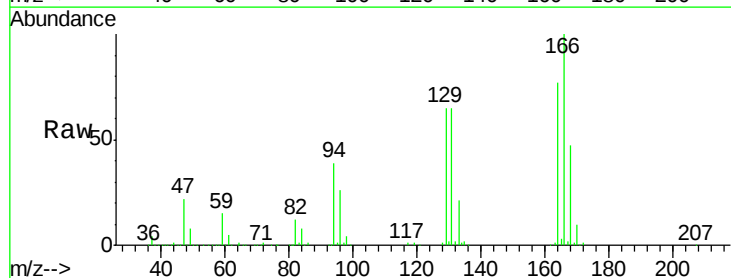
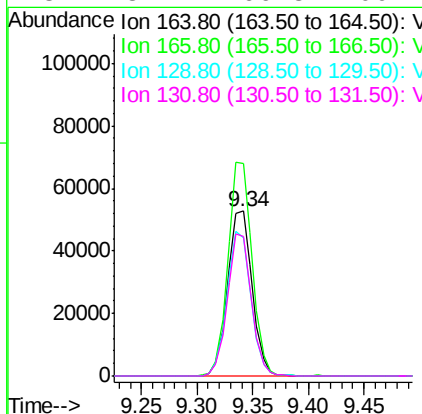
Manual Integrations
APPROVED

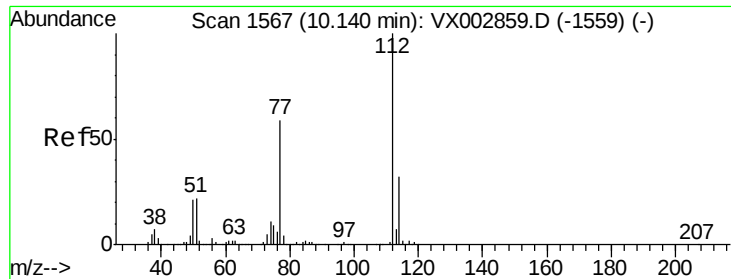
MMDadoda
6/28/2018 2:26:27 PM



#64
Tetrachloroethene
Concen: 19.82 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	102.9	154.3
129	84.4	68.6	102.8
131	84.7	66.8	100.2





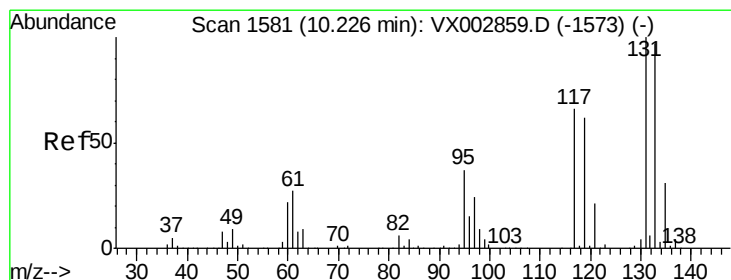
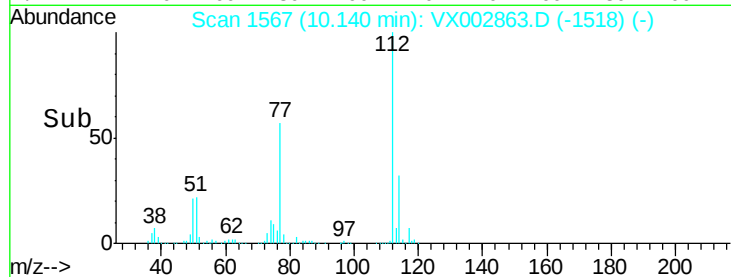
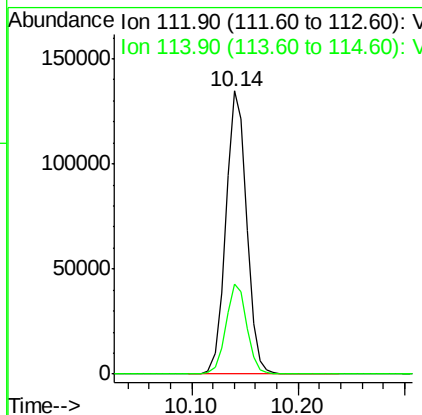
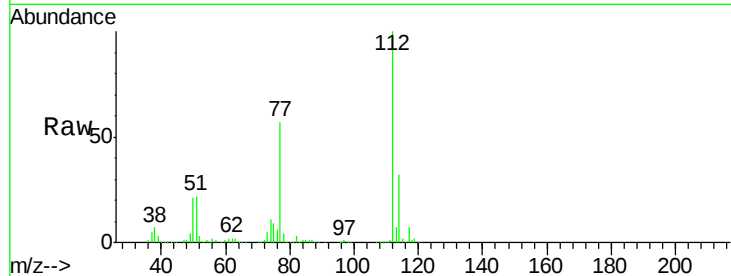
#65
Chlorobenzene
Concen: 20.63 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.3	37.9

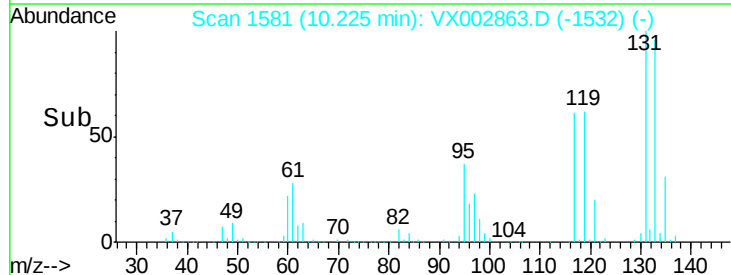
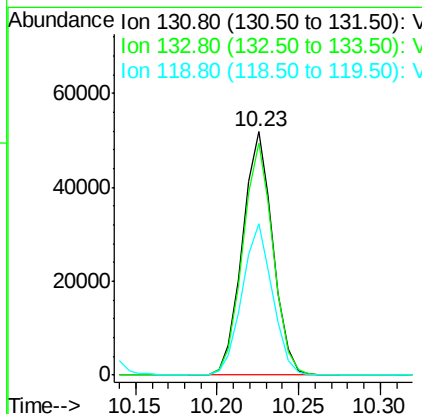
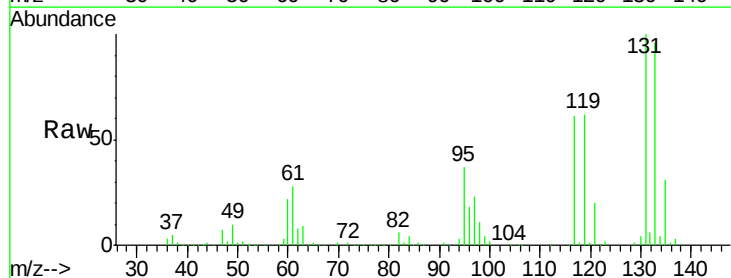
Manual Integrations
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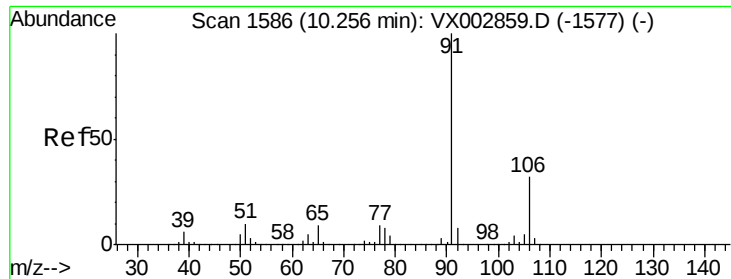
MMDadoda
6/28/2018 2:26:27 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.03 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.9	143.6
119	62.1	31.8	95.3





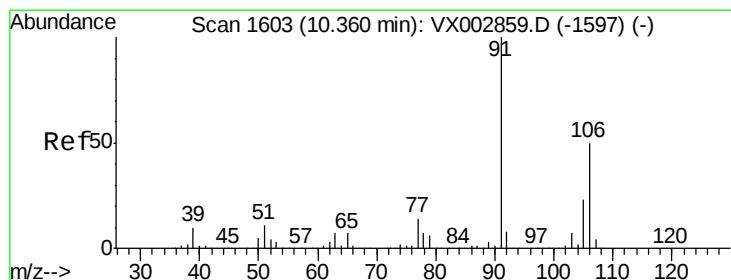
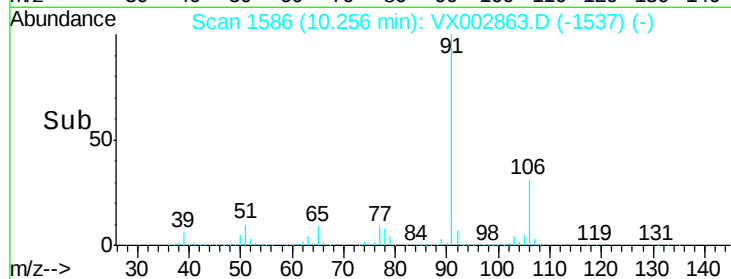
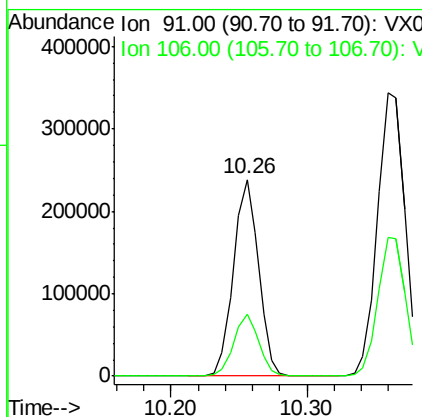
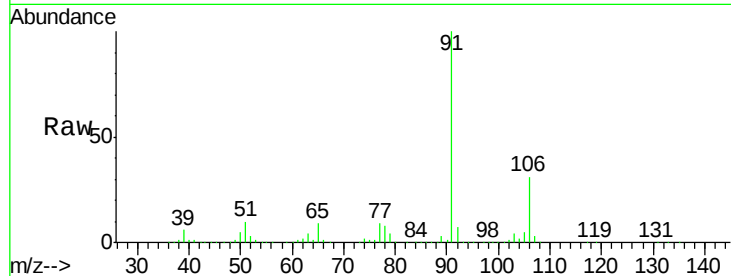
#67
Ethyl Benzene
Concen: 20.31 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 306886
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3

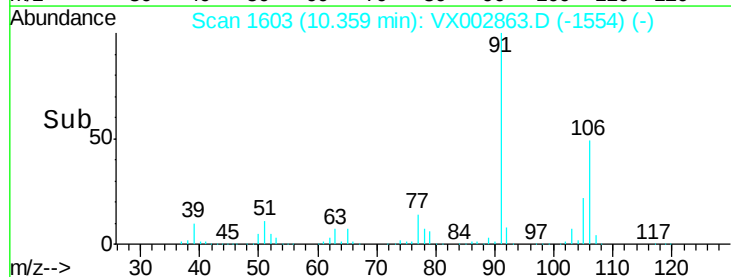
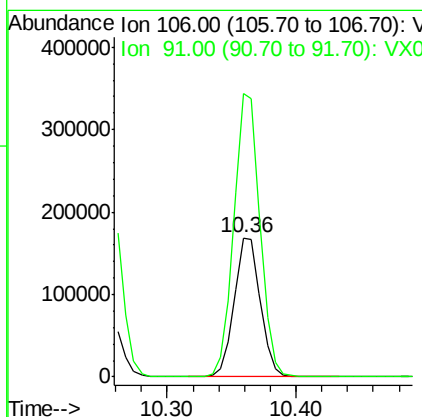
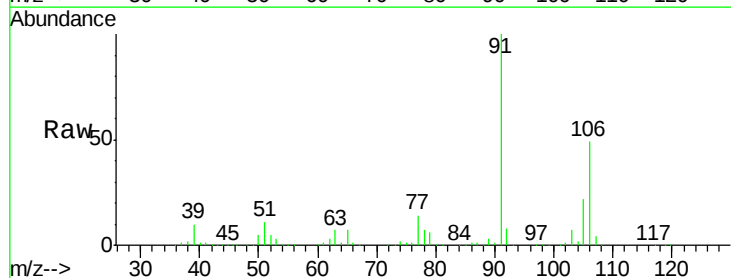
Manual Integrations
APPROVED

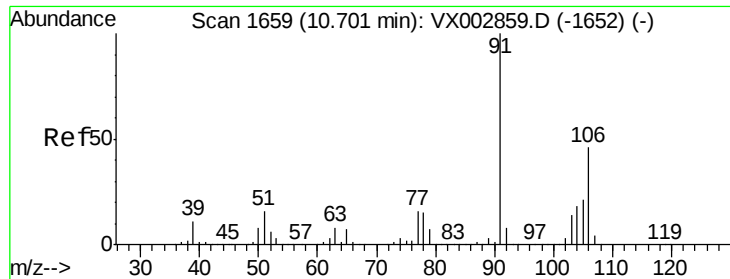
MMDadoda
6/28/2018 2:26:27 PM



#68
m/p-Xylenes
Concen: 40.74 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Tgt Ion: 106 Resp: 237486
Ion Ratio Lower Upper
106 100
91 203.8 163.4 245.2





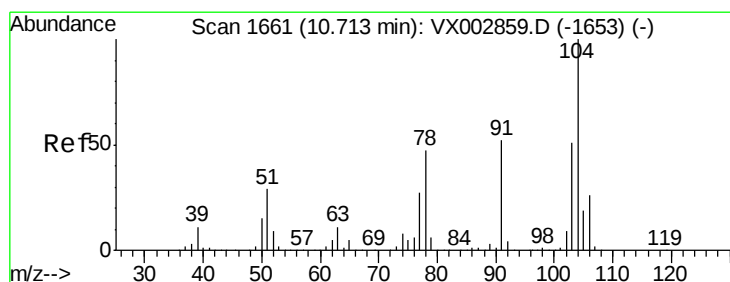
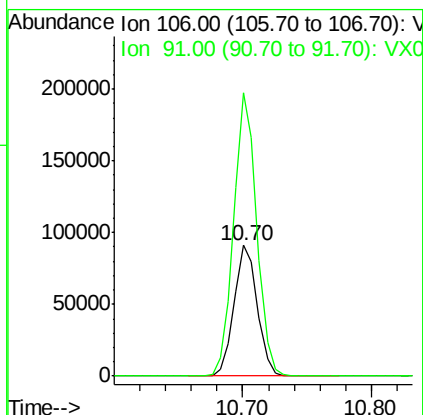
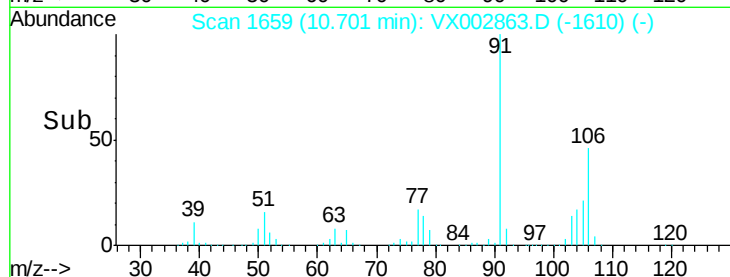
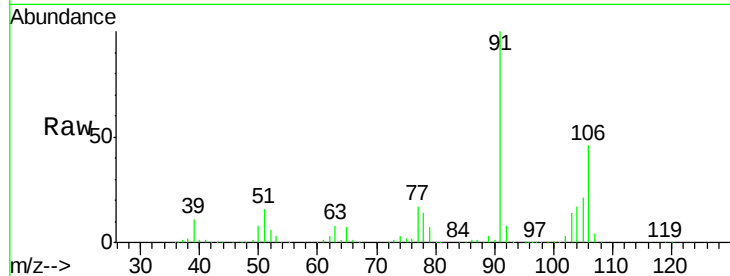
#69
o-Xylene
Concen: 20.12 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 115260
Ion Ratio Lower Upper
106 100
91 213.7 108.2 324.6

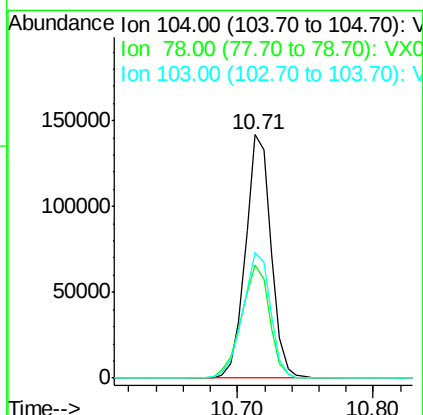
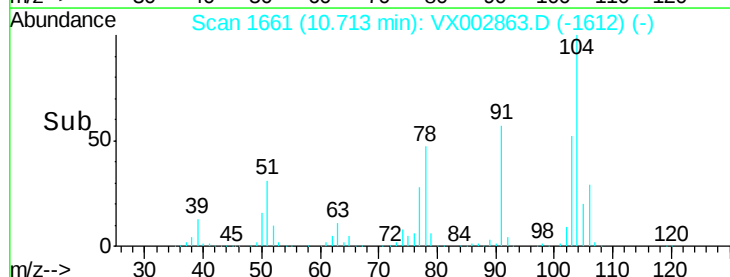
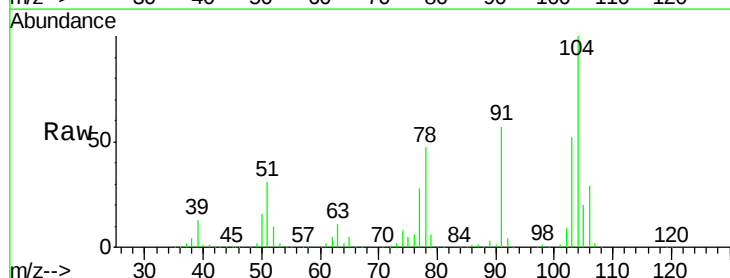
Manual Integrations
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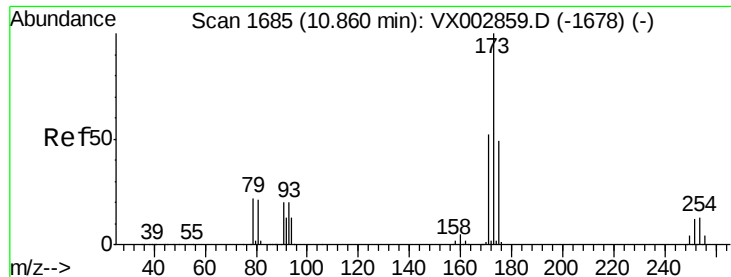
MMDadoda
6/28/2018 2:26:27 PM



#70
Styrene
Concen: 19.73 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Tgt Ion:104 Resp: 185857
Ion Ratio Lower Upper
104 100
78 51.5 41.0 61.6
103 56.2 44.2 66.4





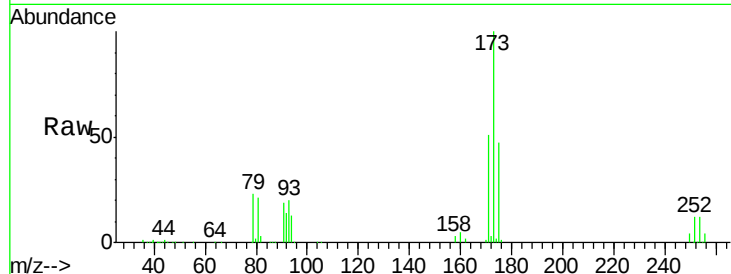
#71
Bromoform
Concen: 21.74 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.7	74.1
254	0.1	0.2	0.2

Manual Integrations
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MMDadoda
6/28/2018 2:26:27 PM

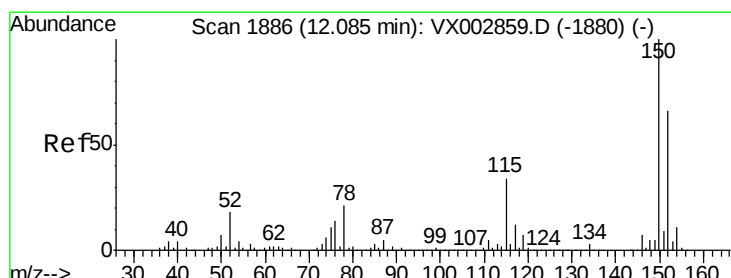
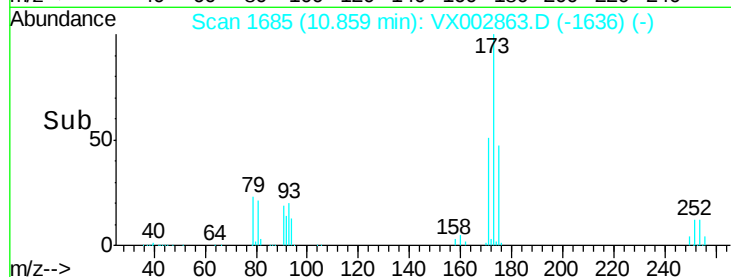
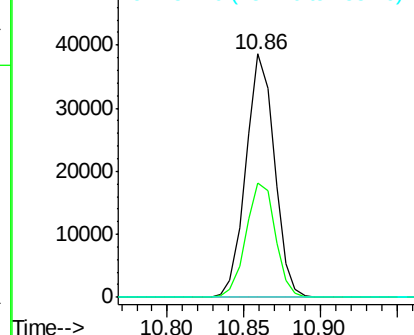


Abundance

Ion 172.70 (172.40 to 173.40): V

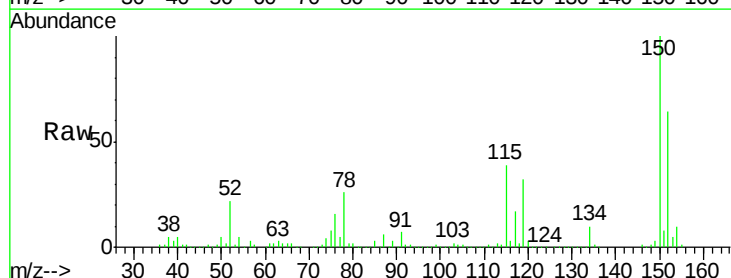
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	40.1	120.2
150	163.4	0.0	347.2

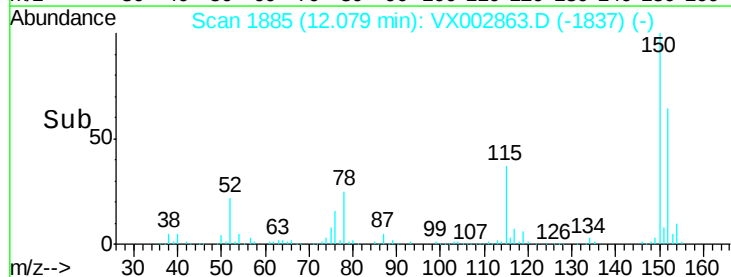
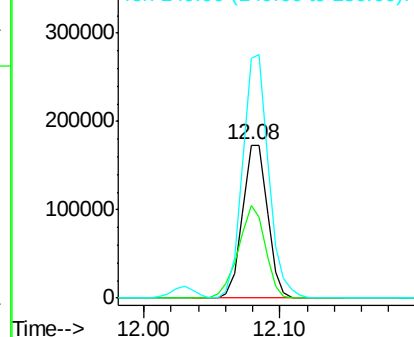


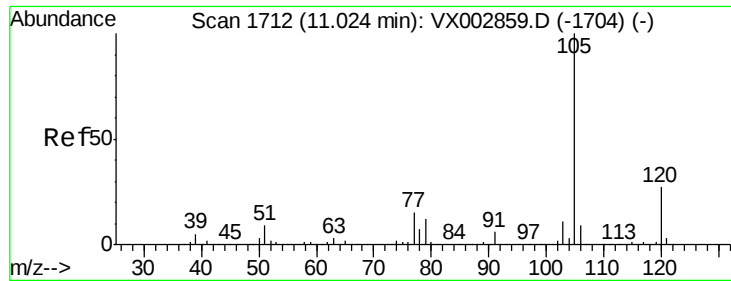
Abundance

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: 21.06 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 105 Resp: 314241

Ion Ratio Lower Upper

105 100

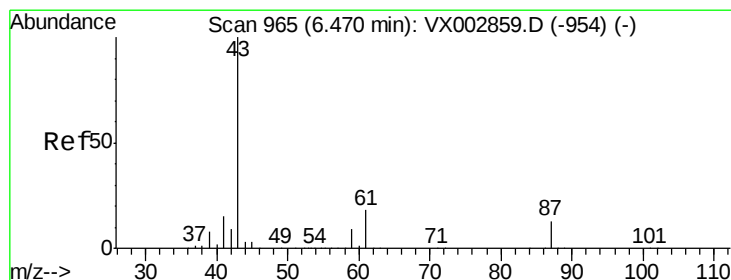
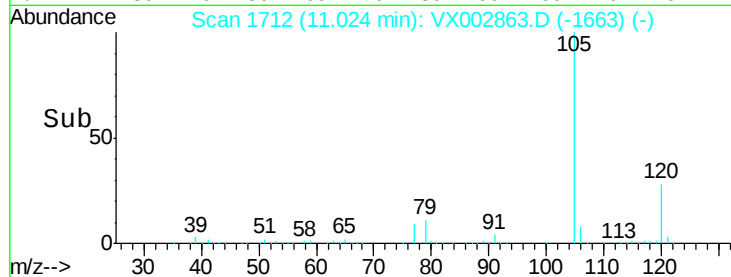
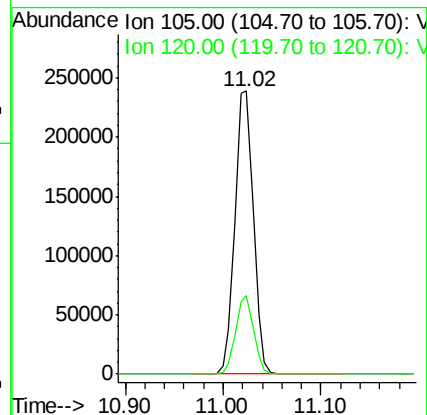
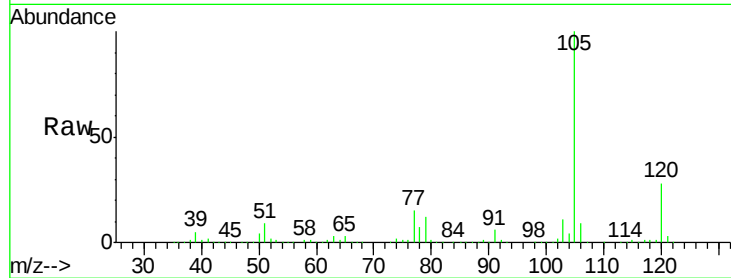
120 26.8 13.5 40.4

Manual Integrations

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6/28/2018 2:26:27 PM



#74

N-ethyl acetate

Concen: 20.05 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Tgt Ion: 43 Resp: 148642

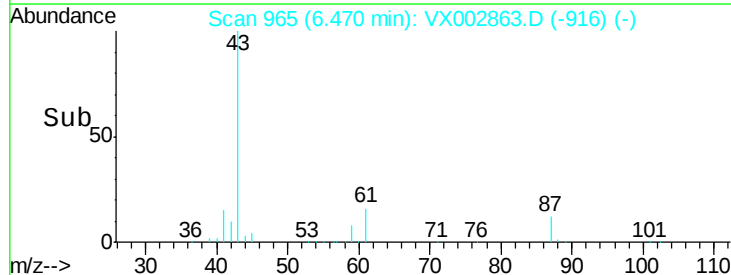
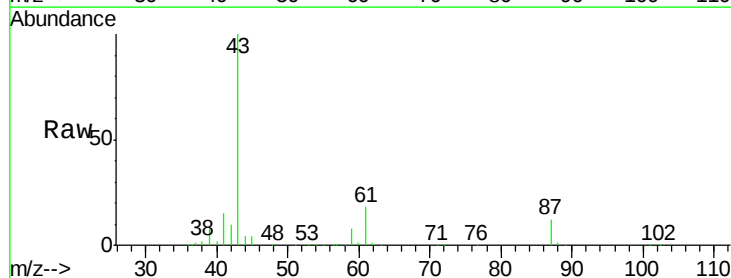
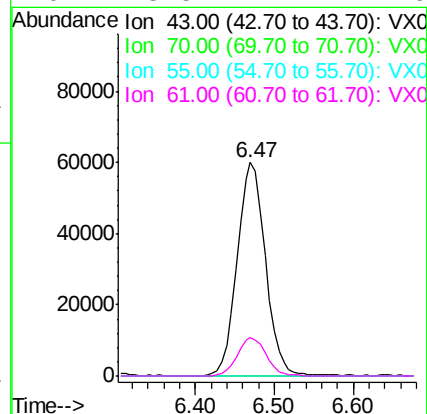
Ion Ratio Lower Upper

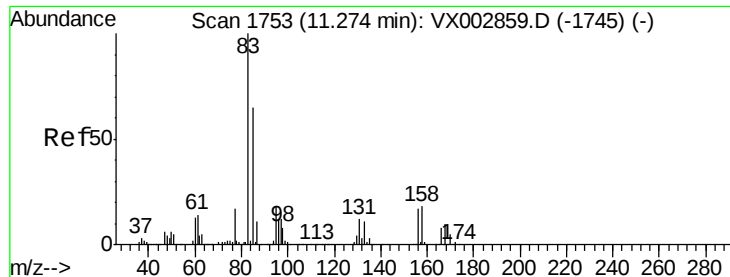
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.5 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.44 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

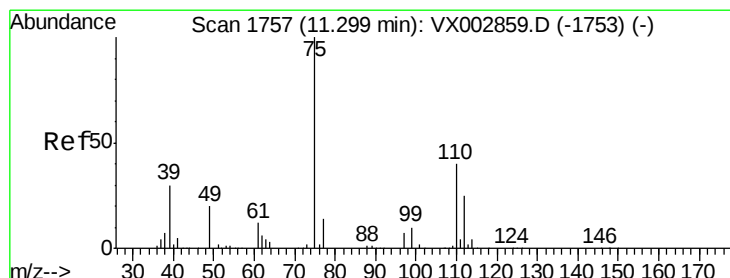
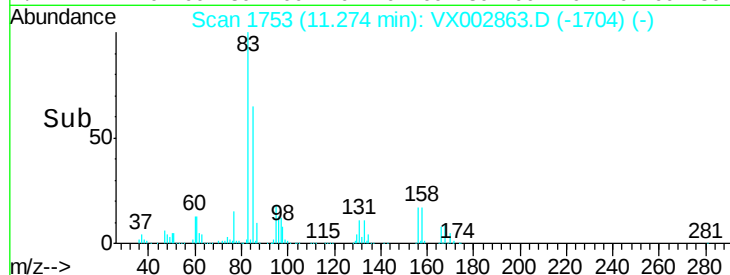
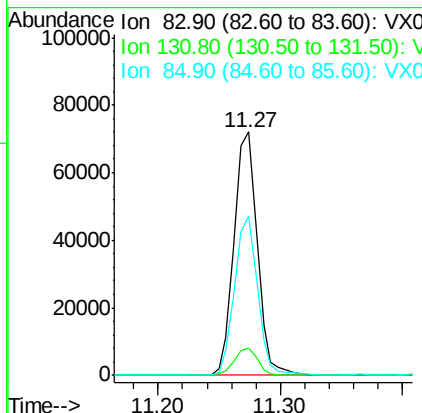
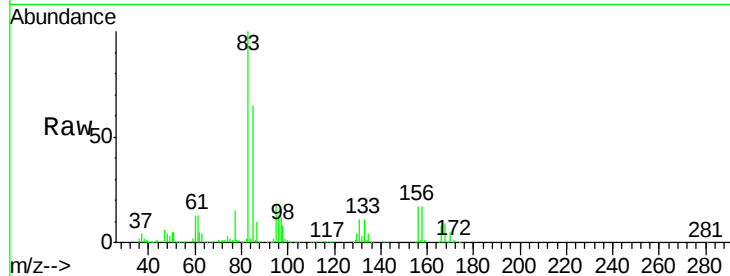
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	94501
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.6	16.8
85	64.9	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.67 ug/l m

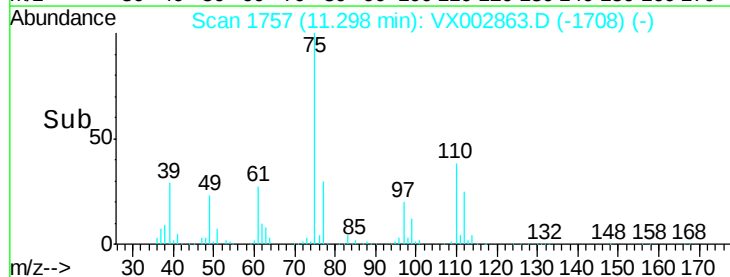
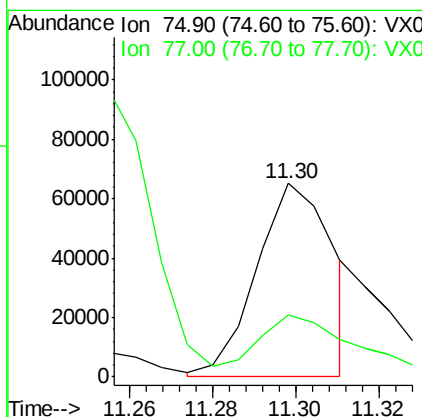
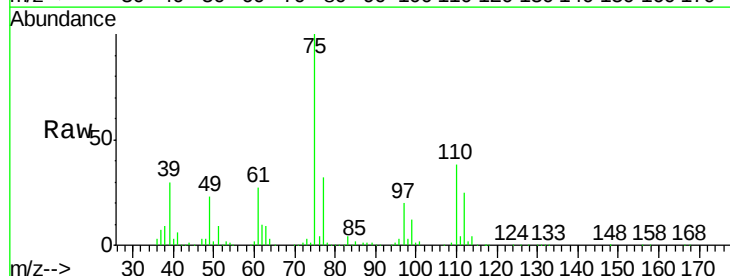
RT: 11.30 min Scan# 1757

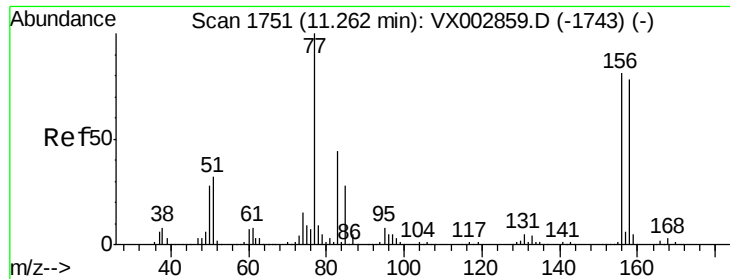
Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Tgt Ion:	75	Resp:	82803
Ion Ratio	Lower	Upper	
75	100		
77	41.3	22.8	68.3





#77

Bromobenzene

Concen: 20.60 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 85649

Ion Ratio Lower Upper

156 100

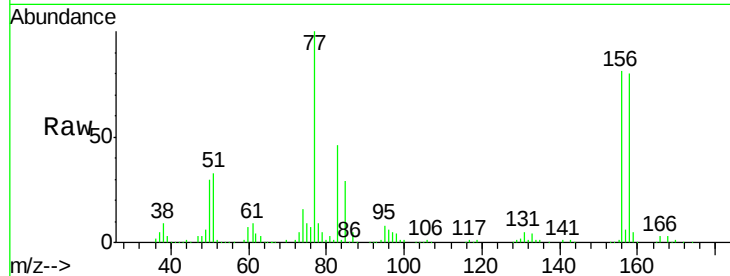
77 140.6 71.4 214.2

158 99.4 48.9 146.6

Manual Integrations
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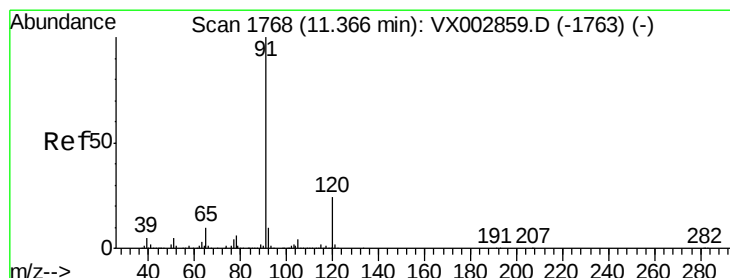
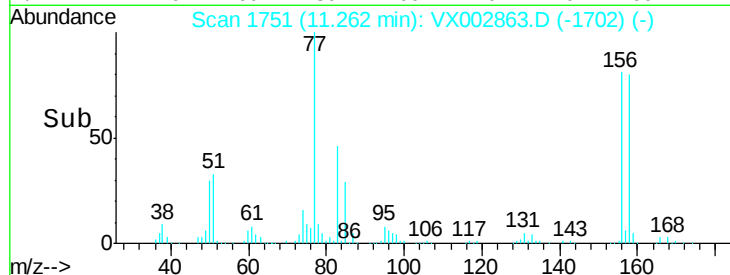
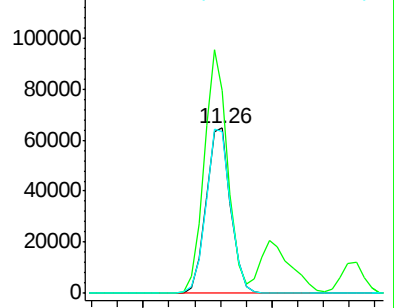
6/28/2018 2:26:27 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.92 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002863.D

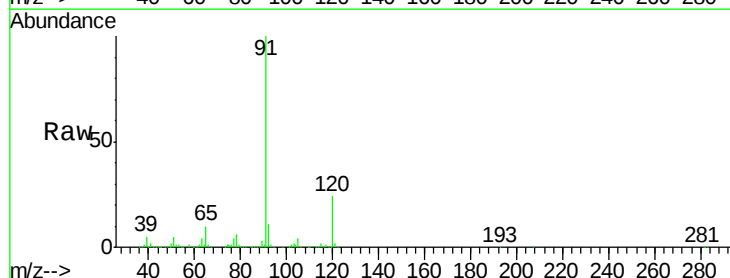
Acq: 25 Jun 2018 14:00

Tgt Ion: 91 Resp: 358064

Ion Ratio Lower Upper

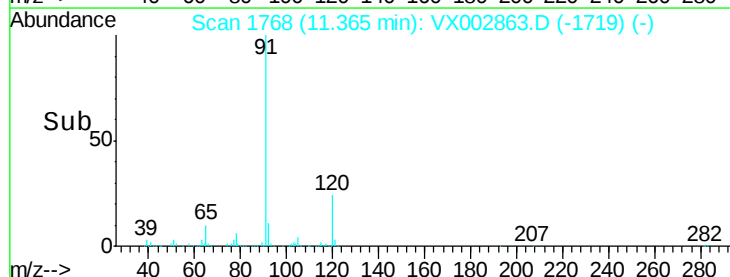
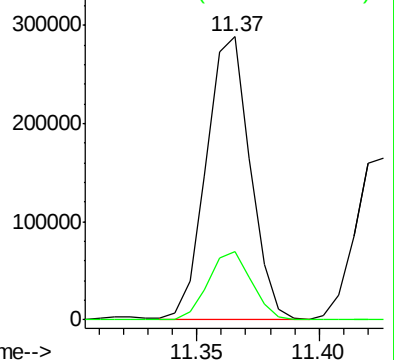
91 100

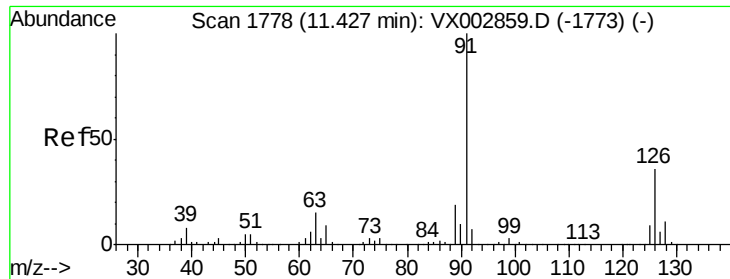
120 24.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.87 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 213282

Ion Ratio Lower Upper

91 100

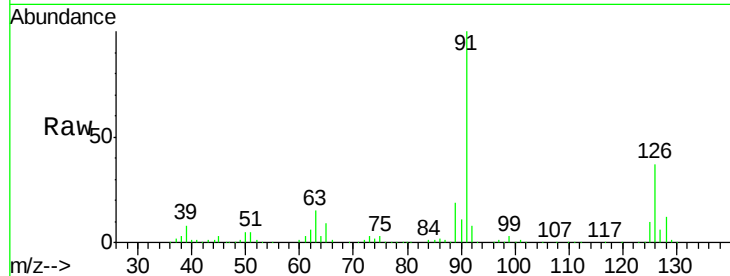
126 36.1 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX002859.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX002859.D (-1773) (-)

300000

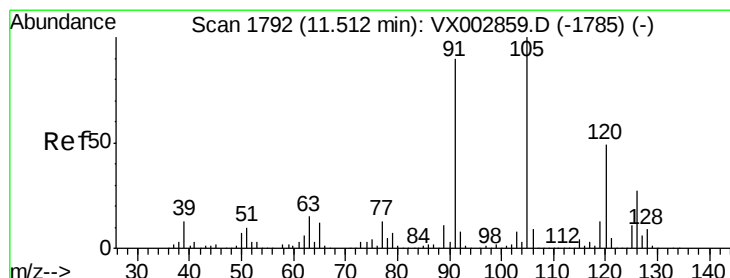
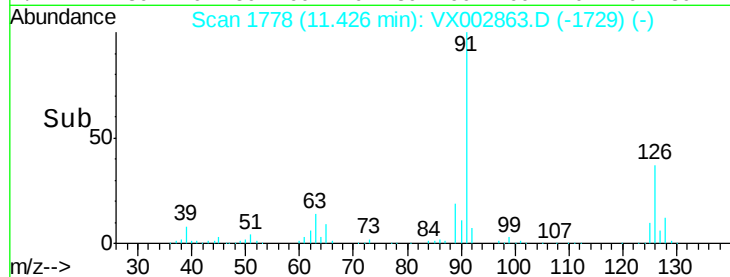
200000

100000

0

11.40 11.43 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.91 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002863.D

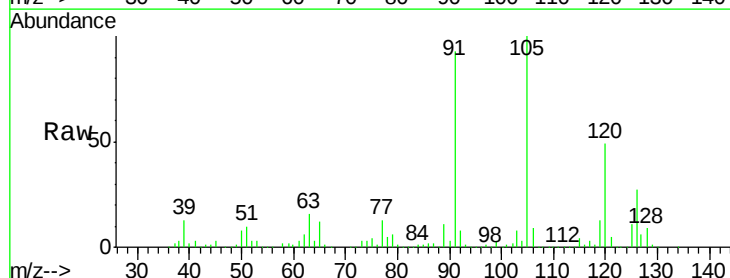
Acq: 25 Jun 2018 14:00

Tgt Ion: 105 Resp: 263677

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002859.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX002859.D (-1785) (-)

250000

200000

150000

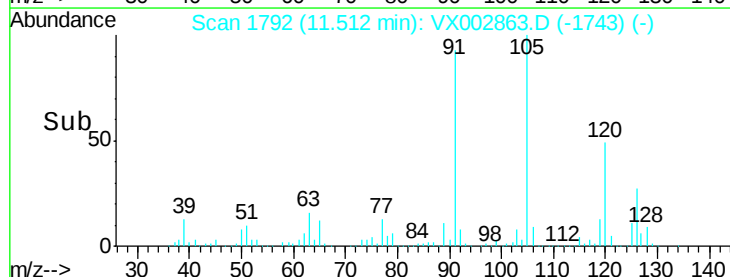
100000

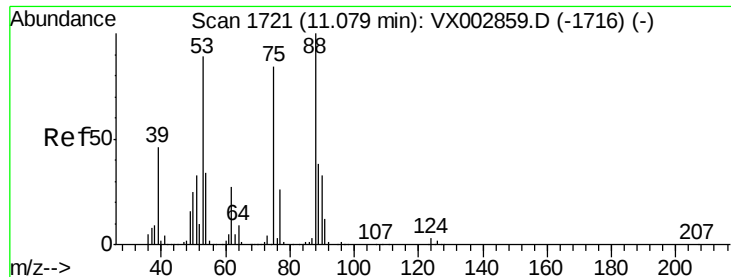
50000

0

11.45 11.50 11.55 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.58 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

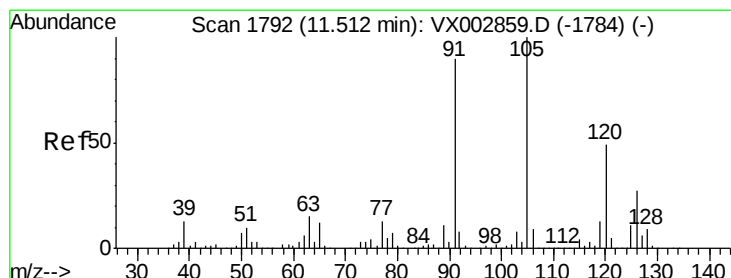
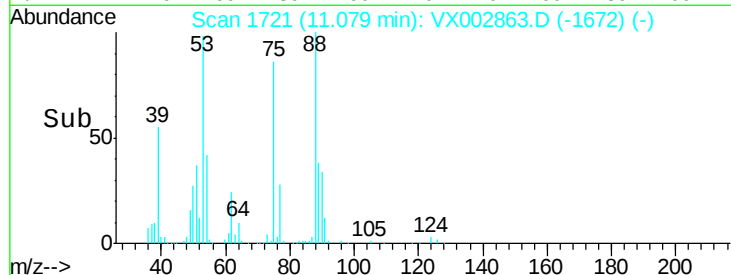
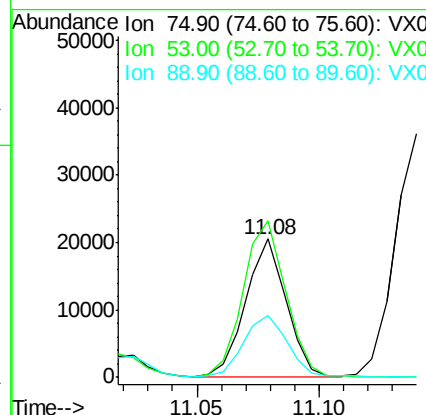
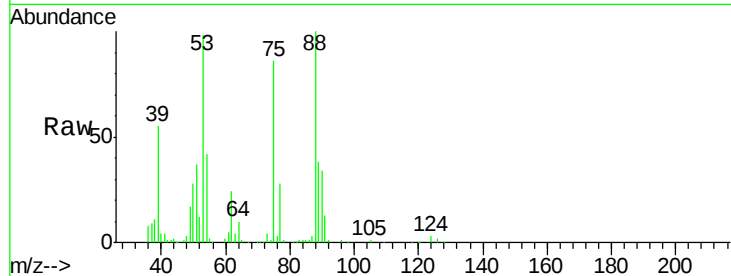
ClientSampleId :

VSTDIC020

Tot Ion	75	Resp	24014
Ion	Ratio	Lower	Upper
75	100		
53	117.6	86.8	130.2
89	48.3	38.2	57.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.90 ug/l

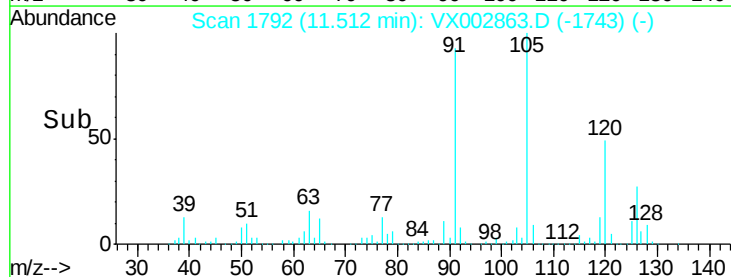
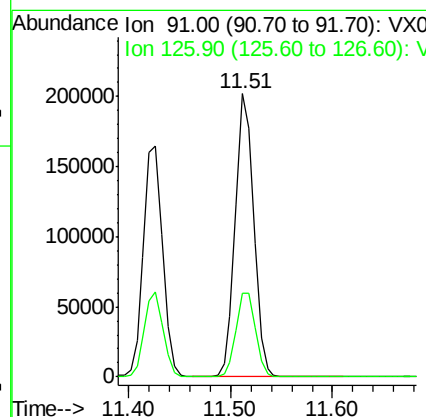
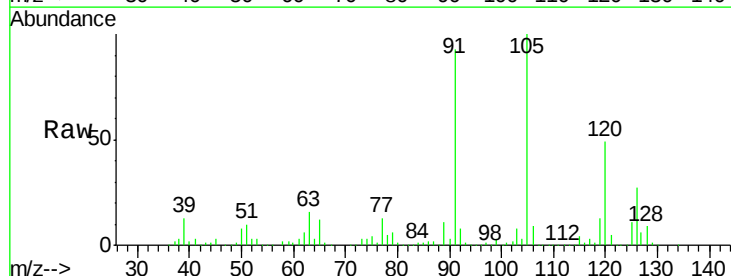
RT: 11.51 min Scan# 1792

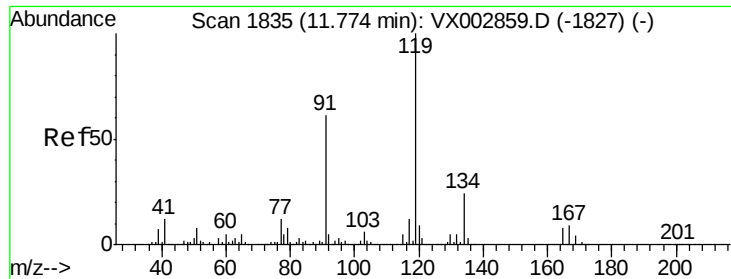
Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Tgt Ion	91	Resp	251972
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.4	46.4





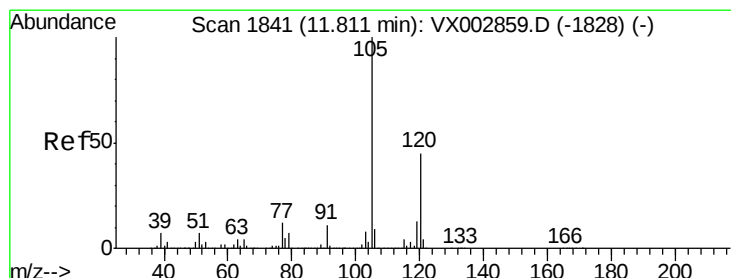
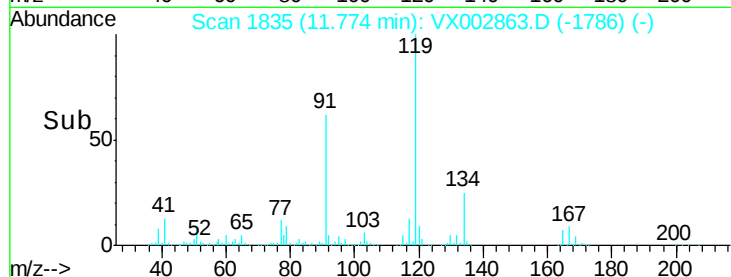
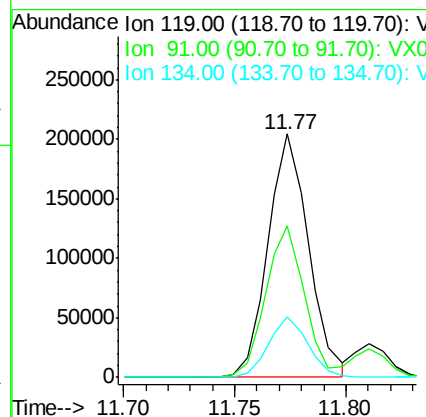
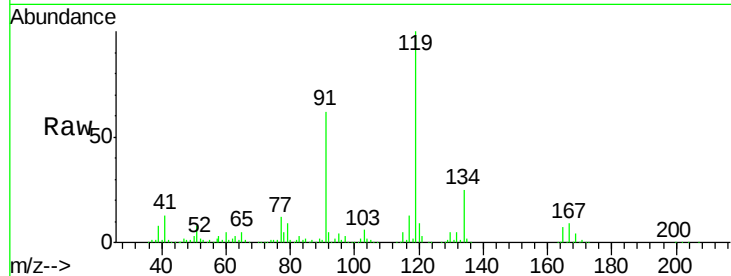
#83
 tert-Butylbenzene
 Concen: 21.30 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002863.D
 Acq: 25 Jun 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	258755		
91	59.9	30.3	90.9	
134	24.0	11.7	35.1	

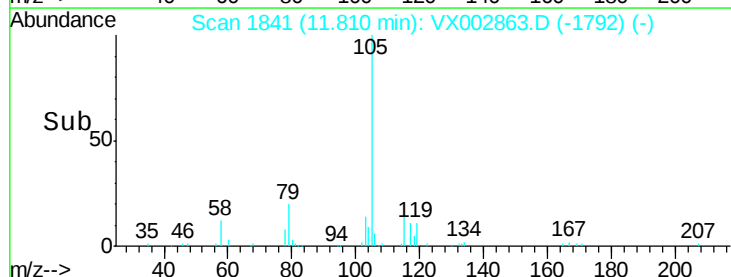
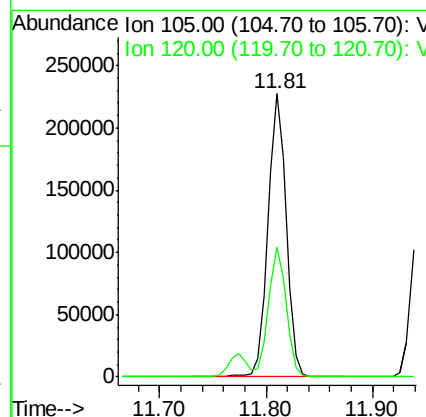
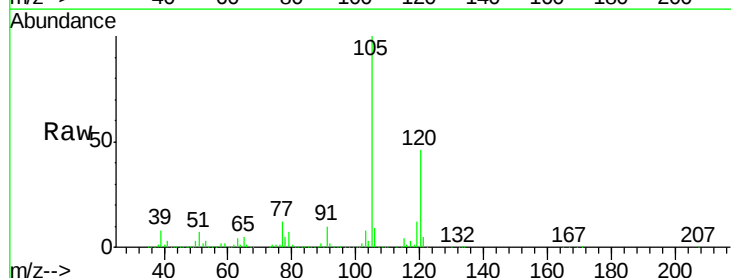
Manual Integrations
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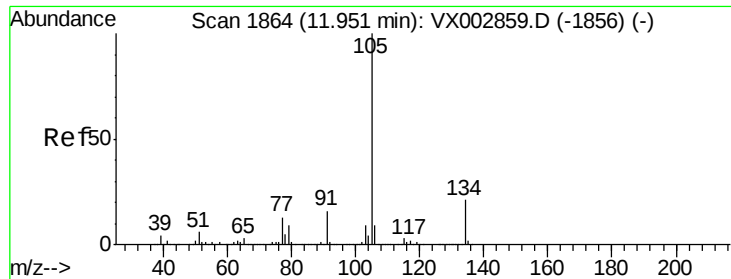
MMDadoda
 6/28/2018 2:26:27 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.26 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002863.D
 Acq: 25 Jun 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	273602		
120	45.1	22.3	66.8	





#85

sec-Butylbenzene

Concen: 20.91 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 315879

Ion Ratio Lower Upper

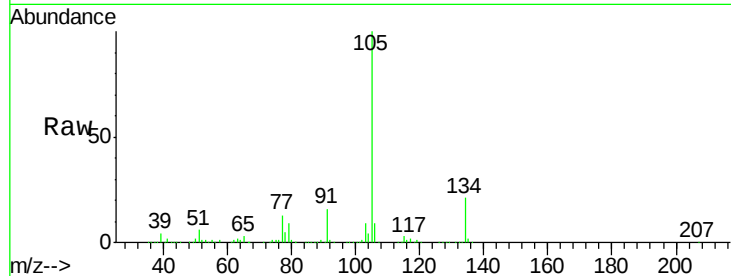
105 100

134 20.7 10.4 31.1

Manual Integrations
APPROVED

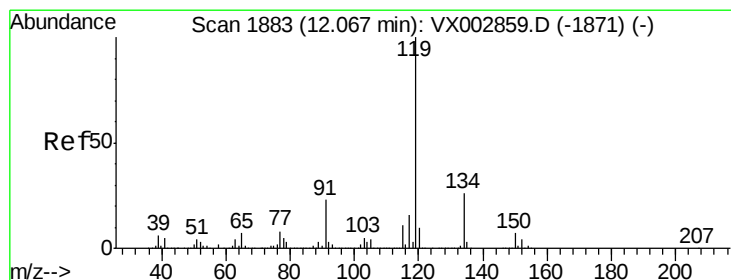
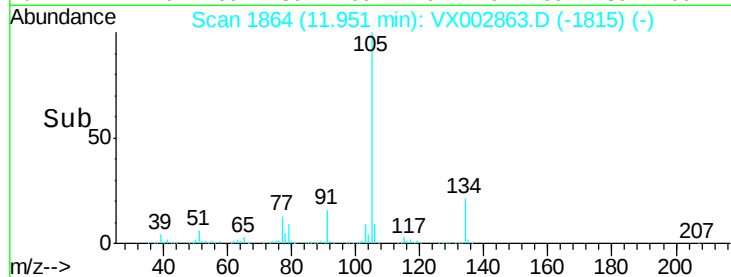
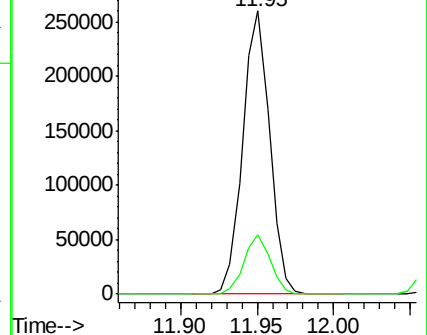
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.91 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

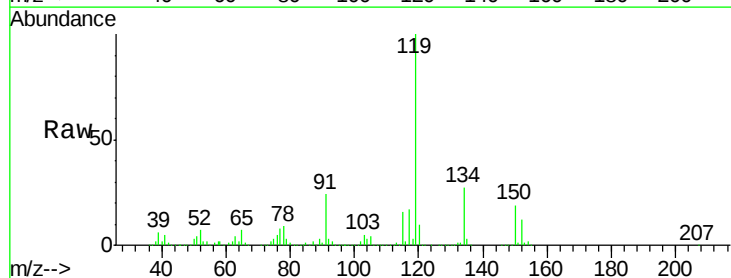
Tgt Ion:119 Resp: 285753

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

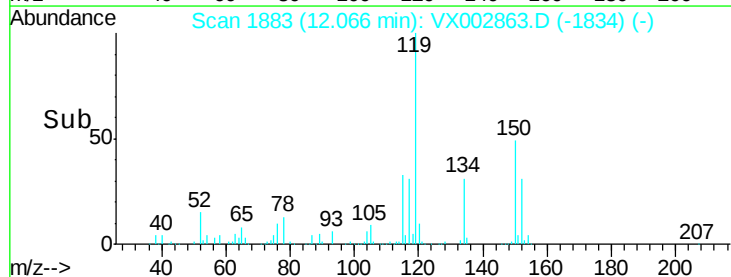
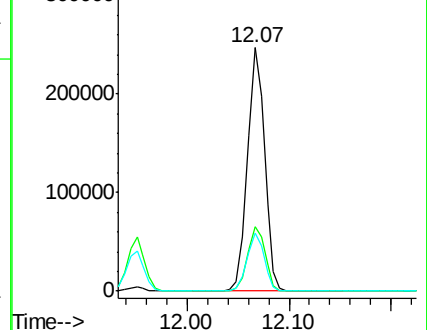
91 23.9 11.9 35.7

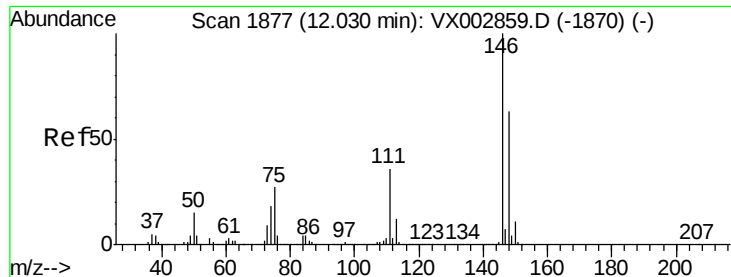


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





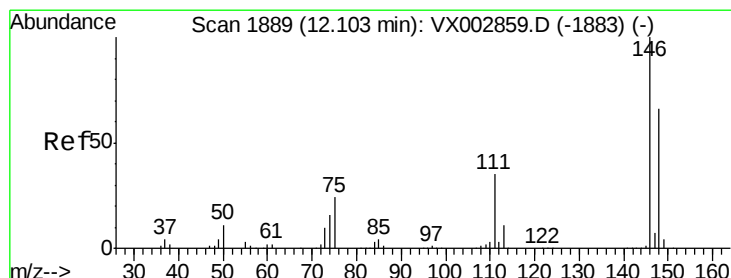
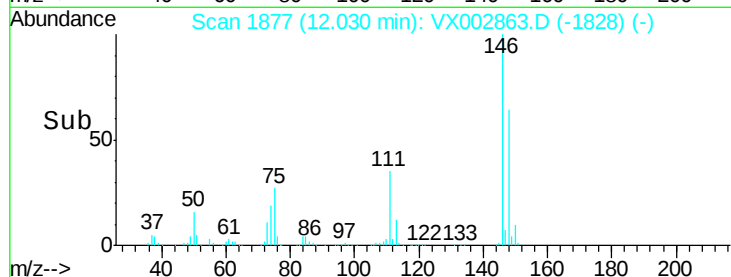
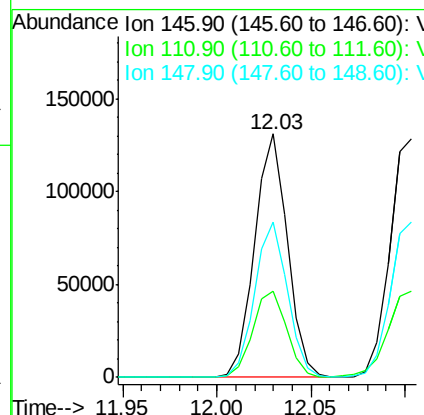
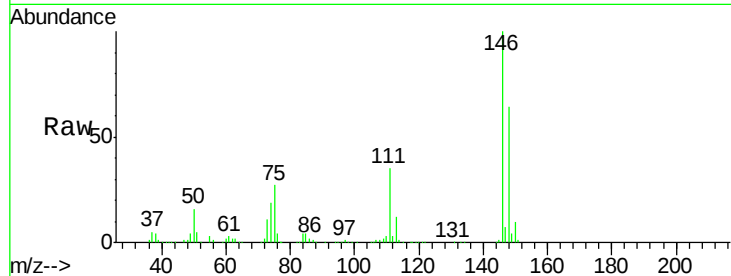
#87
 1,3-Dichlorobenzene
 Concen: 20.80 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002863.D
 Acq: 25 Jun 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.7
148	63.7	32.1	96.3

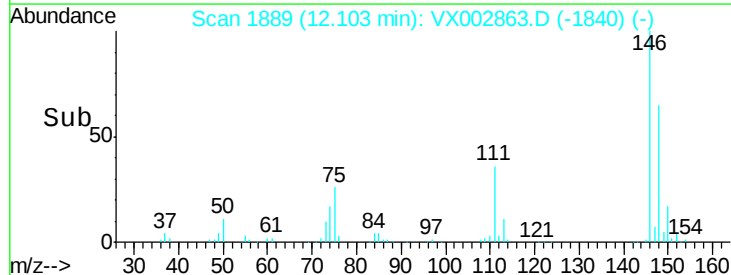
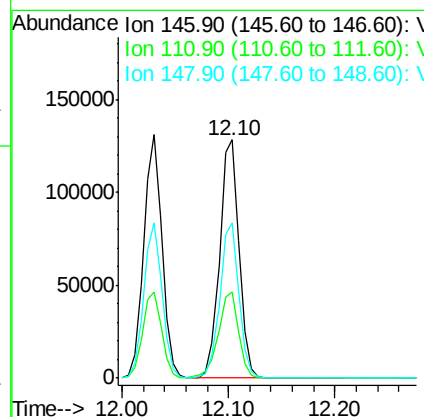
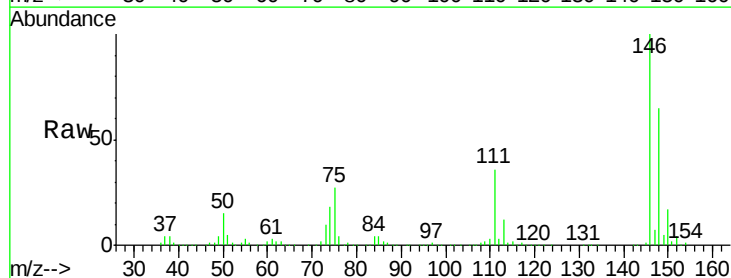
Manual Integrations
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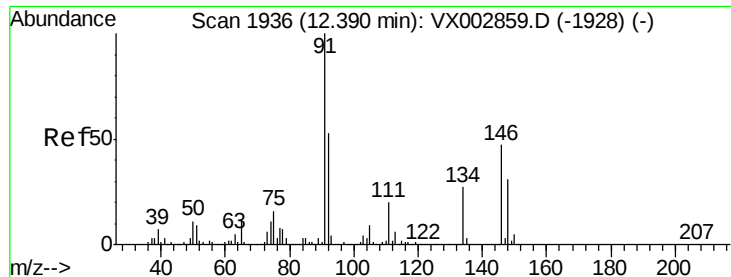
MMDadoda
 6/28/2018 2:26:27 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.76 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002863.D
 Acq: 25 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	64.3	32.4	97.0





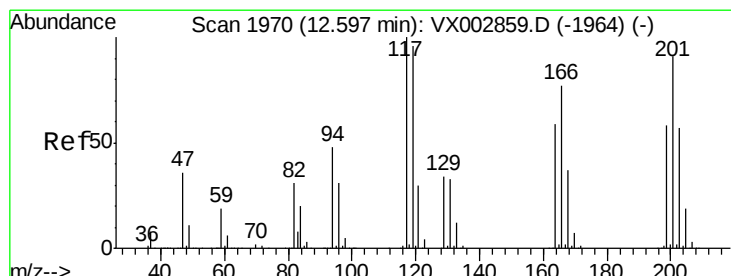
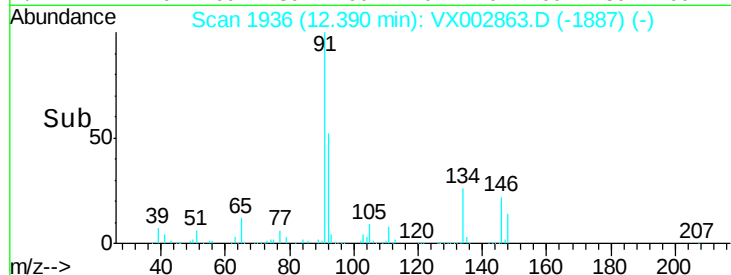
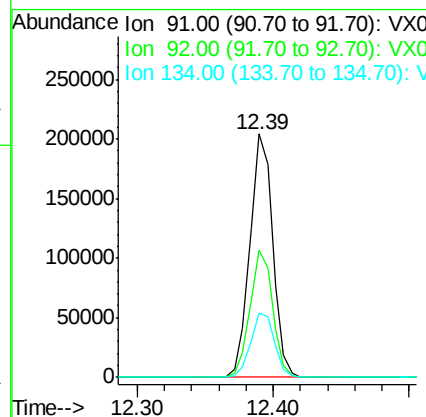
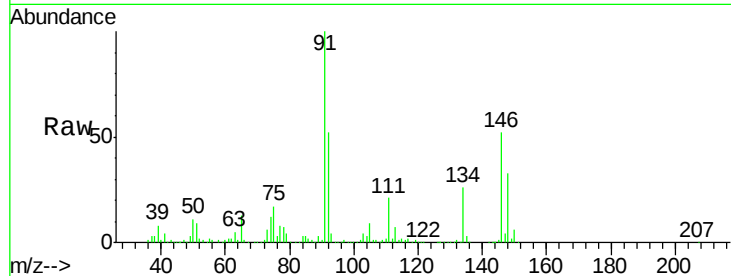
#89
n-Butylbenzene
Concen: 19.92 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.0	78.0
134	27.5	13.5	40.5

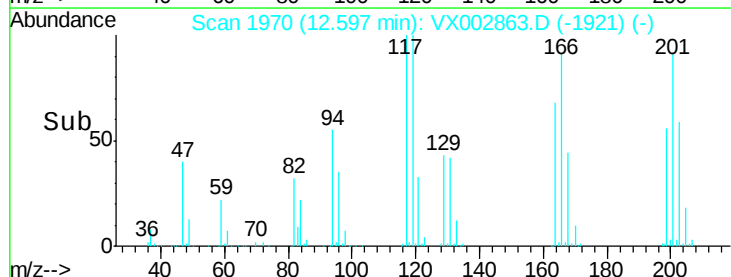
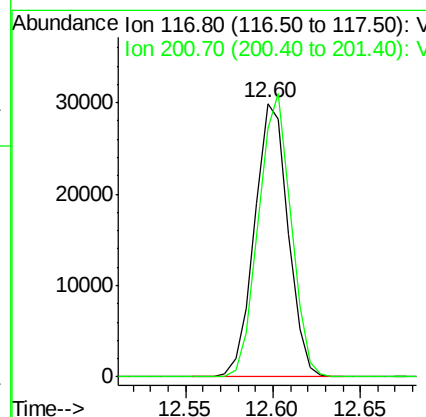
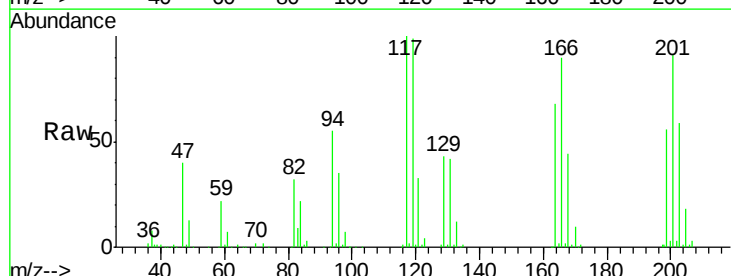
Manual Integrations
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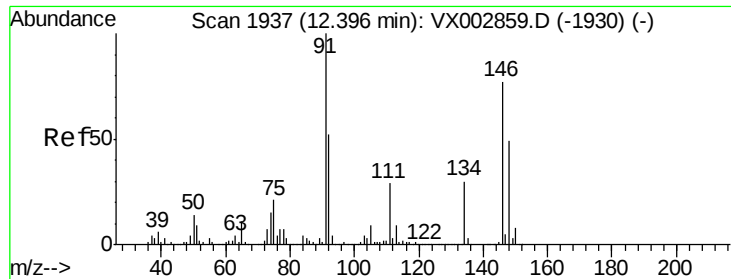
MMDadoda
6/28/2018 2:26:27 PM



#90
Hexachloroethane
Concen: 21.15 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX002863.D
Acq: 25 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.0	49.0	147.0





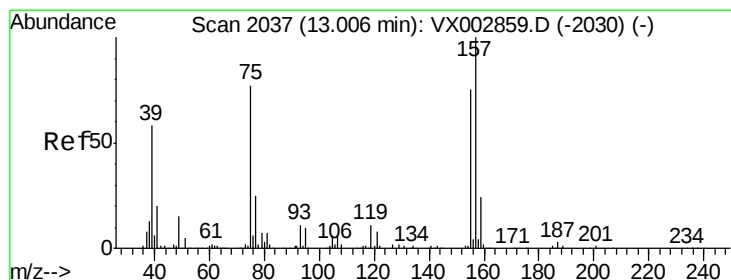
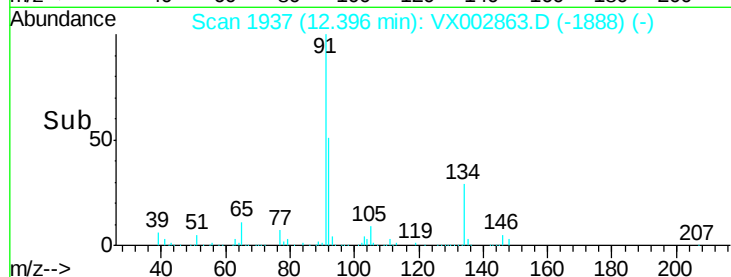
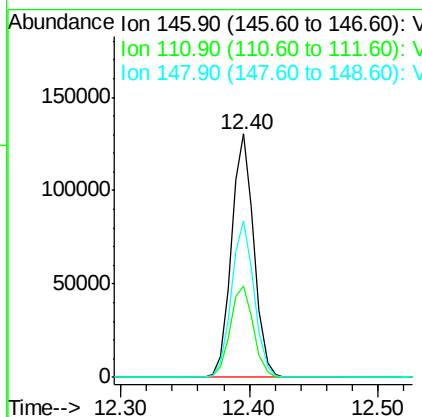
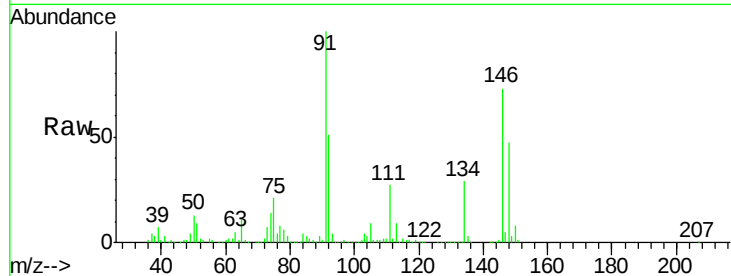
#91
 1,2-Dichlorobenzene
 Concen: 20.67 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002863.D
 Acq: 25 Jun 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	64.9	31.7	95.1

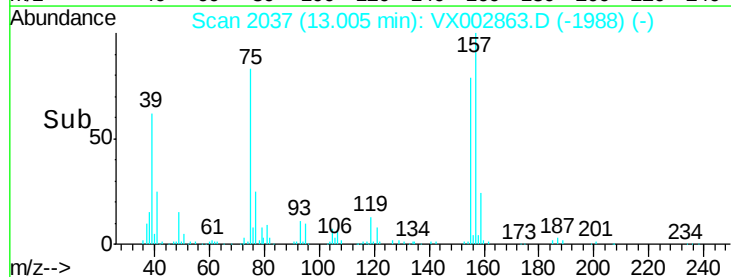
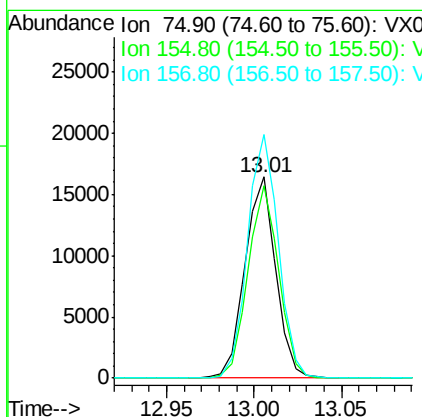
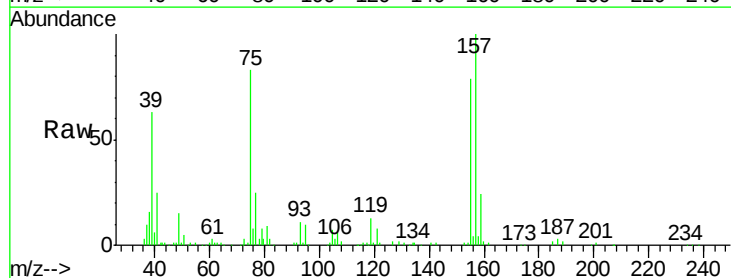
Manual Integrations
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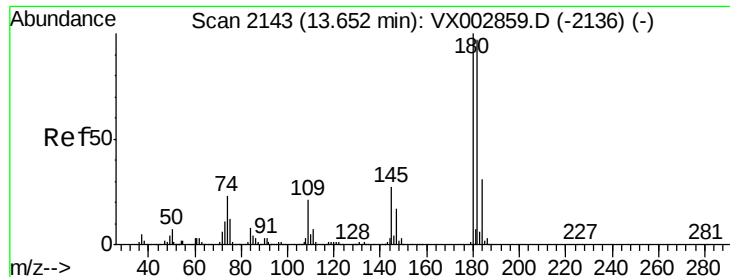
MMDadoda
 6/28/2018 2:26:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.69 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002863.D
 Acq: 25 Jun 2018 14:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.7	45.8	137.4
157	121.2	60.1	180.3





#93

1,2,4-Trichlorobenzene

Concen: 20.76 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

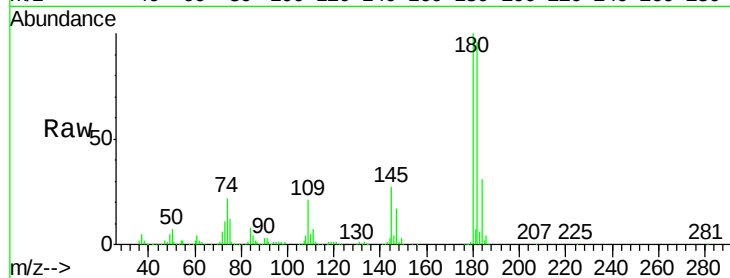
ClientSampleId :

VSTDIC020

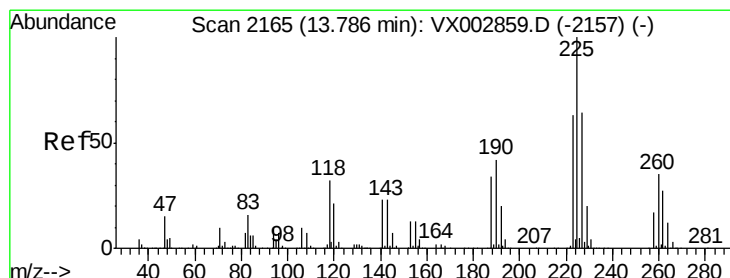
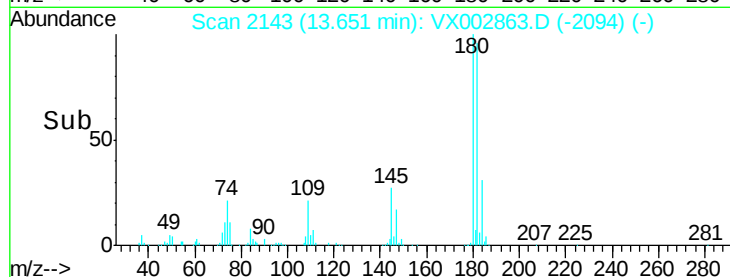
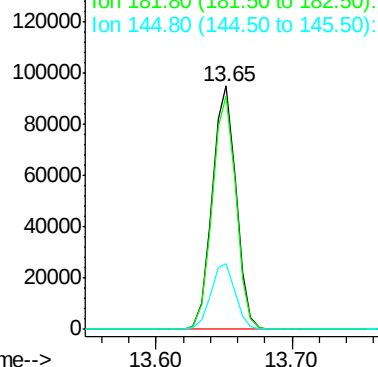
Tot Ion:	180	Resp:	115617
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.7	143.1
145	27.5	14.1	42.4

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.05 ug/l

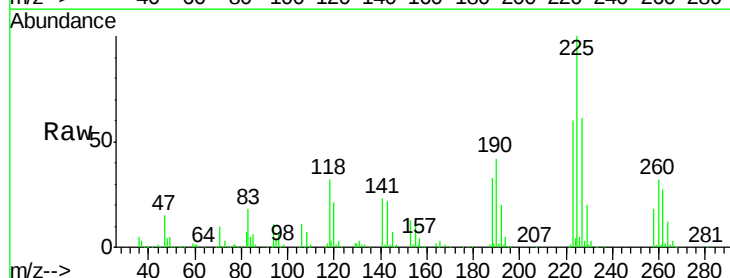
RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

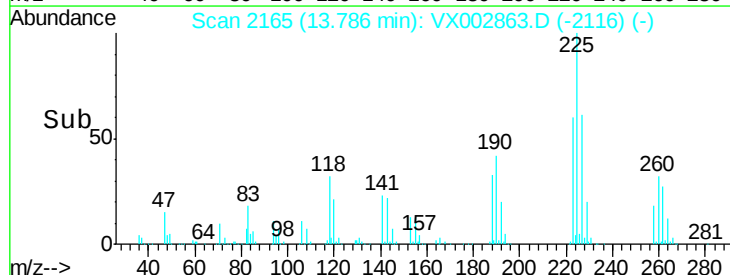
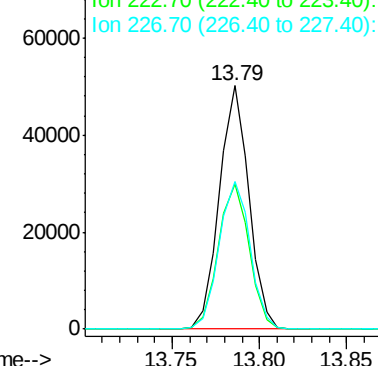
Lab File: VX002863.D

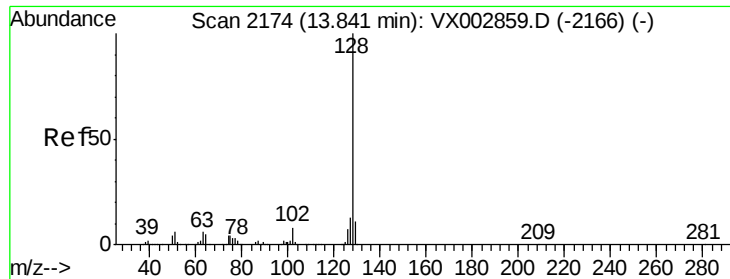
Acq: 25 Jun 2018 14:00

Tgt Ion:	225	Resp:	58811
Ion Ratio	Lower	Upper	
225	100		
223	62.3	31.6	95.0
227	64.1	32.4	97.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.31 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Instrument :

MSVOA_X

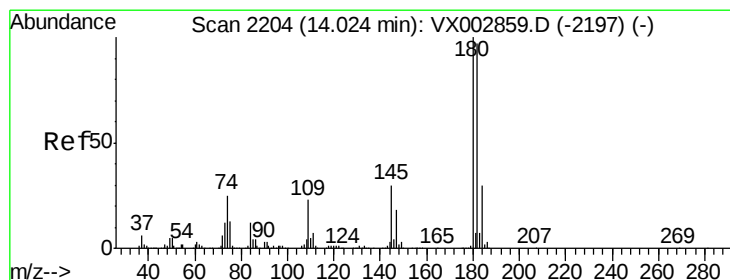
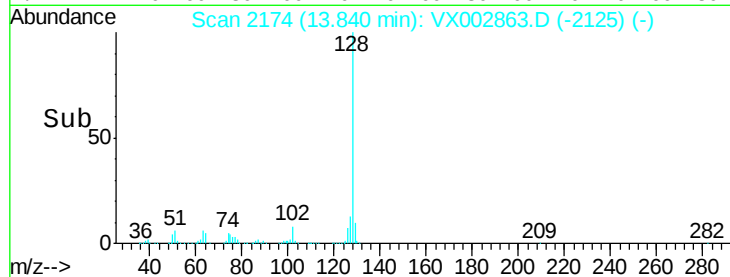
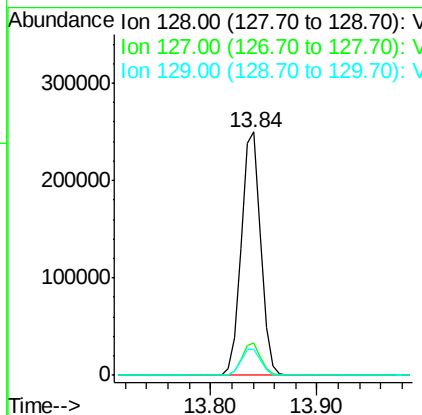
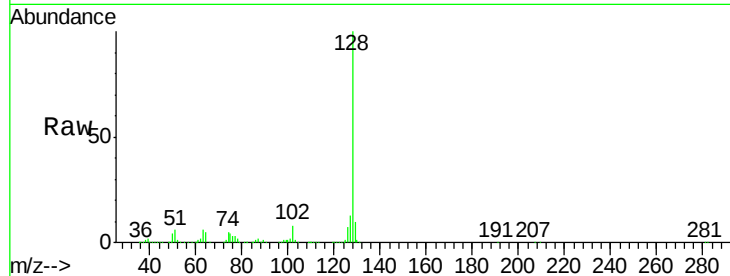
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	319350
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 21.02 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002863.D

Acq: 25 Jun 2018 14:00

Tgt Ion:	180	Resp:	117563
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.0	144.0
145	29.2	14.8	44.3

