

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062518\
 Data File : VX002858.D
 Acq On : 25 Jun 2018 11:47
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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 6/28/2018 2:26:25 PM

Quant Time: Jun 25 12:51:36 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	221579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	305562	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	295081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175403	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	61612	18.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.60%	
35) Dibromofluoromethane	5.51	113	47275	19.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.78%	
50) Toluene-d8	8.72	98	175749	18.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.96%	
62) 4-Bromofluorobenzene	11.14	95	63837	18.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	31765	13.50	ug/l	98
3) Chloromethane	1.32	50	36255	12.96	ug/l	98
4) Vinyl Chloride	1.40	62	38830	13.37	ug/l	94
5) Bromomethane	1.64	94	22981	13.12	ug/l	98
6) Chloroethane	1.73	64	26302	13.74	ug/l	99
7) Trichlorofluoromethane	1.93	101	66980	14.20	ug/l	100
8) Diethyl Ether	2.19	74	24320	13.55	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	36964	14.02	ug/l	97
10) Methyl Iodide	2.51	142	30394	9.36	ug/l	98
11) Tert butyl alcohol	3.07	59	50560	72.64	ug/l	97
12) 1,1-Dichloroethene	2.37	96	34642	13.99	ug/l	98
13) Acrolein	2.29	56	32035	90.76	ug/l	98
14) Allyl chloride	2.73	41	70100	14.26	ug/l	98
15) Acrylonitrile	3.15	53	107420	70.72	ug/l	99
16) Acetone	2.45	43	108651	73.14	ug/l	99
17) Carbon Disulfide	2.57	76	88880	15.14	ug/l	99
18) Methyl Acetate	2.78	43	62536	15.80	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	126617	13.63	ug/l	98
20) Methylene Chloride	2.86	84	40335	13.24	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	37425	13.93	ug/l	95
22) Diisopropyl ether	3.87	45	127879	14.38	ug/l	94
23) Vinyl Acetate	3.83	43	550627	73.97	ug/l	99
24) 1,1-Dichloroethane	3.70	63	71358	14.78	ug/l	99
25) 2-Butanone	4.71	43	154240	79.06	ug/l	100
26) 2,2-Dichloropropane	4.59	77	56661	16.34	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	42453	15.53	ug/l	84
28) Bromochloromethane	5.03	49	27665	12.24	ug/l	95
29) Tetrahydrofuran	5.17	42	95199	74.46	ug/l	96
30) Chloroform	5.22	83	73735	15.84	ug/l	92
31) Cyclohexane	5.57	56	58774	14.79	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	63095	16.21	ug/l	99
36) 1,1-Dichloropropene	5.81	75	51025	15.72	ug/l	99
37) Ethyl Acetate	4.87	43	57615	15.69	ug/l	98
38) Carbon Tetrachloride	5.79	117	55770	17.26	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	58844	15.51	ug/l	97
40) Benzene	6.15	78	152910	15.71	ug/l	99
41) Methacrylonitrile	5.07	41	33593	16.20	ug/l	98
42) 1,2-Dichloroethane	6.20	62	63042	16.73	ug/l	100
43) Isopropyl Acetate	6.47	43	92120	15.14	ug/l	98
44) Trichloroethene	7.21	130	45370	16.15	ug/l	97
45) 1,2-Dichloropropane	7.52	63	40778	15.92	ug/l	98
46) Dibromomethane	7.66	93	28595	16.69	ug/l	98
47) Bromodichloromethane	7.90	83	51012	16.88	ug/l #	96
48) Methyl methacrylate	7.78	41	48232	15.51	ug/l	97
49) 1,4-Dioxane	7.76	88	19799	336.18	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	299868	76.74	ug/l	99
52) Toluene	8.79	92	98115	15.81	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	59009	16.60	ug/l	97
54) cis-1,3-Dichloropropene	9.04	75	54001	16.40	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	41523	16.55	ug/l	97
56) Ethyl methacrylate	9.18	69	58056	15.04	ug/l	97
57) 1,3-Dichloropropane	9.38	76	68030	16.04	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	209004	111.95	ug/l	98
59) 2-Hexanone	9.50	43	230302	78.22	ug/l	99
60) Dibromochloromethane	9.59	129	40939	16.91	ug/l	99
61) 1,2-Dibromoethane	9.68	107	42530	16.37	ug/l	100
64) Tetrachloroethene	9.34	164	50048	15.28	ug/l	98
65) Chlorobenzene	10.14	112	113050	15.60	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	41020	16.60	ug/l	100
67) Ethyl Benzene	10.26	91	187076	15.31	ug/l	97
68) m/p-Xylenes	10.36	106	143282	30.39	ug/l	99
69) o-Xylene	10.70	106	70892	15.30	ug/l	98
70) Styrene	10.71	104	112517	14.77	ug/l	99
71) Bromoform	10.86	173	30648	16.51	ug/l #	99
73) Isopropylbenzene	11.02	105	187770	16.01	ug/l	98
74) N-amyl acetate	6.47	43	92120	15.80	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	58698	16.94	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	52362m	15.82	ug/l	
77) Bromobenzene	11.26	156	53162	16.27	ug/l	98
78) n-propylbenzene	11.37	91	214439	15.94	ug/l	100
79) 2-Chlorotoluene	11.42	91	129861	16.17	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	158430	15.98	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	14125	16.15	ug/l	89
82) 4-Chlorotoluene	11.51	91	151892	16.03	ug/l	99
83) tert-Butylbenzene	11.77	119	155128	16.24	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	163447	16.16	ug/l	98
85) sec-Butylbenzene	11.95	105	186174	15.68	ug/l	99
86) p-Isopropyltoluene	12.07	119	167198	15.56	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	95570	15.95	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	97908	16.05	ug/l	100
89) n-Butylbenzene	12.39	91	141639	14.94	ug/l	100
90) Hexachloroethane	12.60	117	23433	15.80	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	97539	16.17	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	11916	16.42	ug/l	100

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ClientSampleId :
VSTDICC020

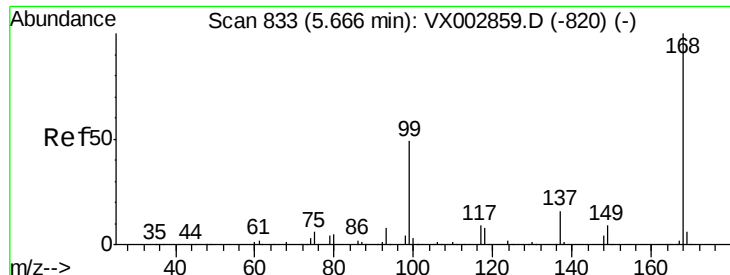
Manual Integrations
APPROVED

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6/28/2018 2:26:25 PM

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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	68484	15.64	ug/l	99
94) Hexachlorobutadiene	13.79	225	34569	14.99	ug/l	99
95) Naphthalene	13.84	128	187662	15.93	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	70940	16.13	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: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 221579

Ion Ratio Lower Upper

168 100

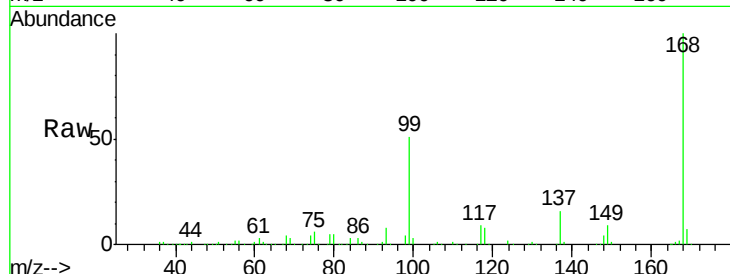
99 51.2 39.3 58.9

Manual Integrations

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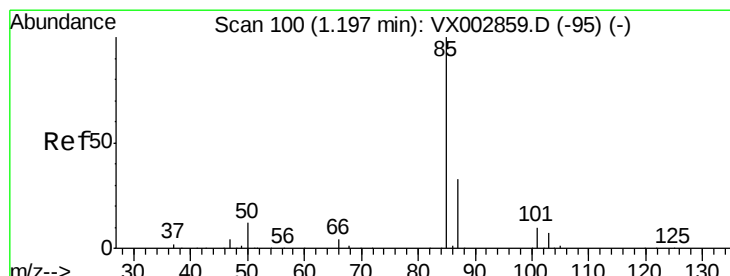
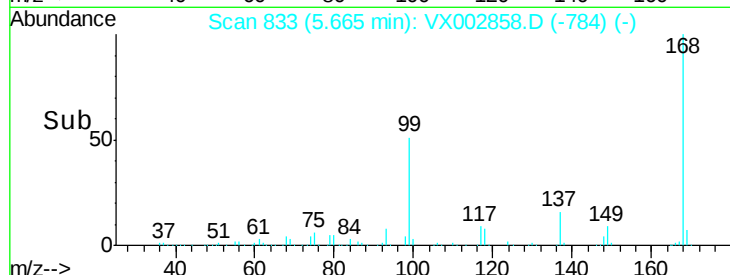
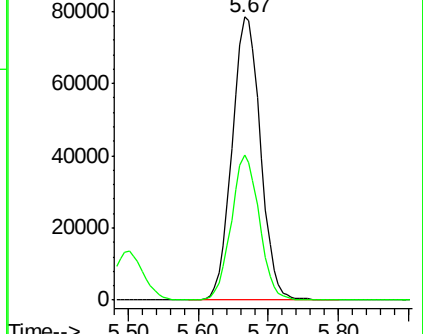
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 13.50 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002858.D

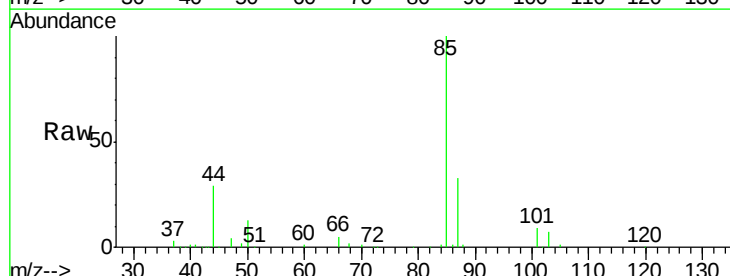
Acq: 25 Jun 2018 11:47

Tgt Ion: 85 Resp: 31765

Ion Ratio Lower Upper

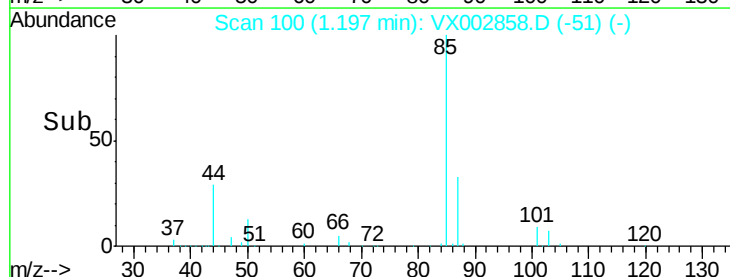
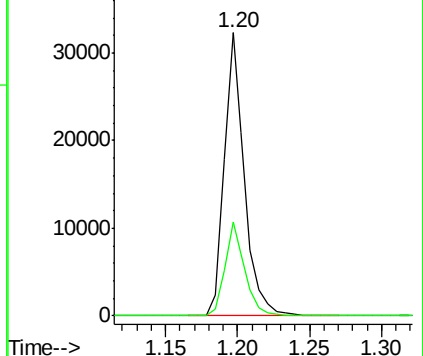
85 100

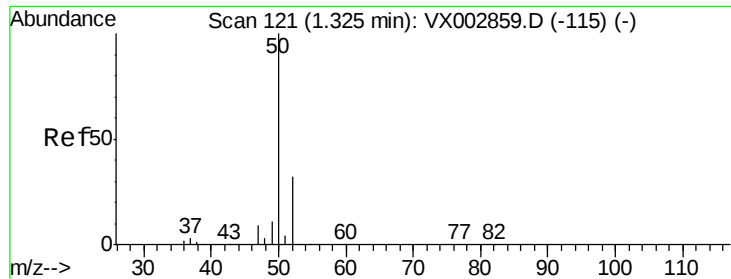
87 33.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 12.96 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 36255

Ion Ratio Lower Upper

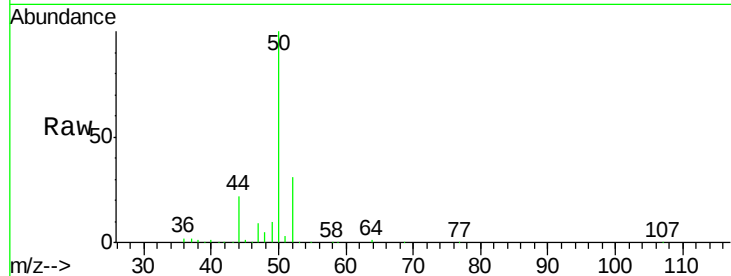
50 100

52 31.2 25.7 38.5

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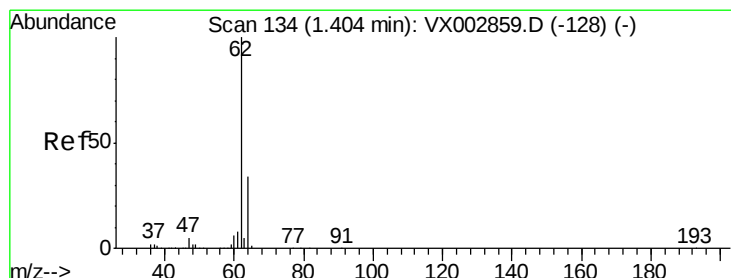
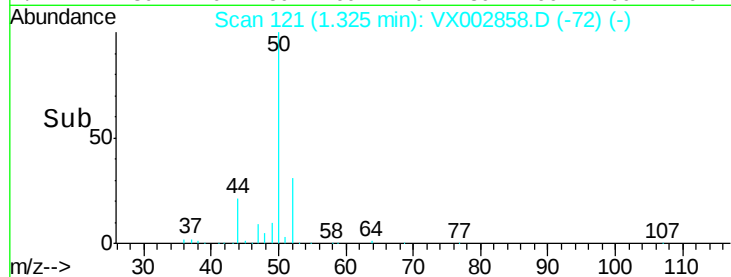
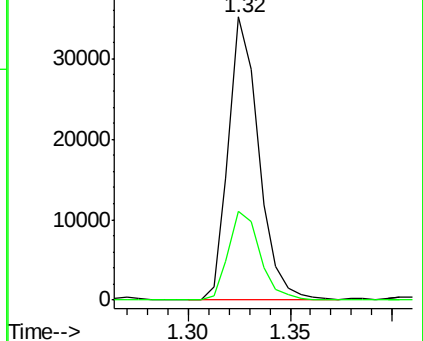
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 13.37 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002858.D

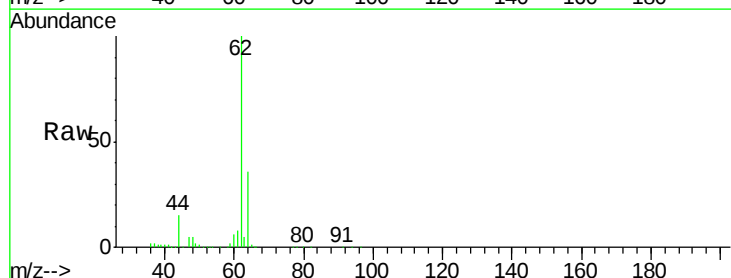
Acq: 25 Jun 2018 11:47

Tgt Ion: 62 Resp: 38830

Ion Ratio Lower Upper

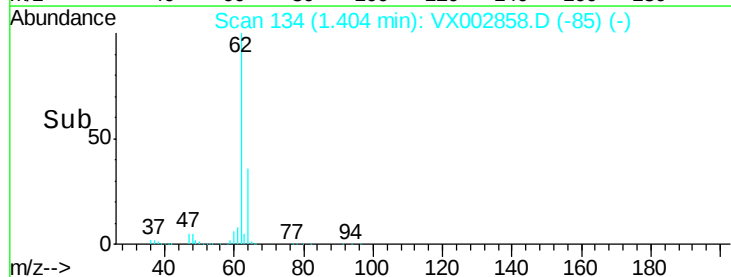
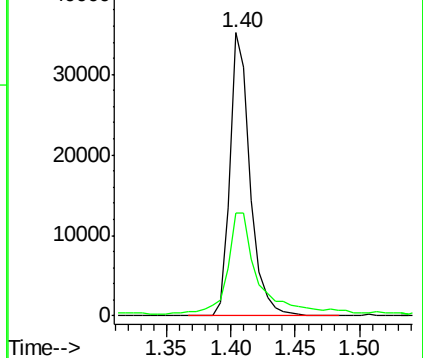
62 100

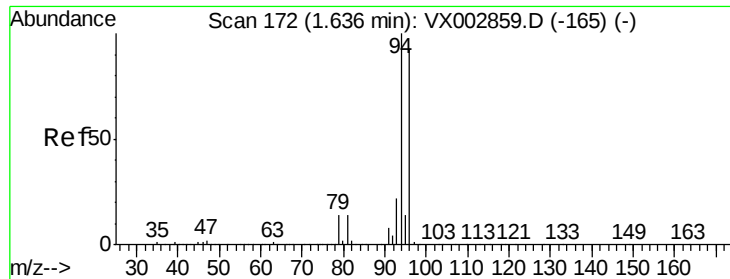
64 35.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 13.12 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 22981

Ion Ratio Lower Upper

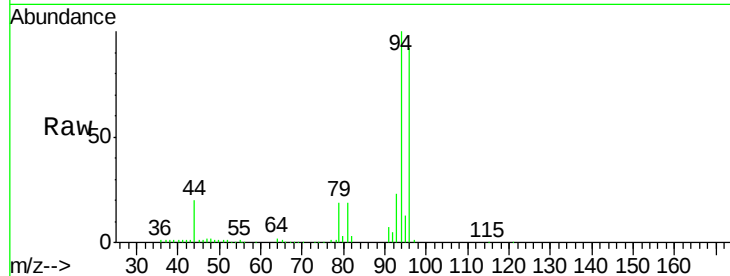
94 100

96 91.6 74.9 112.3

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

20000

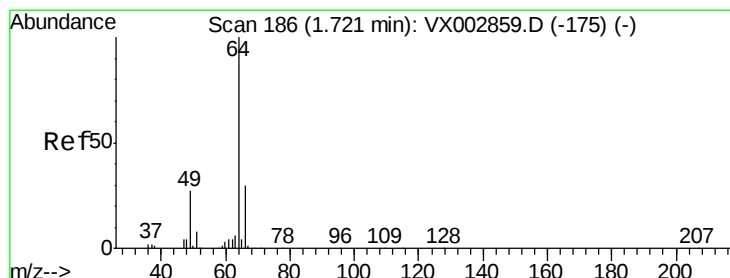
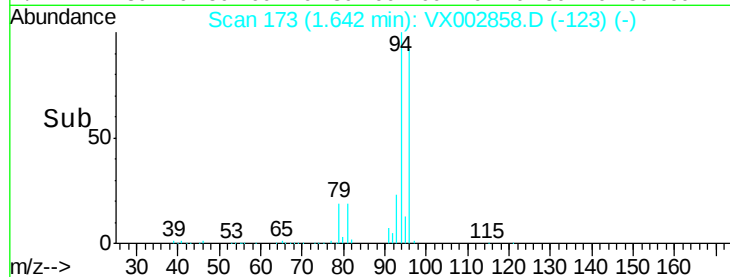
15000

10000

5000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 13.74 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002858.D

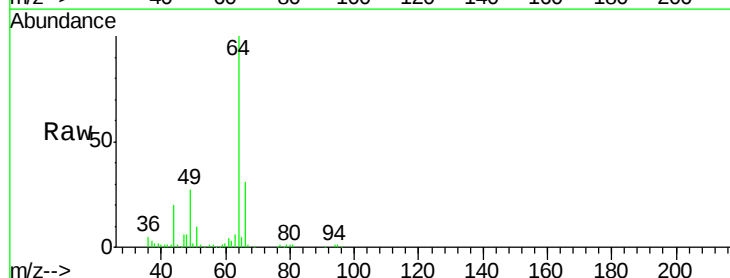
Acq: 25 Jun 2018 11:47

Tgt Ion: 64 Resp: 26302

Ion Ratio Lower Upper

64 100

66 31.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

20000

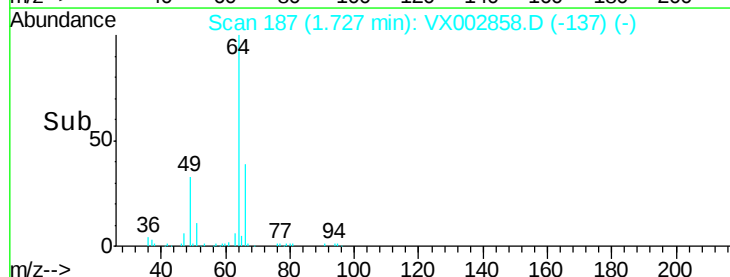
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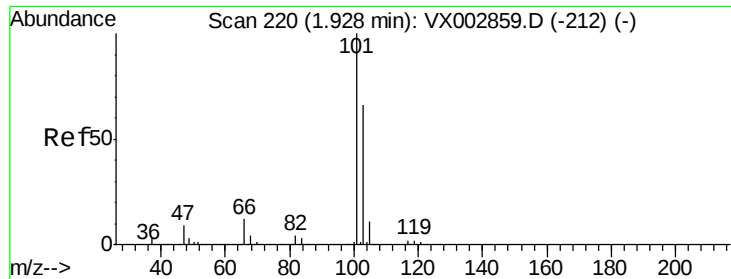
10000

5000

0

Time--> 1.60 1.65 1.70 1.75 1.80





#7

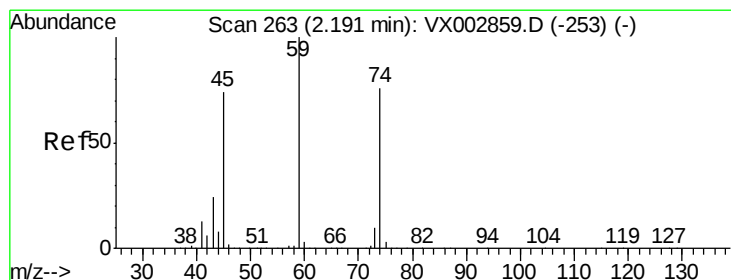
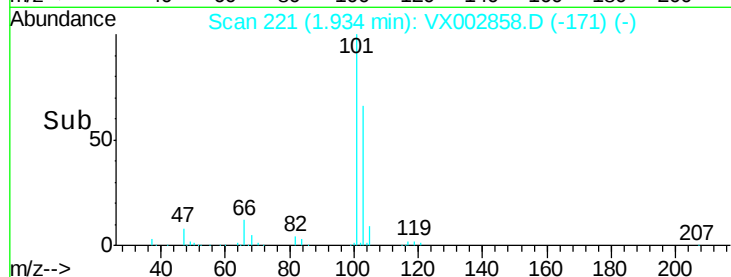
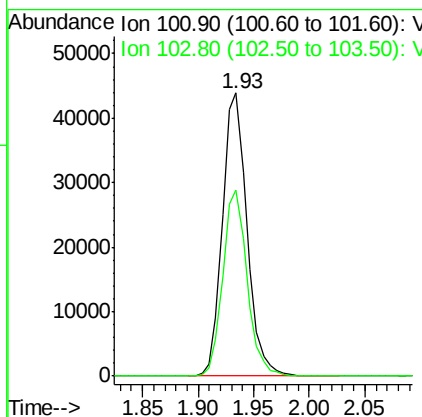
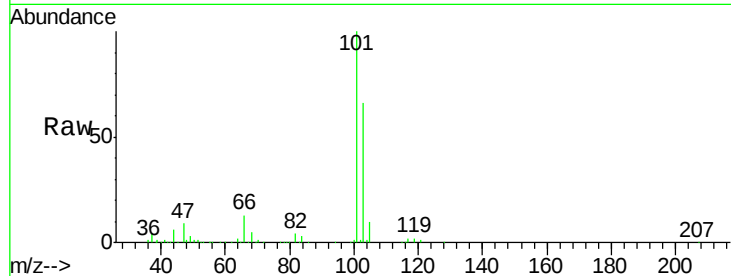
Trichlorofluoromethane
 Concen: 14.20 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.8	79.2

Manual Integrations
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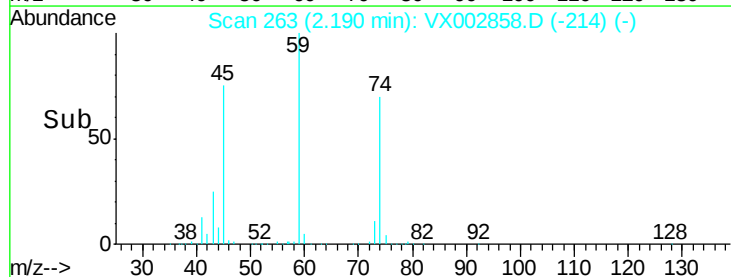
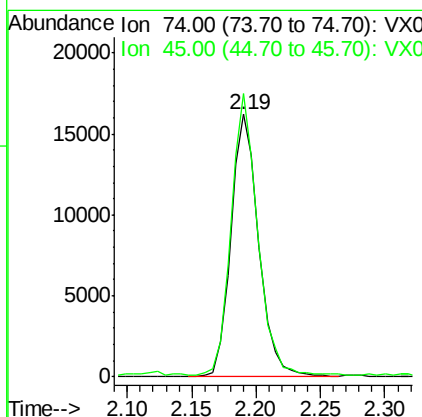
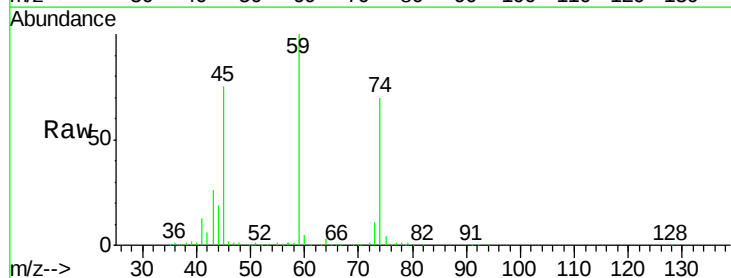
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#8

Diethyl Ether
 Concen: 13.55 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.3	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 14.02 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

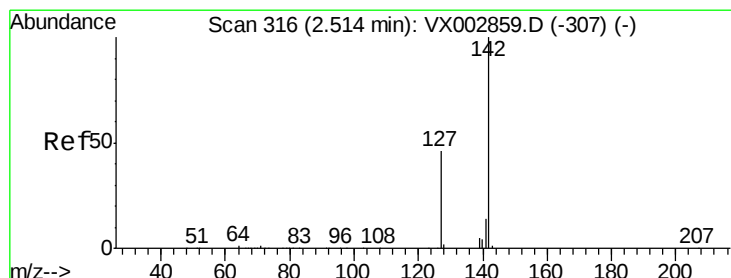
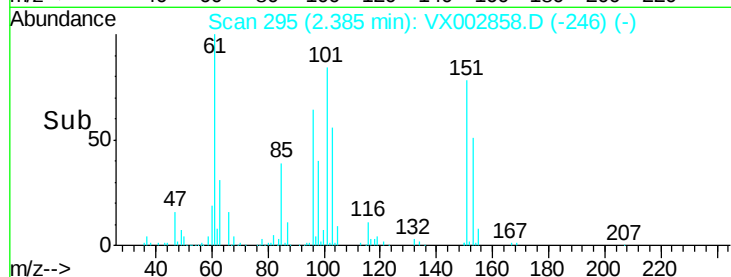
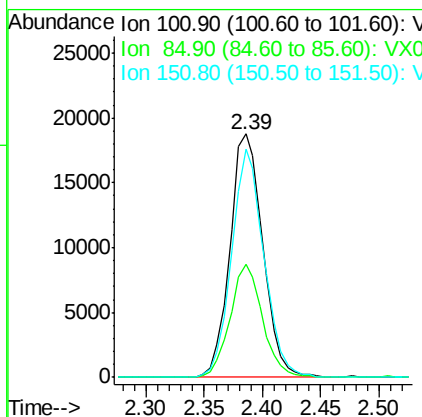
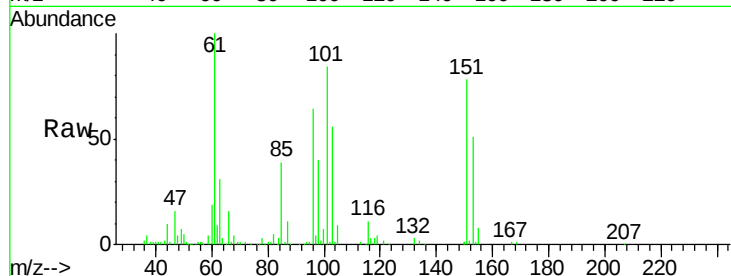
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	36964
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.0	54.0
151	91.7	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 9.36 ug/l

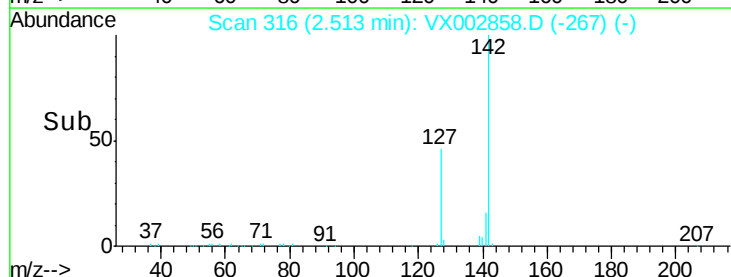
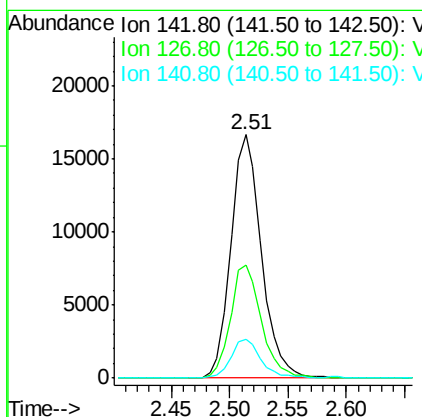
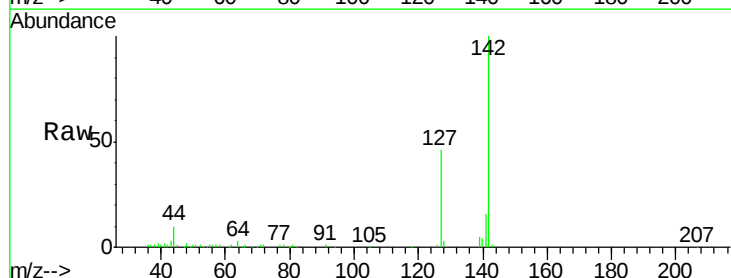
RT: 2.51 min Scan# 316

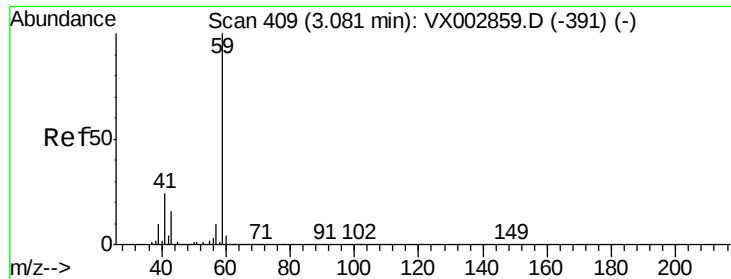
Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Tgt Ion:	142	Resp:	30394
Ion Ratio	Lower	Upper	
142	100		
127	46.9	36.6	55.0
141	15.7	11.3	16.9





#11

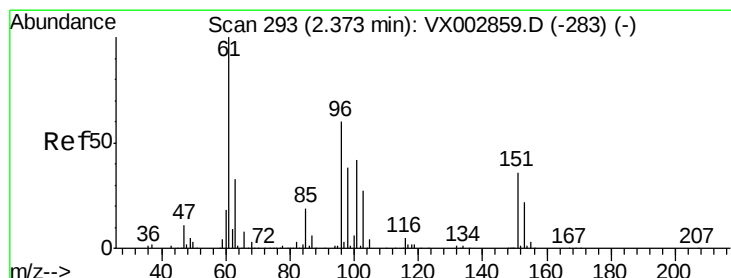
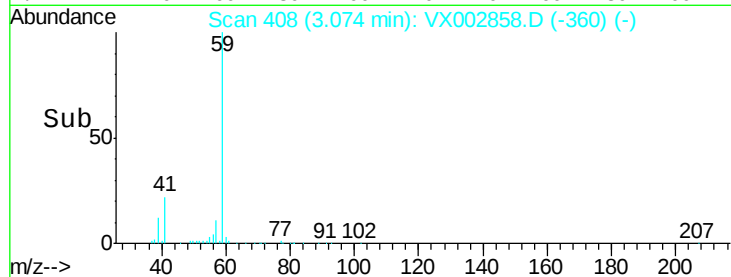
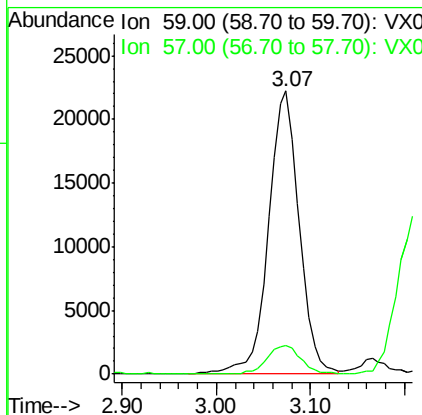
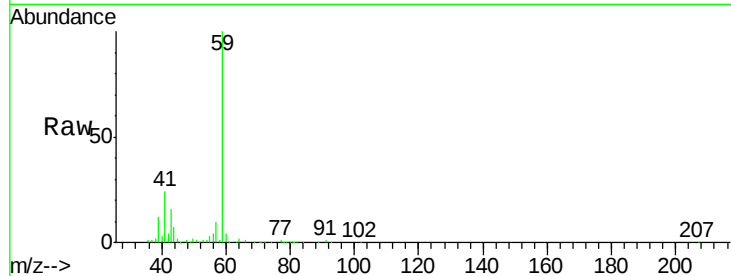
Tert butyl alcohol
 Concen: 72.64 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	59	Resp	50560
Ion Ratio	100	Lower	Upper
57	11.4	8.2	12.2

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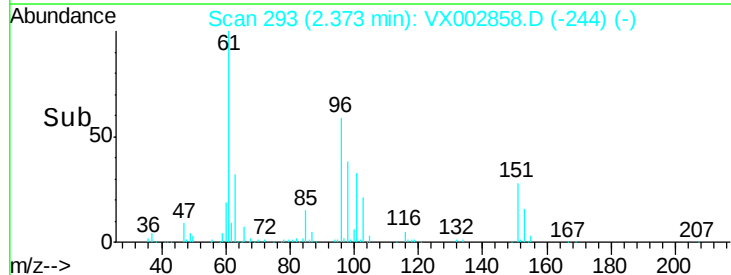
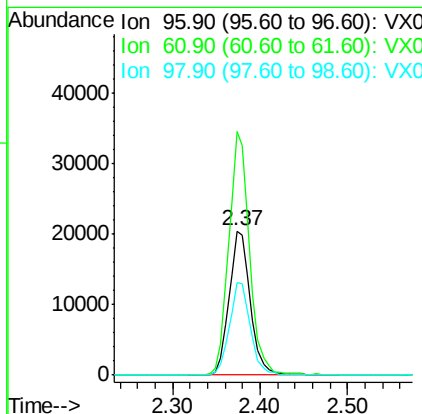
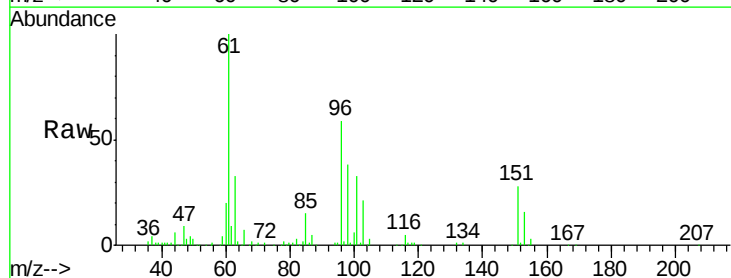
MMDadoda
 6/28/2018 2:26:25 PM



#12

1,1-Dichloroethene
 Concen: 13.99 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Tgt Ion	96	Resp	34642
Ion Ratio	100	Lower	Upper
61	168.9	137.9	206.9
98	64.1	51.6	77.4





#13

Acrolein

Concen: 90.76 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 32035

Ion Ratio Lower Upper

56 100

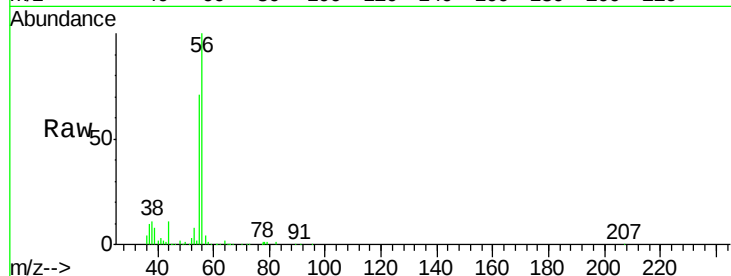
55 73.2 57.0 85.4

Manual Integrations

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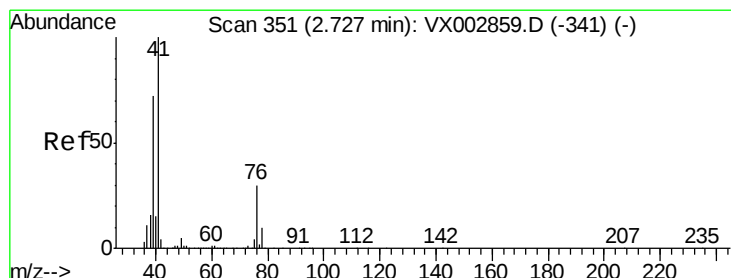
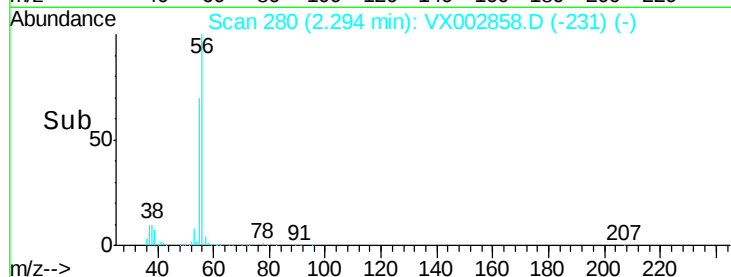
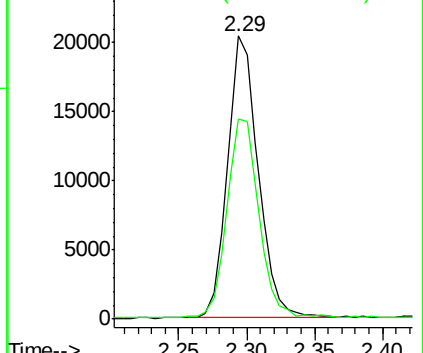
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 14.26 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

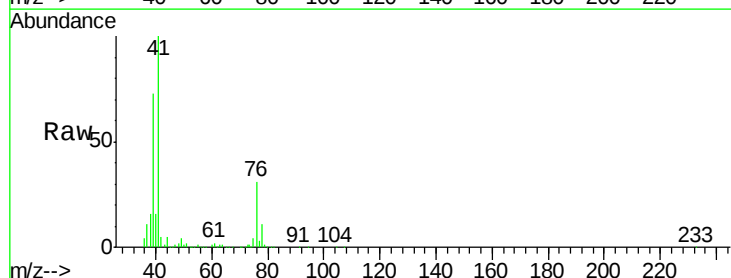
Tgt Ion: 41 Resp: 70100

Ion Ratio Lower Upper

41 100

39 69.1 56.8 85.2

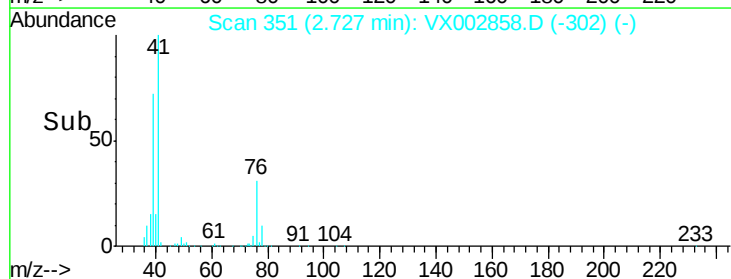
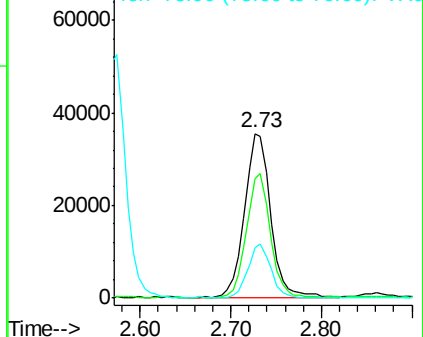
76 30.0 23.8 35.8



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





#15

Acrylonitrile

Concen: 70.72 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

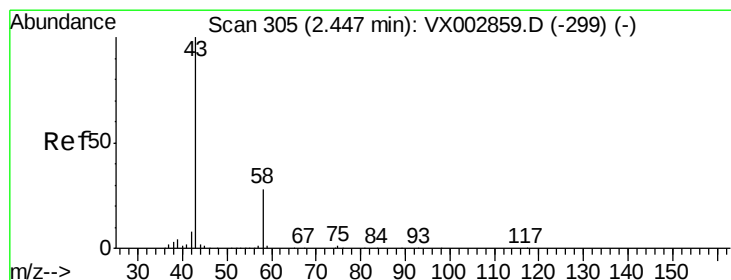
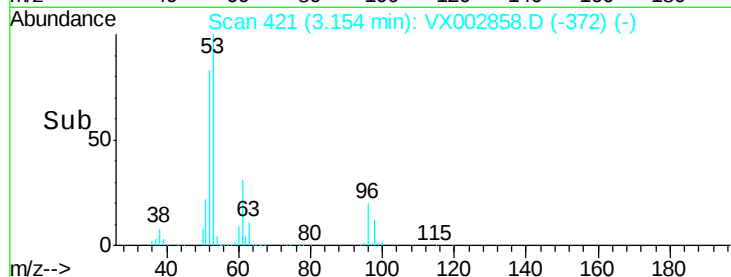
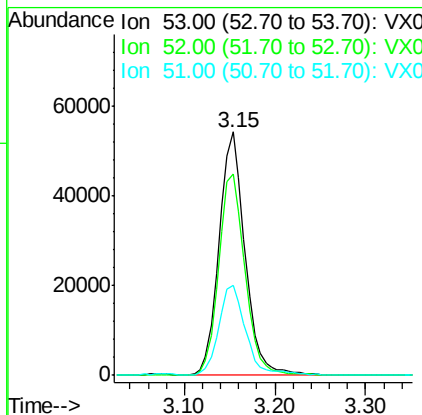
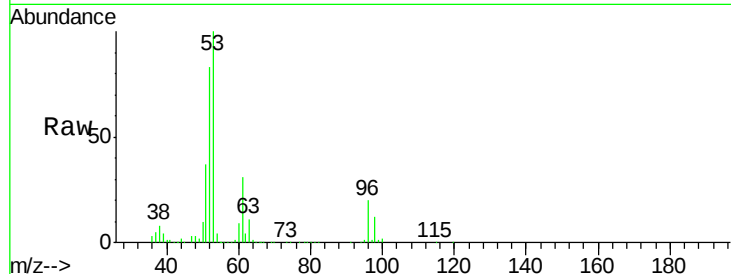
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	107420
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.7	100.1
51	38.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 73.14 ug/l

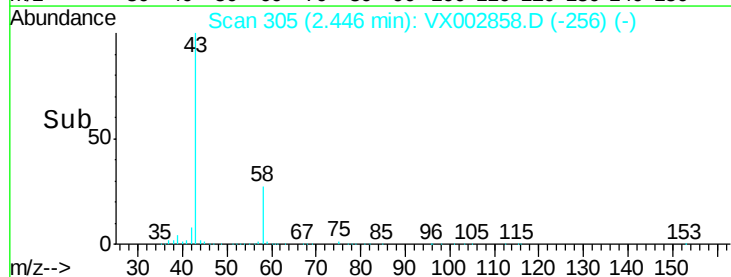
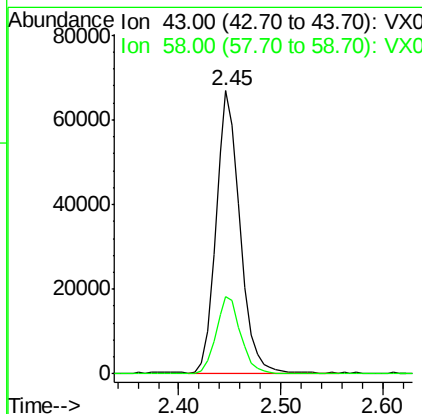
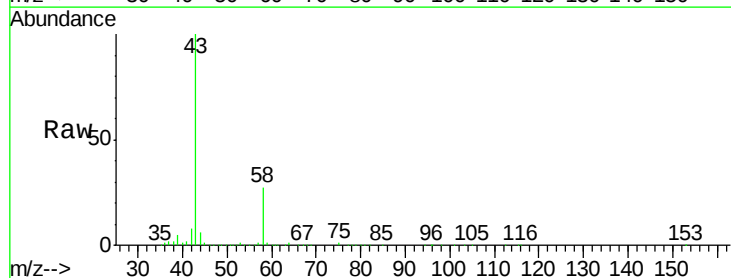
RT: 2.45 min Scan# 305

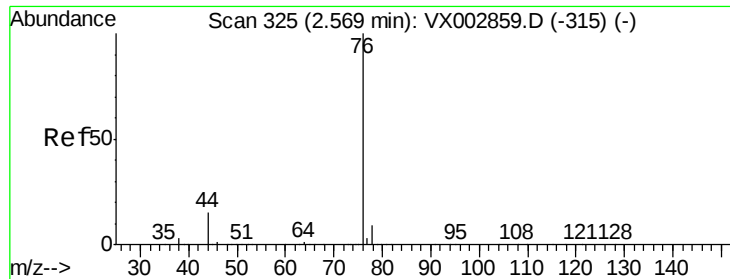
Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Tgt Ion:	43	Resp:	108651
Ion Ratio	Lower	Upper	
43	100		
58	27.3	22.1	33.1





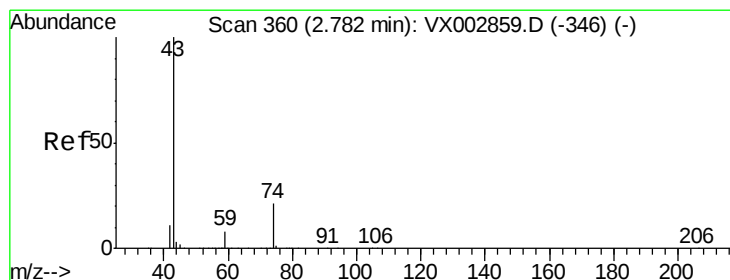
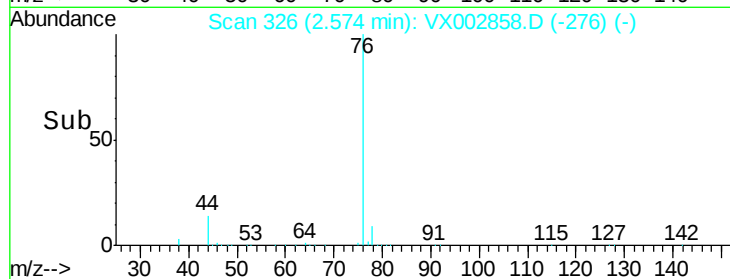
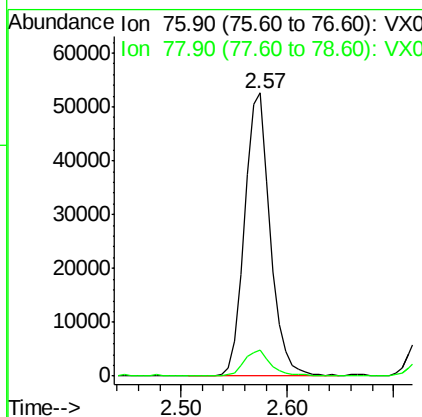
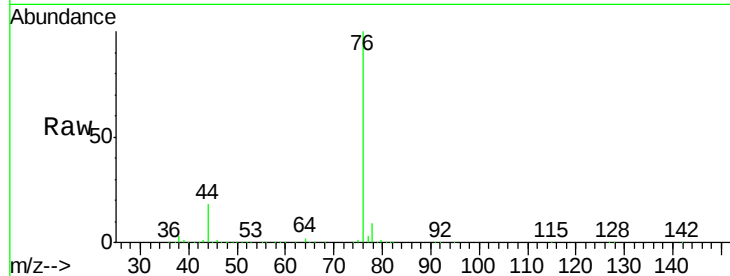
#17
Carbon Disulfide
Concen: 15.14 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3

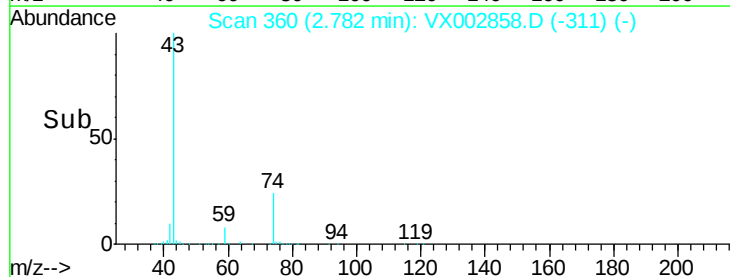
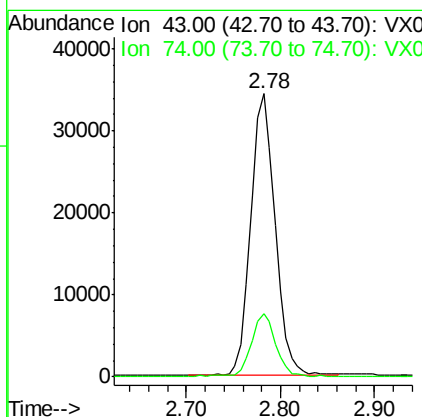
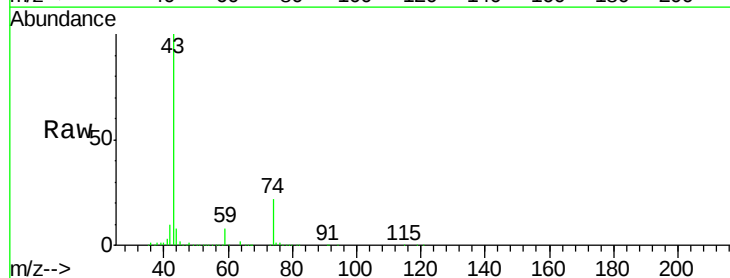
Manual Integrations
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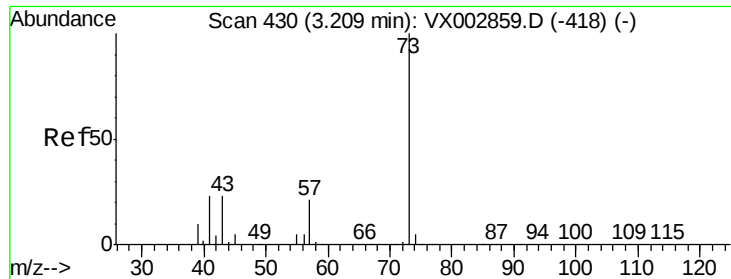
MMDadoda
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#18
Methyl Acetate
Concen: 15.80 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	16.7	25.1





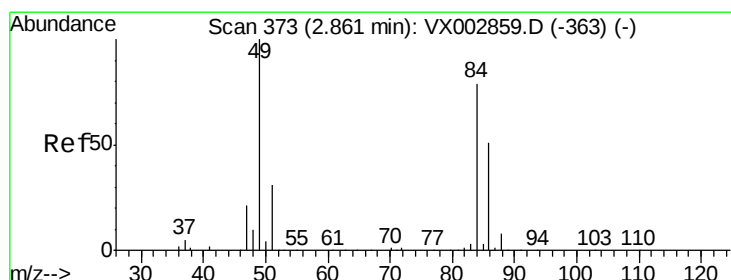
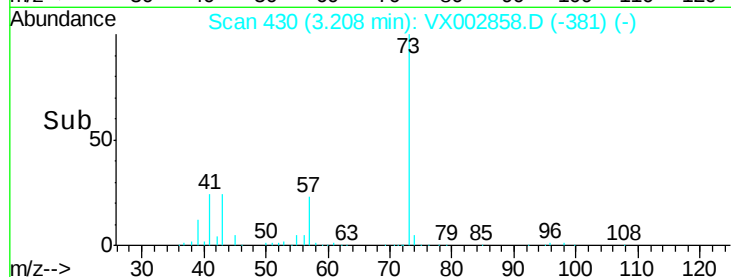
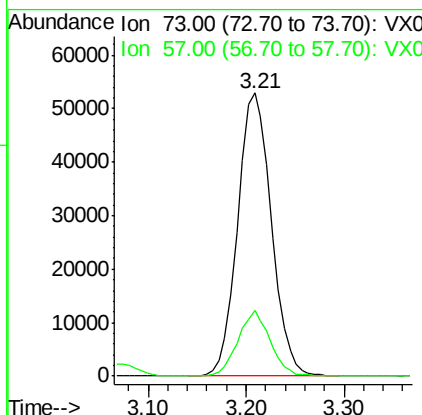
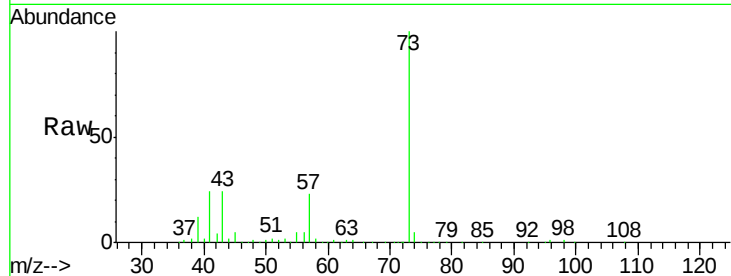
#19
Methyl tert-butyl Ether
Concen: 13.63 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.7	26.5

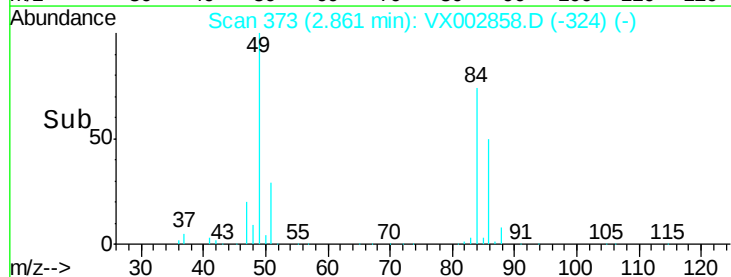
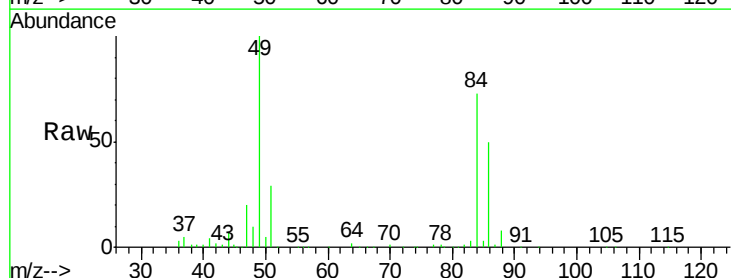
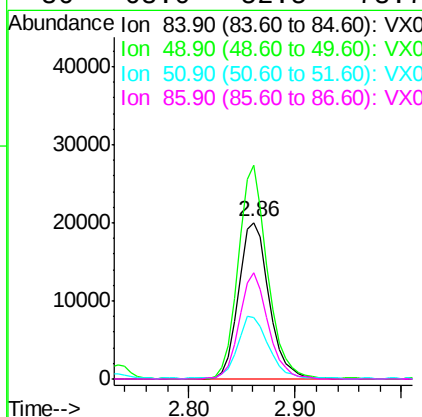
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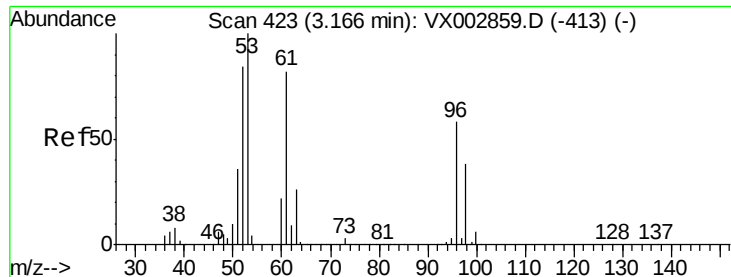
MMDadoda
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#20
Methylene Chloride
Concen: 13.24 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.3	107.8	161.6
51	38.9	32.8	49.2
86	68.0	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 13.93 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 37425

Ion Ratio Lower Upper

96 100

61 141.7 117.0 175.4

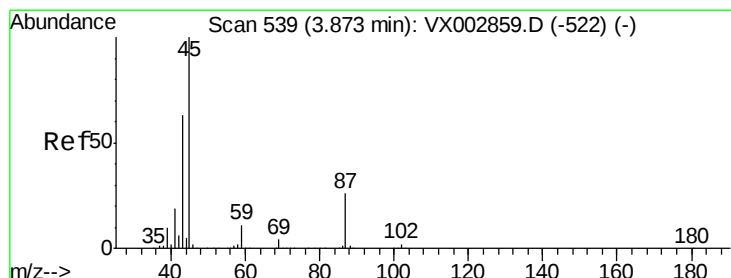
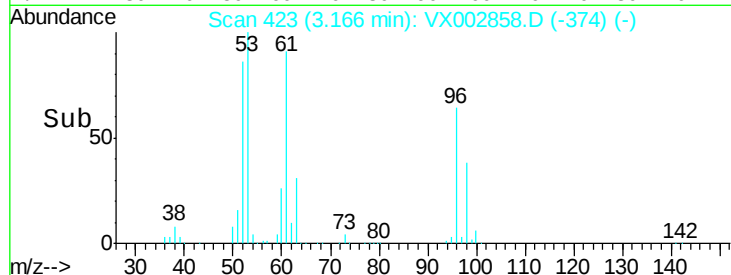
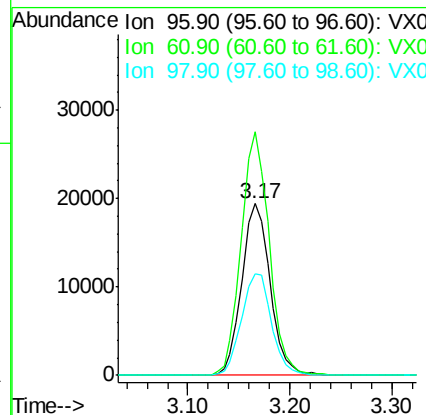
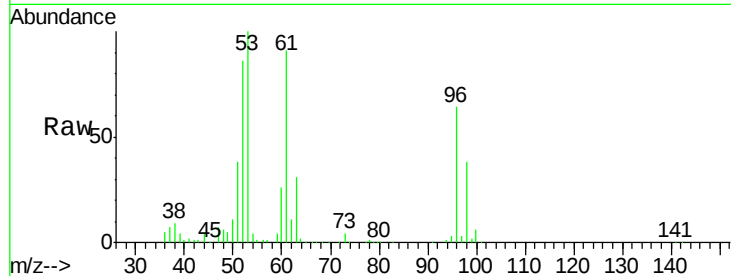
98 59.4 52.4 78.6

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#22

Diisopropyl ether

Concen: 14.38 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Tgt Ion: 45 Resp: 127879

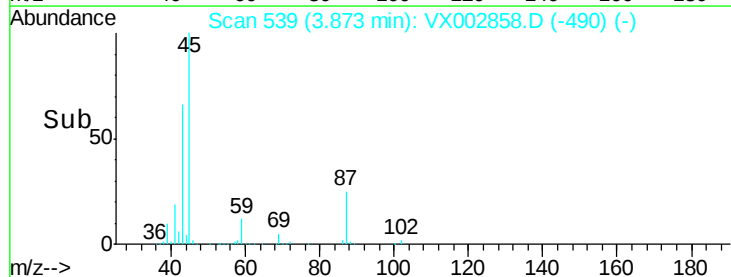
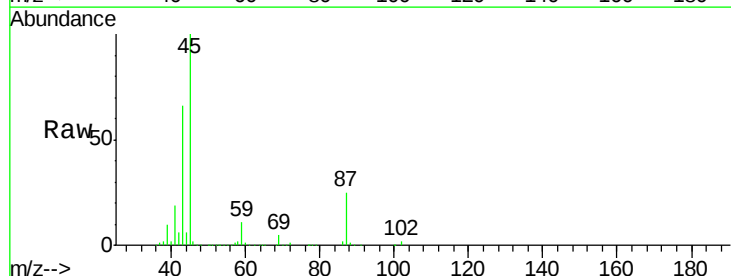
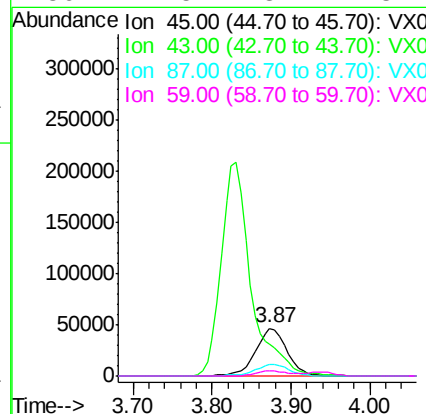
Ion Ratio Lower Upper

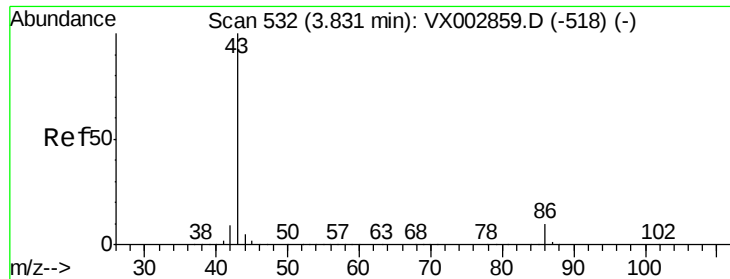
45 100

43 65.5 46.8 70.2

87 25.2 20.2 30.4

59 11.5 8.7 13.1





#23

Vinyl Acetate

Concen: 73.97 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Tot Ion: 43 Resp: 550627

Ion Ratio Lower Upper

43 100

86 9.7 7.4 11.0

Instrument :

MSVOA_X

ClientSampleId :

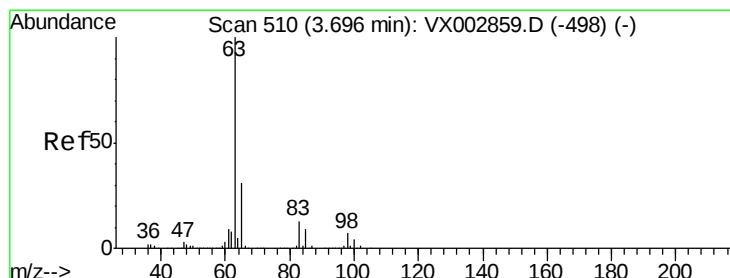
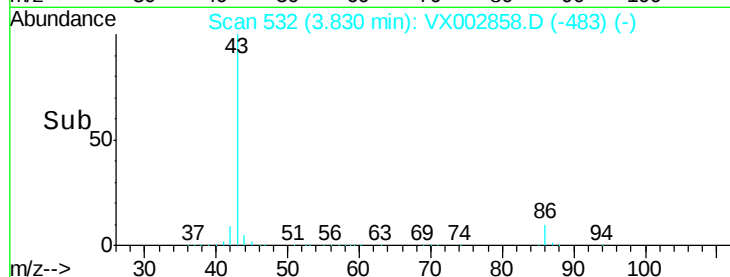
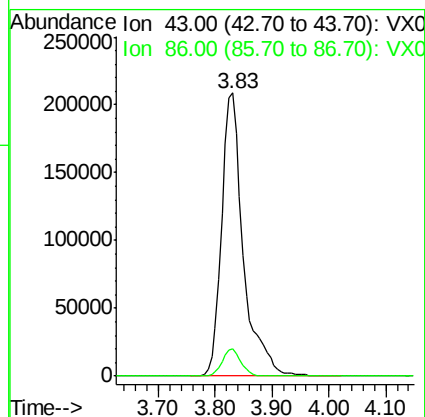
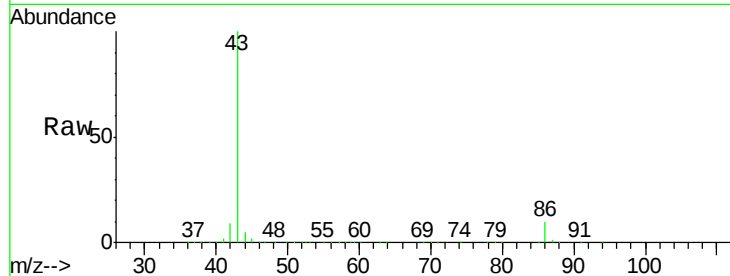
VSTDIC020

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#24

1,1-Dichloroethane

Concen: 14.78 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

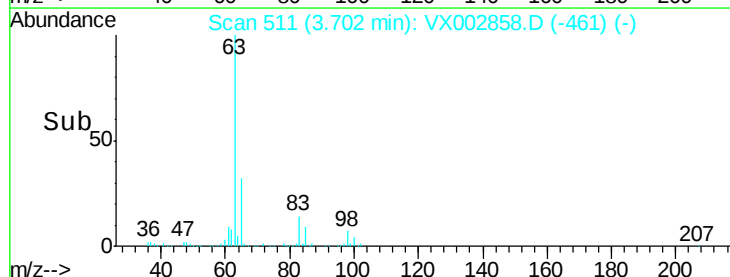
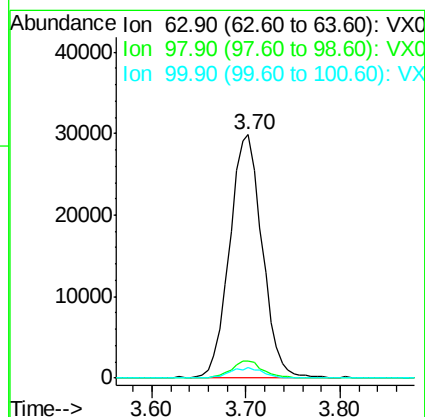
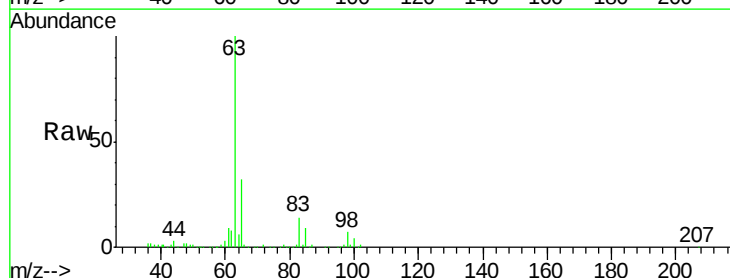
Tgt Ion: 63 Resp: 71358

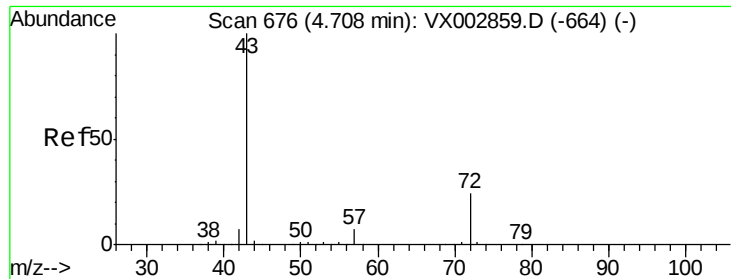
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 79.06 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Tot Ion: 43 Resp: 154240

Ion Ratio Lower Upper

43 100

72 23.0 18.5 27.7

Instrument :

MSVOA_X

ClientSampleId :

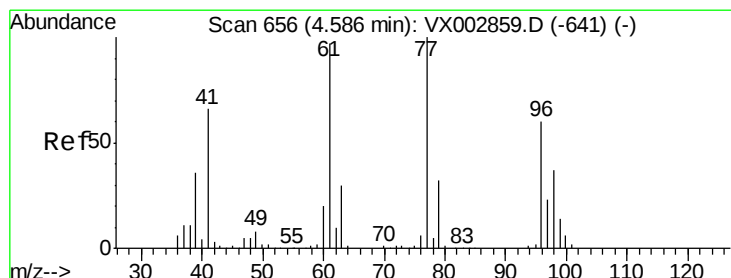
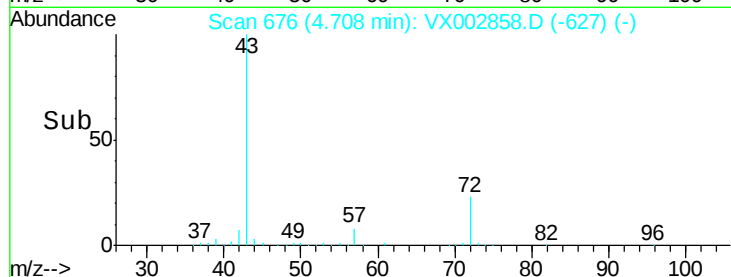
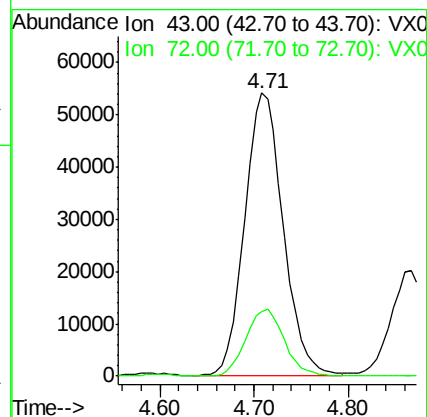
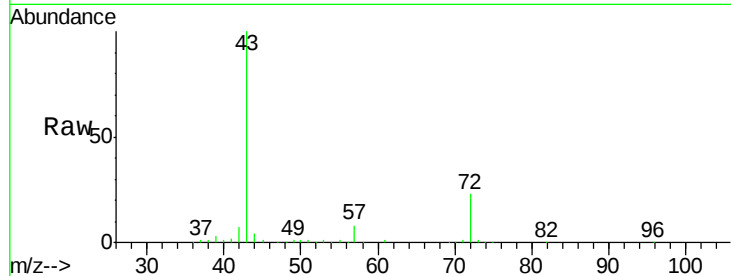
VSTDIC020

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.34 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX002858.D

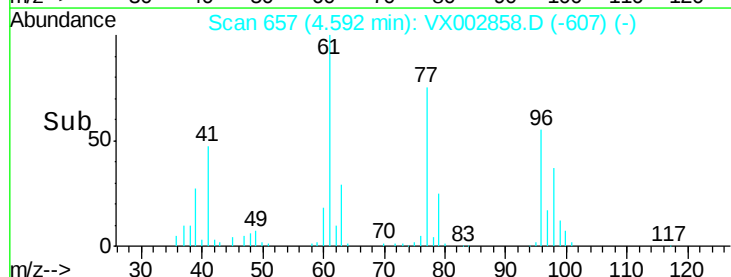
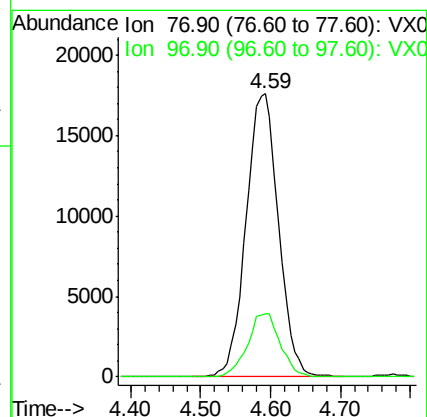
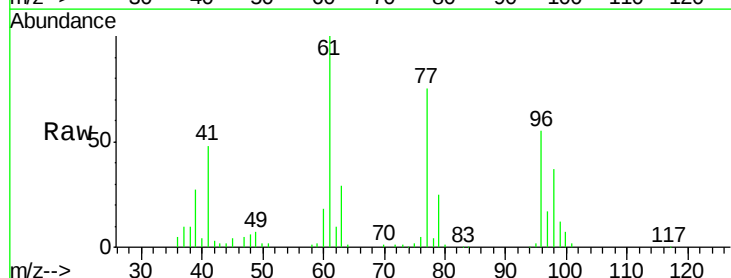
Acq: 25 Jun 2018 11:47

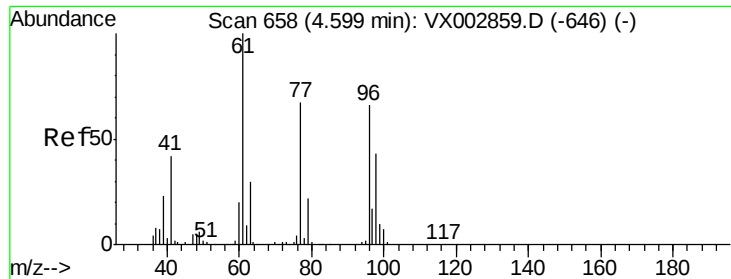
Tgt Ion: 77 Resp: 56661

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.5





#27

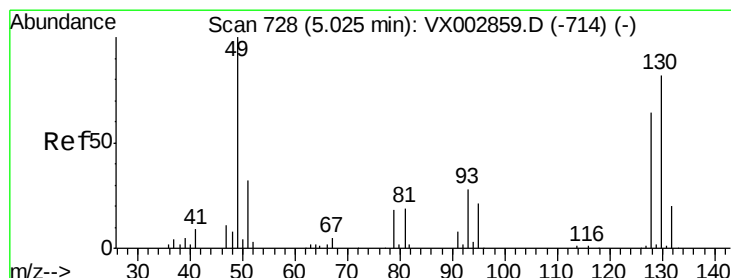
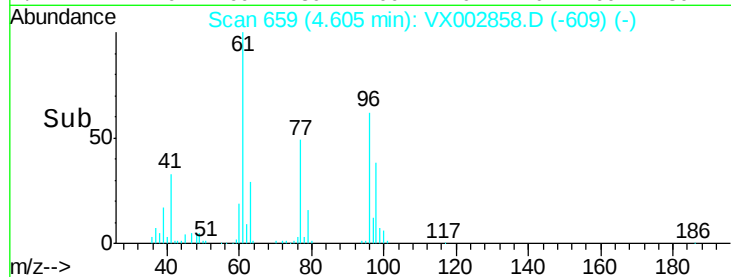
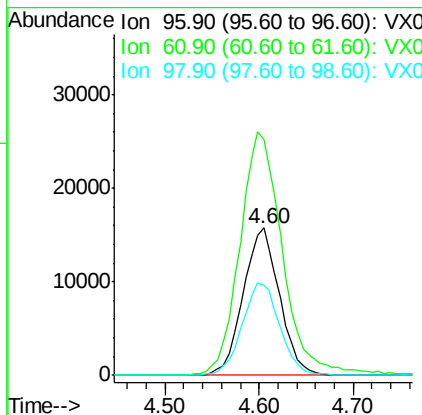
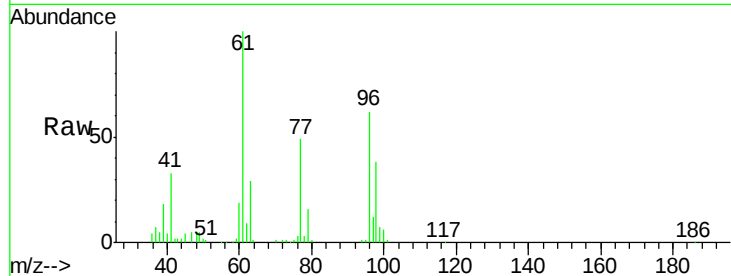
cis-1,2-Dichloroethene
Concen: 15.53 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	195.7	0.0	330.2
98	65.3	0.0	130.2

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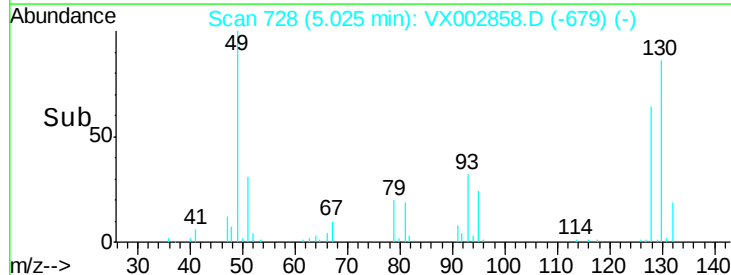
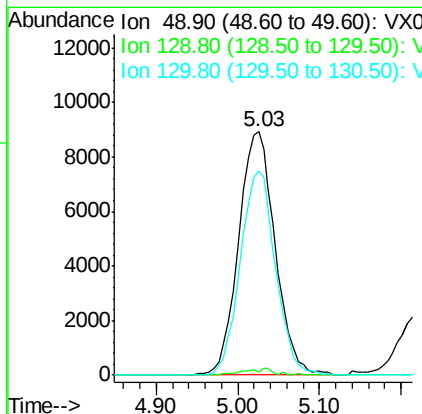
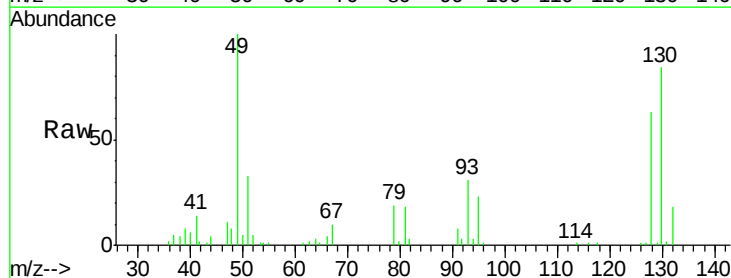
MMDadoda
6/28/2018 2:26:25 PM

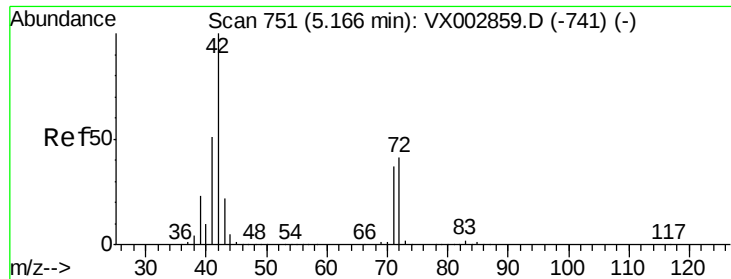


#28

Bromochloromethane
Concen: 12.24 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	80.8	61.2	91.8





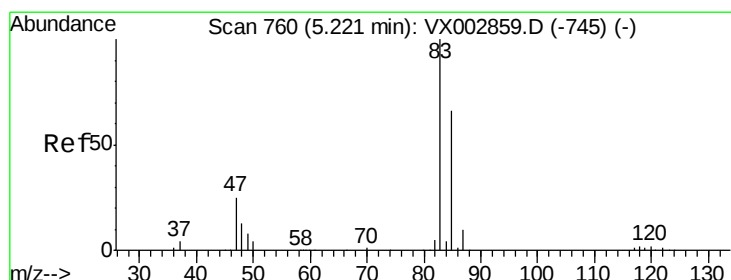
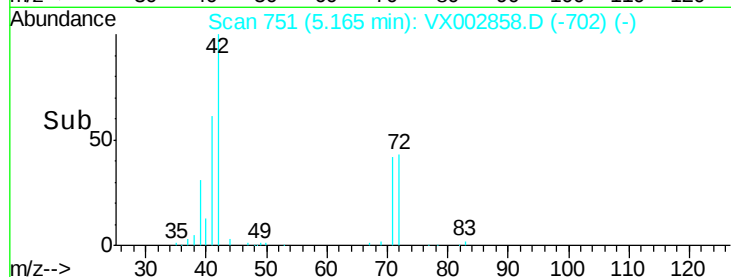
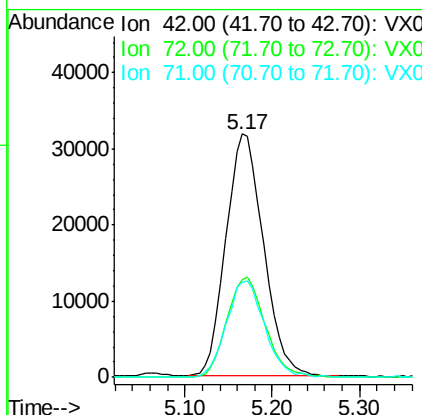
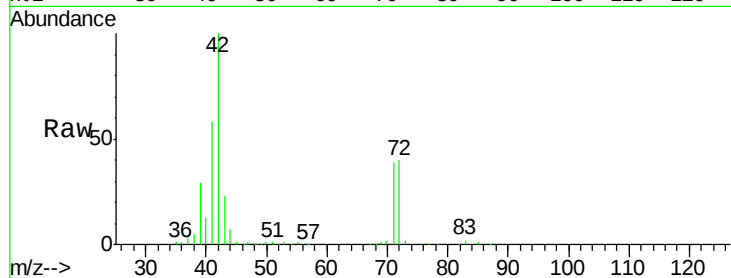
#29
Tetrahydrofuran
Concen: 74.46 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	32.0	48.0
71	40.5	30.1	45.1

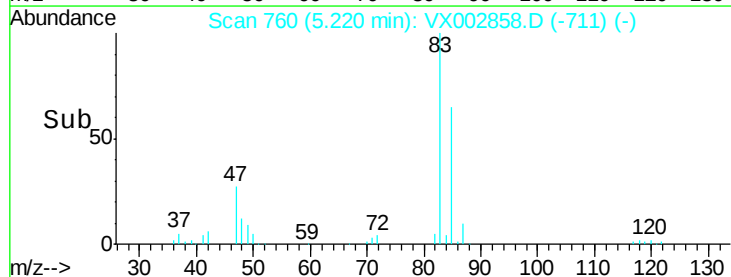
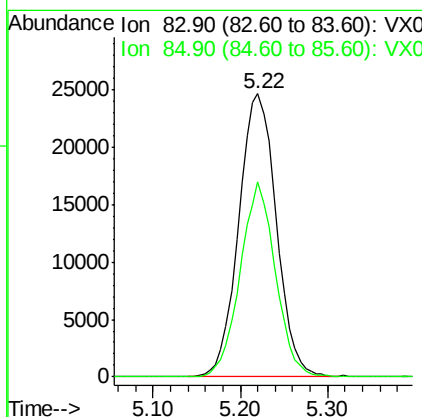
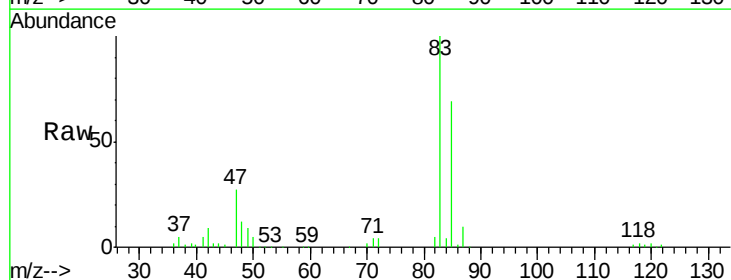
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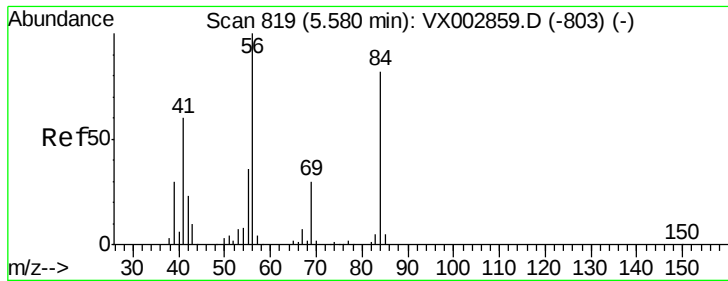
MMDadoda
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#30
Chloroform
Concen: 15.84 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.9	50.4	75.6





#31

Cyclohexane

Concen: 14.79 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 58774

Ion Ratio Lower Upper

56 100

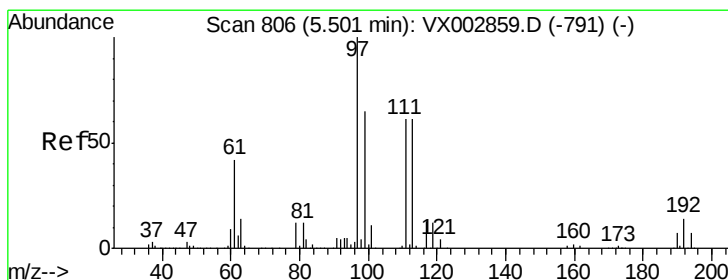
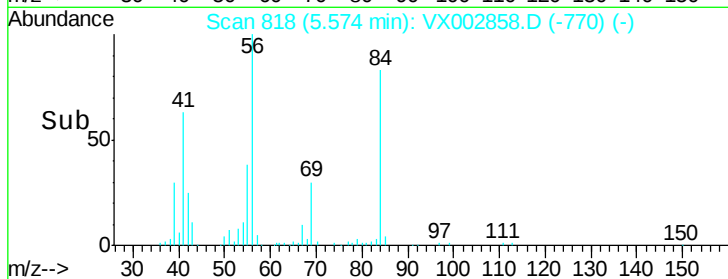
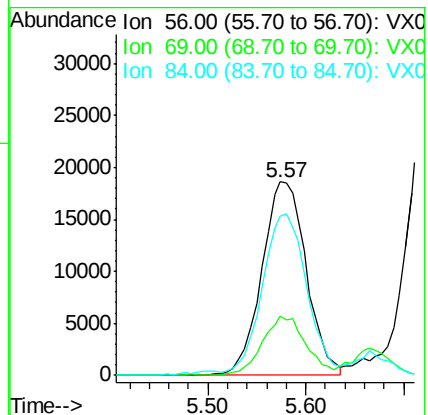
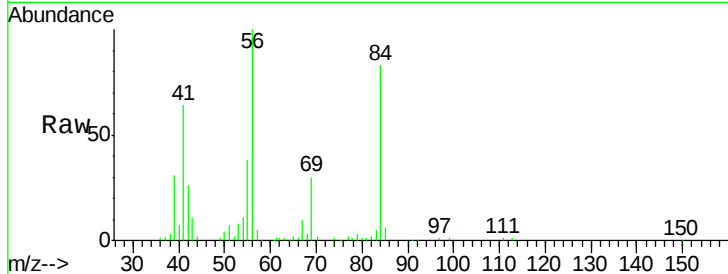
69 29.8 23.7 35.5

84 81.6 64.1 96.1

Manual Integrations
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MMDadoda

6/28/2018 2:26:25 PM



#32

1,1,1-Trichloroethane

Concen: 16.21 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

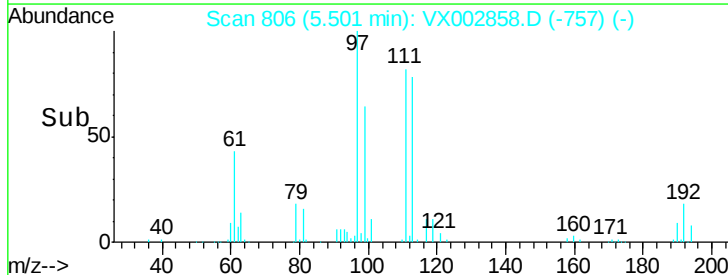
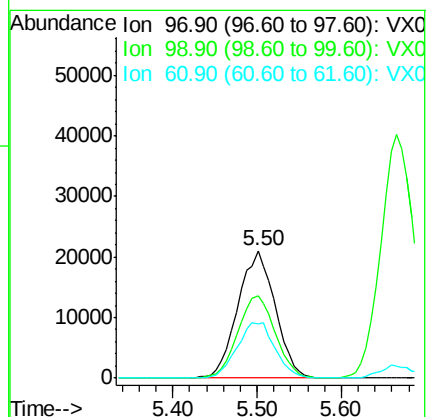
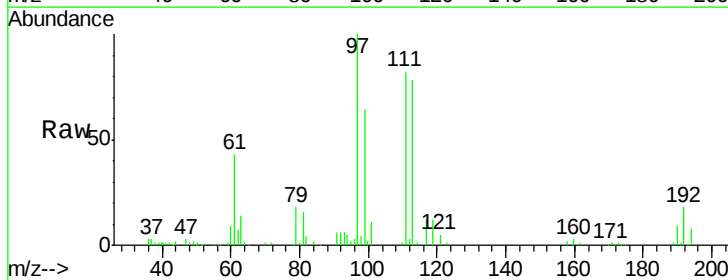
Tgt Ion: 97 Resp: 63095

Ion Ratio Lower Upper

97 100

99 65.2 51.6 77.4

61 44.7 36.4 54.6





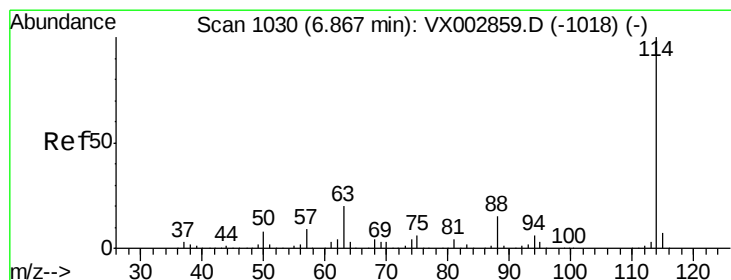
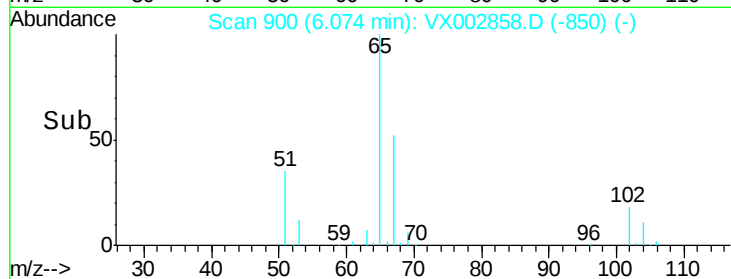
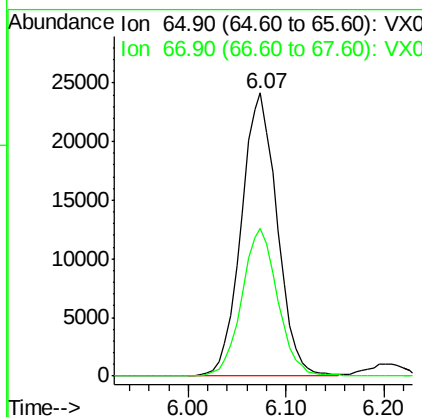
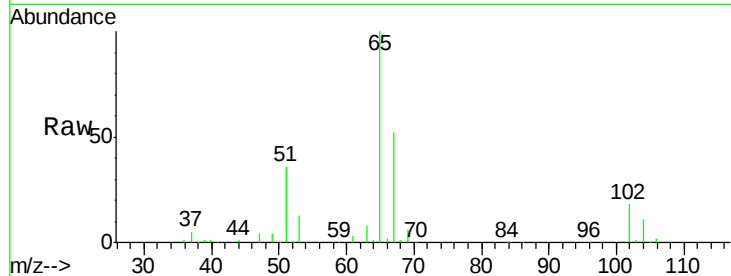
#33
 1,2-Dichloroethane-d4
 Concen: 18.30 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Tot Ion: 65 Resp: 61612
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 102.6

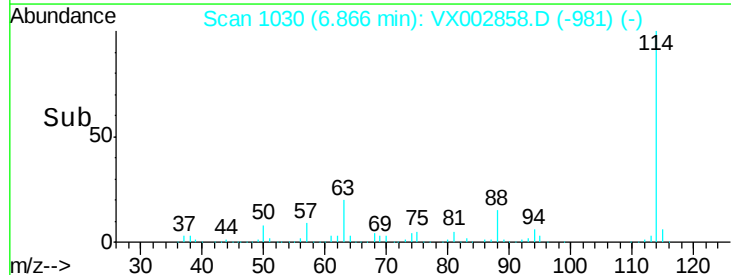
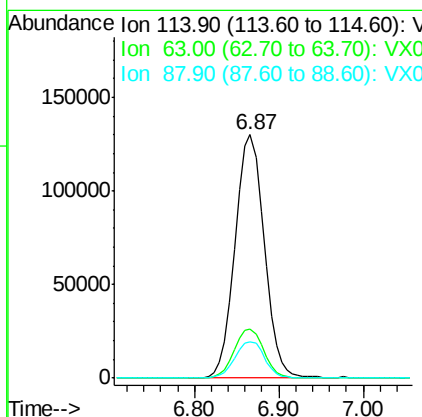
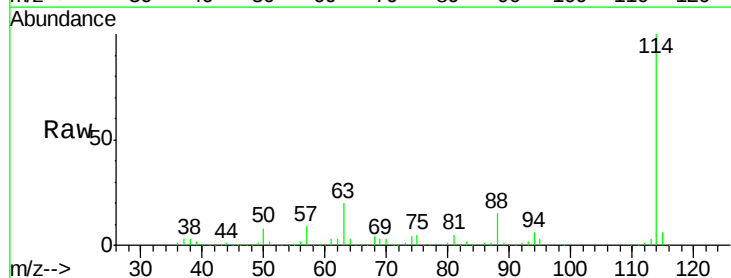
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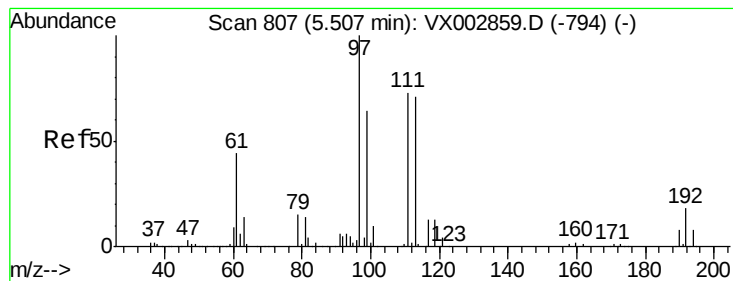
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Tgt Ion: 114 Resp: 305562
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.4
 88 14.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 19.39 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

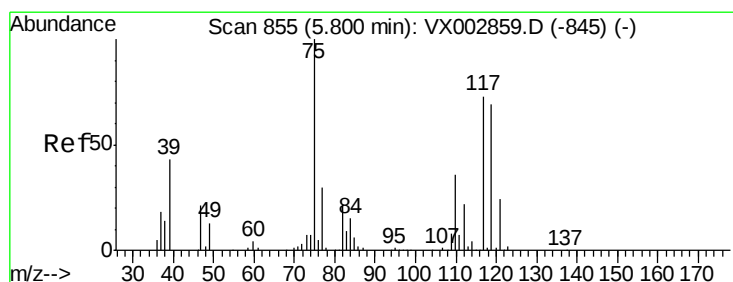
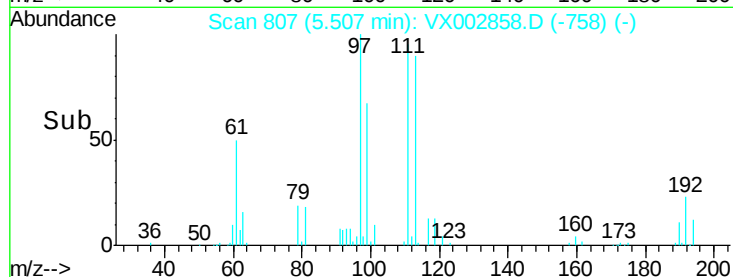
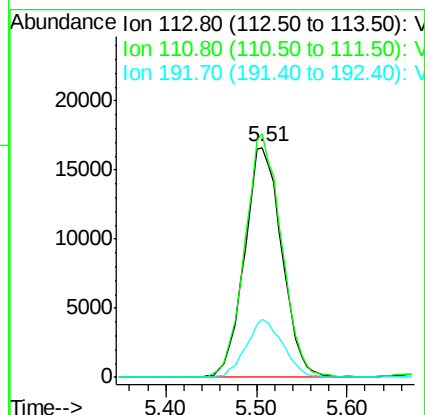
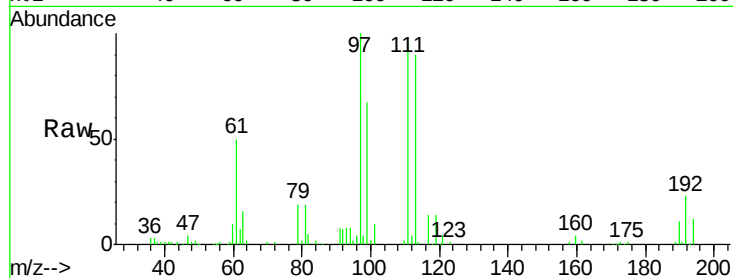
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	47275
Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.4	122.0
192	24.8	19.1	28.7

Manual Integrations
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6/28/2018 2:26:25 PM



#36

1,1-Dichloropropene

Concen: 15.72 ug/l

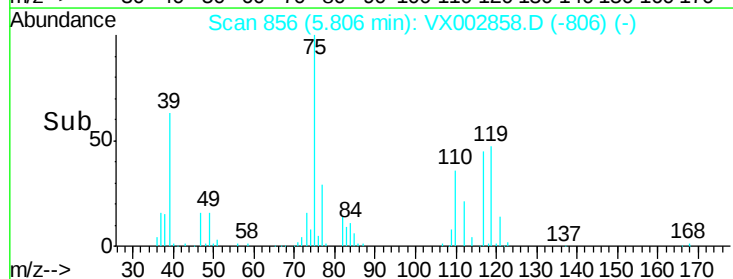
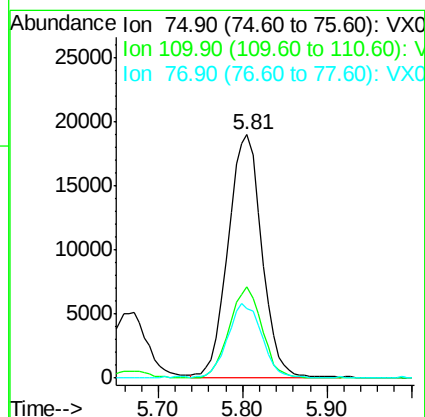
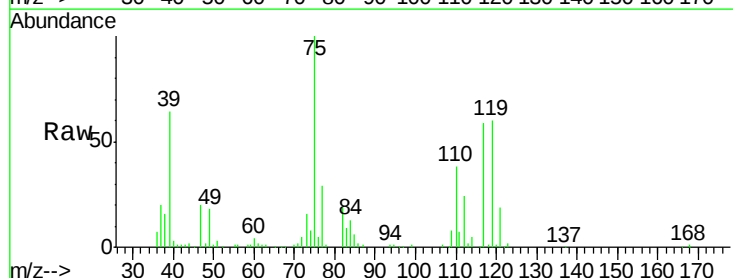
RT: 5.81 min Scan# 856

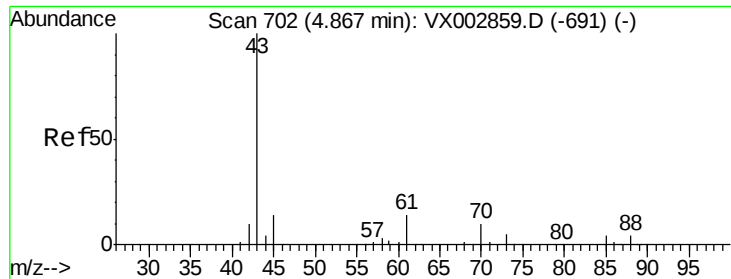
Delta R.T. 0.01 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Tgt Ion:	75	Resp:	51025
Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.4
77	31.6	24.3	36.5





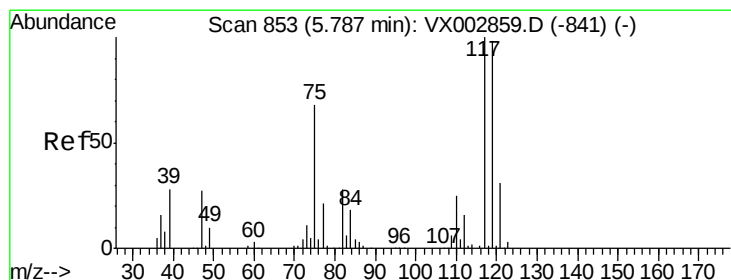
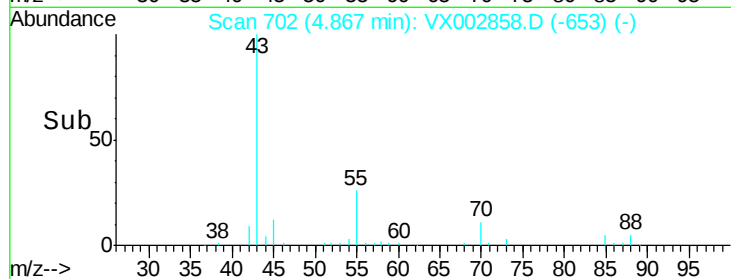
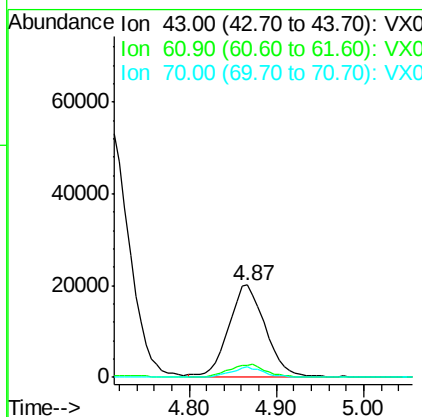
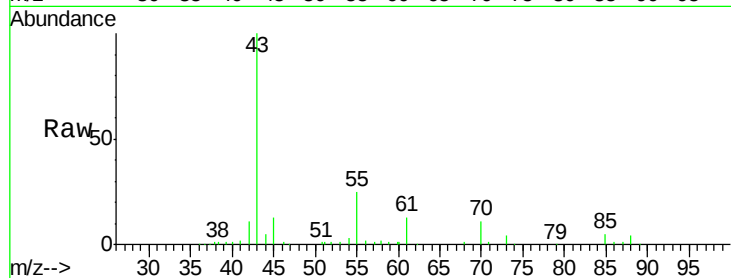
#37
Ethyl Acetate
Concen: 15.69 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	10.2	7.6	11.4

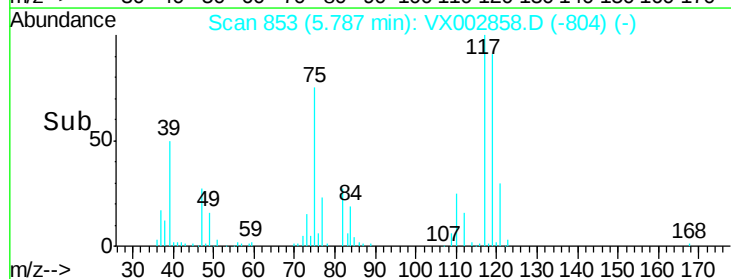
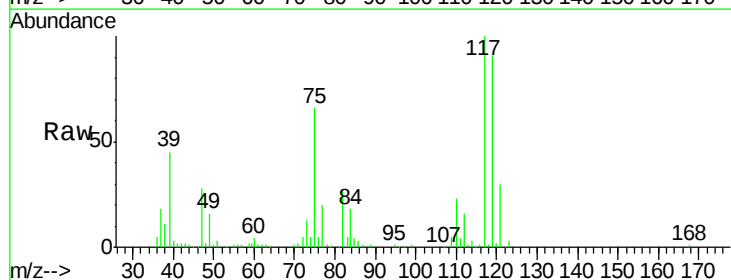
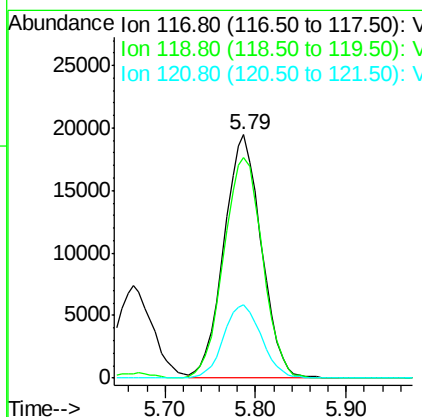
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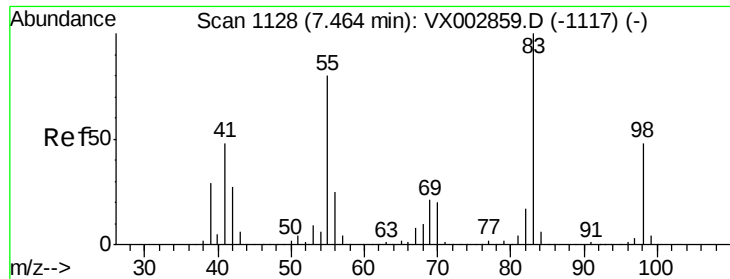
MMDadoda
6/28/2018 2:26:25 PM



#38
Carbon Tetrachloride
Concen: 17.26 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.8	77.4	116.0
121	30.3	24.4	36.6





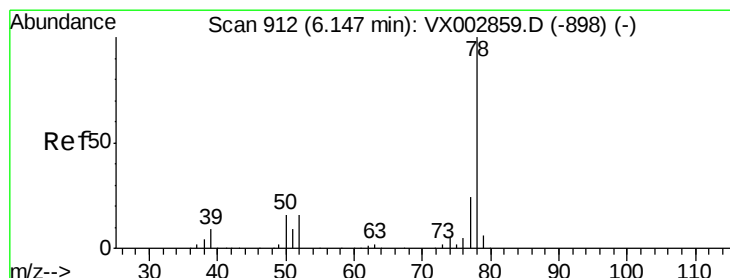
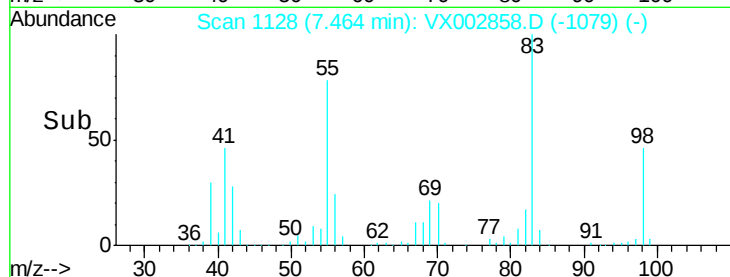
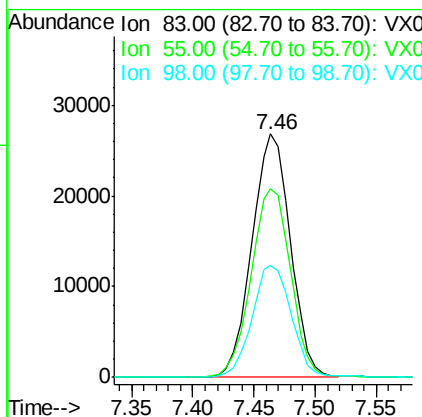
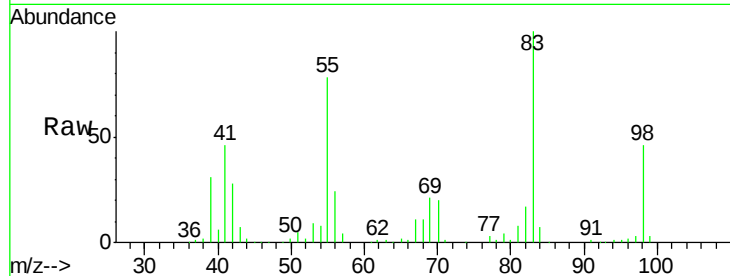
#39
Methvlcvclohexane
Concen: 15.51 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	83.00	Resp	58844
Ion Ratio	Lower	Upper	
83	100		
55	77.7	65.4	98.0
98	45.7	37.4	56.0

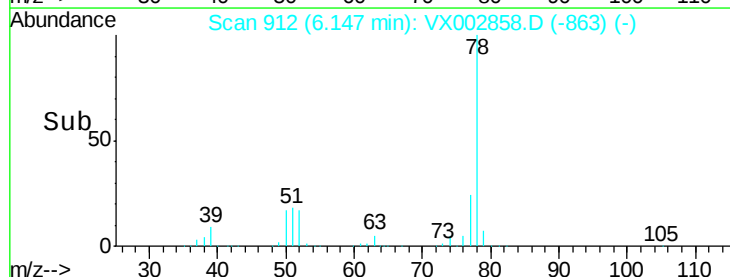
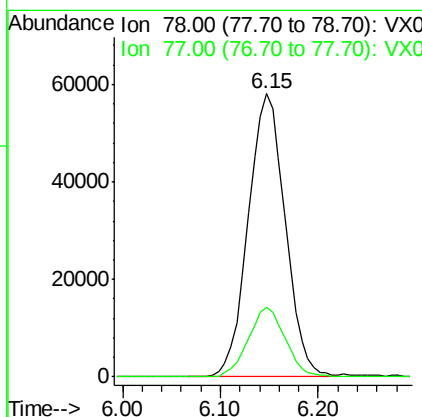
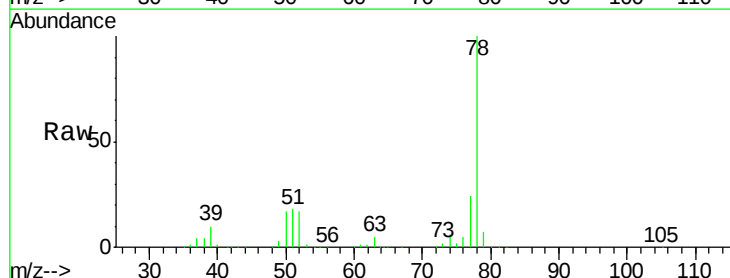
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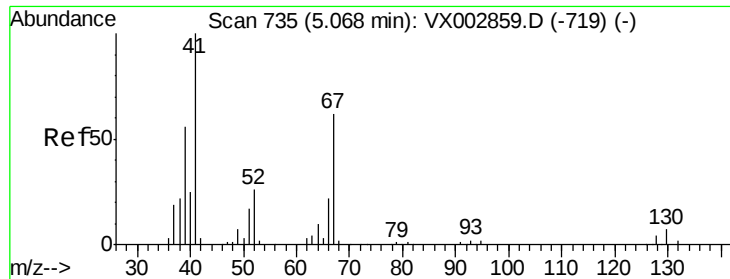
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#40
Benzene
Concen: 15.71 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion	78.00	Resp	152910
Ion Ratio	Lower	Upper	
78	100		
77	24.4	19.1	28.7





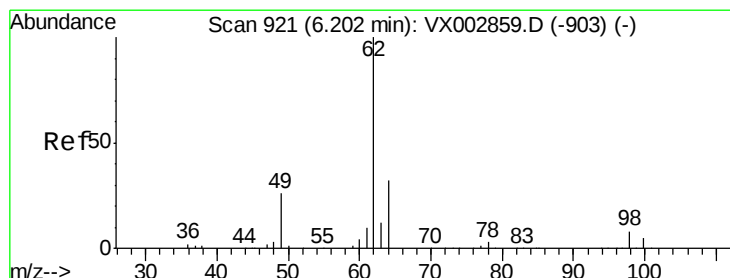
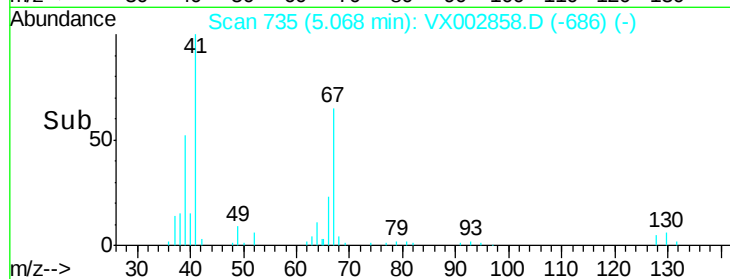
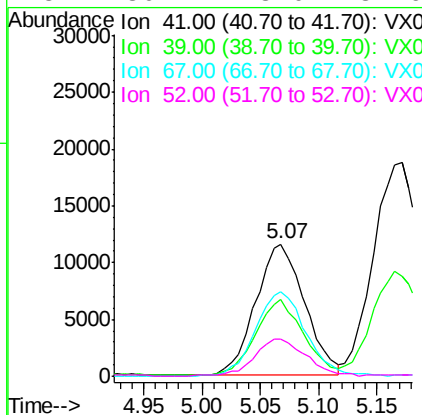
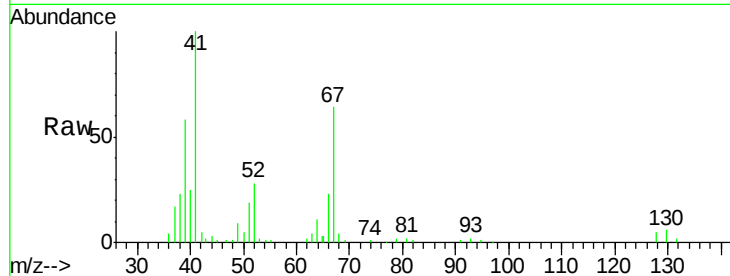
#41
Methacrylonitrile
Concen: 16.20 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.3	45.8	68.6
67	66.6	51.3	76.9
52	30.4	23.0	34.6

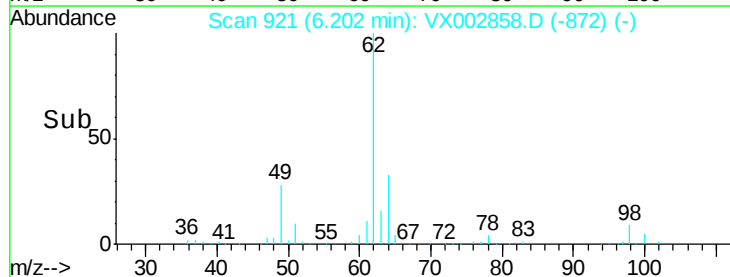
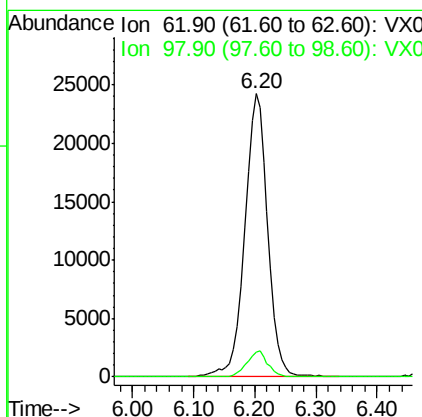
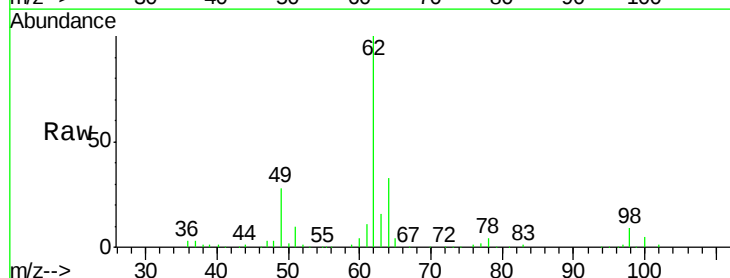
Manual Integrations
APPROVED

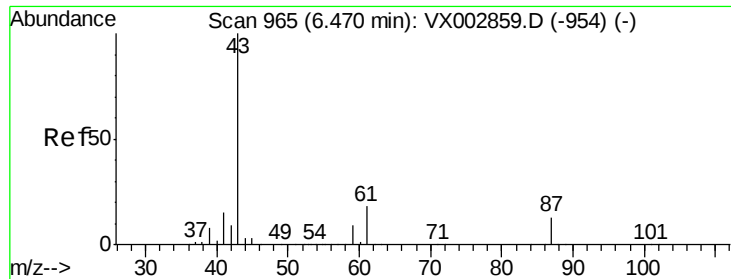
MMDadoda
6/28/2018 2:26:25 PM



#42
1,2-Dichloroethane
Concen: 16.73 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

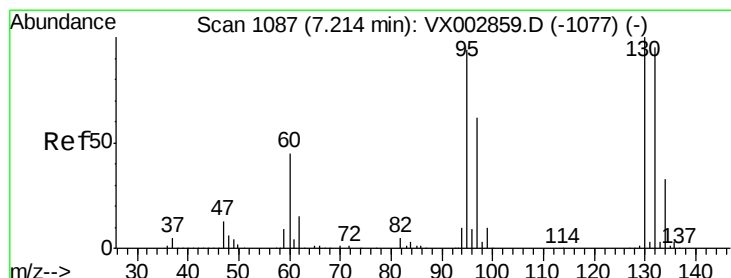
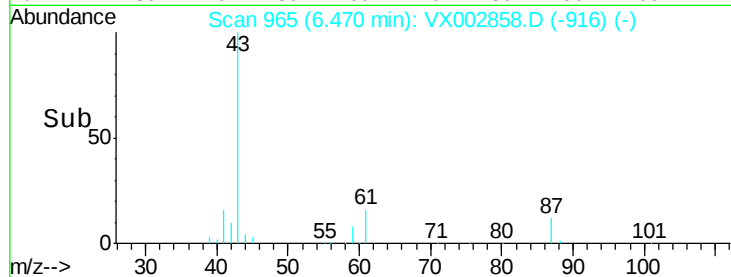
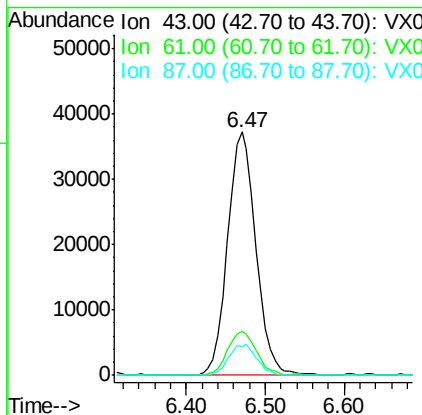
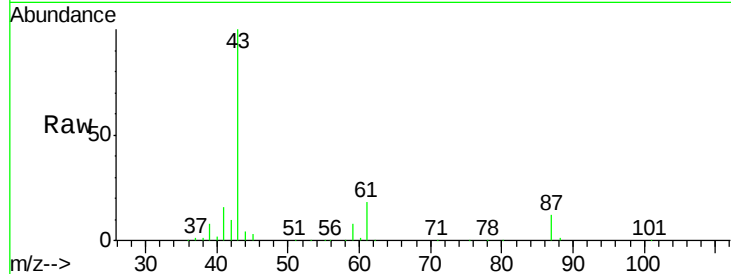
Isopropyl Acetate
 Concen: 15.14 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.4	21.6
87	12.8	9.5	14.3

Manual Integrations
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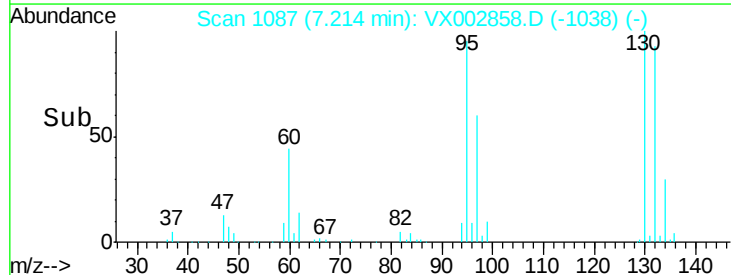
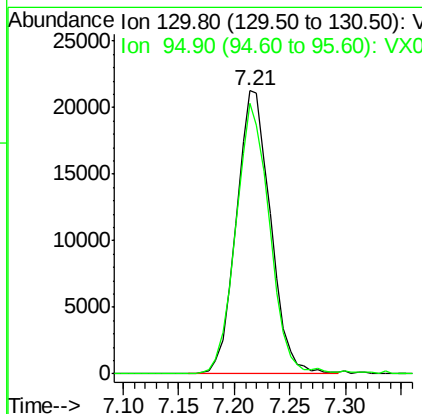
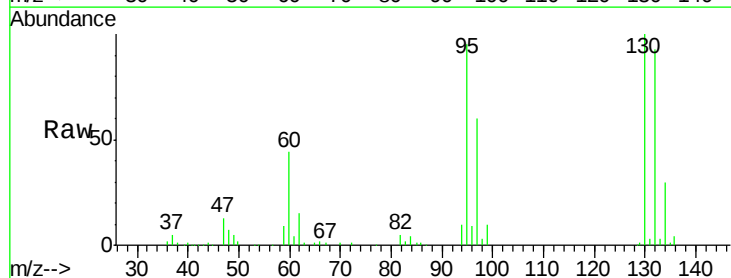
MMDadoda
 6/28/2018 2:26:25 PM



#44

Trichloroethene
 Concen: 16.15 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	185.4





#45

1,2-Dichloropropane

Concen: 15.92 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 40778

Ion Ratio Lower Upper

63 100

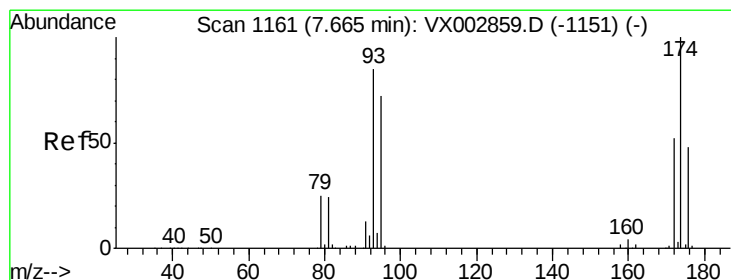
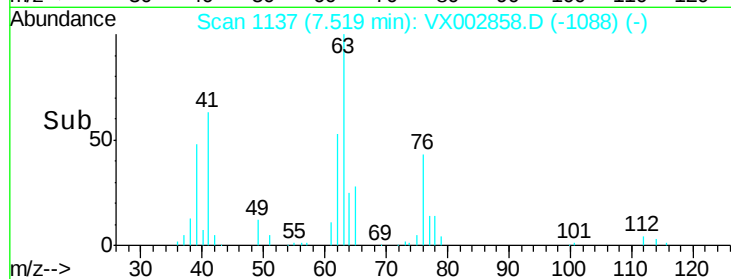
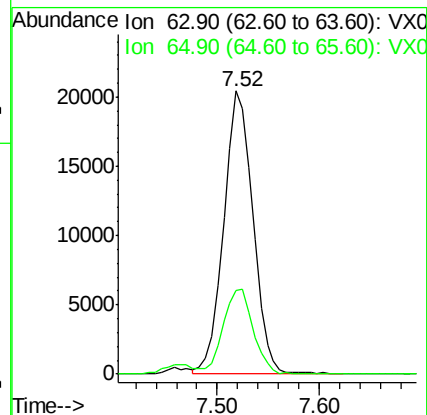
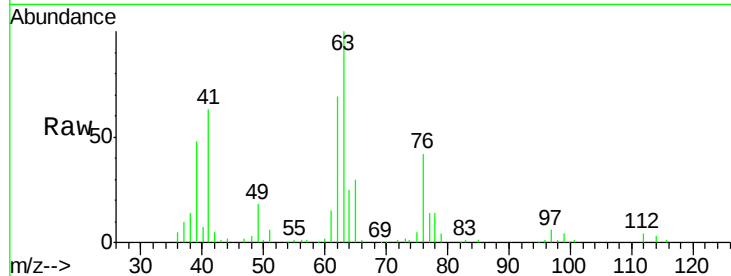
65 29.8 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 16.69 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

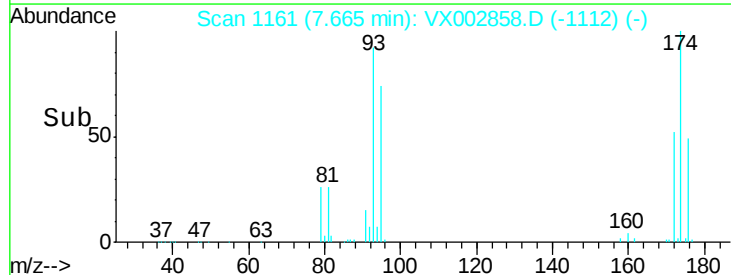
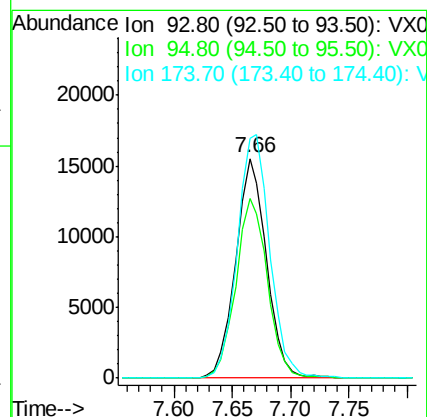
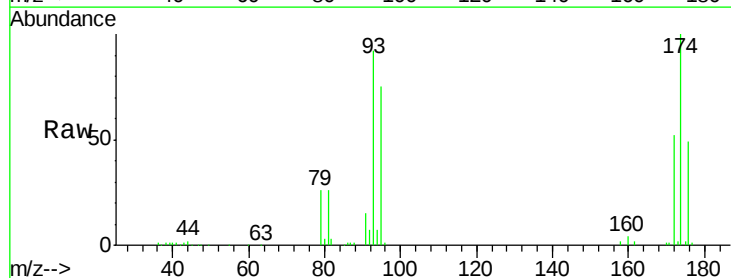
Tgt Ion: 93 Resp: 28595

Ion Ratio Lower Upper

93 100

95 84.1 65.9 98.9

174 117.0 92.4 138.6





#47

Bromodichloromethane

Concen: 16.88 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

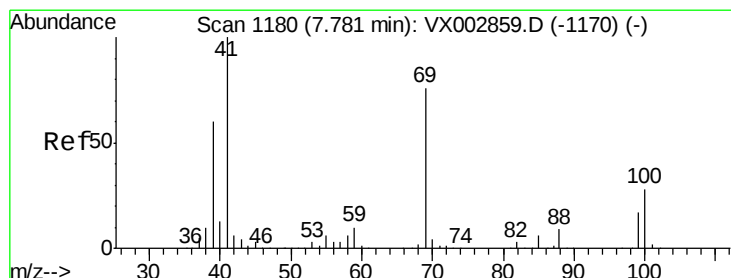
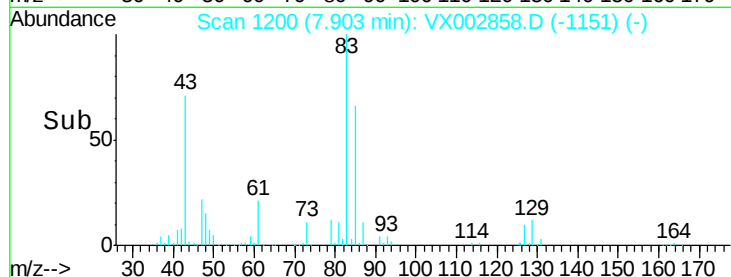
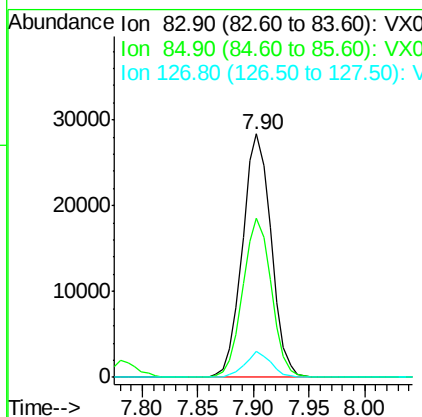
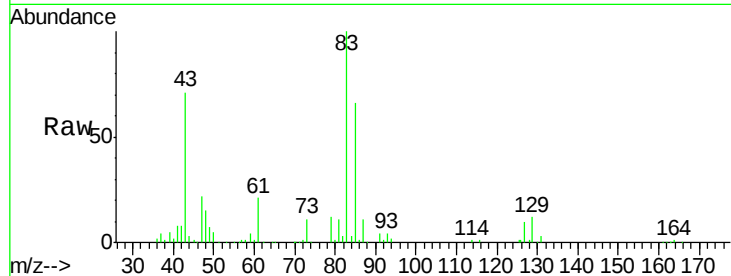
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	51012
Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.3	75.5
127	10.5	7.0	10.4#

Manual Integrations
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#48

Methyl methacrylate

Concen: 15.51 ug/l

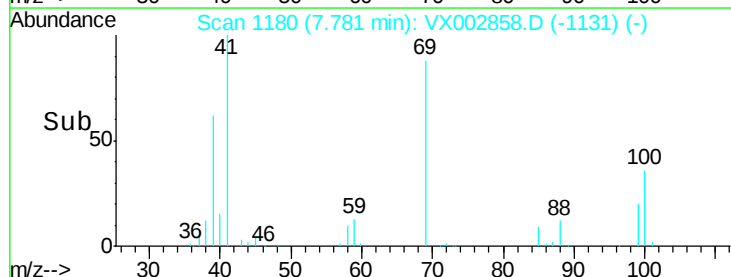
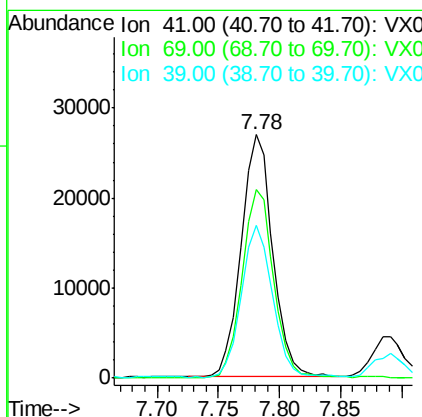
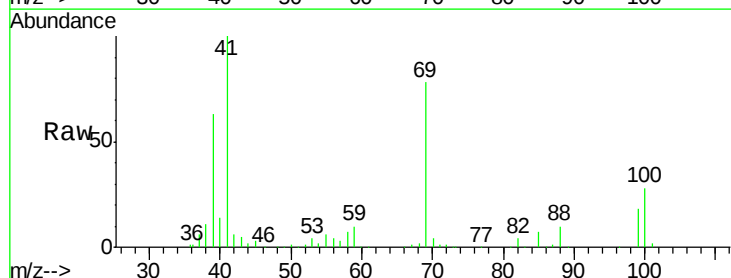
RT: 7.78 min Scan# 1180

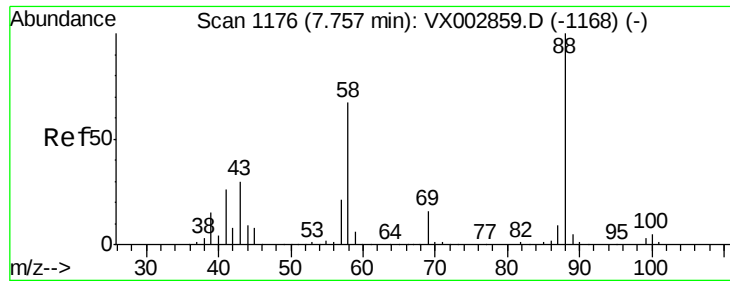
Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Tgt Ion:	41	Resp:	48232
Ion	Ratio	Lower	Upper
41	100		
69	78.3	59.1	88.7
39	61.3	48.9	73.3





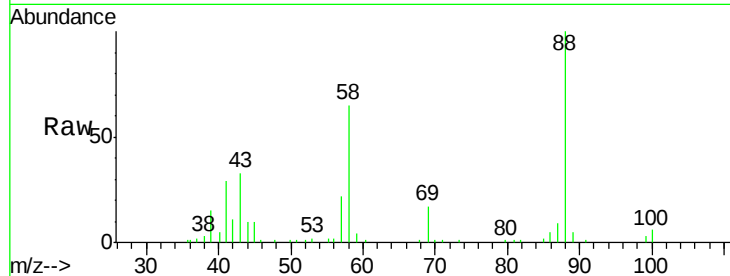
#49
1,4-Dioxane
Concen: 336.18 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	29.8	44.6
58	66.7	57.1	85.7

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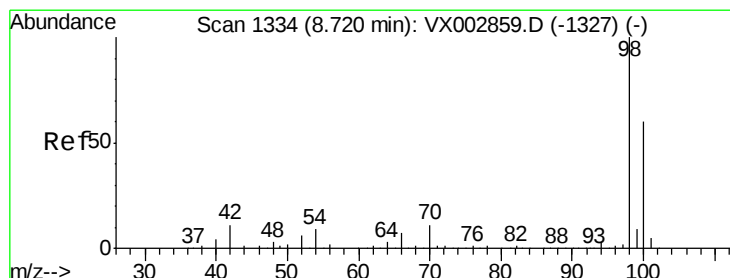
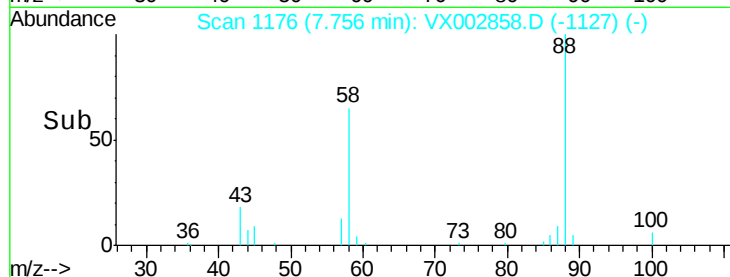
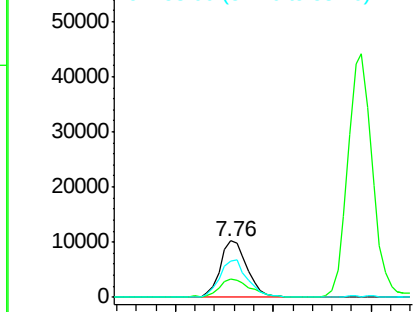


Abundance

Ion 88.00 (87.70 to 88.70): VX0

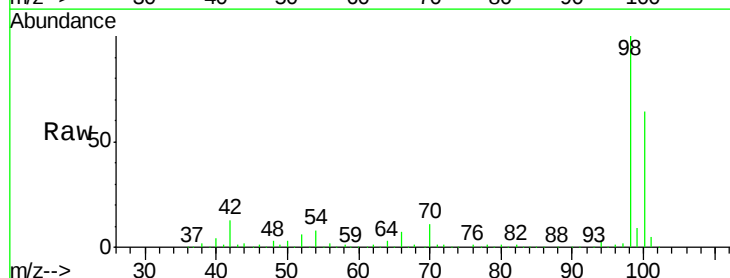
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 18.98 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

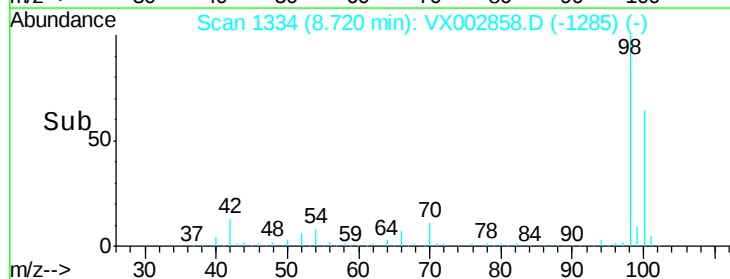
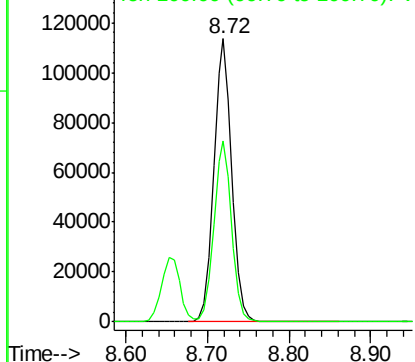
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	50.9	76.3

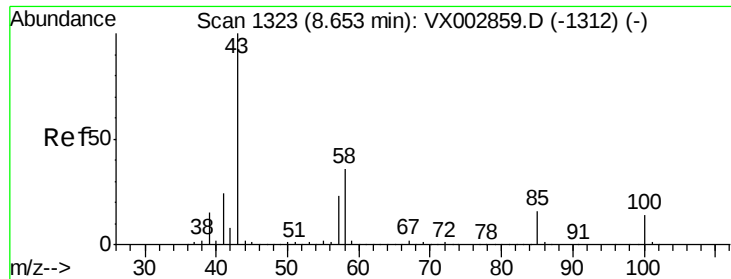


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 76.74 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 299868

Ion Ratio Lower Upper

43 100

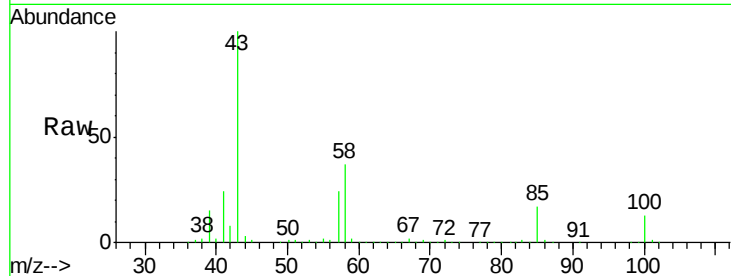
58 36.5 28.6 42.8

Manual Integrations

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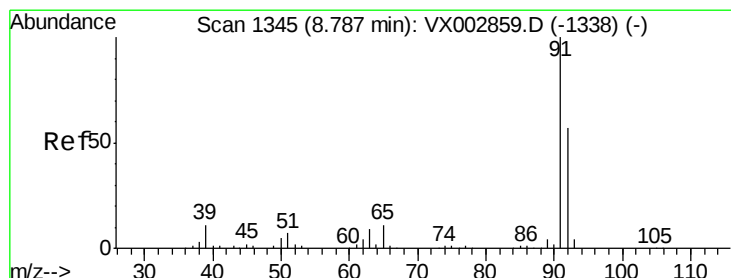
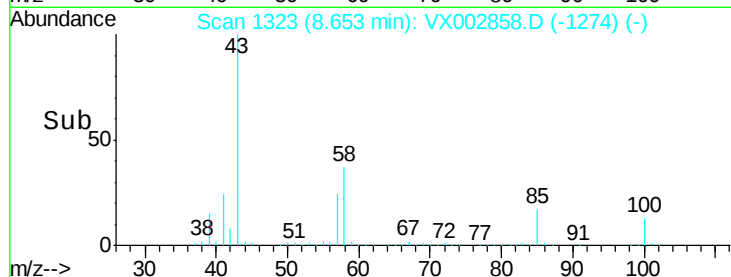
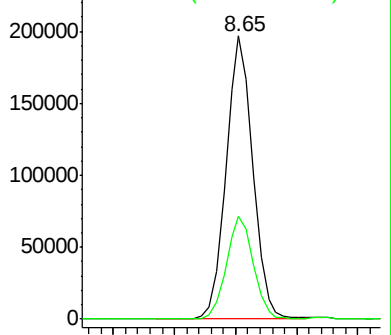
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 15.81 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002858.D

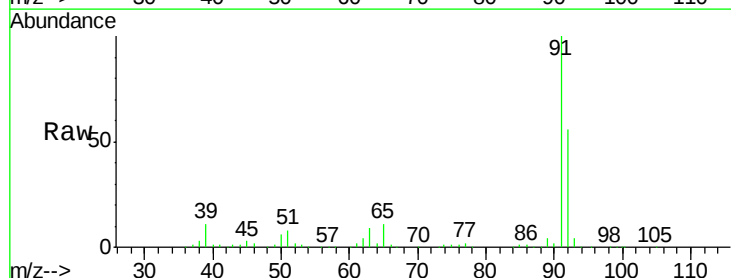
Acq: 25 Jun 2018 11:47

Tgt Ion: 92 Resp: 98115

Ion Ratio Lower Upper

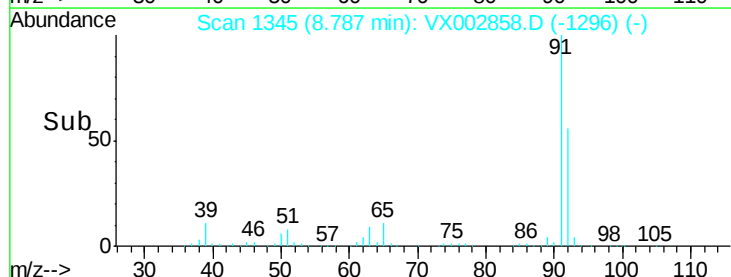
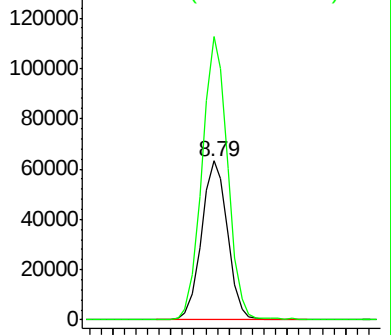
92 100

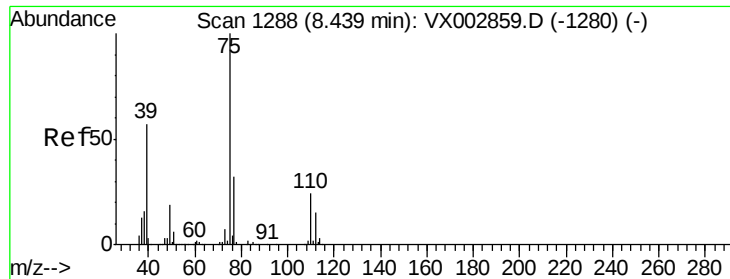
91 176.2 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





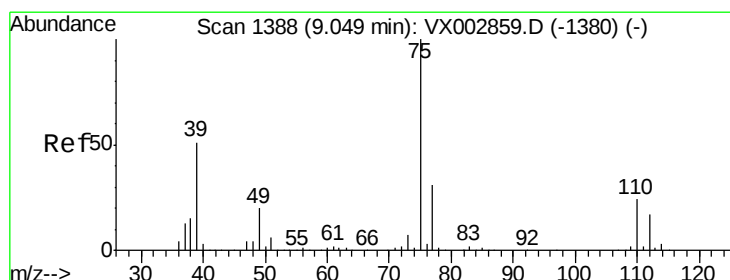
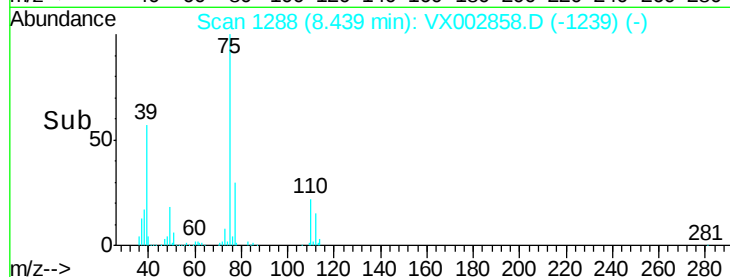
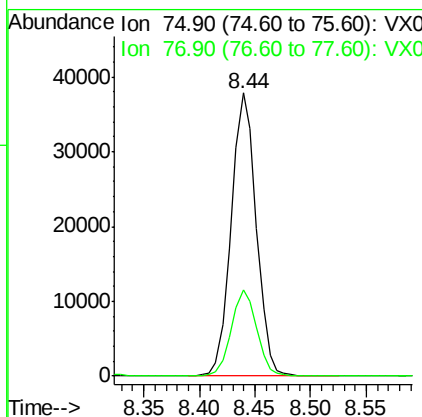
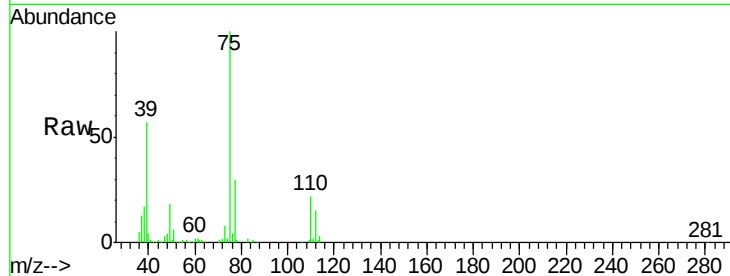
#53
t-1,3-Dichloropropene
Concen: 16.60 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.4	38.2

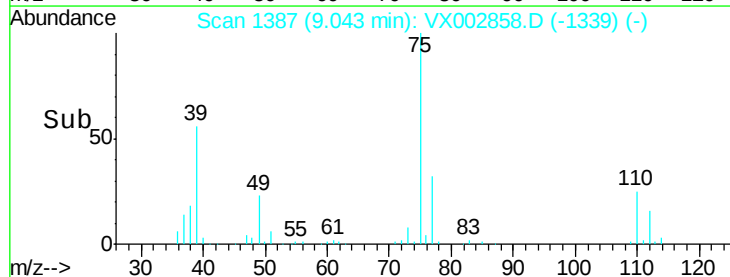
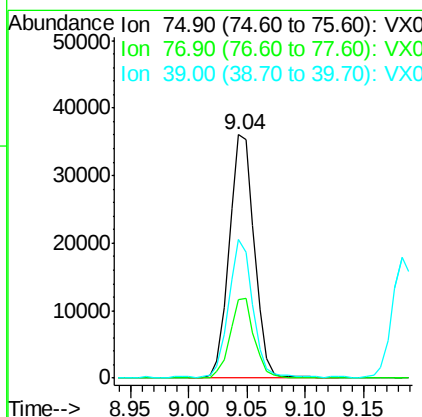
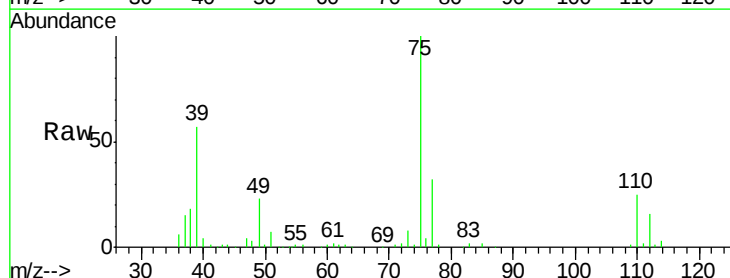
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#54
cis-1,3-Dichloropropene
Concen: 16.40 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.8	37.2
39	56.2	42.4	63.6





#55

1,1,2-Trichloroethane

Concen: 16.55 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

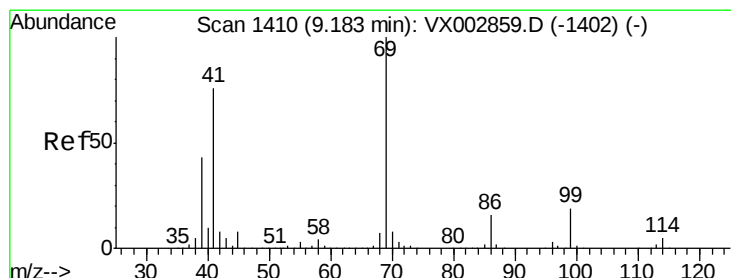
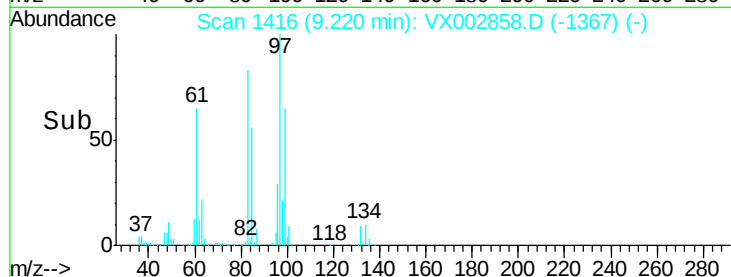
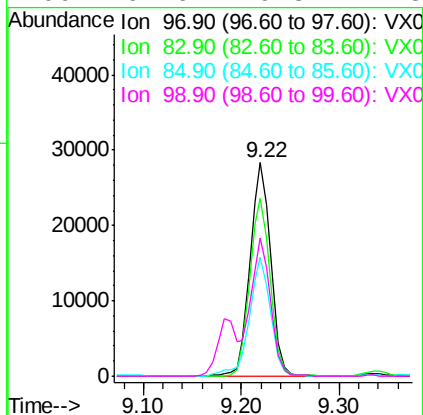
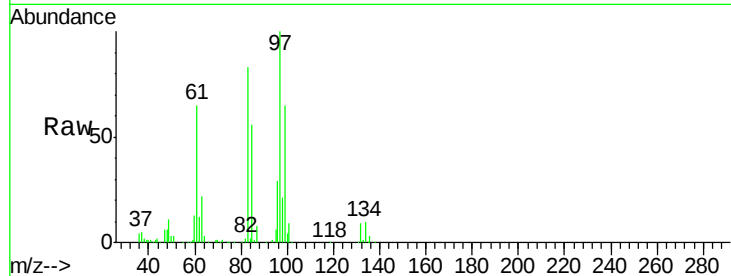
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	41523
Ion	Ratio	Lower	Upper
97	100		
83	83.5	70.2	105.2
85	55.9	44.9	67.3
99	64.6	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 15.04 ug/l

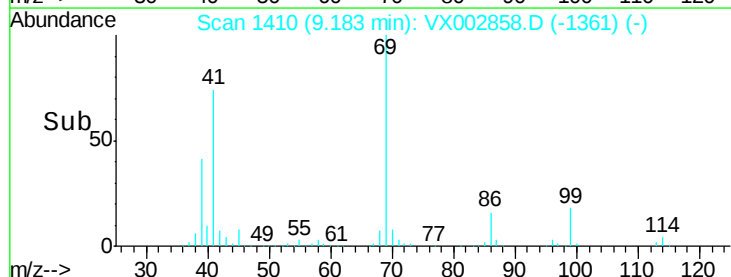
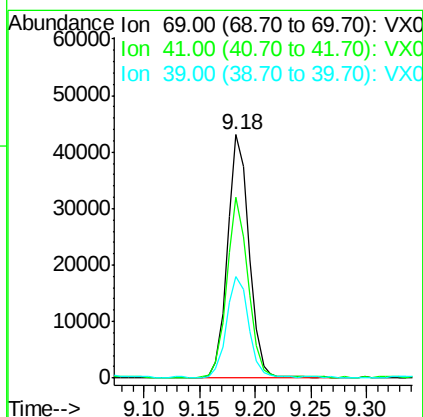
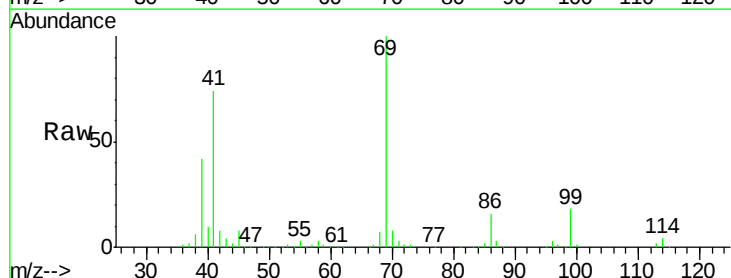
RT: 9.18 min Scan# 1410

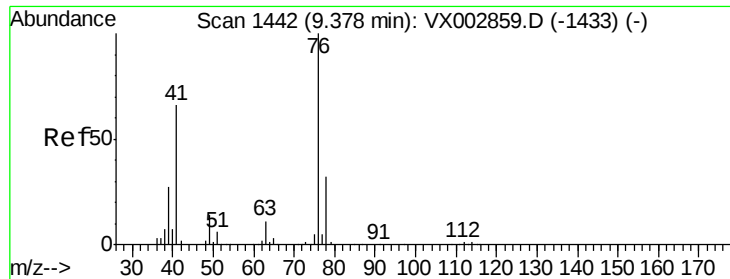
Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Tgt Ion:	69	Resp:	58056
Ion	Ratio	Lower	Upper
69	100		
41	72.8	60.3	90.5
39	42.5	35.8	53.8





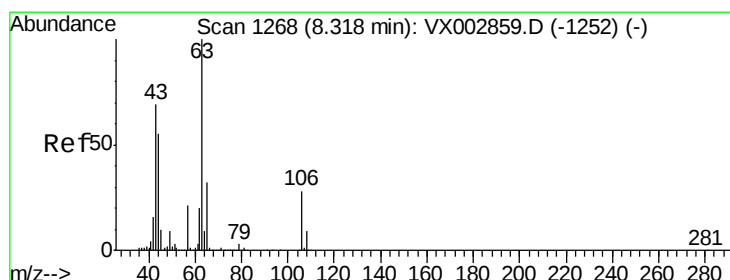
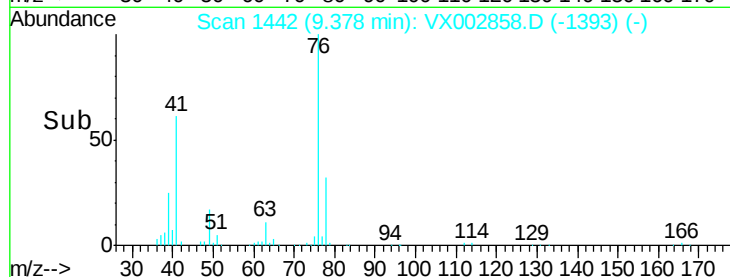
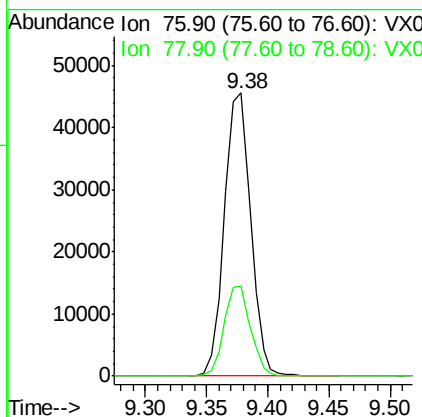
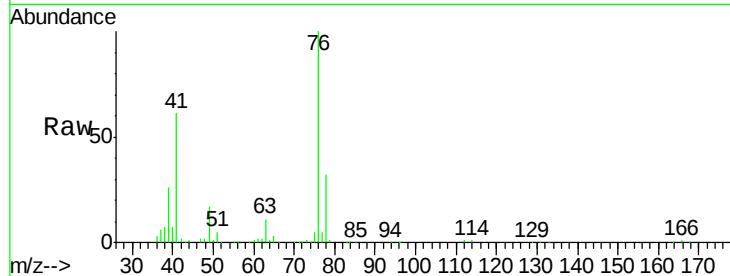
#57
 1,3-Dichloropropane
 Concen: 16.04 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.6

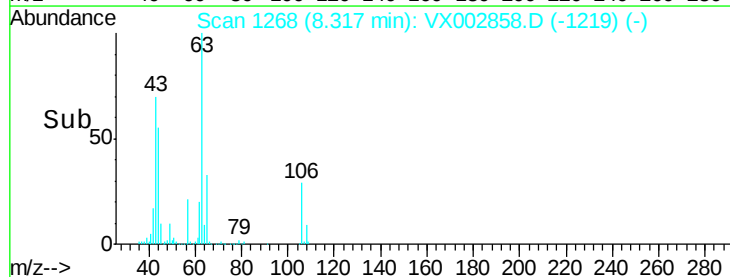
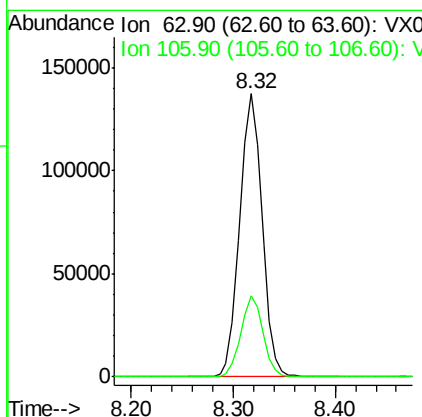
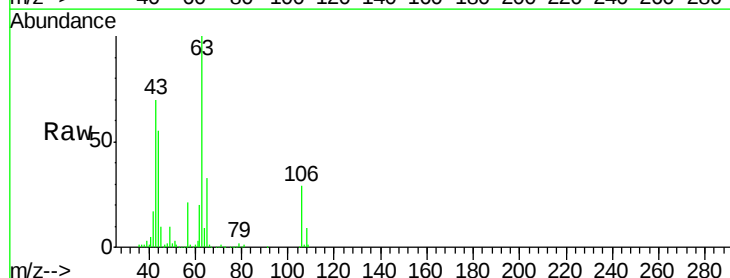
Manual Integrations
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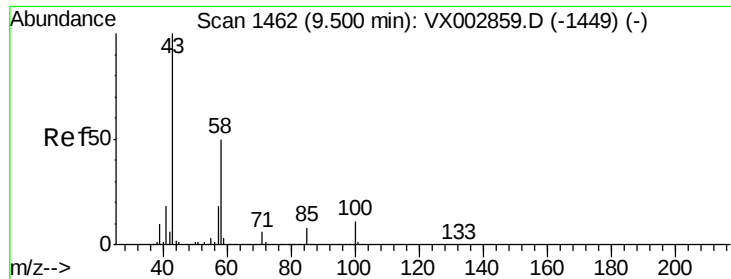
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#58
 2-Chloroethyl Vinyl ether
 Concen: 111.95 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.8





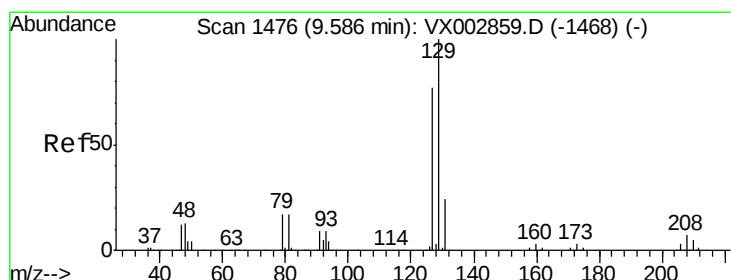
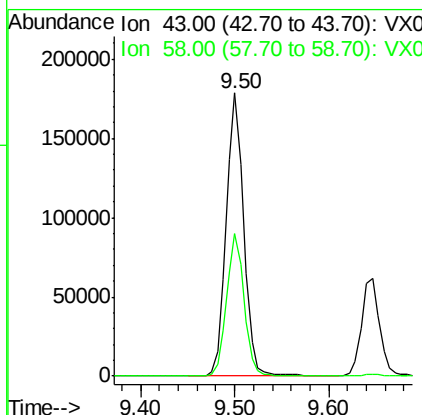
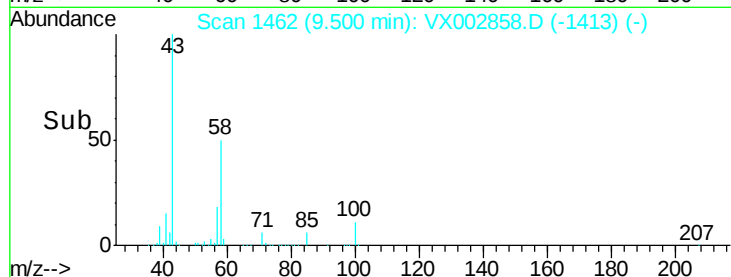
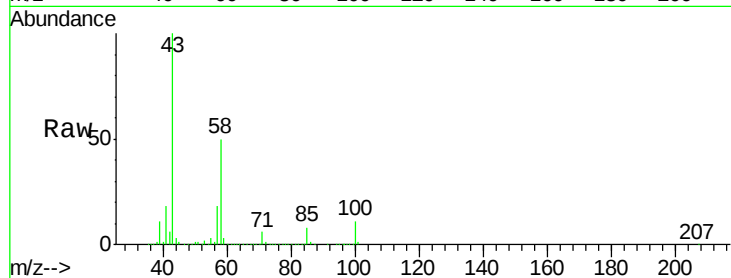
#59
2-Hexanone
Concen: 78.22 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.1	24.6	73.6

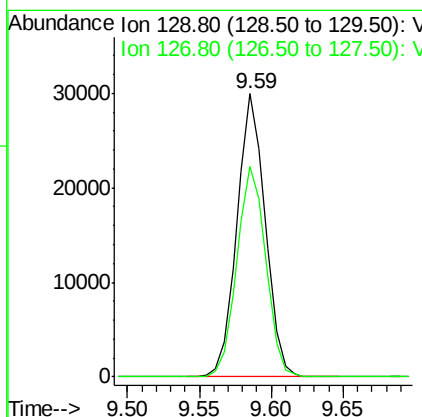
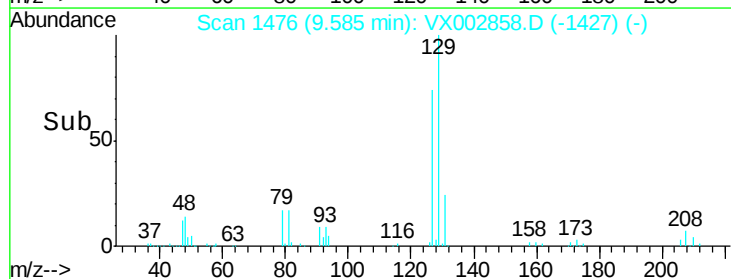
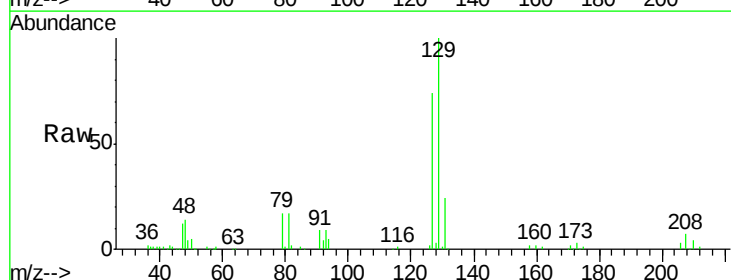
Manual Integrations
APPROVED

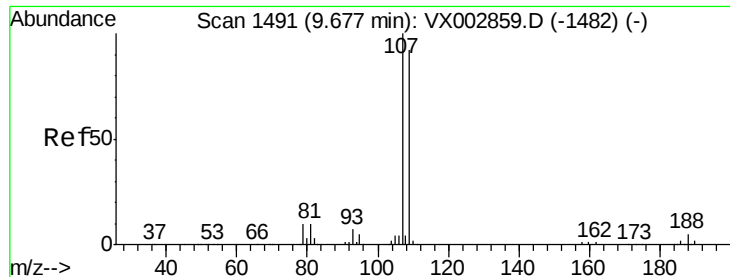
MMDadoda
6/28/2018 2:26:25 PM



#60
Dibromochloromethane
Concen: 16.91 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.8	38.5	115.3





#61

1,2-Dibromoethane

Concen: 16.37 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 42530

Ion Ratio Lower Upper

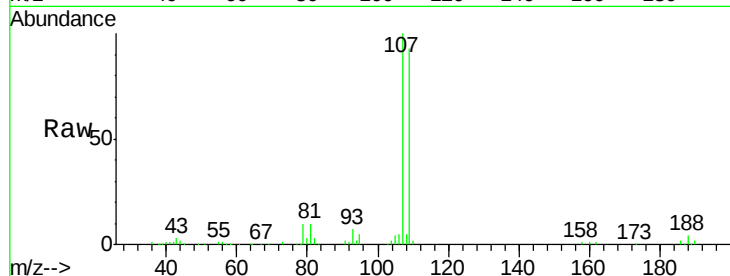
107 100

109 94.5 75.3 112.9

Manual Integrations
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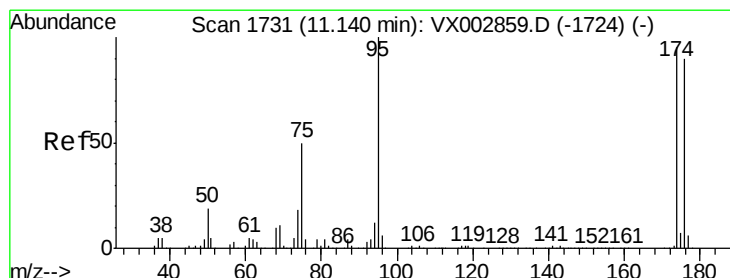
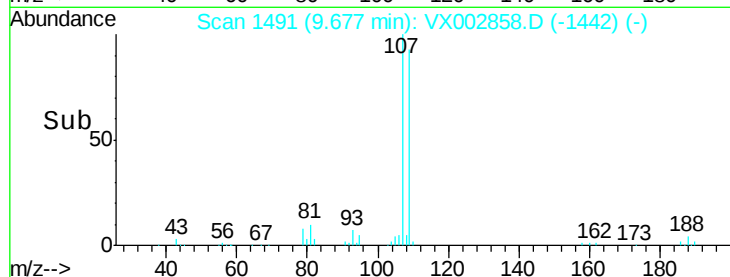
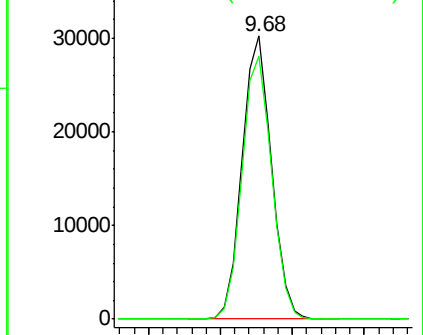
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

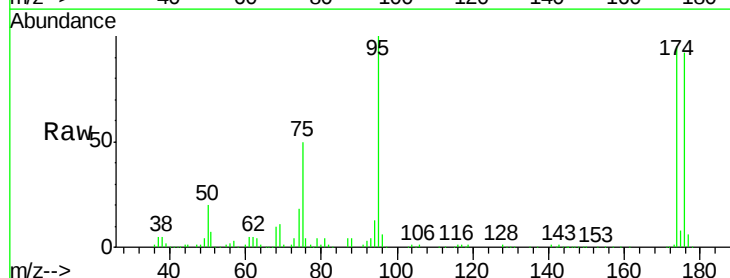
Tgt Ion: 95 Resp: 63837

Ion Ratio Lower Upper

95 100

174 97.3 0.0 187.4

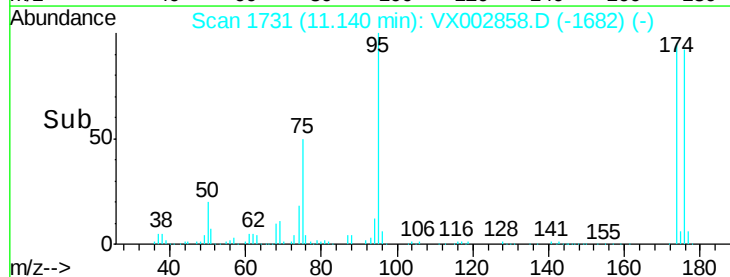
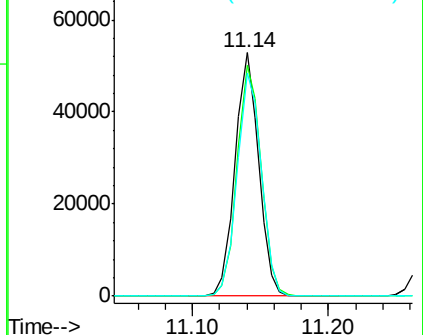
176 94.2 0.0 181.0

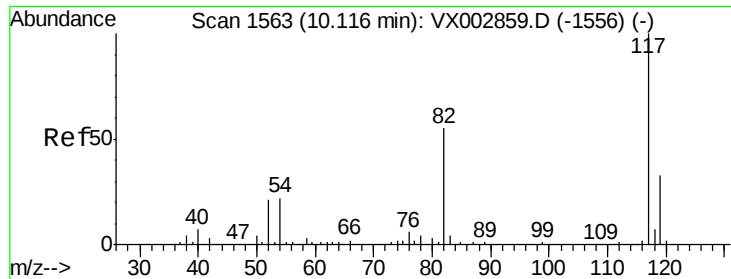


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





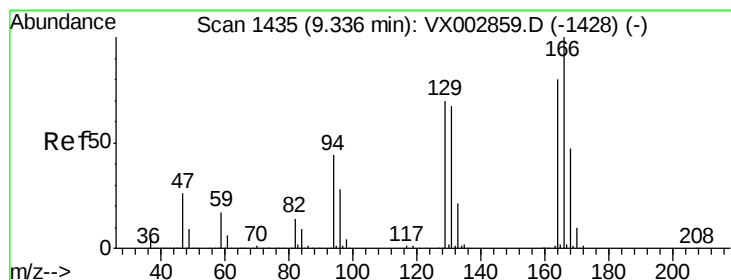
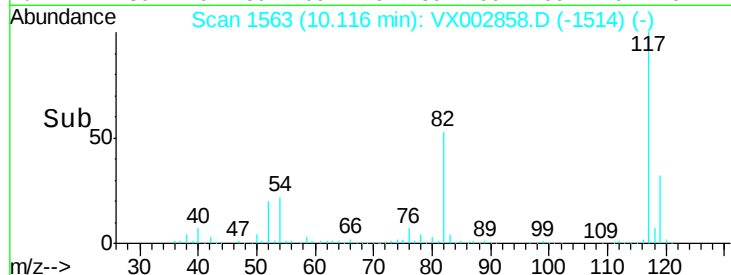
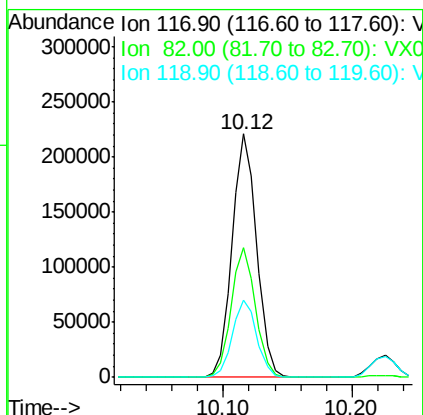
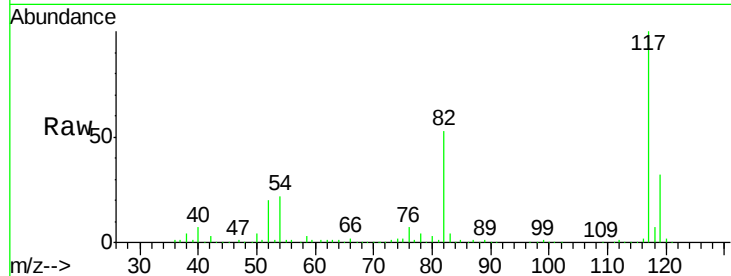
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	45.0	67.4
119	31.6	25.8	38.6

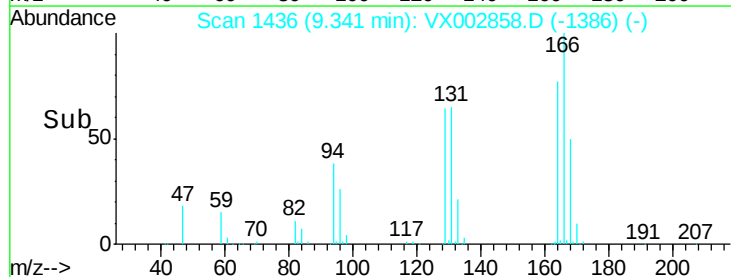
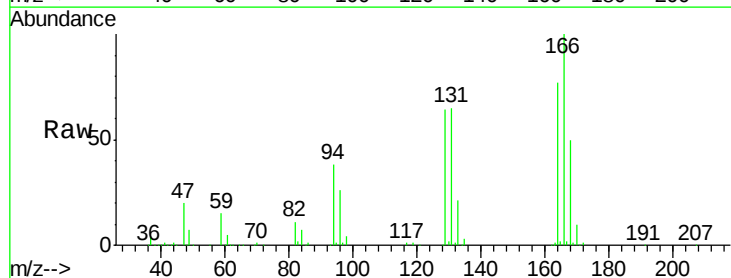
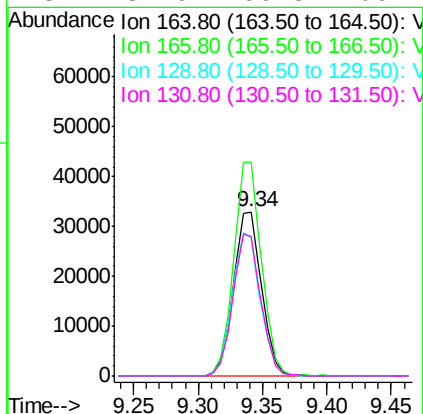
Manual Integrations
APPROVED

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#64
Tetrachloroethene
Concen: 15.28 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	102.9	154.3
129	83.7	68.6	102.8
131	84.9	66.8	100.2





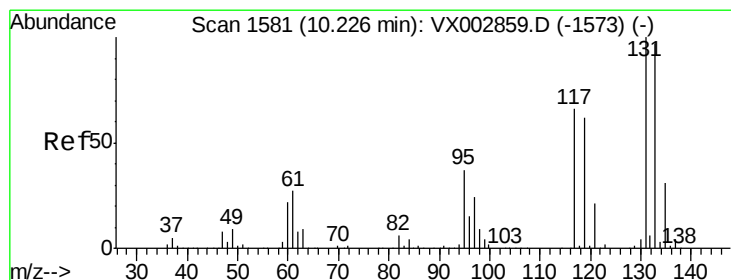
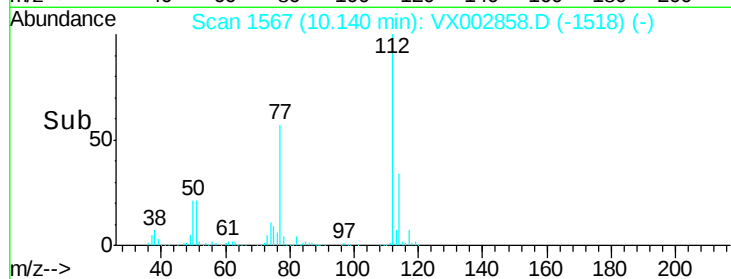
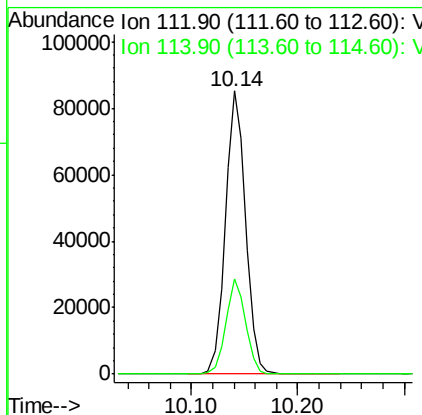
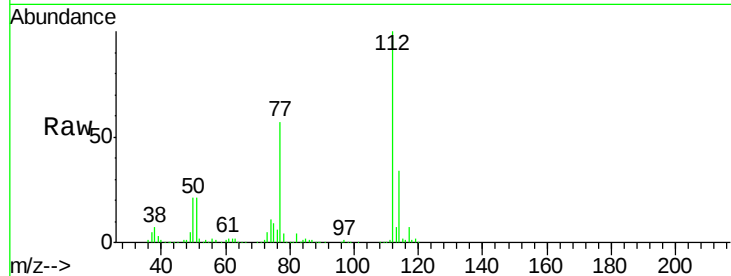
#65
Chlorobenzene
Concen: 15.60 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.6	25.3	37.9

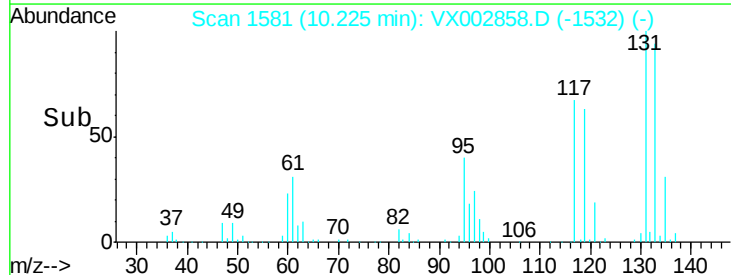
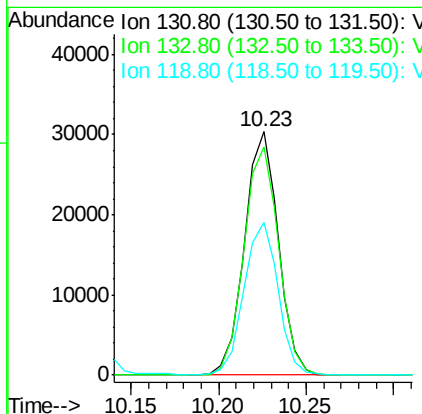
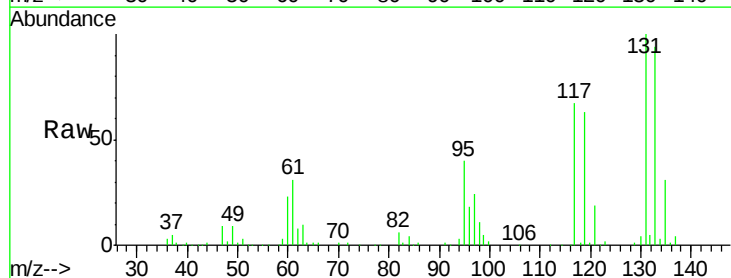
Manual Integrations
APPROVED

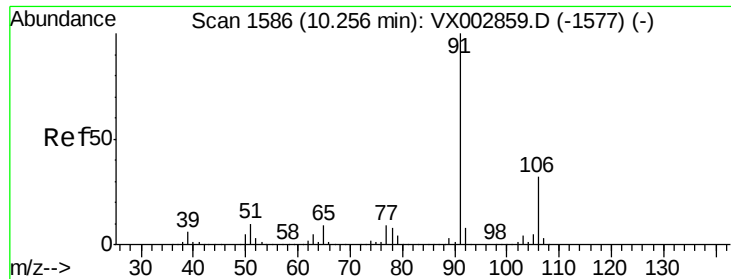
MMDadoda
6/28/2018 2:26:25 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 16.60 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.9	143.6
119	63.1	31.8	95.3





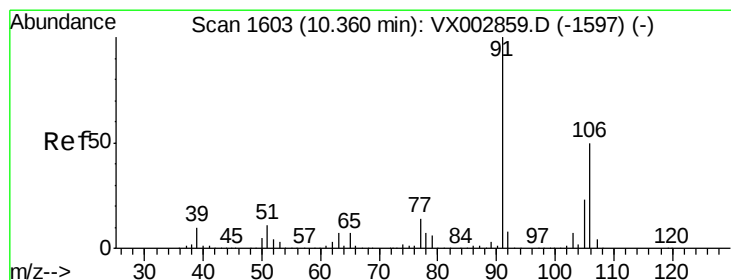
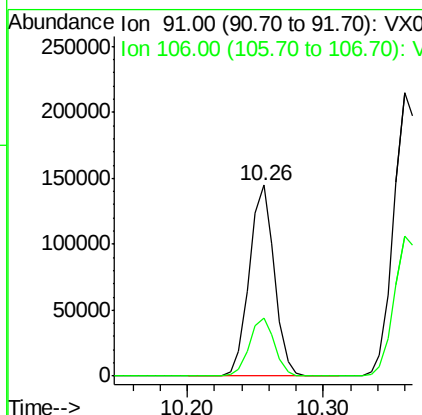
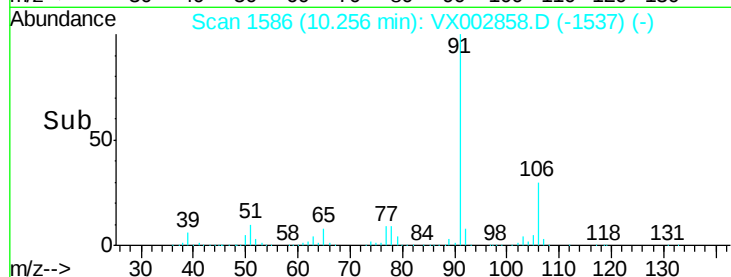
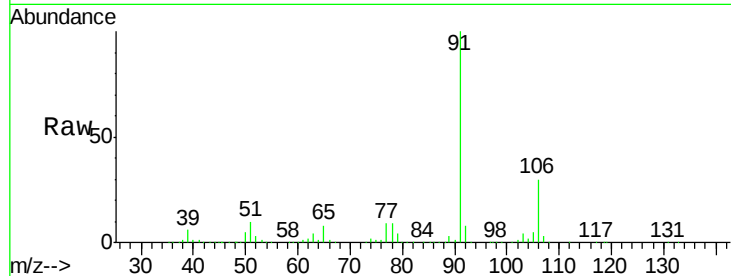
#67
Ethyl Benzene
Concen: 15.31 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 187076
Ion Ratio Lower Upper
91 100
106 30.5 25.5 38.3

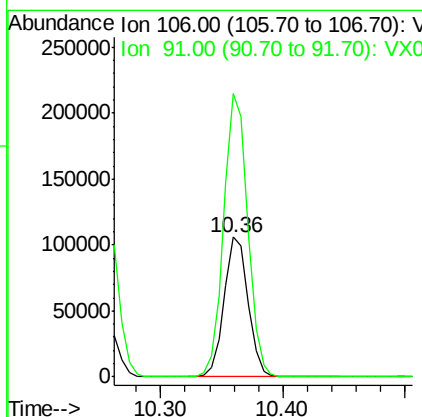
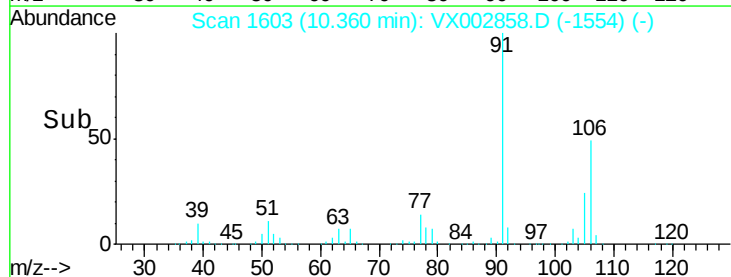
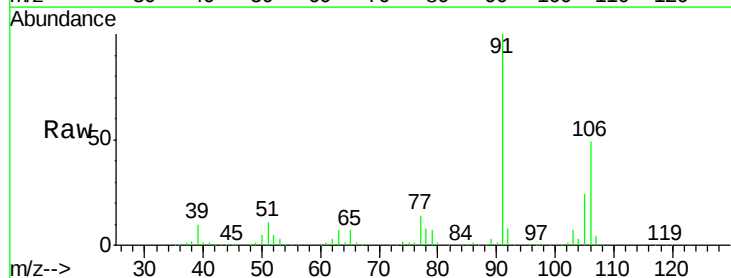
Manual Integrations
APPROVED

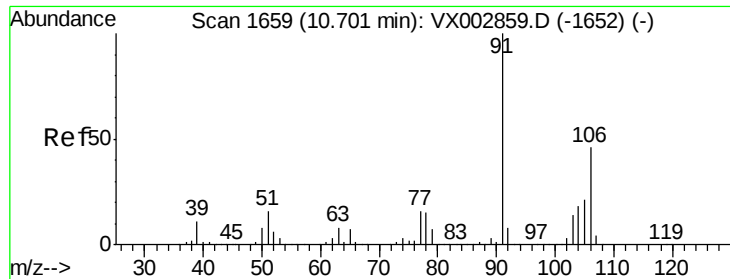
MMDadoda
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#68
m/p-Xylenes
Concen: 30.39 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion: 106 Resp: 143282
Ion Ratio Lower Upper
106 100
91 202.9 163.4 245.2





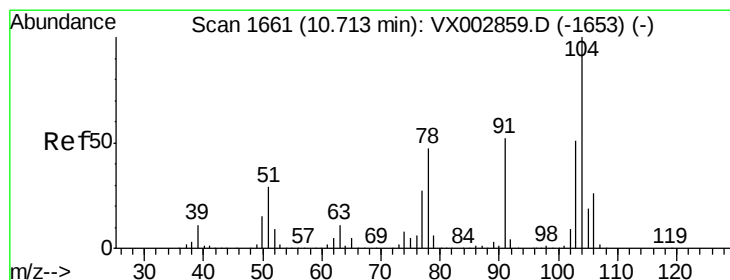
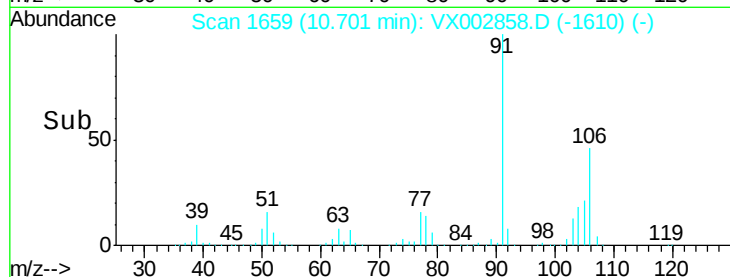
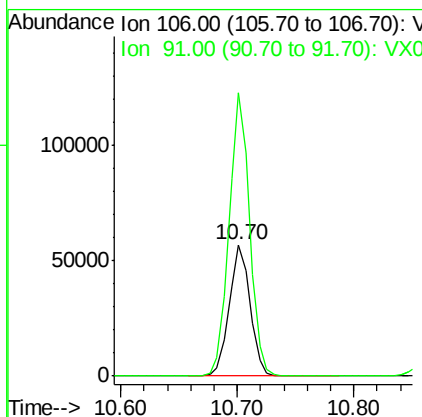
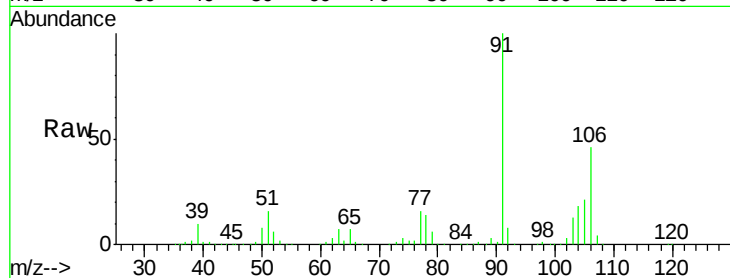
#69
o-Xylene
Concen: 15.30 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 70892
Ion Ratio Lower Upper
106 100
91 212.5 108.2 324.6

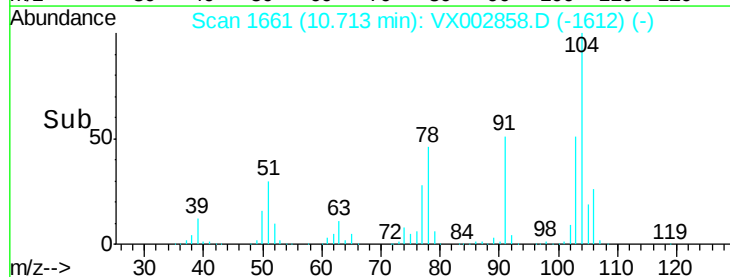
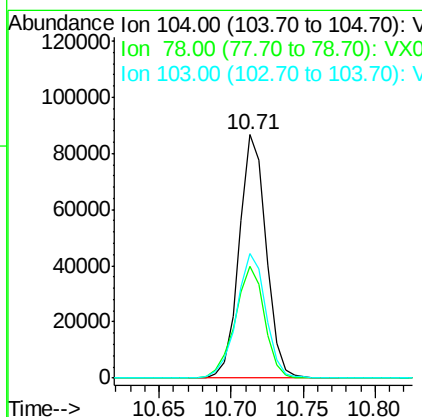
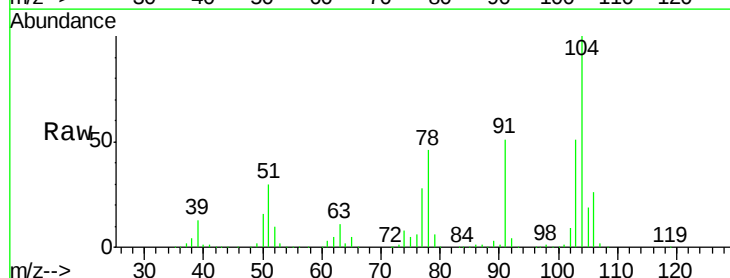
Manual Integrations
APPROVED

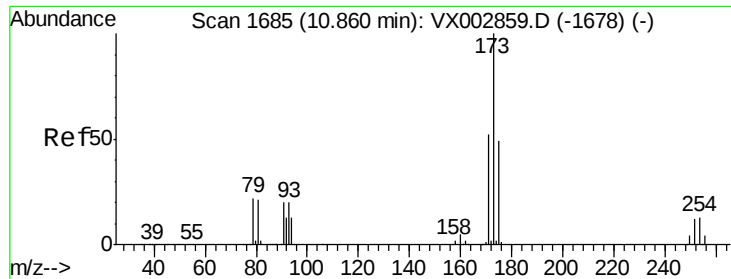
MMDadoda
6/28/2018 2:26:25 PM



#70
Styrene
Concen: 14.77 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion:104 Resp: 112517
Ion Ratio Lower Upper
104 100
78 50.6 41.0 61.6
103 55.9 44.2 66.4





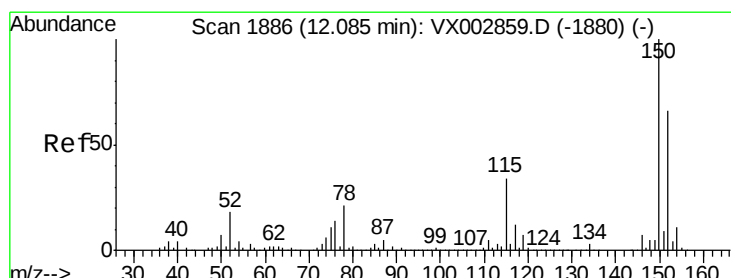
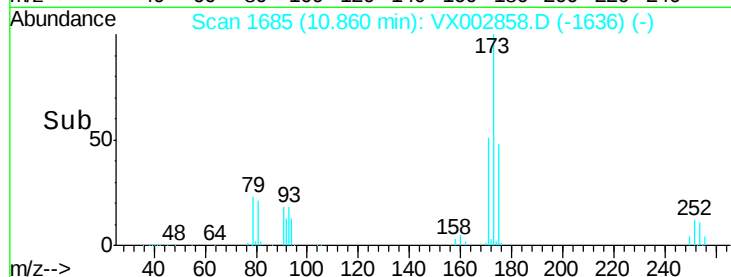
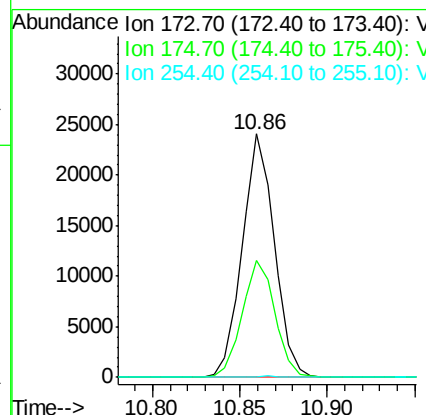
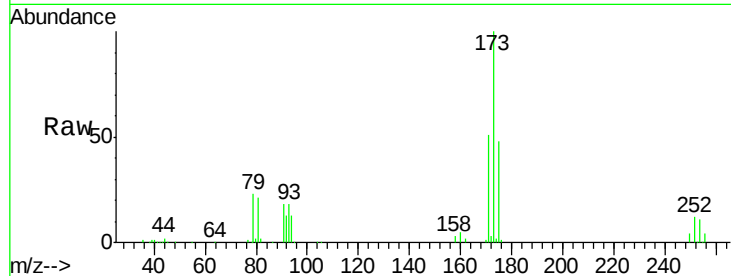
#71
Bromoform
Concen: 16.51 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.7	74.1
254	0.4	0.2	0.2#

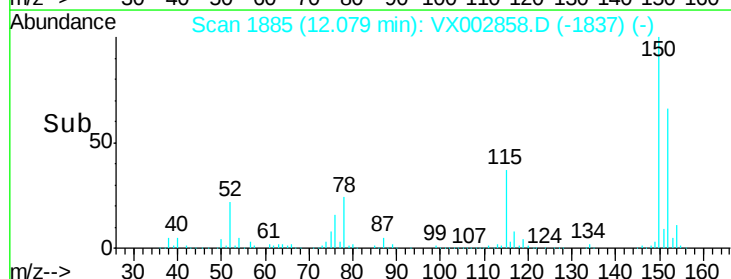
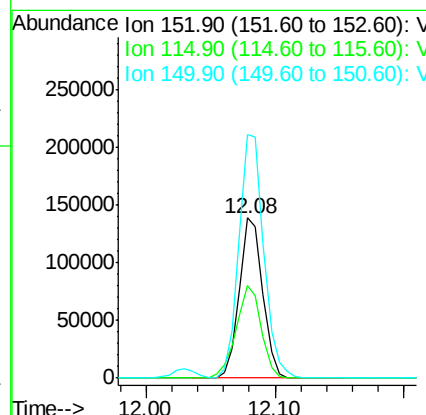
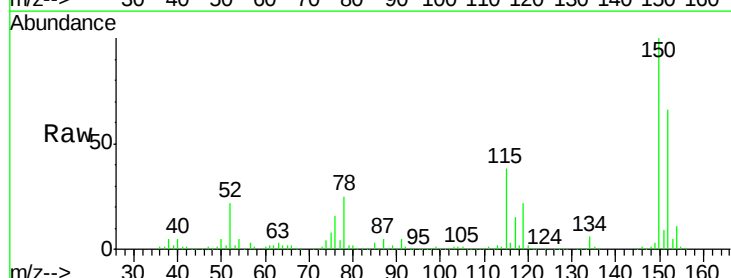
Manual Integrations
APPROVED

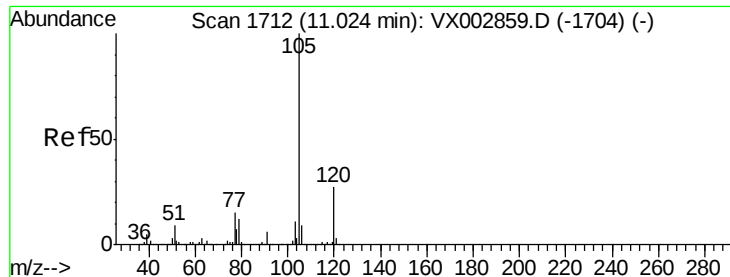
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.4	40.1	120.2
150	162.3	0.0	347.2





#73

Isopropylbenzene

Concen: 16.01 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 187770

Ion Ratio Lower Upper

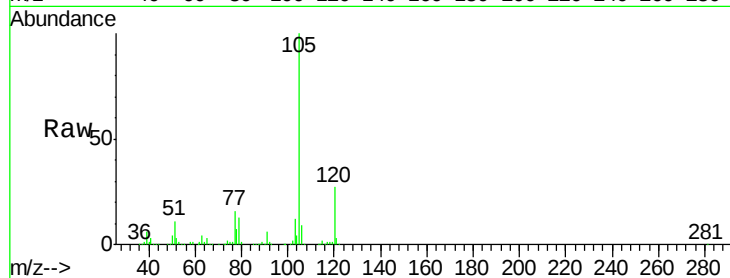
105 100

120 27.8 13.5 40.4

Manual Integrations
APPROVED

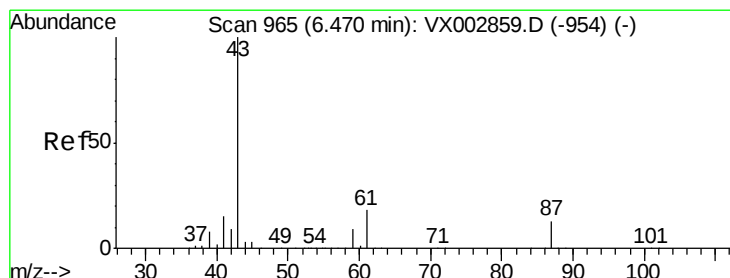
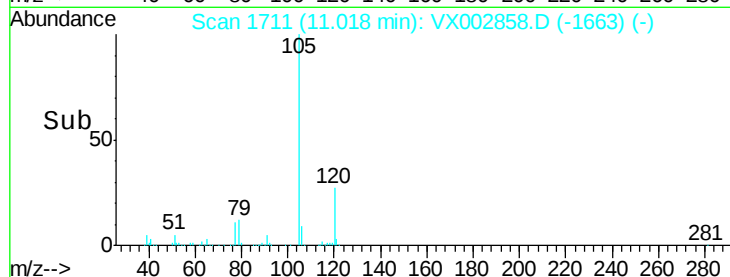
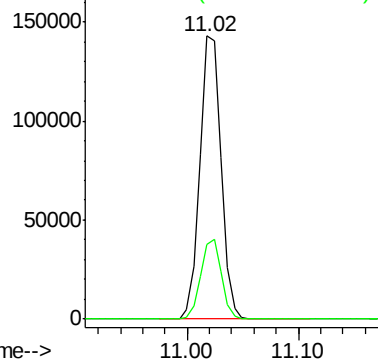
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 15.80 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Tgt Ion: 43 Resp: 92120

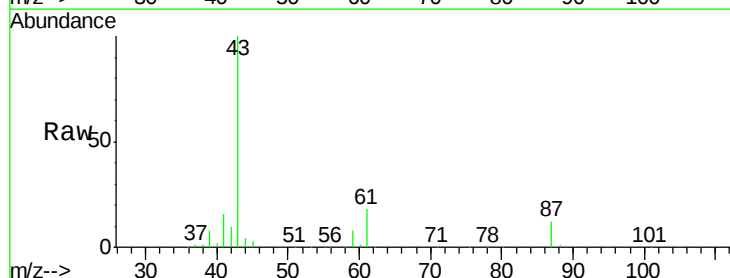
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 18.6 14.4 21.6

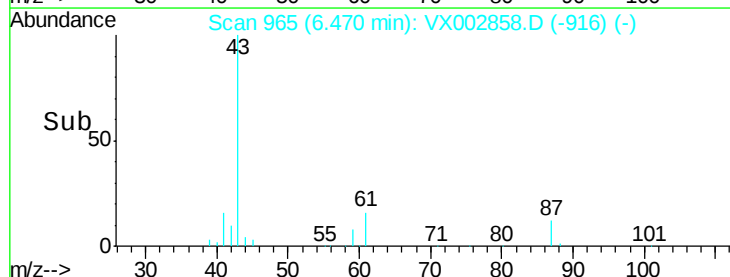
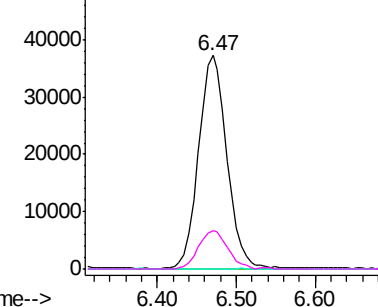


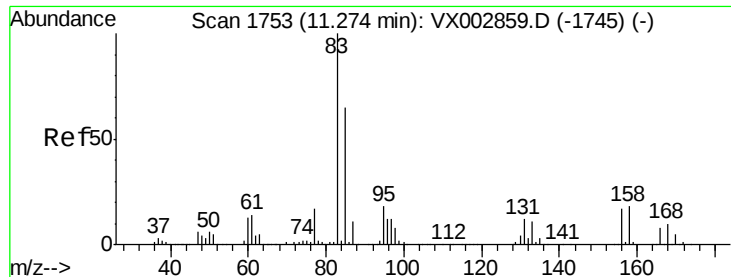
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 16.94 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 58698

Ion Ratio Lower Upper

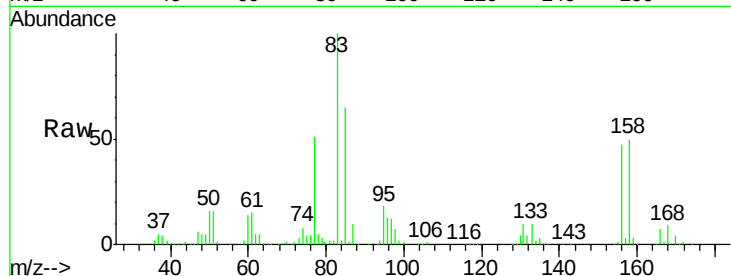
83 100

131 11.2 5.6 16.8

85 65.1 32.4 97.2

Manual Integrations
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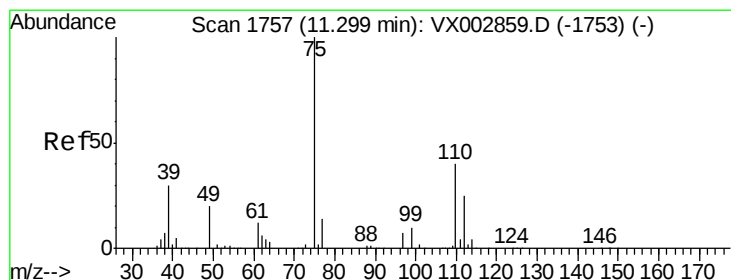
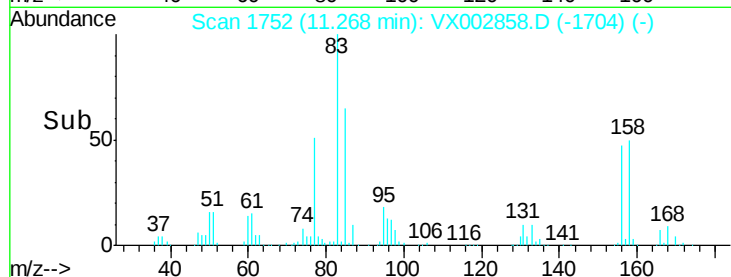
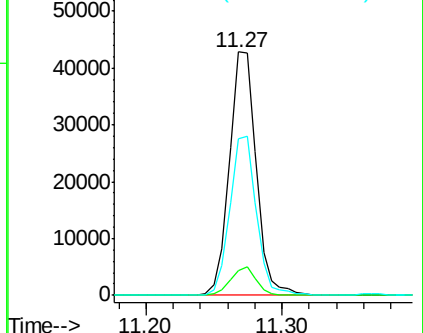
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 15.82 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002858.D

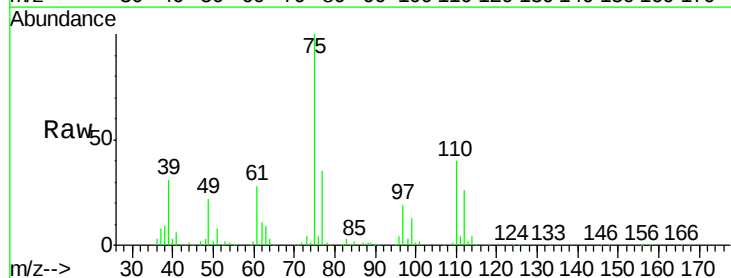
Acq: 25 Jun 2018 11:47

Tgt Ion: 75 Resp: 52362

Ion Ratio Lower Upper

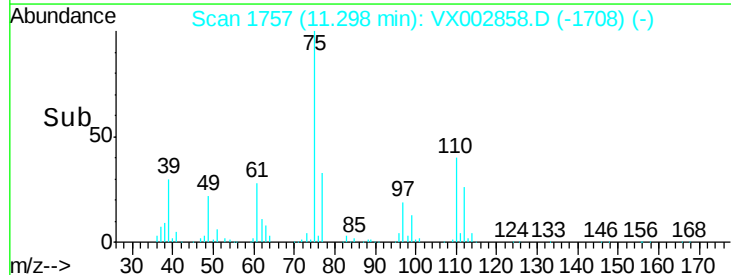
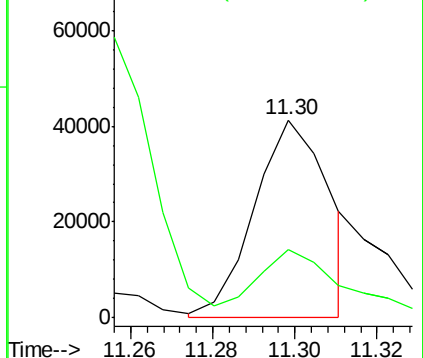
75 100

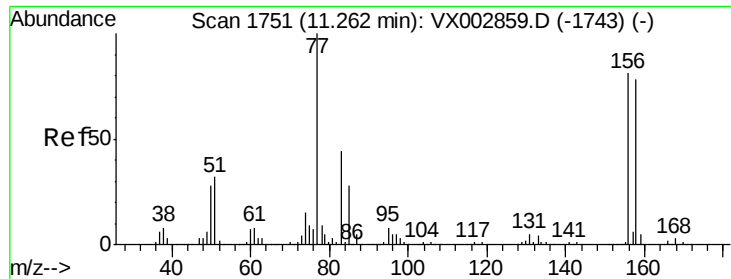
77 40.8 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 16.27 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

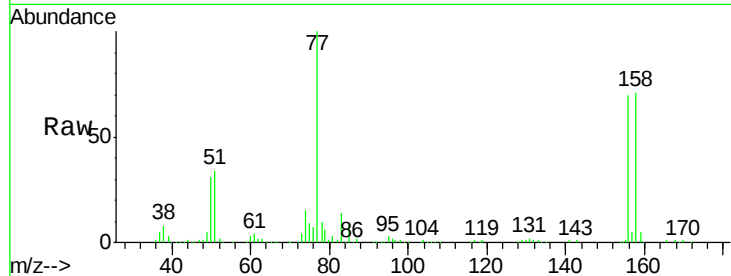
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	53162
Ion	Ratio	Lower	Upper
156	100		
77	140.0	71.4	214.2
158	100.4	48.9	146.6

Manual Integrations
APPROVED

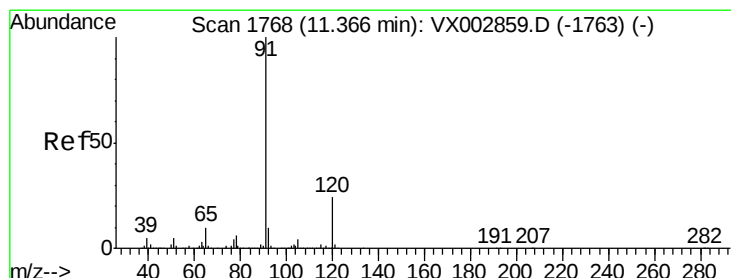
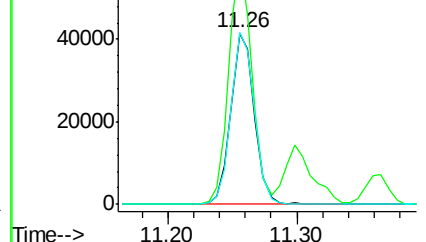
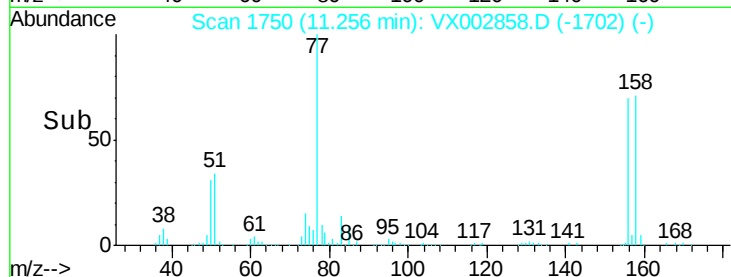
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 15.94 ug/l

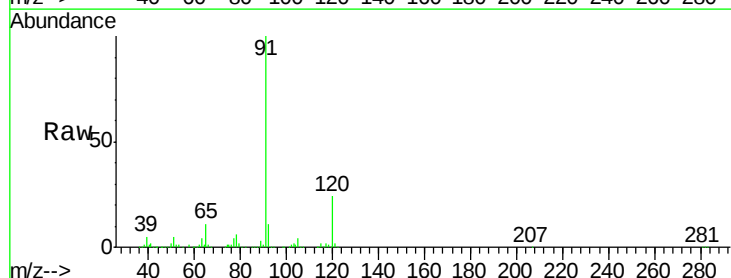
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002858.D

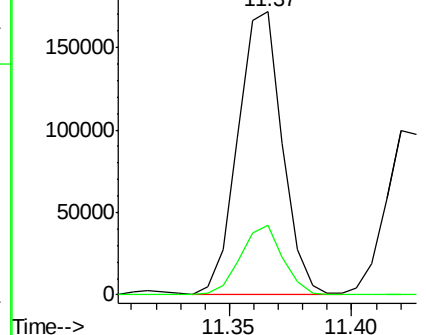
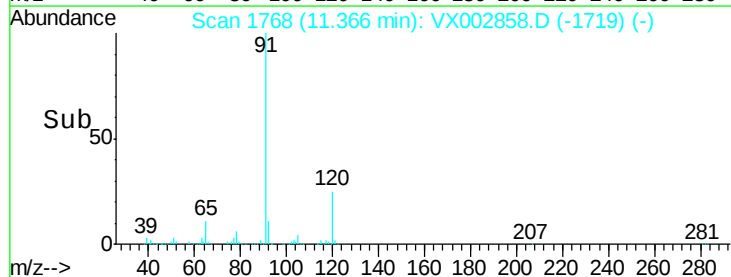
Acq: 25 Jun 2018 11:47

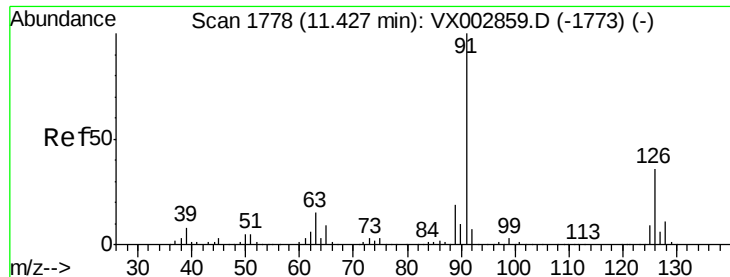
Tgt Ion:	91	Resp:	214439
Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 16.17 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 129861

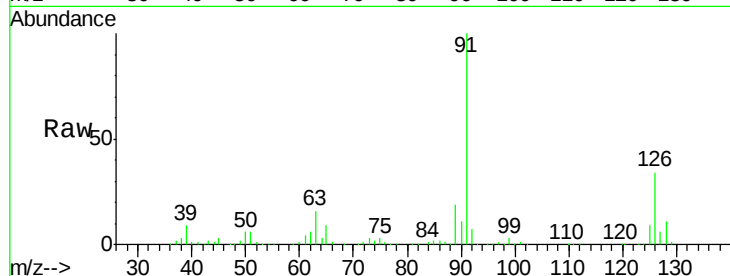
Ion Ratio Lower Upper

91 100

126 35.3 17.7 53.1

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Abundance Ion 91.00 (90.70 to 91.70): VX002858.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX002858.D (-1773) (-)

200000

150000

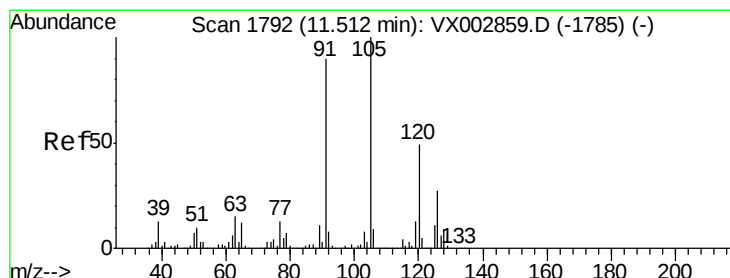
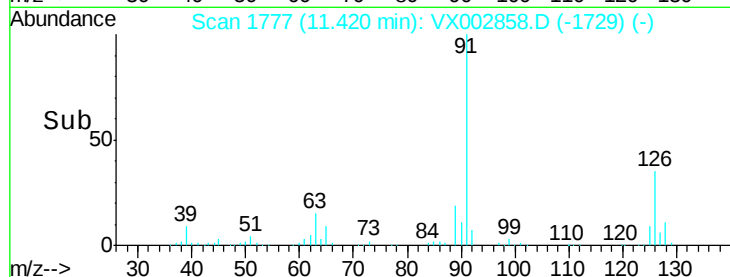
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 15.98 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002858.D

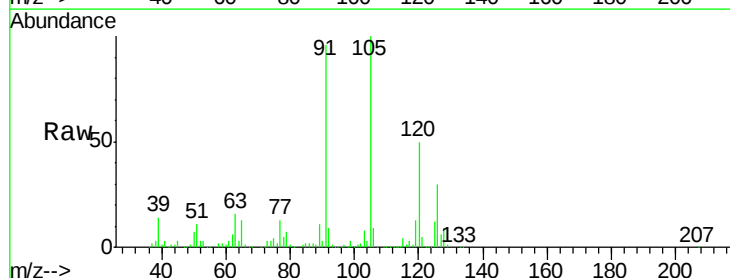
Acq: 25 Jun 2018 11:47

Tgt Ion: 105 Resp: 158430

Ion Ratio Lower Upper

105 100

120 48.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002858.D (-1743) (-)

Ion 120.00 (119.70 to 120.70): VX002858.D (-1743) (-)

150000

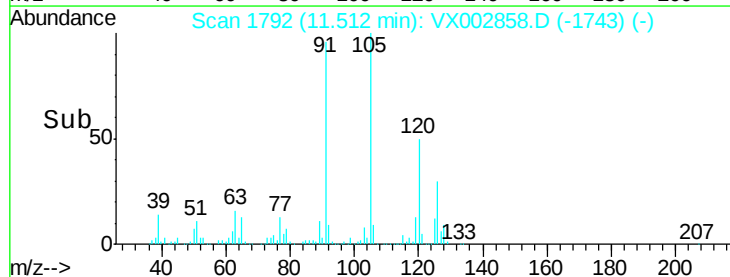
100000

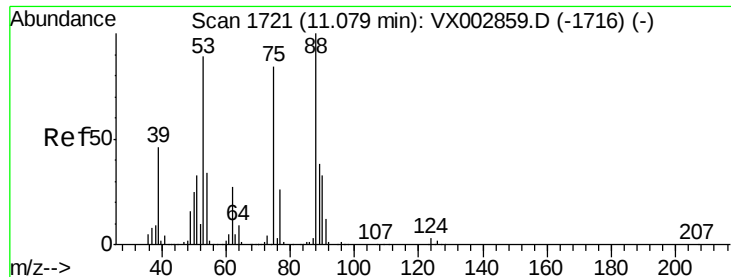
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.15 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

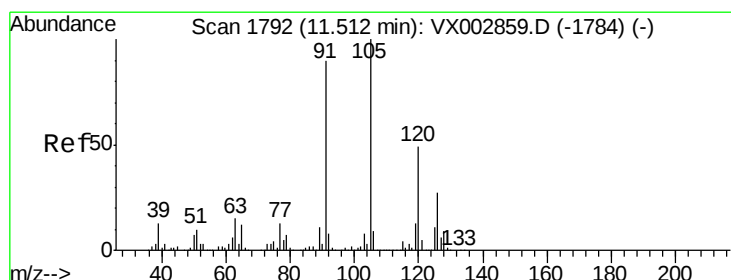
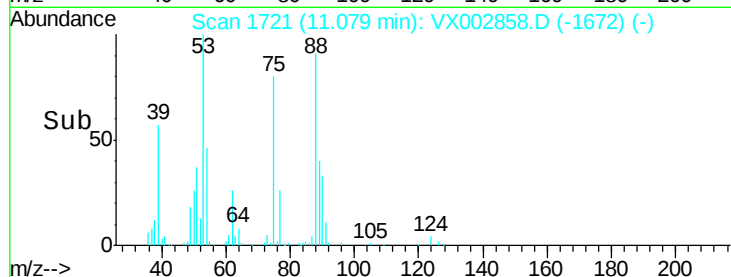
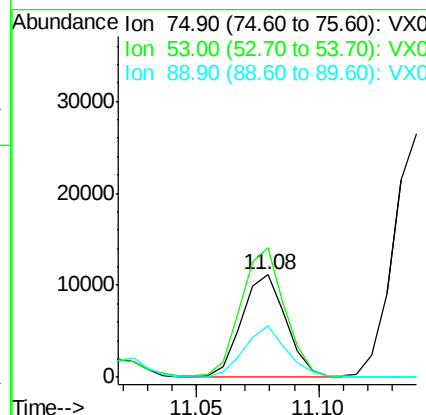
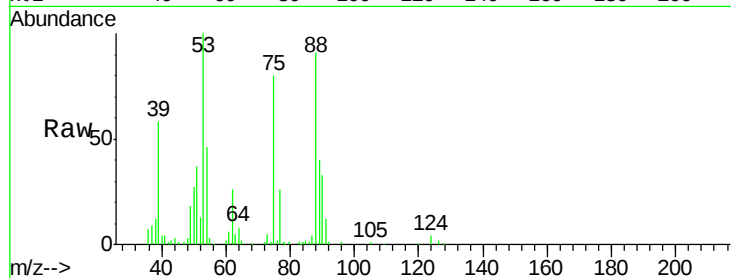
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	14125
Ion	Ratio	Lower	Upper
75	100		
53	125.0	86.8	130.2
89	48.6	38.2	57.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 16.03 ug/l

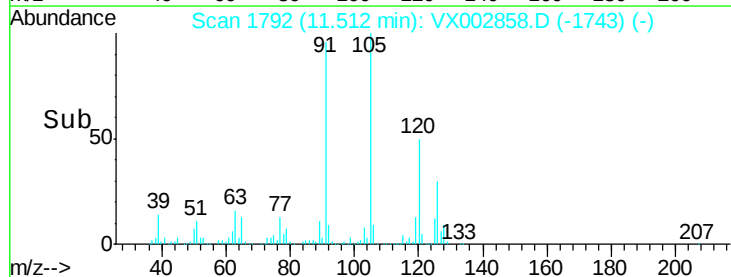
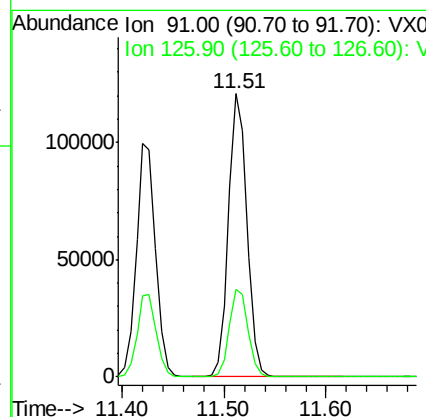
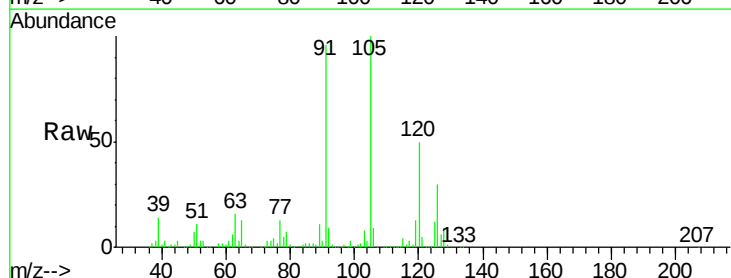
RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Tgt Ion:	91	Resp:	151892
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.4	46.4





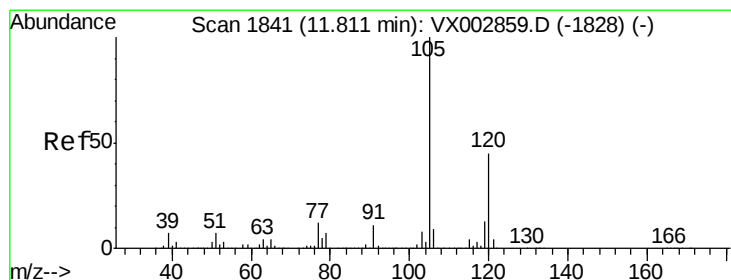
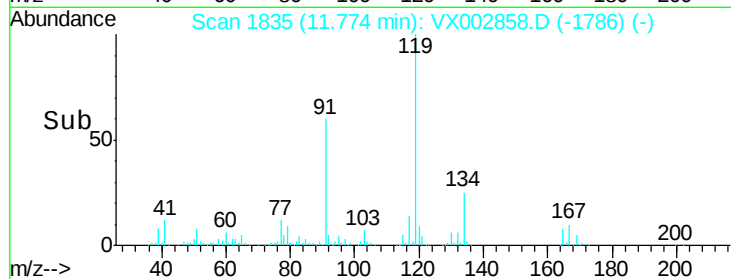
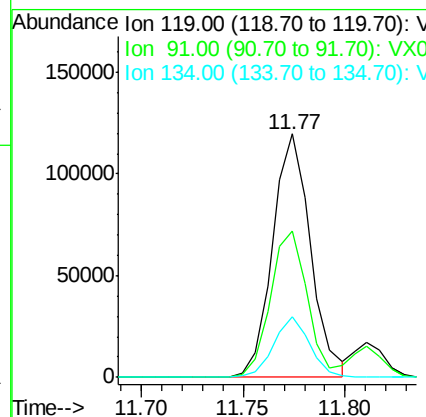
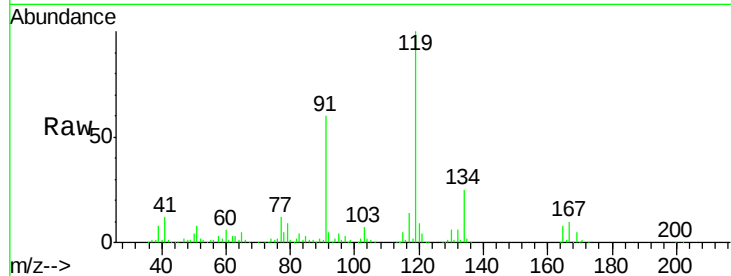
#83
 tert-Butylbenzene
 Concen: 16.24 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.0	30.3	90.9
134	23.6	11.7	35.1

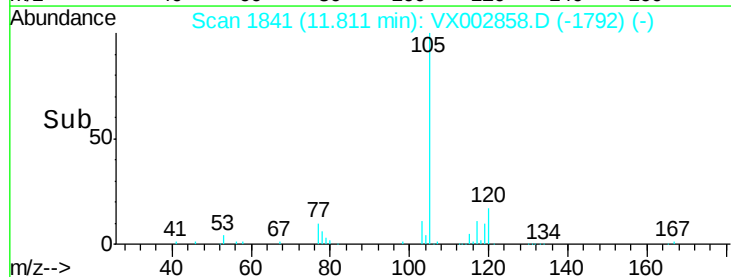
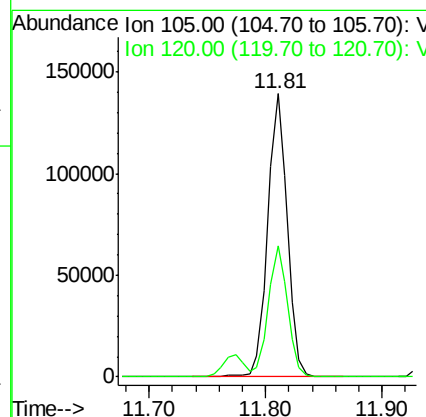
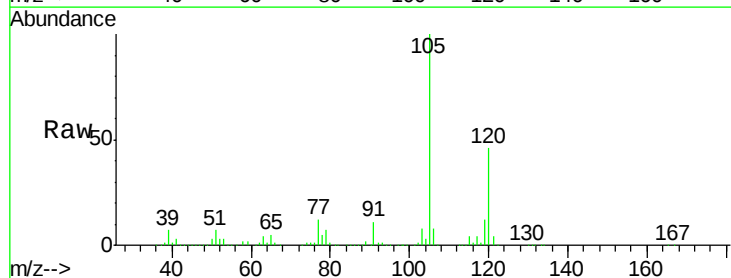
Manual Integrations
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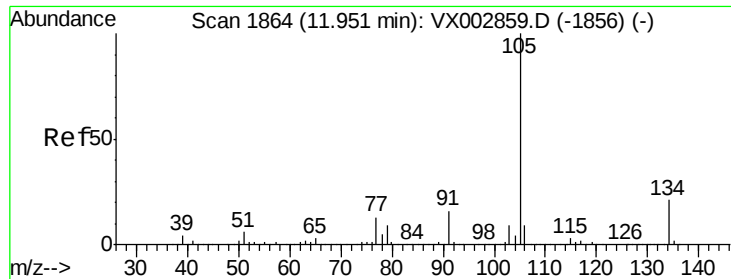
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 16.16 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.3	66.8





#85

sec-Butylbenzene

Concen: 15.68 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 186174

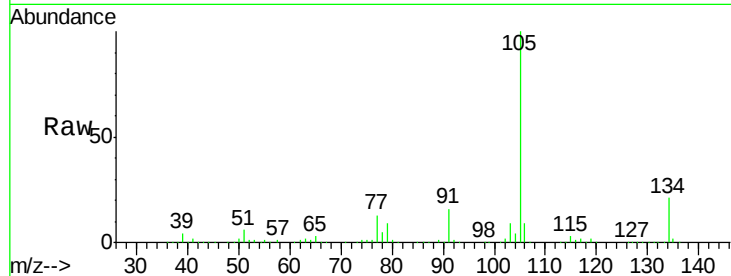
Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.1

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

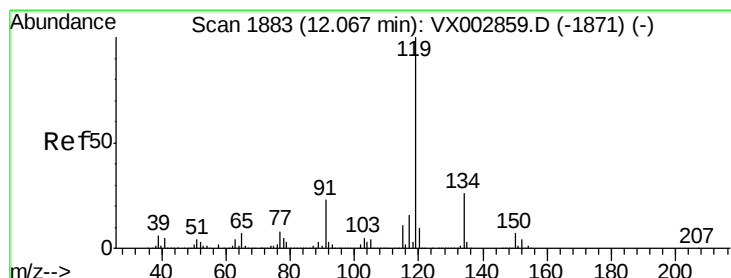
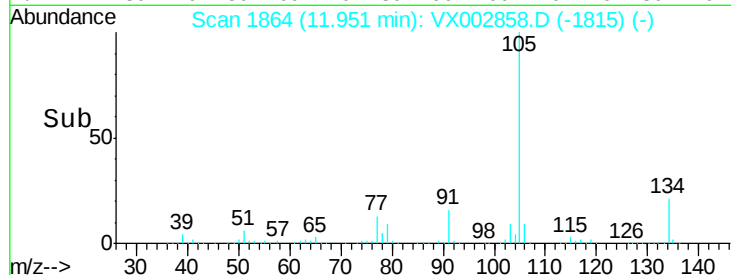
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 15.56 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

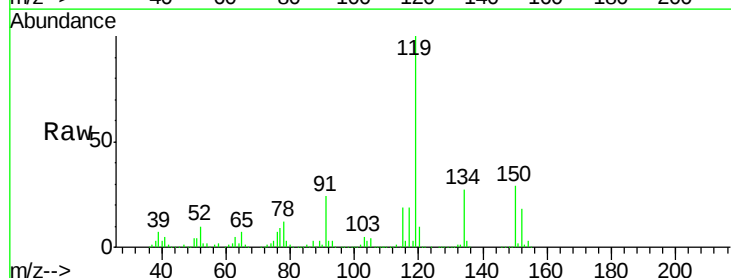
Tgt Ion:119 Resp: 167198

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 23.7 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

12.07

200000

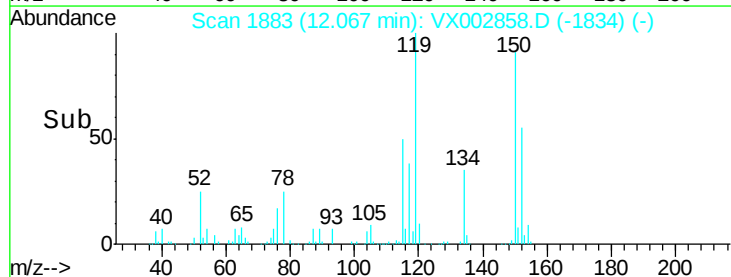
150000

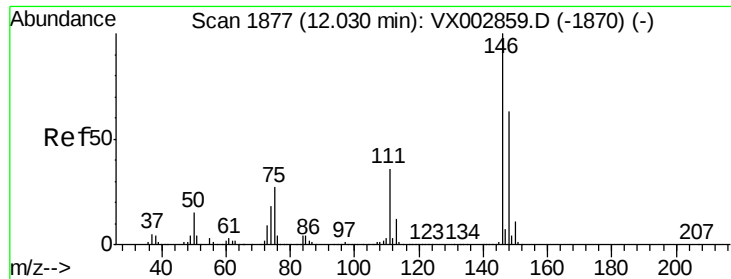
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 15.95 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

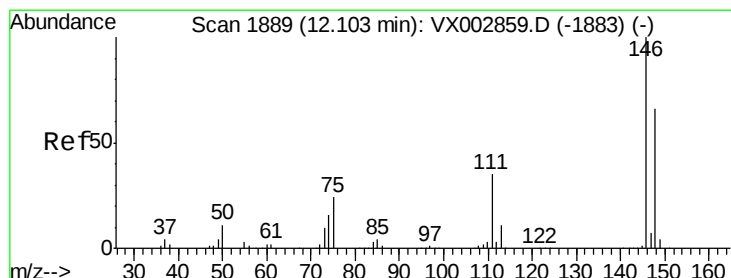
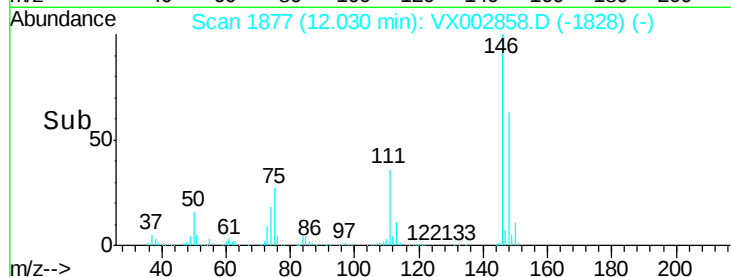
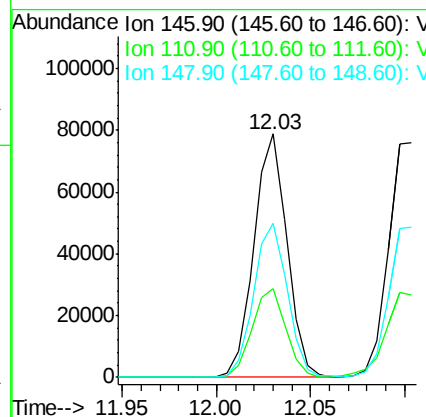
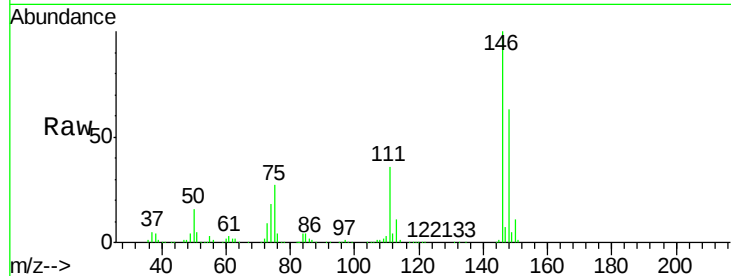
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	95570
Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.7
148	64.7	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 16.05 ug/l

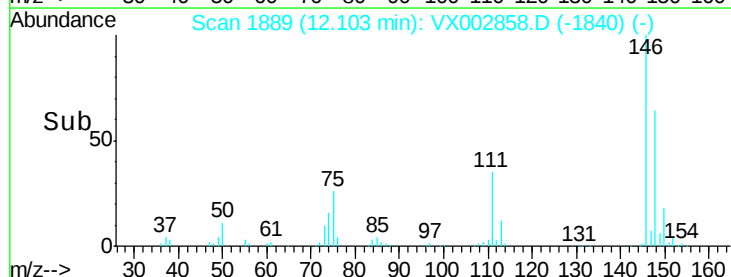
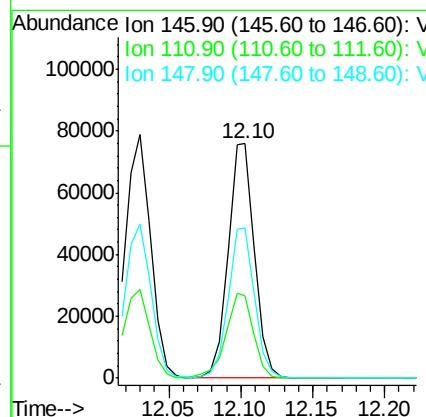
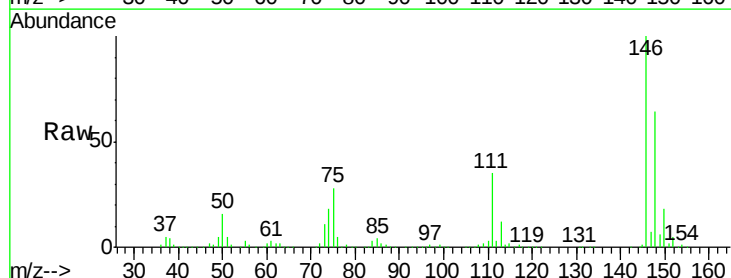
RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Tgt Ion:	146	Resp:	97908
Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.7	56.1
148	64.5	32.4	97.0





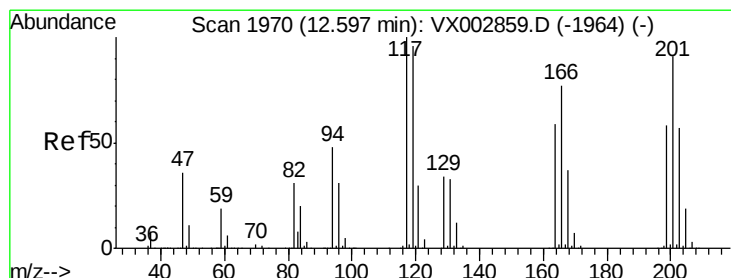
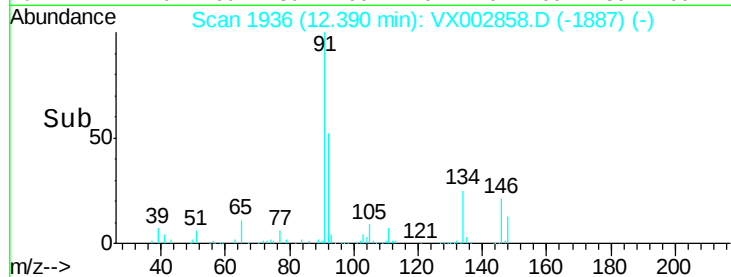
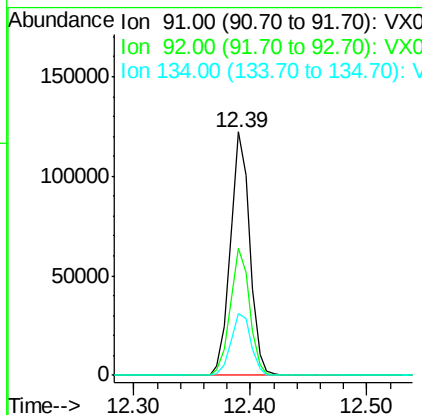
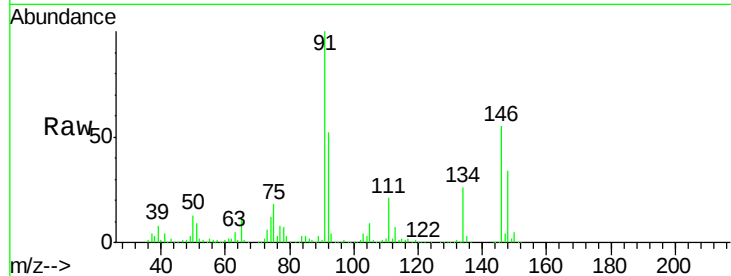
#89
n-Butylbenzene
Concen: 14.94 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.0	78.0
134	26.5	13.5	40.5

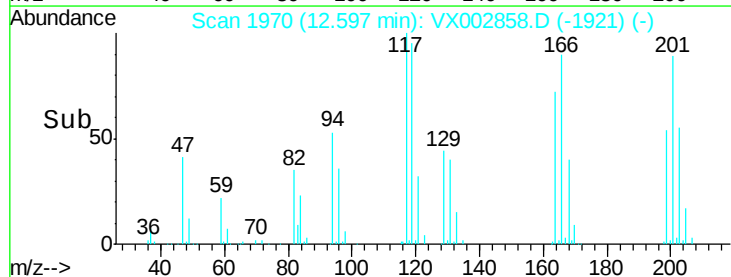
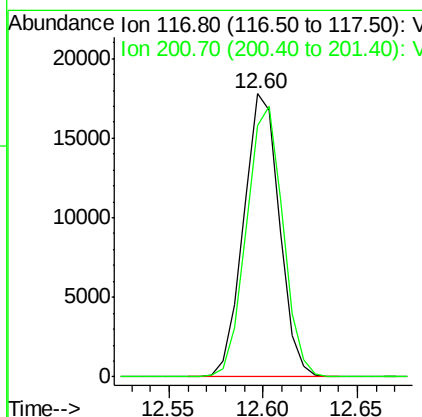
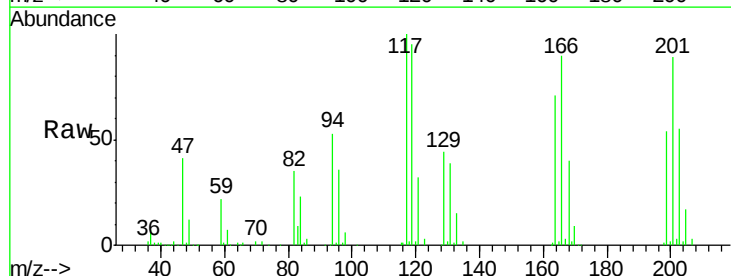
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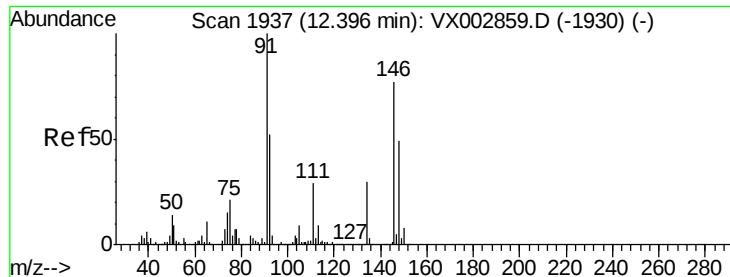
MMDadoda
6/28/2018 2:26:25 PM



#90
Hexachloroethane
Concen: 15.80 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX002858.D
Acq: 25 Jun 2018 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.9	49.0	147.0





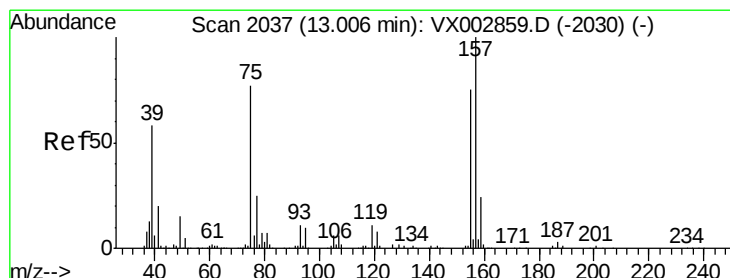
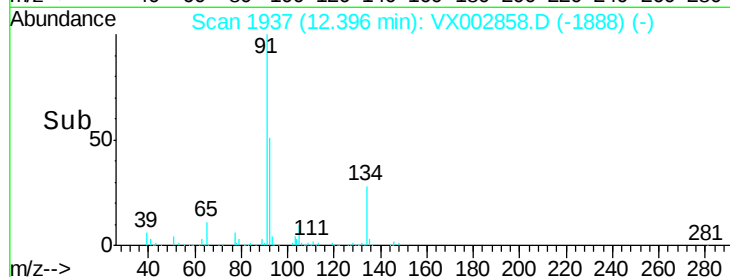
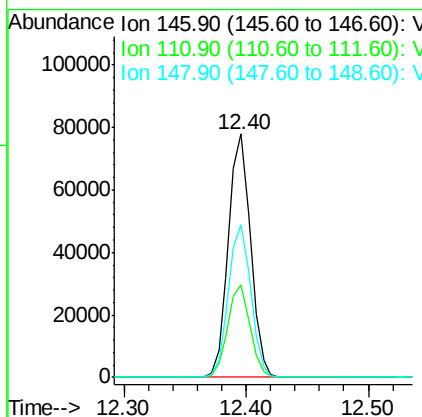
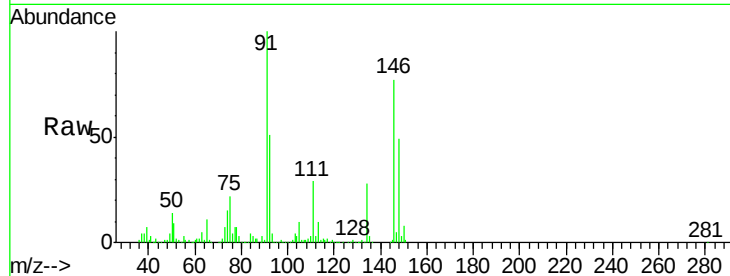
#91
 1,2-Dichlorobenzene
 Concen: 16.17 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.1
148	63.4	31.7	95.1

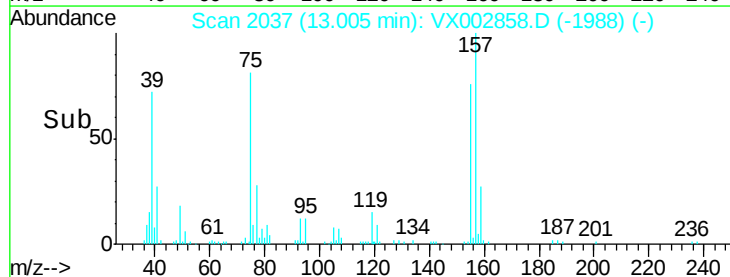
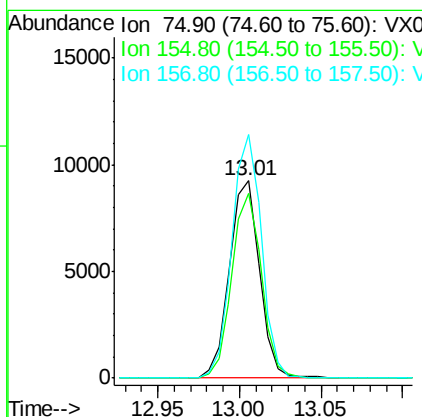
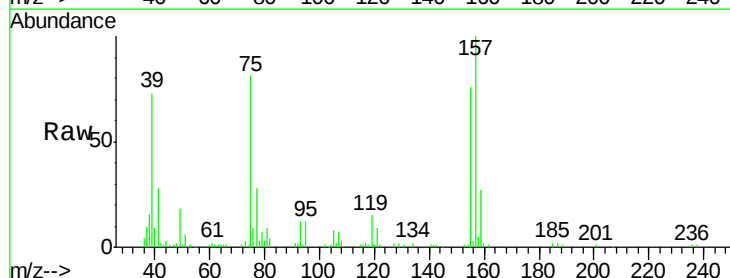
Manual Integrations
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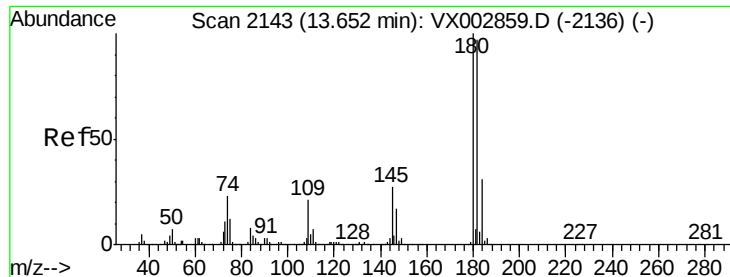
MMDadoda
 6/28/2018 2:26:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.42 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	45.8	137.4
157	120.3	60.1	180.3





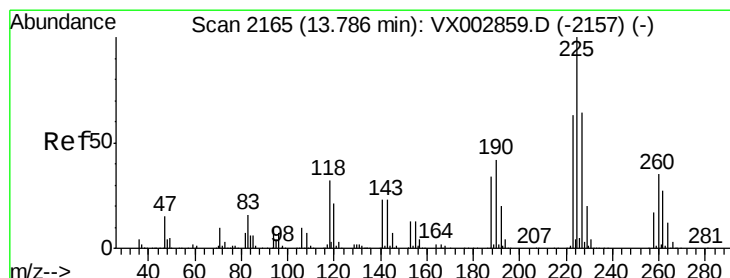
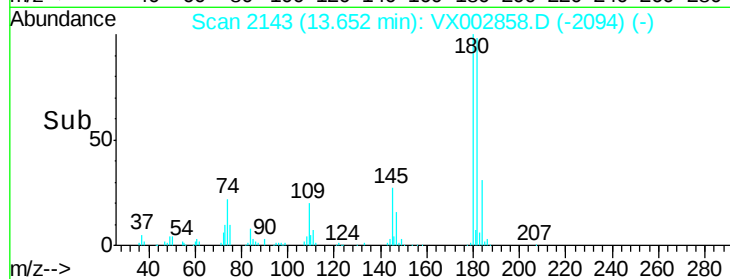
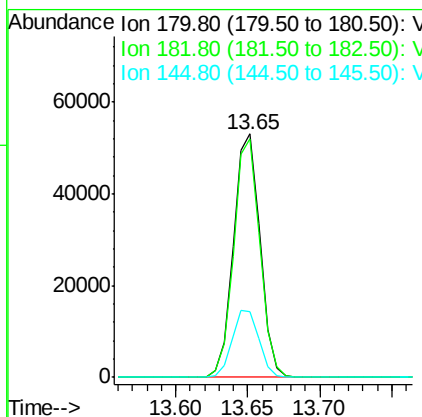
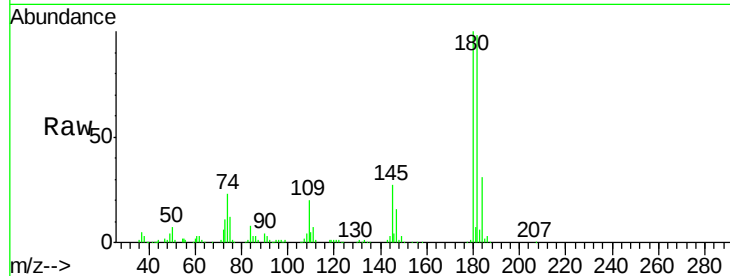
#93
 1,2,4-Trichlorobenzene
 Concen: 15.64 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.7	143.1
145	28.0	14.1	42.4

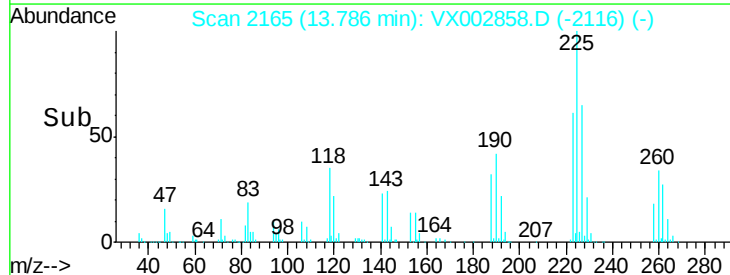
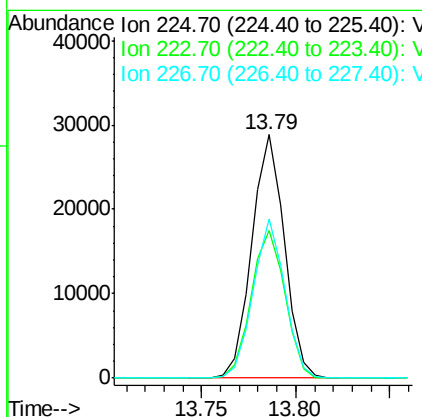
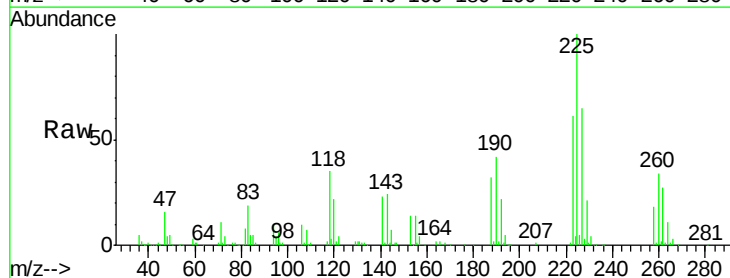
Manual Integrations
 APPROVED

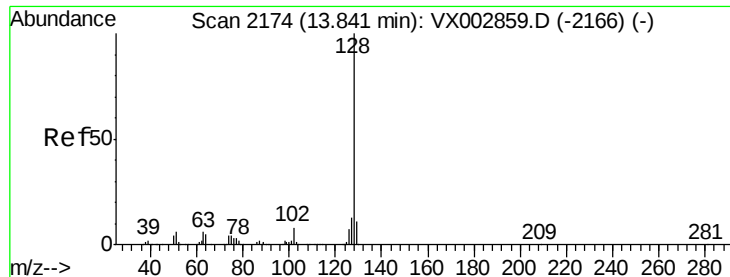
MMDadoda
 6/28/2018 2:26:25 PM



#94
 Hexachlorobutadiene
 Concen: 14.99 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002858.D
 Acq: 25 Jun 2018 11:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.6	95.0
227	63.8	32.4	97.2





#95

Naphthalene

Concen: 15.93 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Instrument :

MSVOA_X

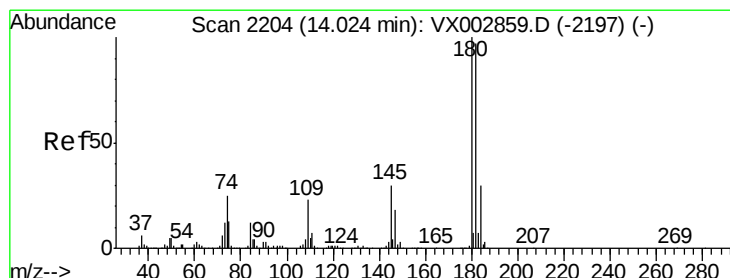
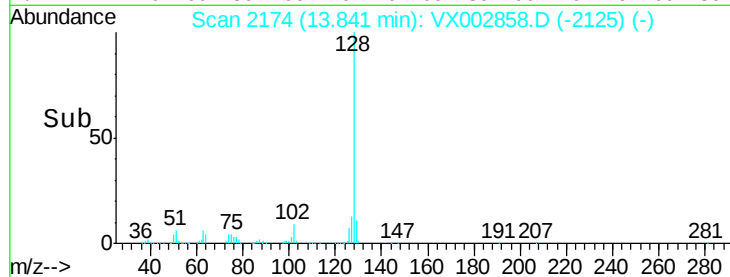
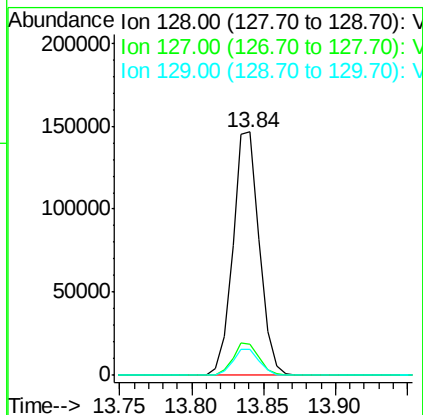
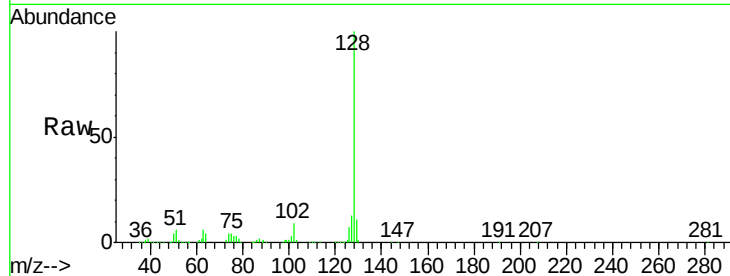
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	187662
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/28/2018 2:26:25 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.13 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002858.D

Acq: 25 Jun 2018 11:47

Tgt Ion:	180	Resp:	70940
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.0	144.0
145	29.5	14.8	44.3

