

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062618\
 Data File : VX002898.D
 Acq On : 26 Jun 2018 15:42
 Operator : JC/MD
 Sample : VX0626WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0626WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 3:12:07 PM

Quant Time: Jun 27 03:43:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	262442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	363503	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	346157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	213736	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	186014	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
35) Dibromofluoromethane	5.51	113	147981	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	8.72	98	533526	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	11.14	95	201428	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	43826	18.51	ug/l	99
3) Chloromethane	1.32	50	46965	18.55	ug/l	99
4) Vinyl Chloride	1.40	62	53261	17.95	ug/l	89
5) Bromomethane	1.64	94	25672	16.72	ug/l	97
6) Chloroethane	1.72	64	35907	19.32	ug/l	99
7) Trichlorofluoromethane	1.93	101	95731	19.12	ug/l	99
8) Diethyl Ether	2.19	74	34410	18.91	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	53366	18.40	ug/l	99
10) Methyl Iodide	2.51	142	38068	17.55	ug/l	98
11) Tert butyl alcohol	3.07	59	74173	102.64	ug/l	99
12) 1,1-Dichloroethene	2.37	96	47030	18.17	ug/l	96
13) Acrolein	2.29	56	51415	130.40	ug/l	100
14) Allyl chloride	2.73	41	97285	19.07	ug/l	99
15) Acrylonitrile	3.15	53	154031	99.79	ug/l	100
16) Acetone	2.45	43	164015	109.18	ug/l	100
17) Carbon Disulfide	2.57	76	126279	18.31	ug/l	96
18) Methyl Acetate	2.78	43	90043	21.44	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	179418	19.28	ug/l	100
20) Methylene Chloride	2.86	84	55789	19.08	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	51909	18.41	ug/l	97
22) Diisopropyl ether	3.87	45	186788	19.15	ug/l	95
23) Vinyl Acetate	3.82	43	784517	95.00	ug/l	99
24) 1,1-Dichloroethane	3.70	63	102965	19.42	ug/l	99
25) 2-Butanone	4.71	43	227851	102.20	ug/l	98
26) 2,2-Dichloropropane	4.59	77	80623	18.70	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	59603	18.86	ug/l	98
28) Bromochloromethane	5.02	49	51294	20.22	ug/l	98
29) Tetrahydrofuran	5.17	42	140310	98.14	ug/l	98
30) Chloroform	5.22	83	106262	19.53	ug/l	100
31) Cyclohexane	5.57	56	83568	18.37	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	91692	19.16	ug/l	99
36) 1,1-Dichloropropene	5.80	75	73232	18.37	ug/l	99
37) Ethyl Acetate	4.87	43	84815	19.76	ug/l	100
38) Carbon Tetrachloride	5.79	117	81857	18.71	ug/l	96

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Manual Integrations
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 6/28/2018 3:12:07 PM

Quant Time: Jun 27 03:43:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	85588	18.43	ug/l	96
40) Benzene	6.15	78	222095	19.18	ug/l	98
41) Methacrylonitrile	5.07	41	47528	19.23	ug/l	98
42) 1,2-Dichloroethane	6.20	62	88293	18.87	ug/l	99
43) Isopropyl Acetate	6.47	43	135882	18.88	ug/l	99
44) Trichloroethene	7.22	130	63387	18.36	ug/l	100
45) 1,2-Dichloropropane	7.52	63	58787	19.13	ug/l	98
46) Dibromomethane	7.67	93	40309	18.90	ug/l	98
47) Bromodichloromethane	7.90	83	75194	19.08	ug/l	98
48) Methyl methacrylate	7.78	41	70696	19.06	ug/l	99
49) 1,4-Dioxane	7.76	88	28280	391.90	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	449383	99.78	ug/l	100
52) Toluene	8.79	92	142633	19.22	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	85662	19.19	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	78521	18.28	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	59205	19.42	ug/l	99
56) Ethyl methacrylate	9.18	69	84741	19.02	ug/l	97
57) 1,3-Dichloropropane	9.38	76	97148	19.40	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	216461	100.69	ug/l	98
59) 2-Hexanone	9.50	43	344601	100.68	ug/l	98
60) Dibromochloromethane	9.59	129	60164	18.74	ug/l	99
61) 1,2-Dibromoethane	9.68	107	61098	19.10	ug/l	98
64) Tetrachloroethene	9.34	164	72578	18.86	ug/l	96
65) Chlorobenzene	10.14	112	164764	18.74	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	60592	18.97	ug/l	100
67) Ethyl Benzene	10.26	91	277195	19.08	ug/l	100
68) m/p-Xylenes	10.36	106	212493	37.96	ug/l	100
69) o-Xylene	10.70	106	103569	19.00	ug/l	100
70) Styrene	10.71	104	169872	19.18	ug/l	99
71) Bromoform	10.86	173	47369	19.04	ug/l	99
73) Isopropylbenzene	11.02	105	286386	19.92	ug/l	100
74) N-amyl acetate	6.47	43	135882	19.31	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	88553	19.99	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	87169m	22.52	ug/l	
77) Bromobenzene	11.26	156	78156	19.09	ug/l	99
78) n-propylbenzene	11.37	91	323097	19.74	ug/l	100
79) 2-Chlorotoluene	11.43	91	192954	19.47	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	240281	19.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	20186	17.47	ug/l	91
82) 4-Chlorotoluene	11.51	91	226310	19.29	ug/l	99
83) tert-Butylbenzene	11.77	119	235361	19.72	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	245055	19.53	ug/l	99
85) sec-Butylbenzene	11.95	105	285921	19.75	ug/l	100
86) p-Isopropyltoluene	12.07	119	260000	19.97	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	143751	19.22	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	145610	18.92	ug/l	100
89) n-Butylbenzene	12.39	91	214107	18.90	ug/l	100
90) Hexachloroethane	12.60	117	35335	18.25	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	144111	19.09	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	18551	18.63	ug/l	98

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Instrument :
MSVOA_X
ClientSampleId :
VX0626WBSD01

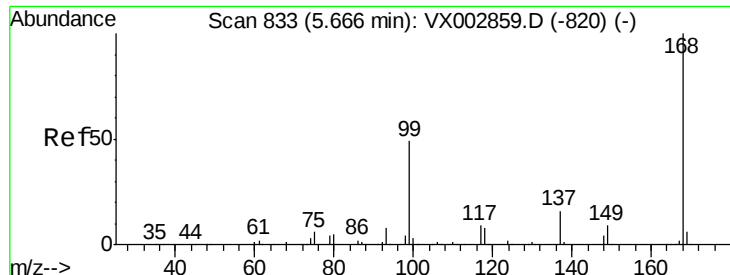
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	103410	18.82	ug/l	100
94) Hexachlorobutadiene	13.79	225	50280	18.35	ug/l	99
95) Naphthalene	13.84	128	288632	19.73	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	104882	19.11	ug/l	99

(#) = 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: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0626WBSD01

Tot Ion:168 Resp: 262442

Ion Ratio Lower Upper

168 100

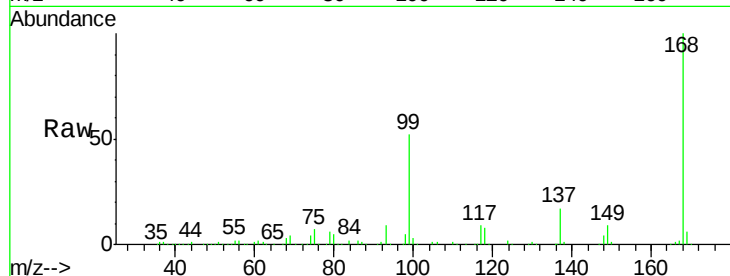
99 51.7 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

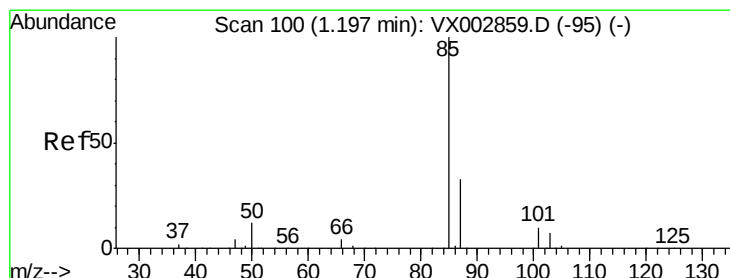
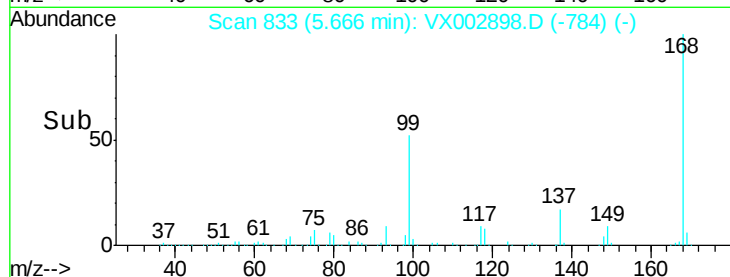
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.51 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002898.D

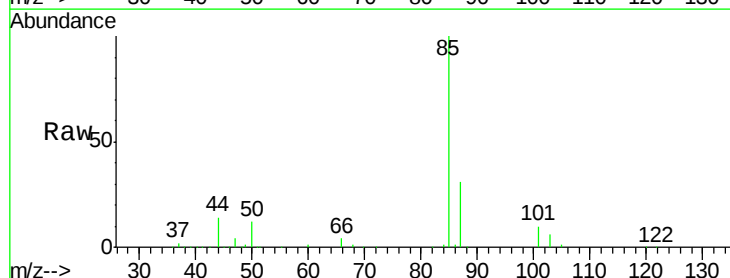
Acq: 26 Jun 2018 15:42

Tgt Ion: 85 Resp: 43826

Ion Ratio Lower Upper

85 100

87 31.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

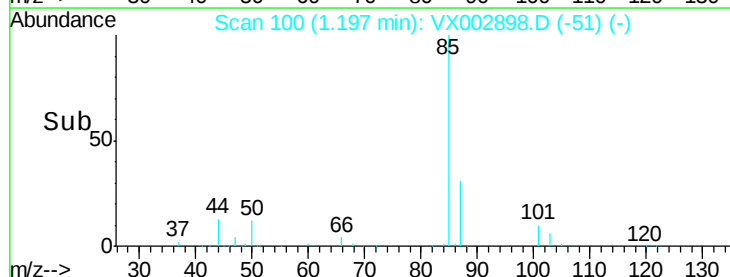
30000

20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.55 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0626WBSD01

Tot Ion: 50 Resp: 46965

Ion Ratio Lower Upper

50 100

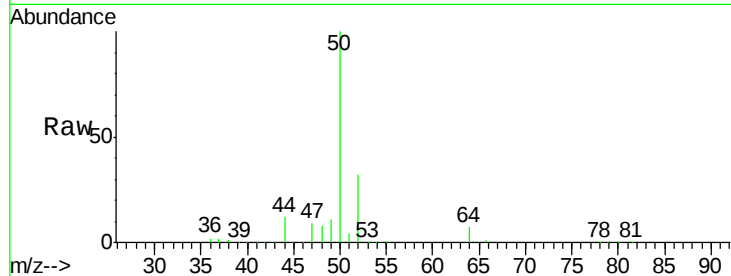
52 32.5 25.7 38.5

Manual Integrations

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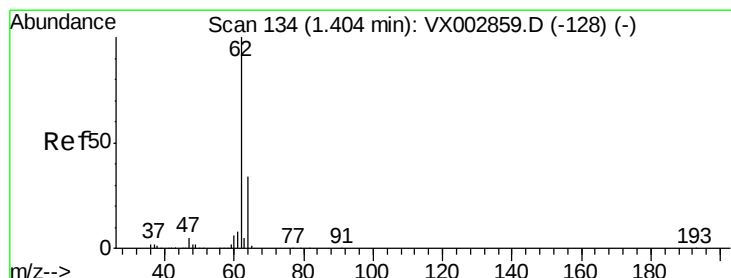
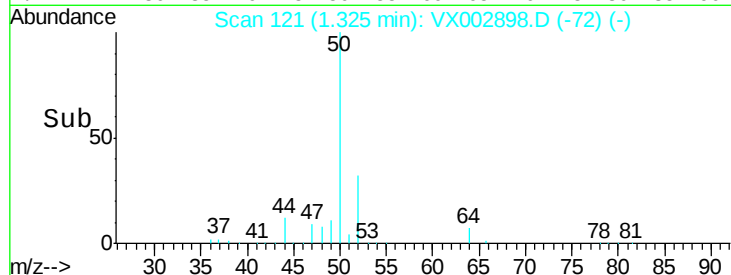
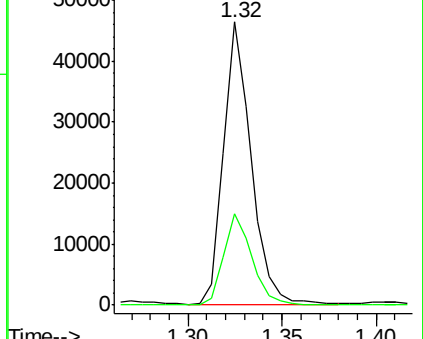
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.95 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002898.D

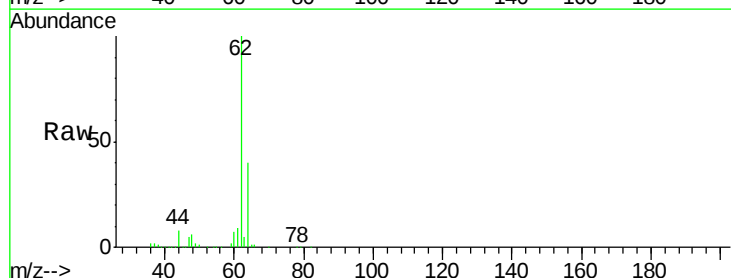
Acq: 26 Jun 2018 15:42

Tgt Ion: 62 Resp: 53261

Ion Ratio Lower Upper

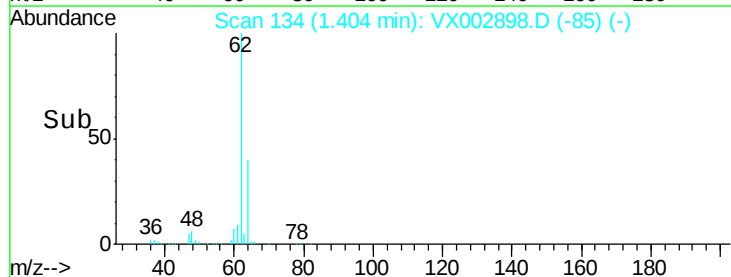
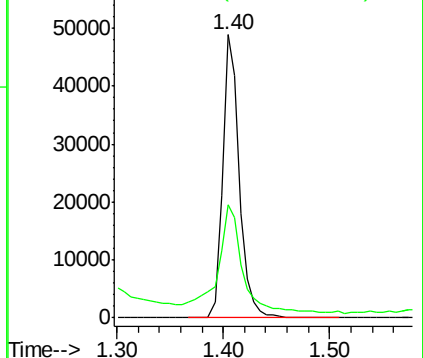
62 100

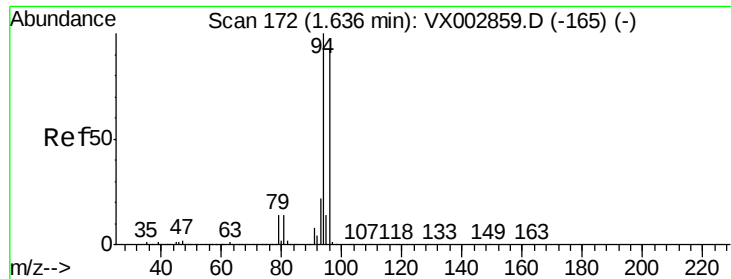
64 37.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 16.72 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0626WBSD01

Tot Ion: 94 Resp: 25672

Ion Ratio Lower Upper

94 100

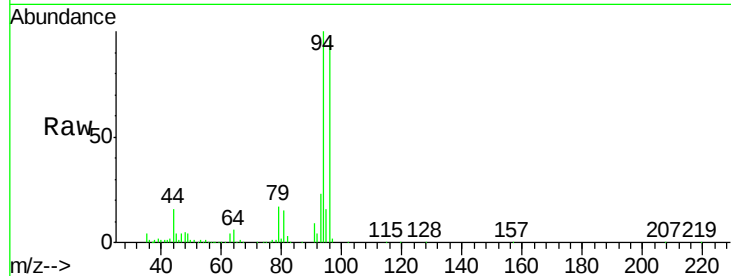
96 96.2 74.9 112.3

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

25000

20000

15000

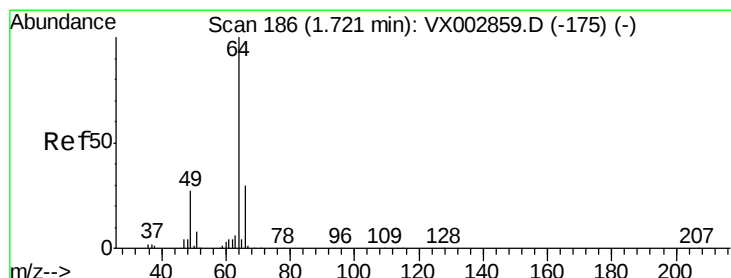
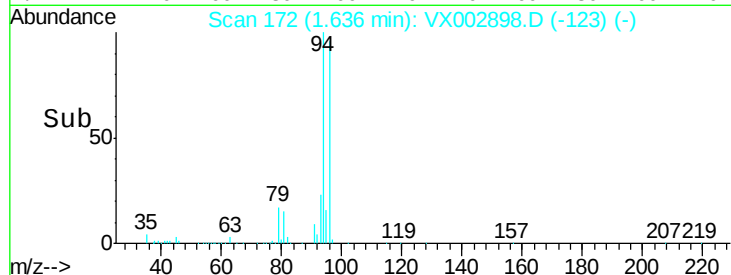
10000

5000

0

Time-->

1.60 1.70 1.80



#6

Chloroethane

Concen: 19.32 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002898.D

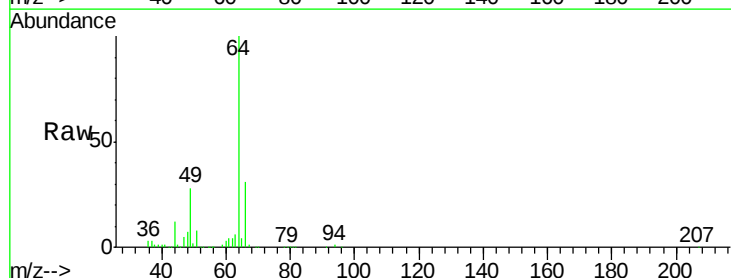
Acq: 26 Jun 2018 15:42

Tgt Ion: 64 Resp: 35907

Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

30000

25000

20000

15000

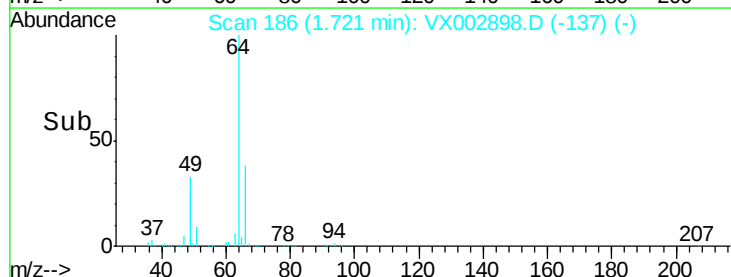
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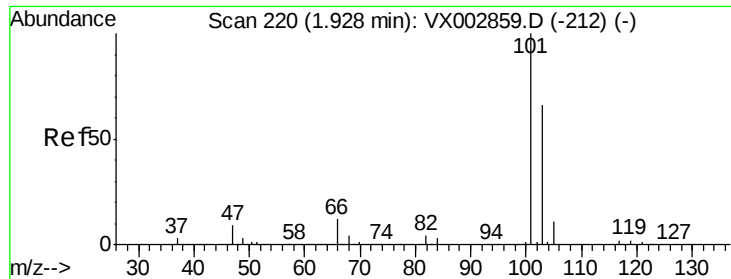
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Time-->

1.65 1.70 1.75 1.80





#7

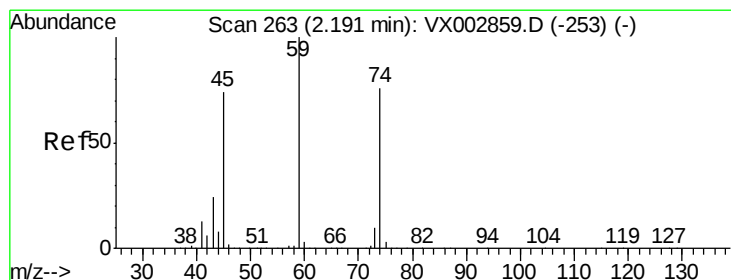
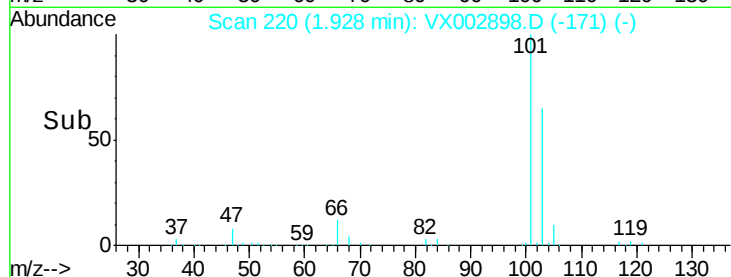
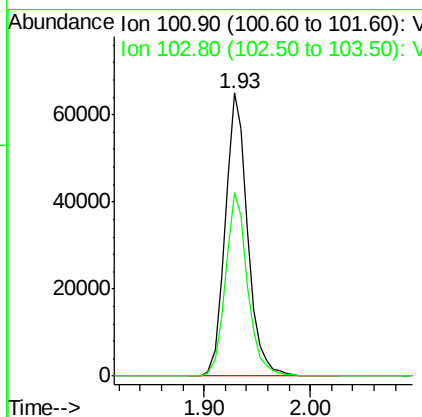
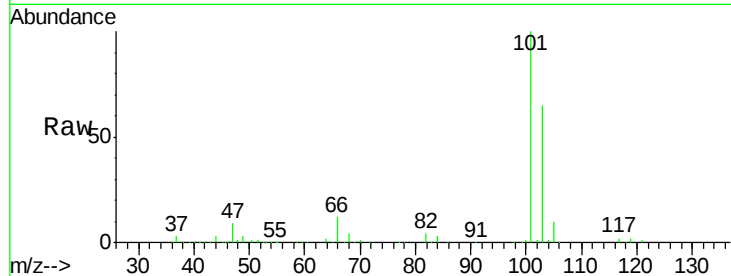
Trichlorofluoromethane
Concen: 19.12 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Instrument :
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ClientSampleId :
VX0626WBSD01

Tot Ion:101 Resp: 95731
Ion Ratio Lower Upper
101 100
103 65.0 52.8 79.2

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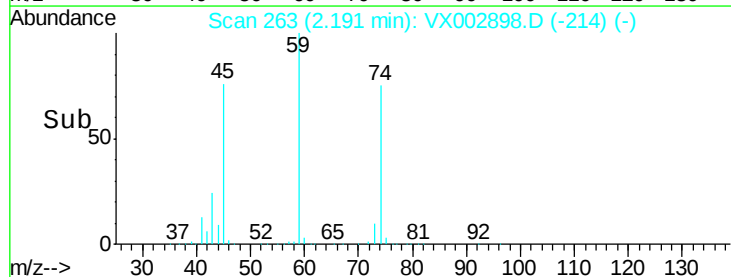
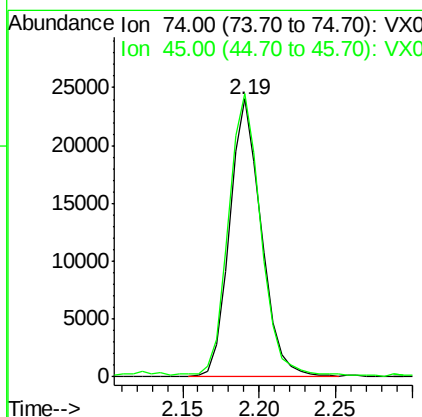
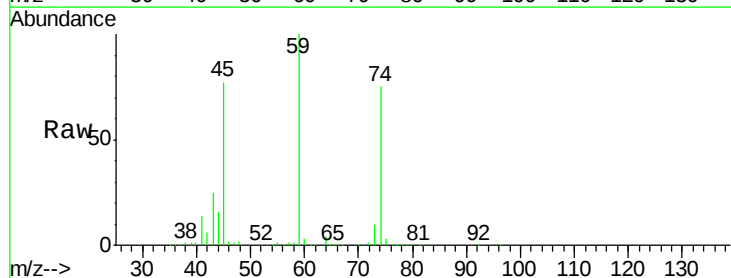
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#8

Diethyl Ether
Concen: 18.91 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tgt Ion: 74 Resp: 34410
Ion Ratio Lower Upper
74 100
45 103.3 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.40 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

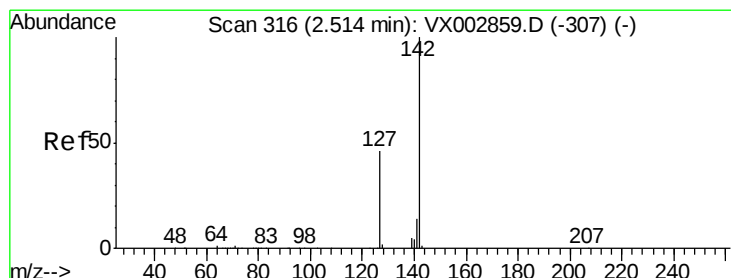
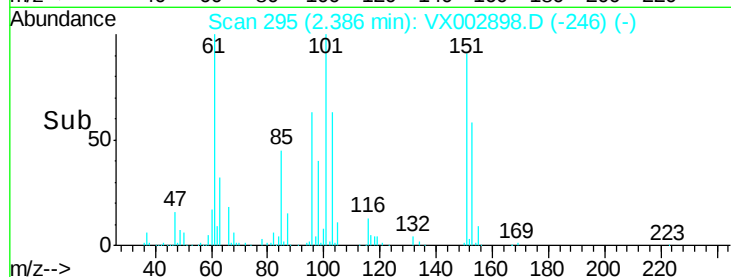
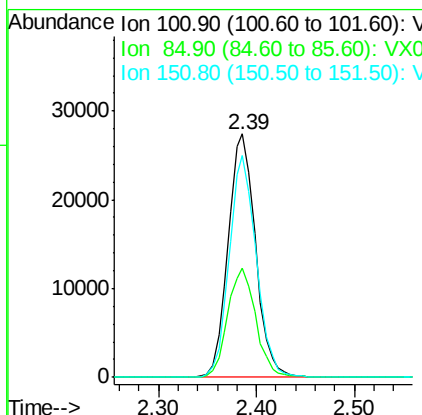
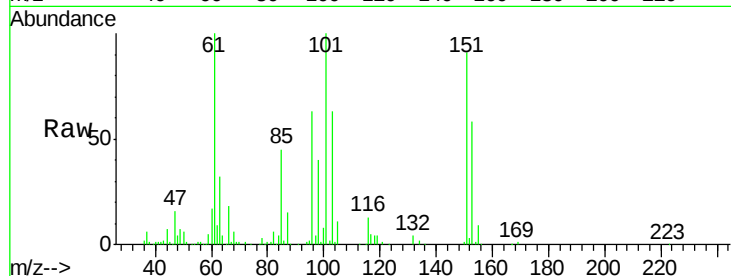
ClientSampleId :

VX0626WBSD01

Tot Ion:	101	Resp:	53366
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.0	54.0
151	89.6	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 17.55 ug/l

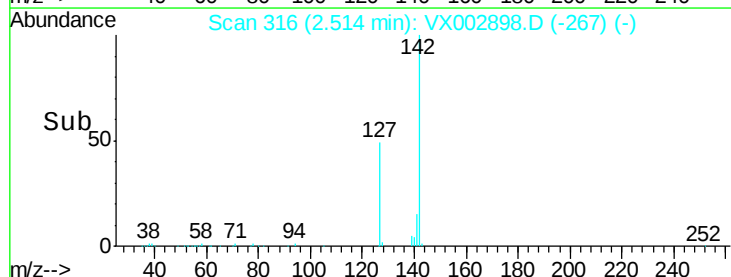
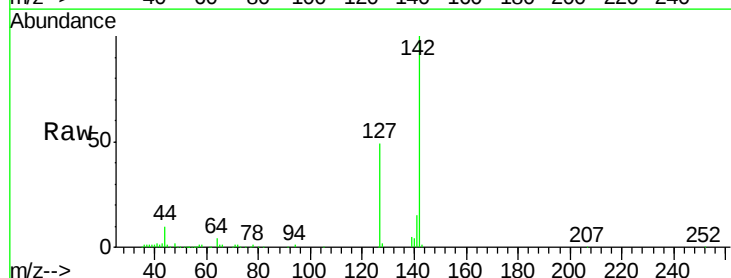
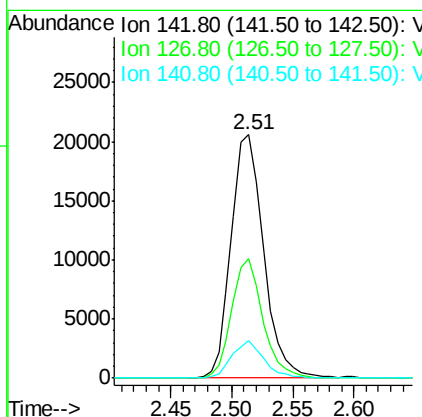
RT: 2.51 min Scan# 316

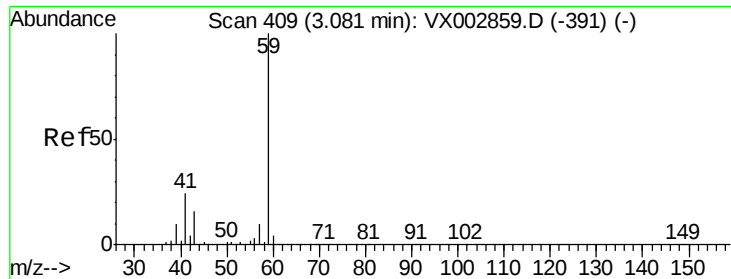
Delta R.T. 0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Tgt Ion:	142	Resp:	38068
Ion Ratio	Lower	Upper	
142	100		
127	47.0	36.6	55.0
141	15.1	11.3	16.9





#11

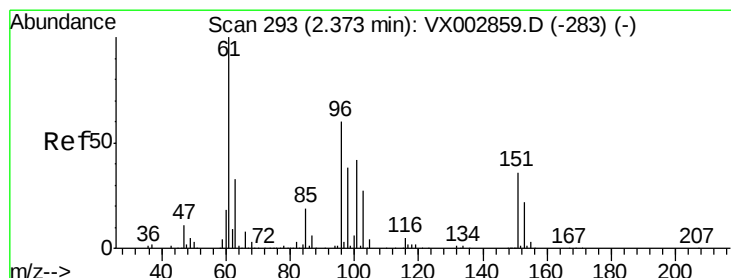
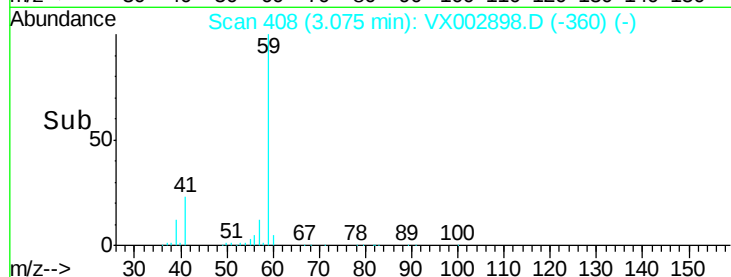
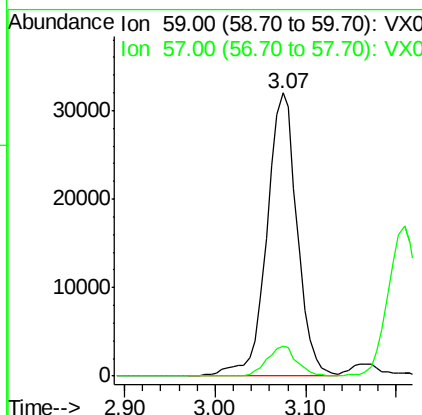
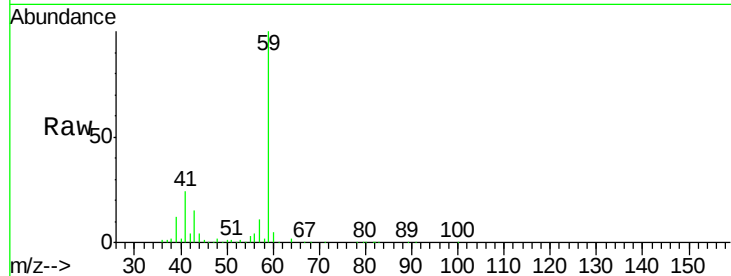
Tert butyl alcohol
 Concen: 102.64 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX002898.D
 Acq: 26 Jun 2018 15:42

Instrument :
 MSVOA_X
 ClientSampled :
 VX0626WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

Manual Integrations
 APPROVED

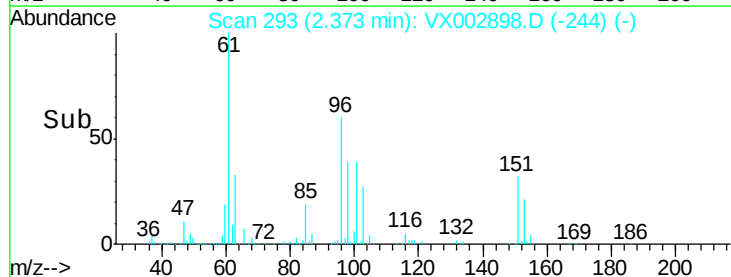
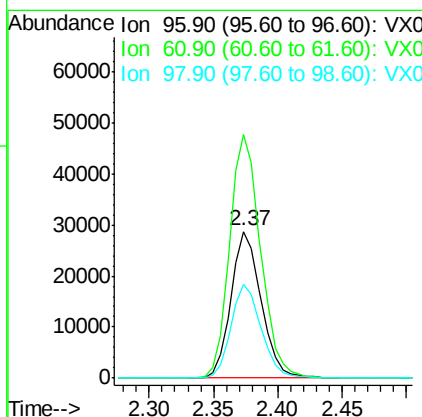
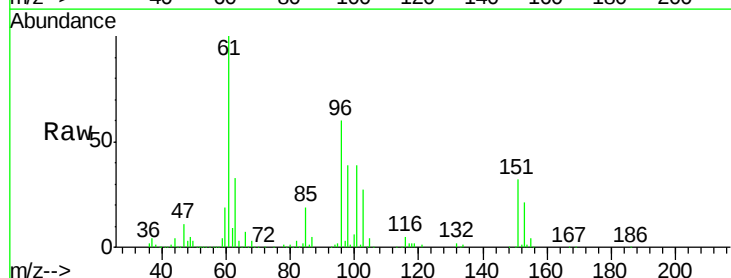
MMDadoda
 6/28/2018 3:12:07 PM



#12

1,1-Dichloroethene
 Concen: 18.17 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002898.D
 Acq: 26 Jun 2018 15:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.8	137.9	206.9
98	63.8	51.6	77.4





#13

Acrolein

Concen: 130.40 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

ClientSampled :

VX0626WBSD01

Tot Ion: 56 Resp: 51415

Ion Ratio Lower Upper

56 100

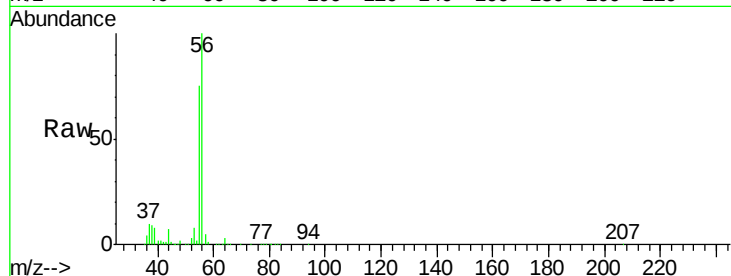
55 71.2 57.0 85.4

Manual Integrations

APPROVED

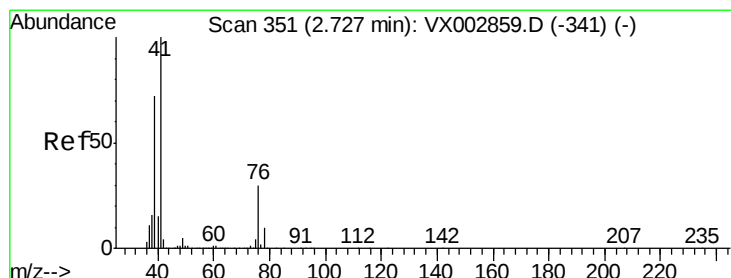
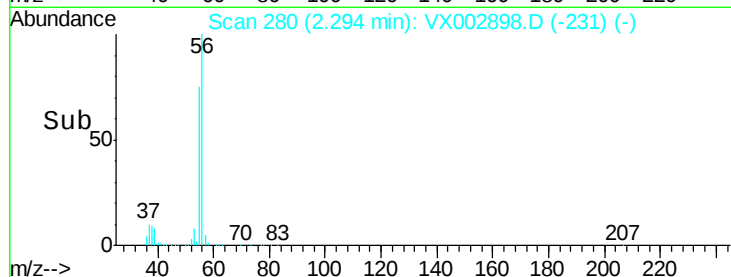
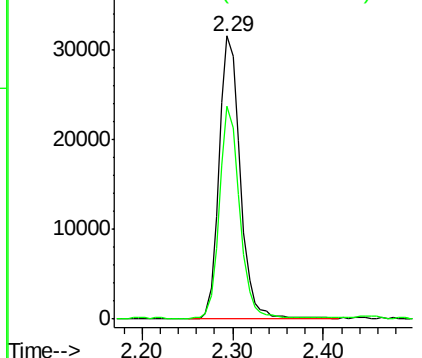
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.07 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

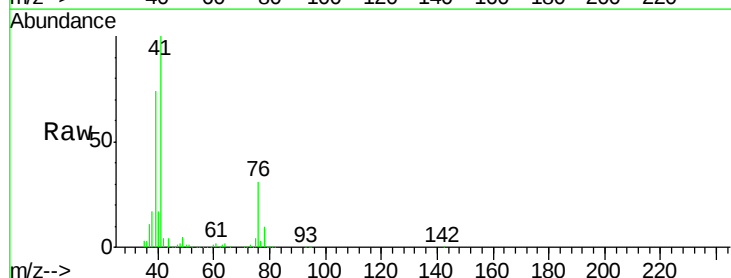
Tgt Ion: 41 Resp: 97285

Ion Ratio Lower Upper

41 100

39 69.7 56.8 85.2

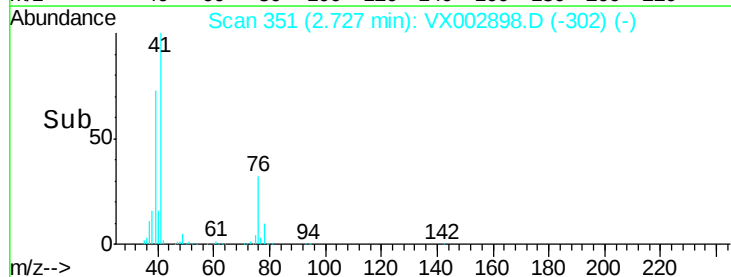
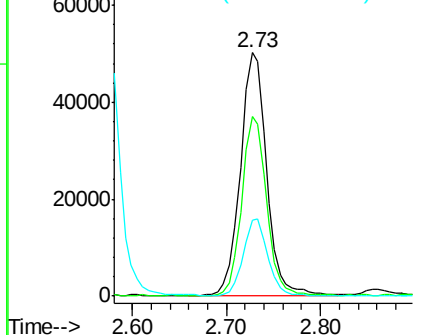
76 29.8 23.8 35.8



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: 99.79 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

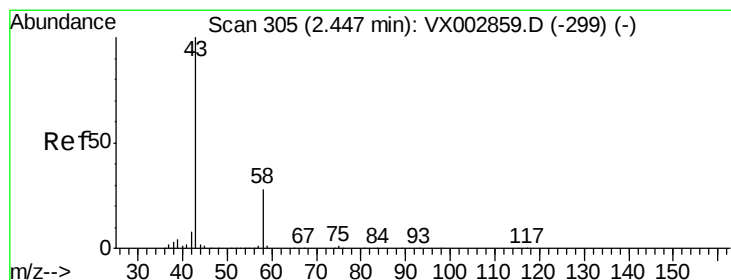
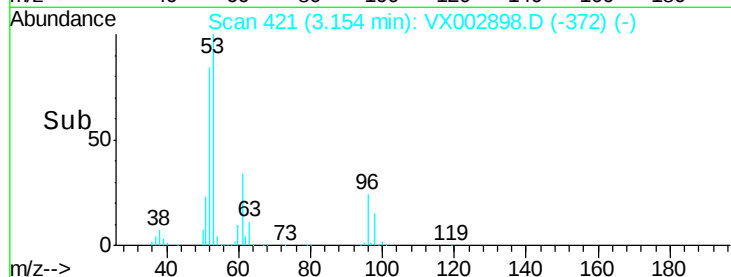
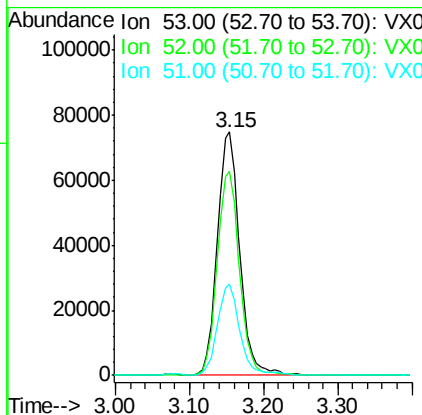
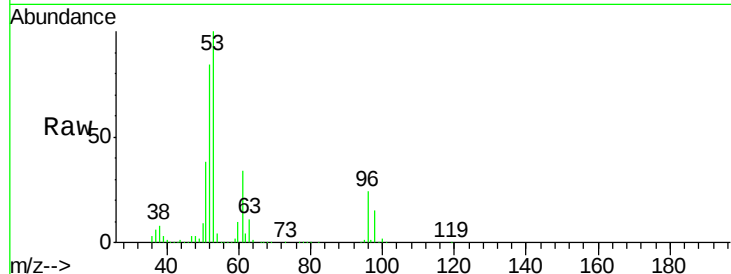
ClientSampleId :

VX0626WBSD01

Tot Ion:	53	Resp:	154031
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.7	100.1
51	37.4	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 109.18 ug/l

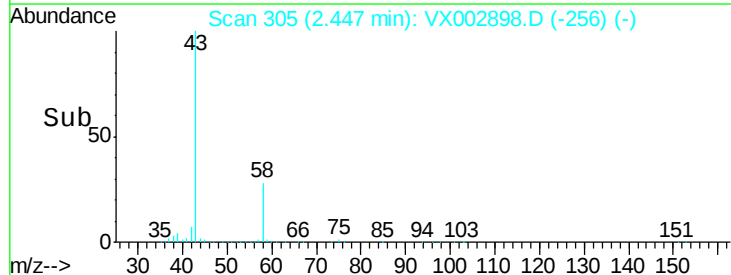
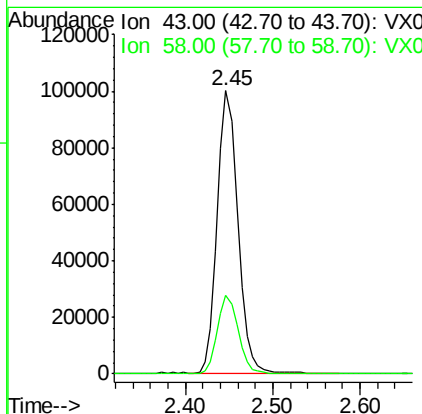
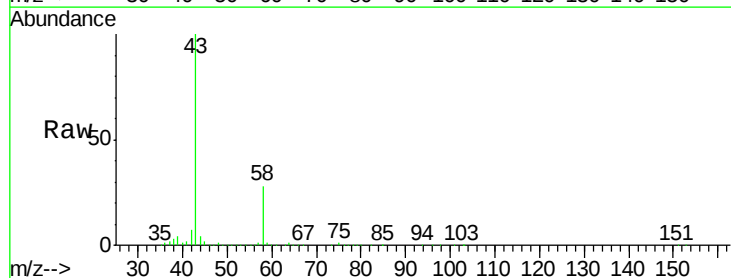
RT: 2.45 min Scan# 305

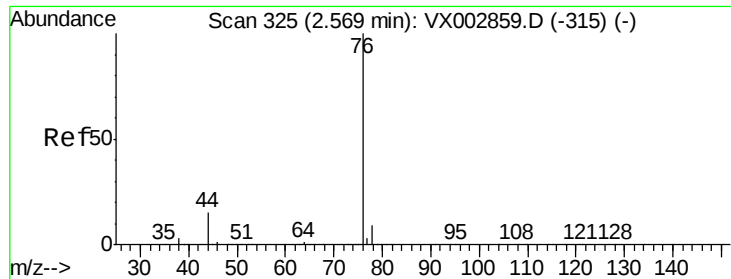
Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Tgt Ion:	43	Resp:	164015
Ion Ratio	Lower	Upper	
43	100		
58	27.6	22.1	33.1





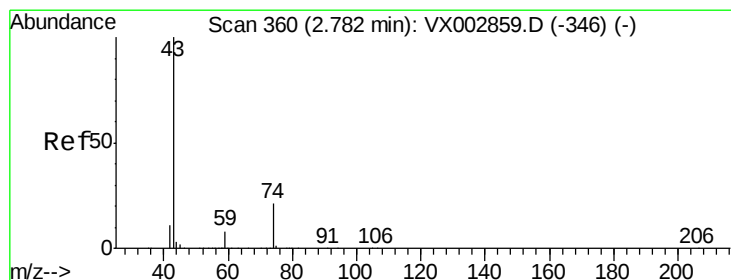
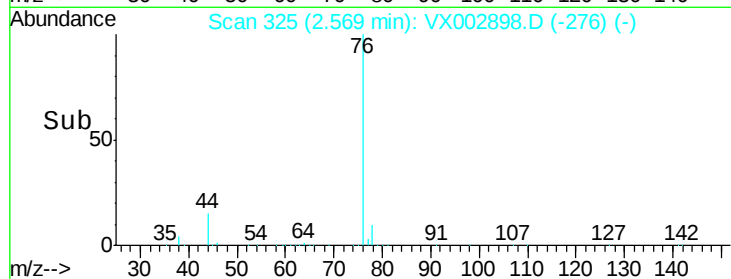
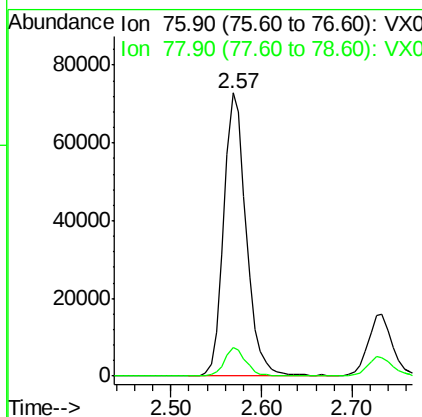
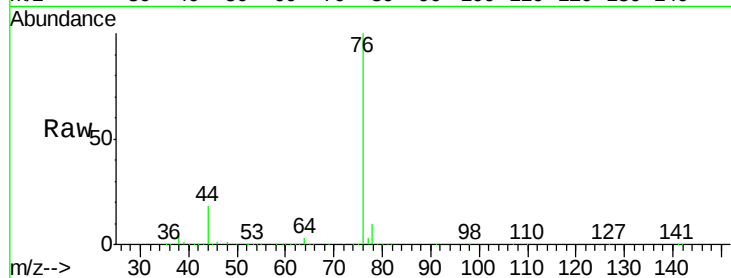
#17
Carbon Disulfide
Concen: 18.31 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0626WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.9	10.3

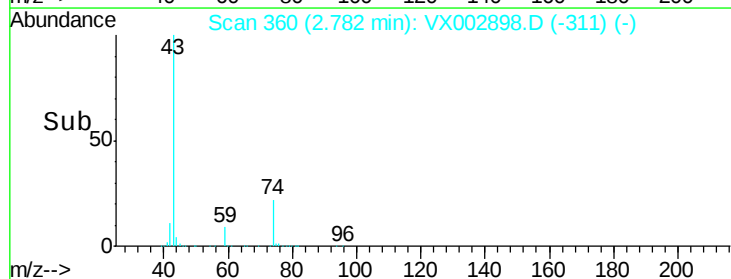
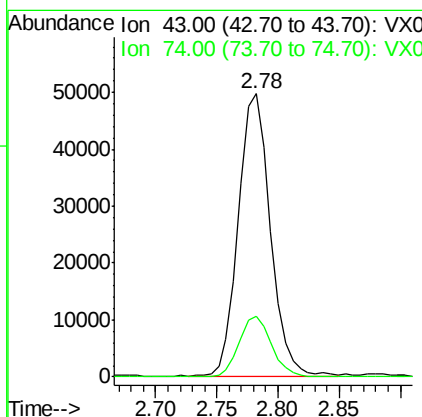
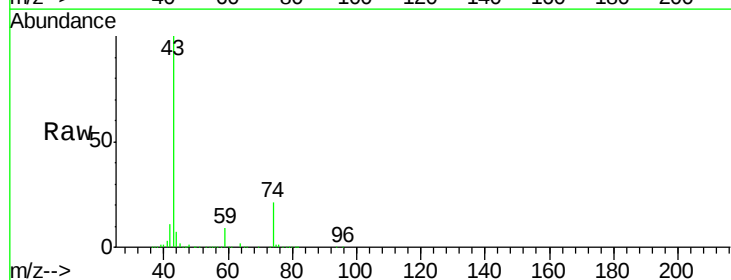
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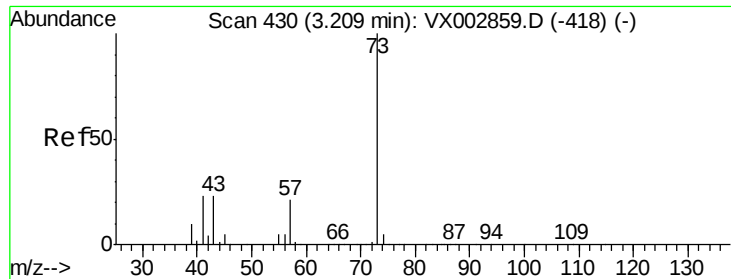
MMDadoda
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#18
Methyl Acetate
Concen: 21.44 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	16.7	25.1





#19

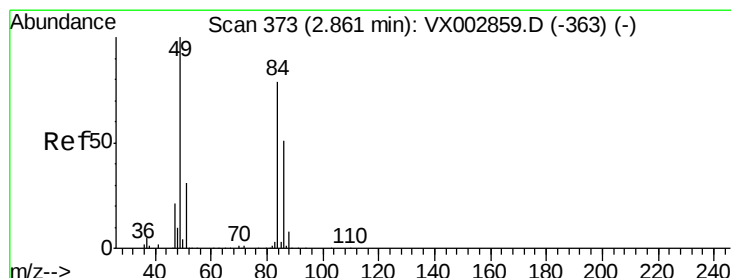
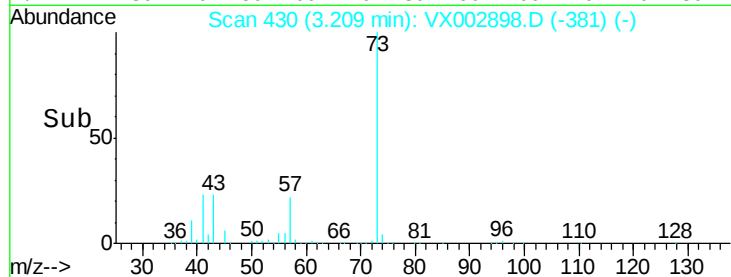
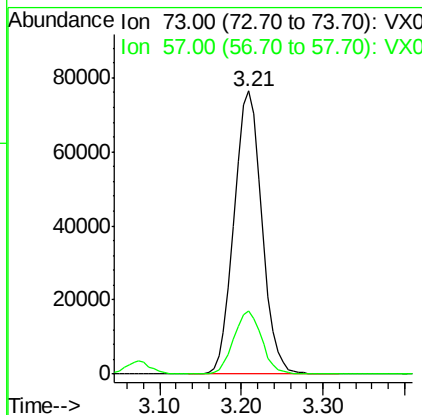
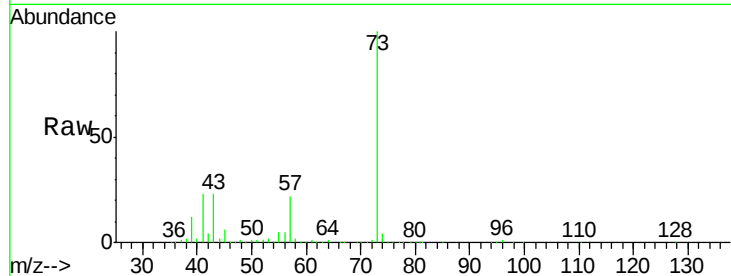
Methyl tert-butyl Ether
 Concen: 19.28 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX002898.D
 Acq: 26 Jun 2018 15:42

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0626WBSD01

Tot Ion	73	Resp	179418
Ion Ratio	Lower	Upper	
73	100		
57	22.2	17.7	26.5

Manual Integrations
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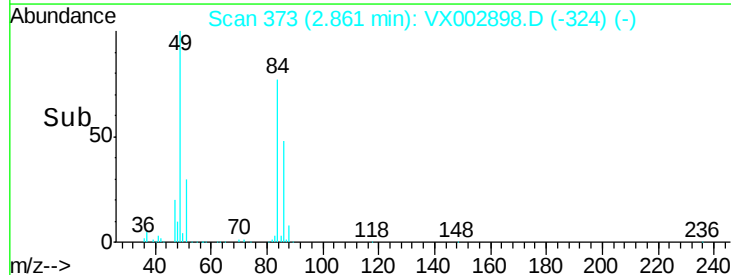
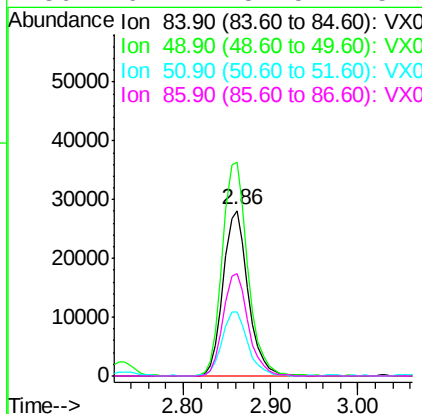
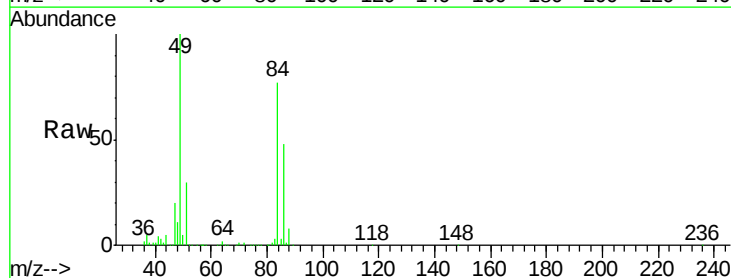
MMDadoda
 6/28/2018 3:12:07 PM

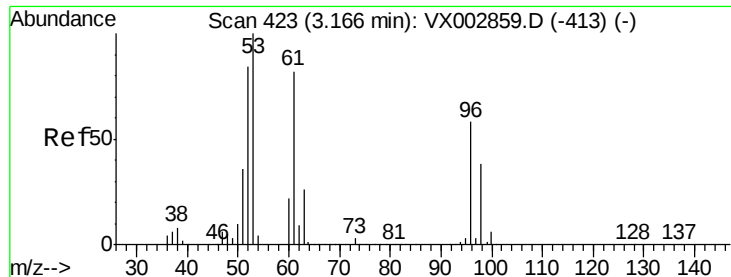


#20

Methylene Chloride
 Concen: 19.08 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX002898.D
 Acq: 26 Jun 2018 15:42

Tgt Ion	84	Resp	55789
Ion Ratio	Lower	Upper	
84	100		
49	129.2	107.8	161.6
51	38.2	32.8	49.2
86	61.7	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 18.41 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0626WBSD01

Tot Ion: 96 Resp: 51909

Ion Ratio Lower Upper

96 100

61 142.0 117.0 175.4

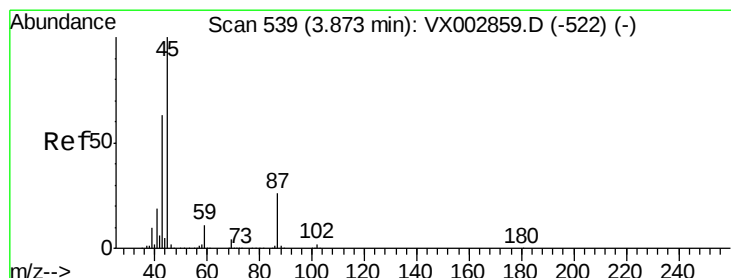
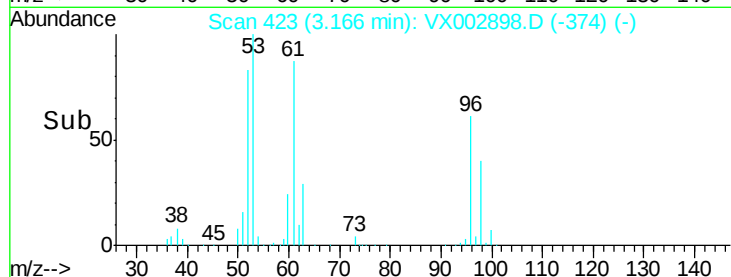
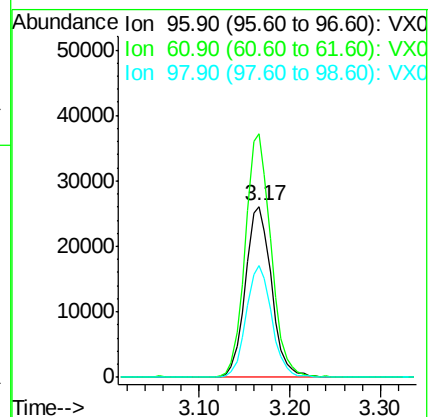
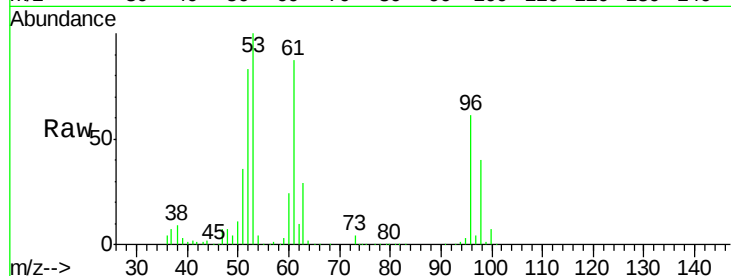
98 65.1 52.4 78.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.15 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Tgt Ion: 45 Resp: 186788

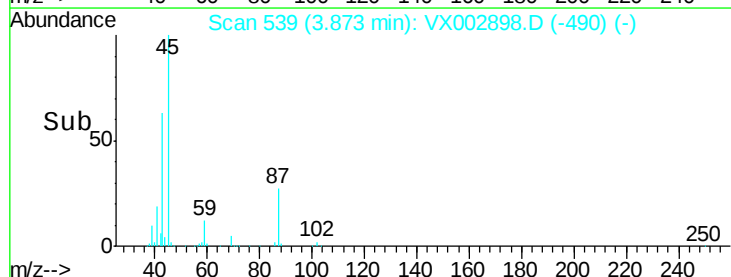
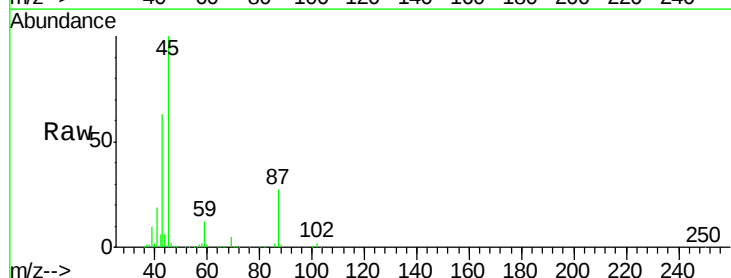
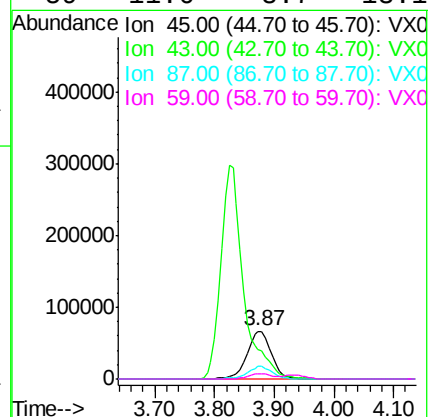
Ion Ratio Lower Upper

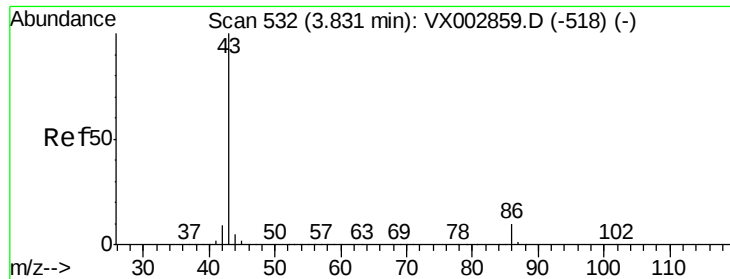
45 100

43 63.1 46.8 70.2

87 27.0 20.2 30.4

59 11.6 8.7 13.1





#23

Vinyl Acetate

Concen: 95.00 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0626WBSD01

Tot Ion: 43 Resp: 784517

Ion Ratio Lower Upper

43 100

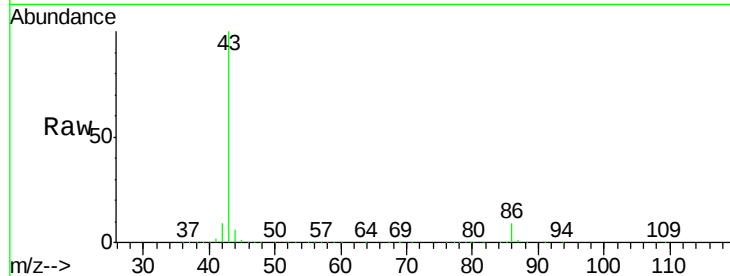
86 9.4 7.4 11.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

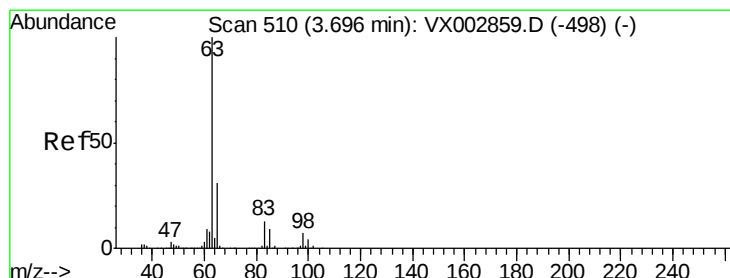
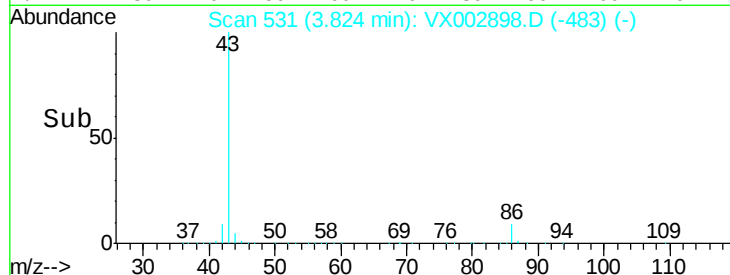
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.42 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

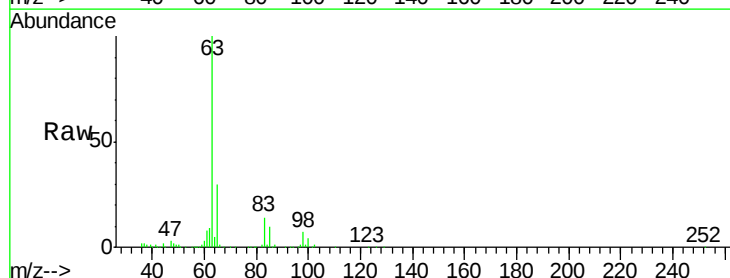
Tgt Ion: 63 Resp: 102965

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

100 3.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

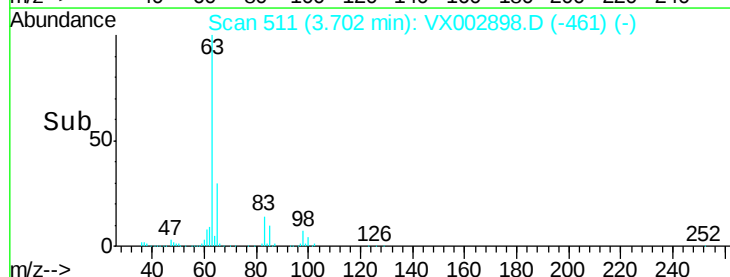
30000

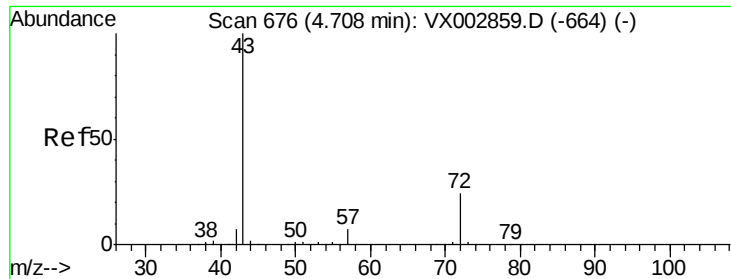
20000

10000

0

Time-->





#25

2-Butanone

Concen: 102.20 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0626WBSD01

Tot Ion: 43 Resp: 227851

Ion Ratio Lower Upper

43 100

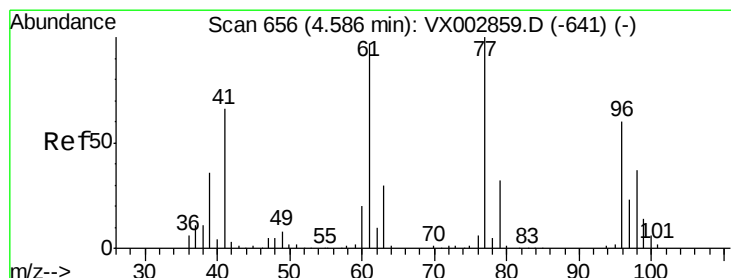
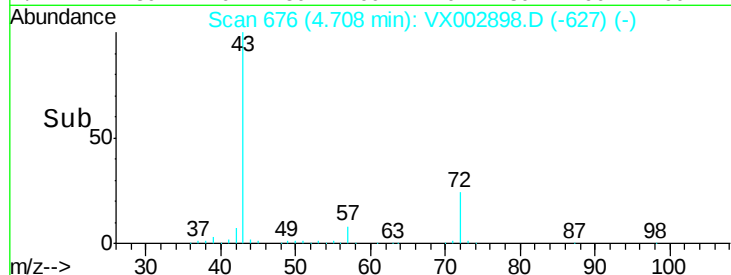
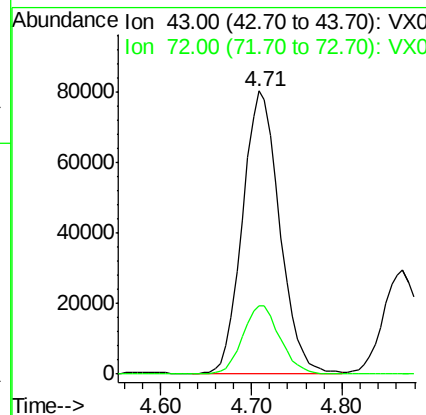
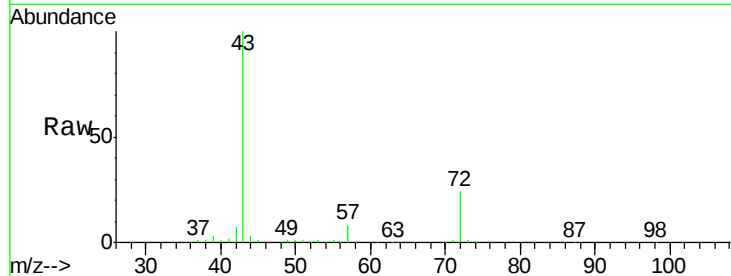
72 23.9 18.5 27.7

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 18.70 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002898.D

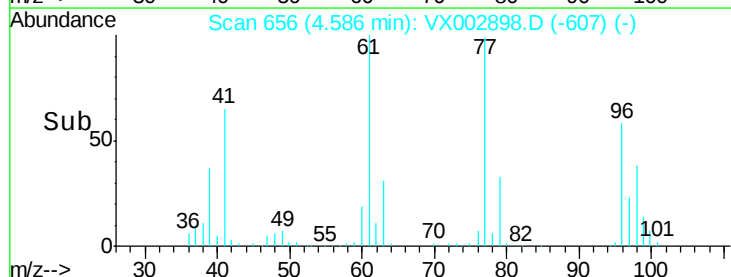
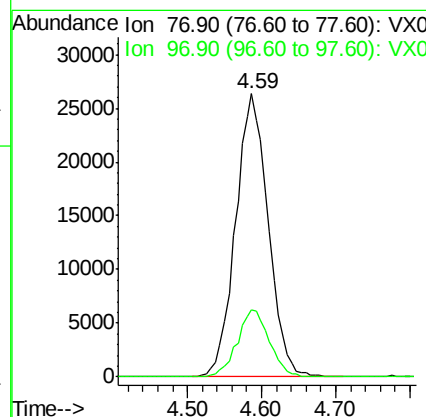
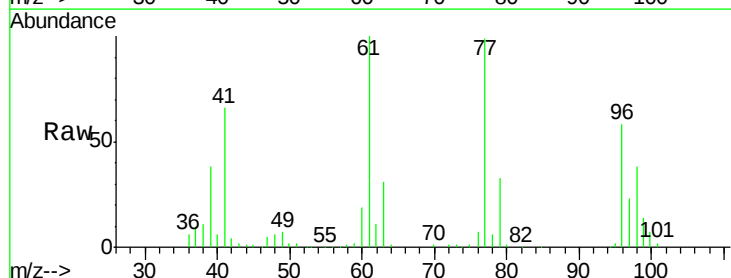
Acq: 26 Jun 2018 15:42

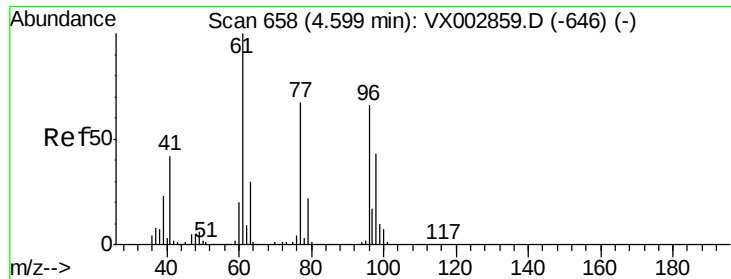
Tgt Ion: 77 Resp: 80623

Ion Ratio Lower Upper

77 100

97 23.3 11.2 33.5





#27

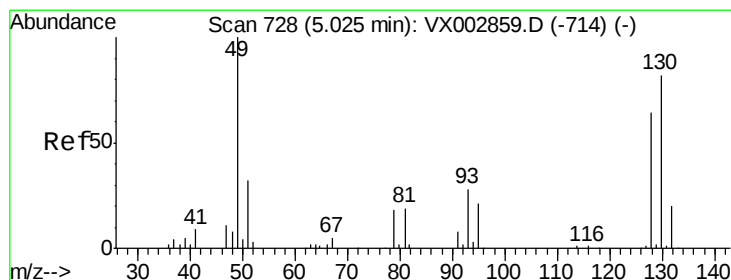
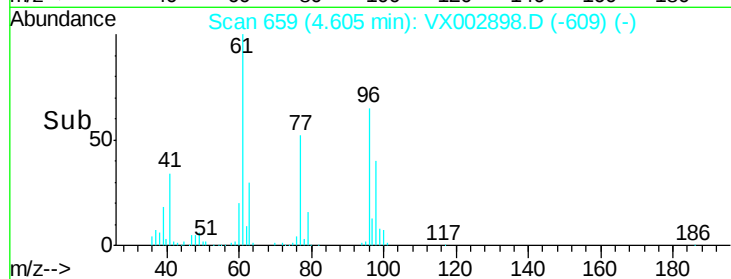
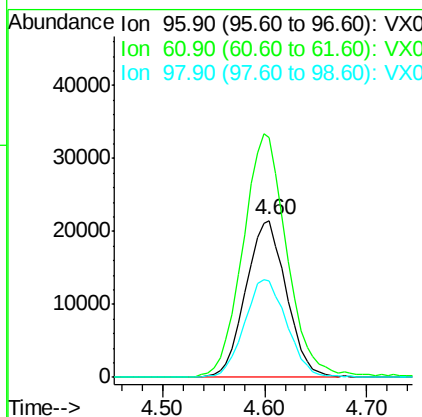
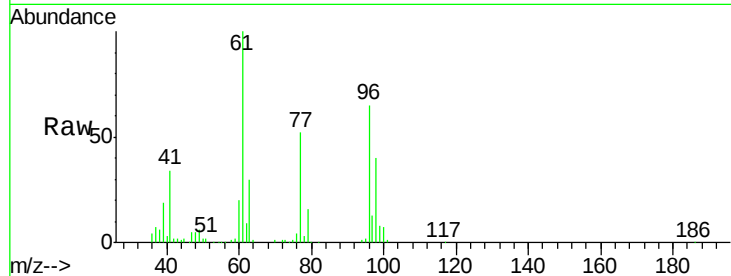
cis-1,2-Dichloroethene
Concen: 18.86 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0626WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	168.6	0.0	330.2	
98	64.7	0.0	130.2	

Manual Integrations
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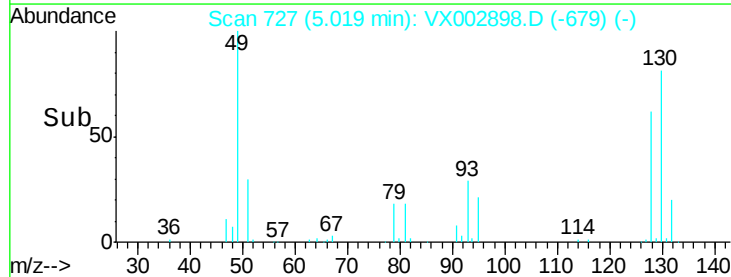
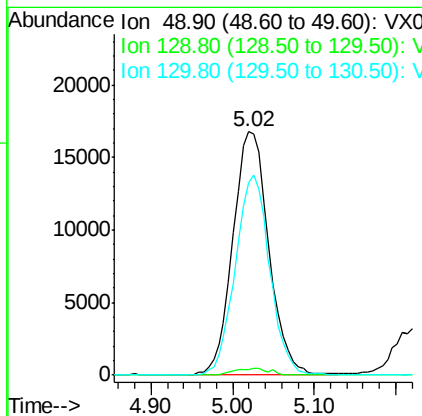
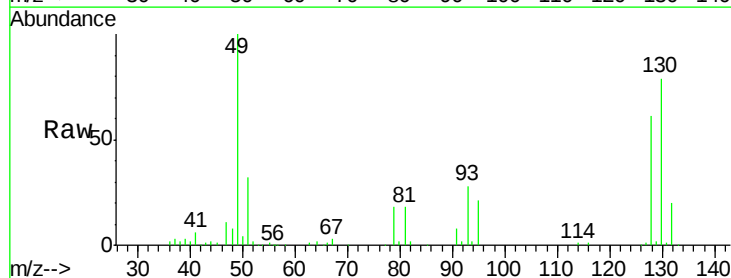
MMDadoda
6/28/2018 3:12:07 PM

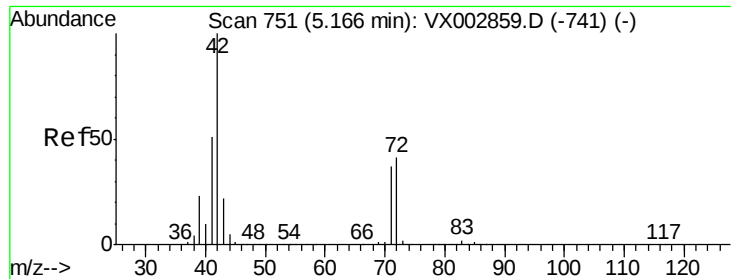


#28

Bromochloromethane
Concen: 20.22 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.7	0.0	4.2	
130	78.6	61.2	91.8	





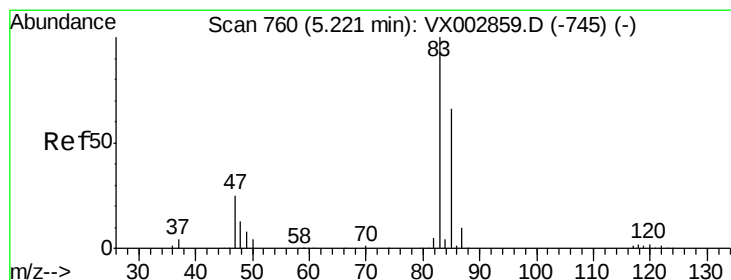
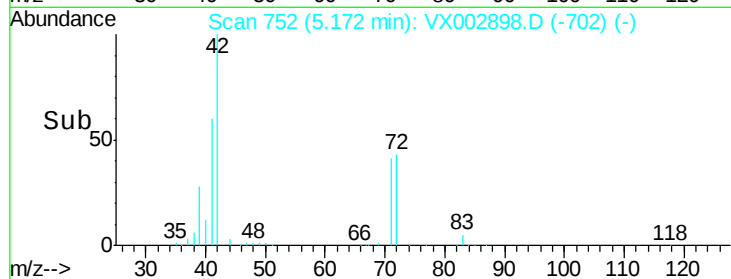
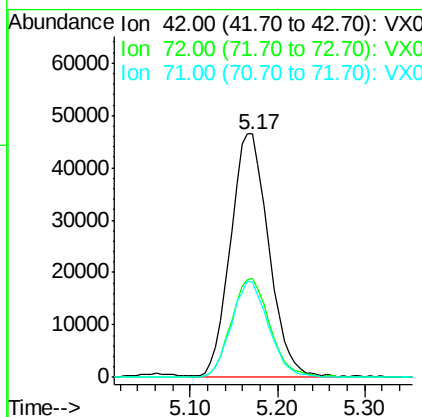
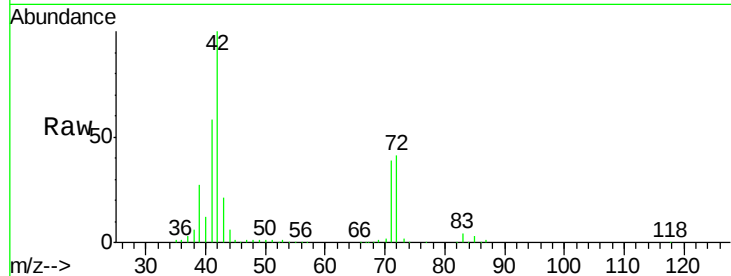
#29
Tetrahydrofuran
Concen: 98.14 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0626WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.0	48.0
71	38.8	30.1	45.1

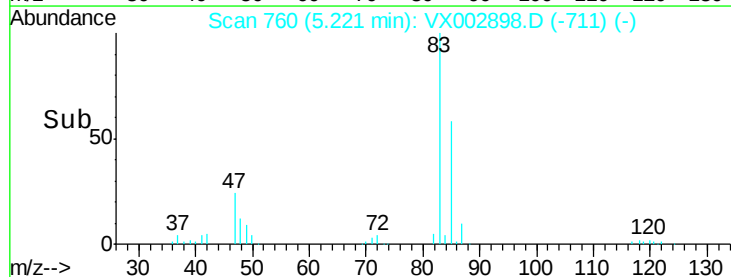
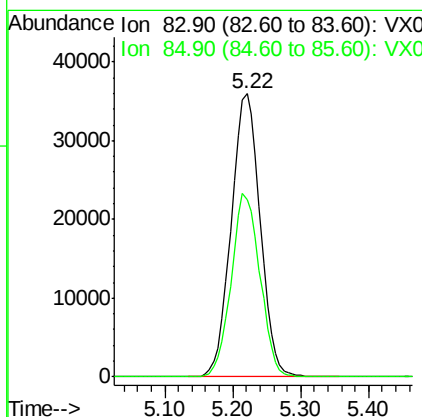
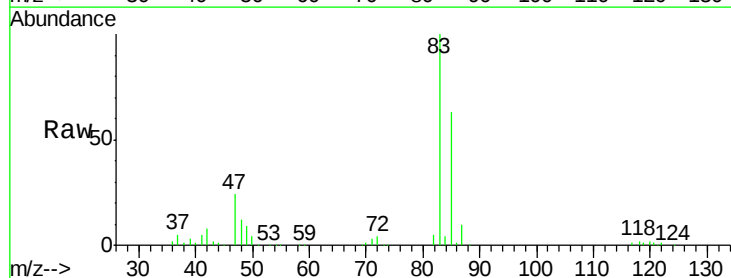
Manual Integrations
APPROVED

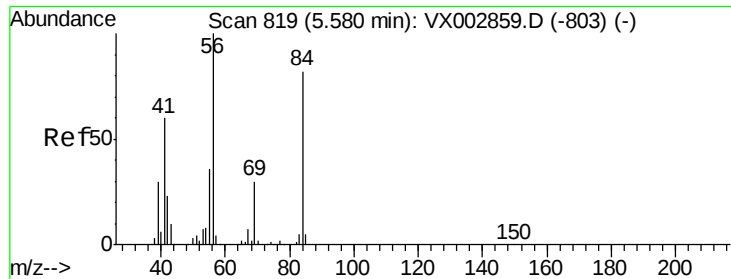
MMDadoda
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#30
Chloroform
Concen: 19.53 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.4	75.6





#31

Cyclohexane

Concen: 18.37 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

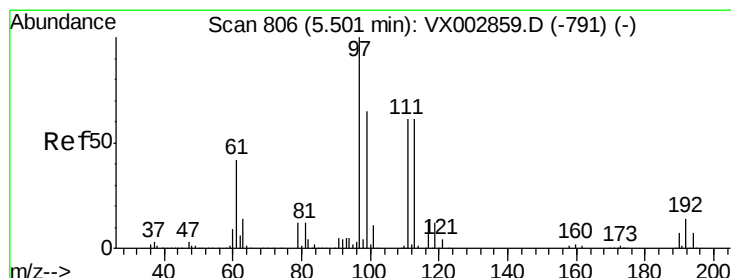
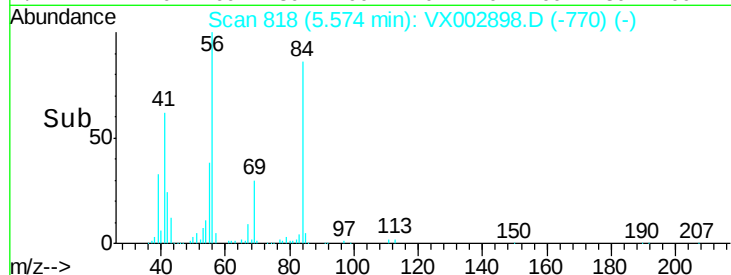
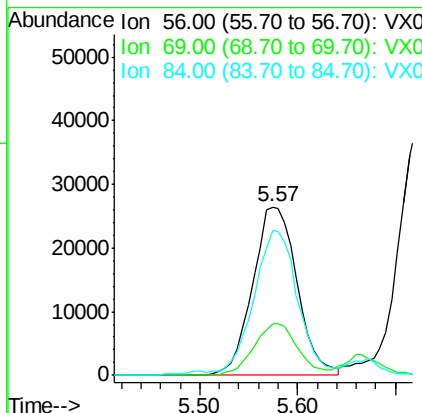
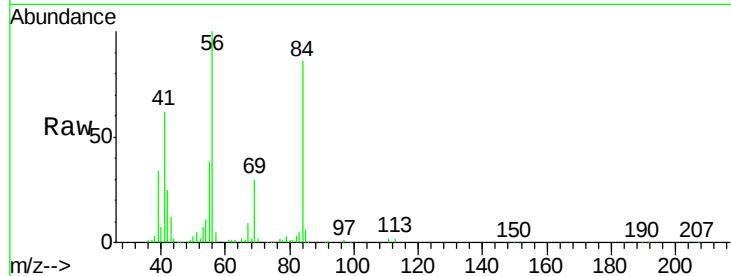
ClientSampleId :

VX0626WBSD01

Tot Ion:	56	Resp:	83568
Ion Ratio	Lower	Upper	
56	100		
69	30.4	23.7	35.5
84	84.8	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.16 ug/l

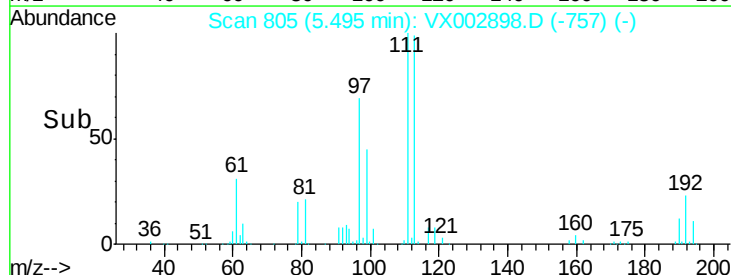
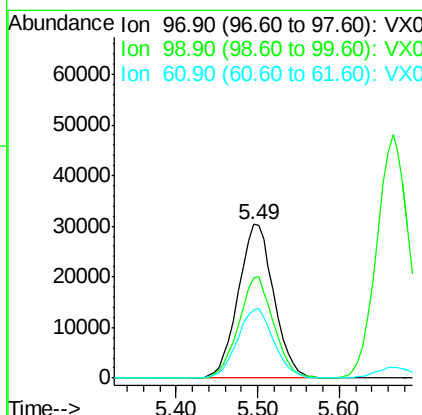
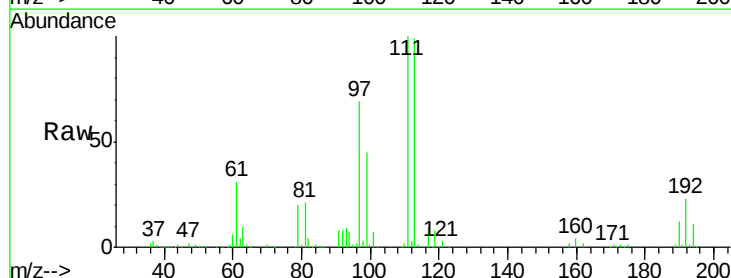
RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Tgt Ion:	97	Resp:	91692
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.6	77.4
61	46.3	36.4	54.6





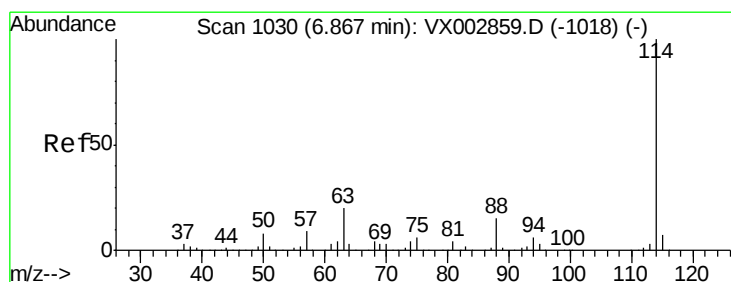
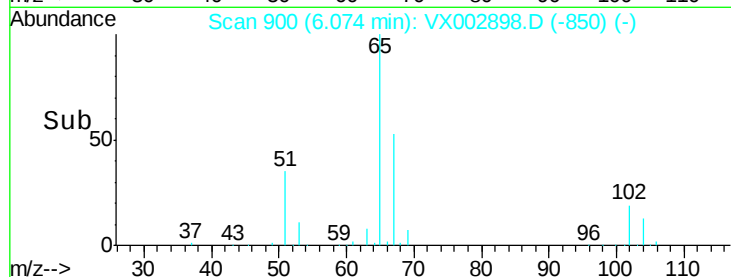
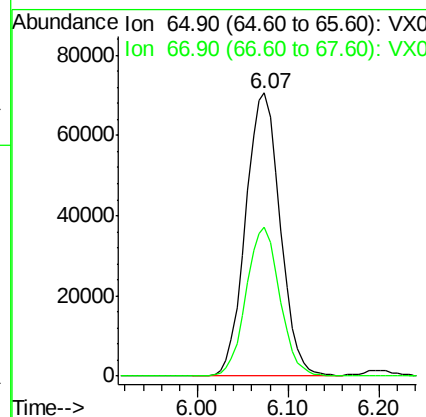
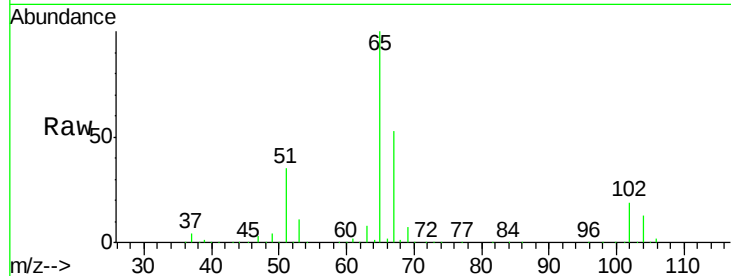
#33
 1,2-Dichloroethane-d4
 Concen: 51.28 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002898.D
 Acq: 26 Jun 2018 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0626WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	186014		
67	51.4	0.0	102.6	

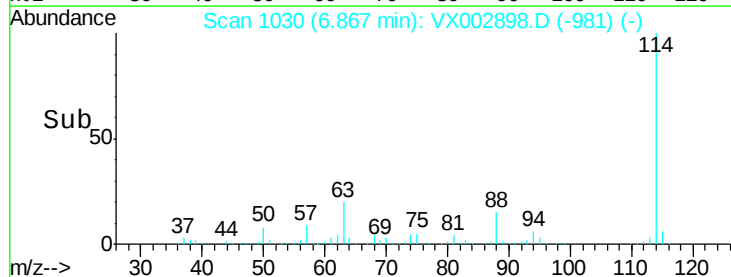
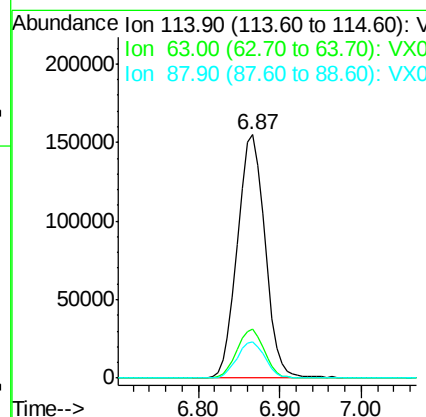
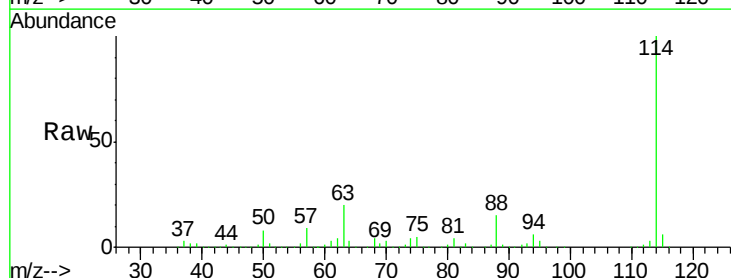
Manual Integrations
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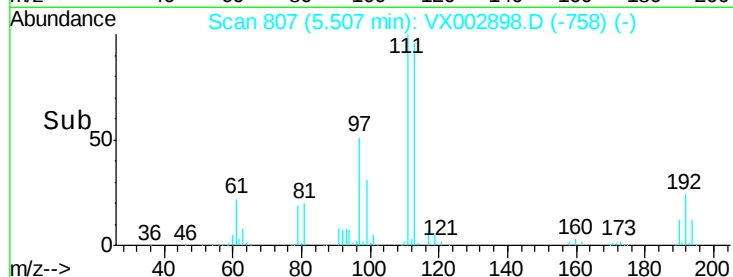
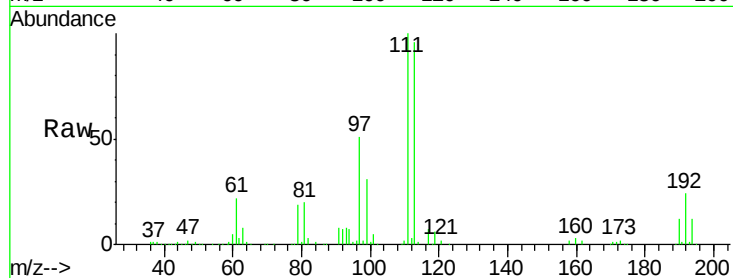
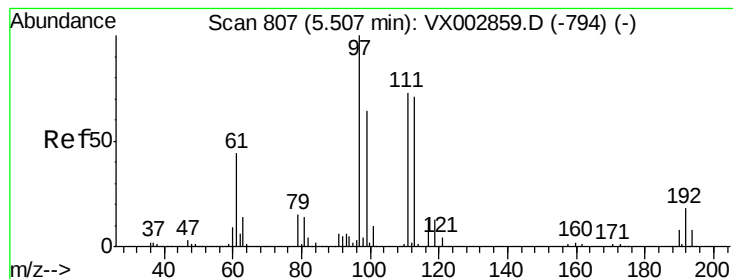
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002898.D
 Acq: 26 Jun 2018 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	363503		
63	20.2	0.0	41.4	
88	14.9	0.0	30.0	





#35

Dibromofluoromethane

Concen: 51.41 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002898.D

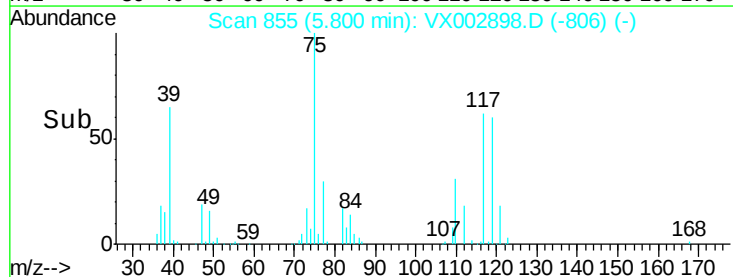
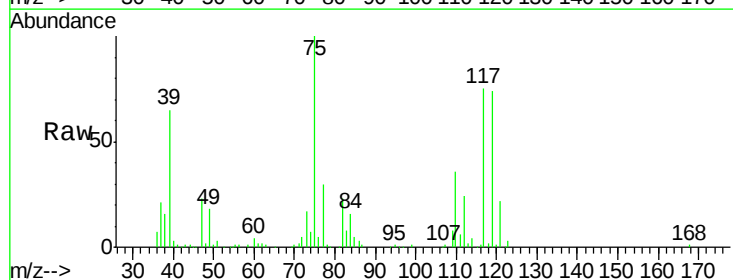
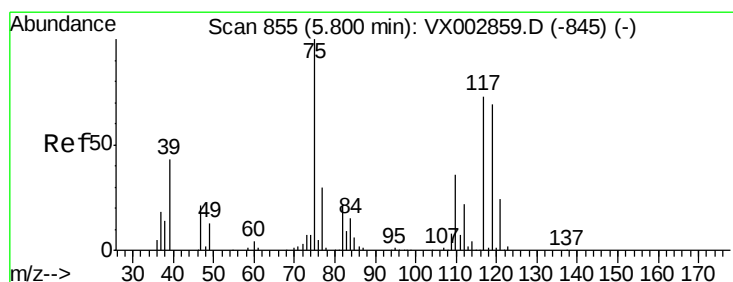
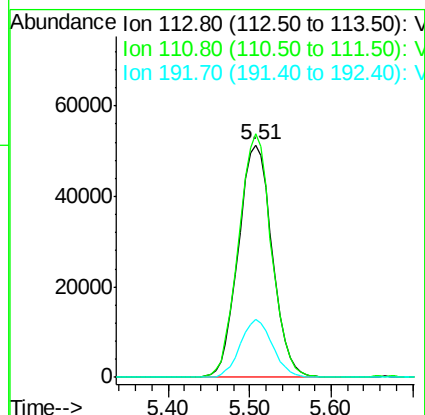
Acq: 26 Jun 2018 15:42

Tot Ion:	113	Resp:	147981
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.4	122.0
192	23.7	19.1	28.7

Instrument :
MSVOA_X
ClientSampleId :
VX0626WBSD01

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.37 ug/l

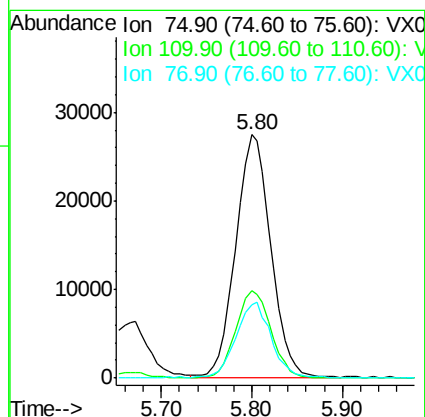
RT: 5.80 min Scan# 855

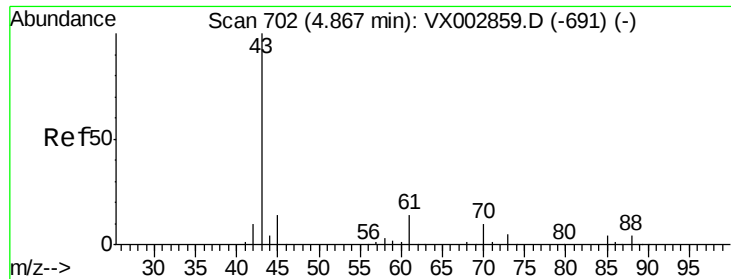
Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Tgt Ion:	75	Resp:	73232
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.1	54.4
77	31.6	24.3	36.5





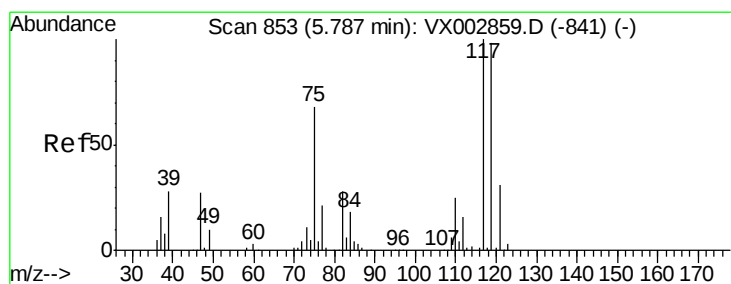
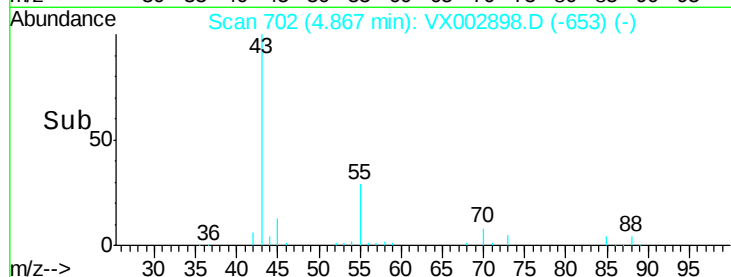
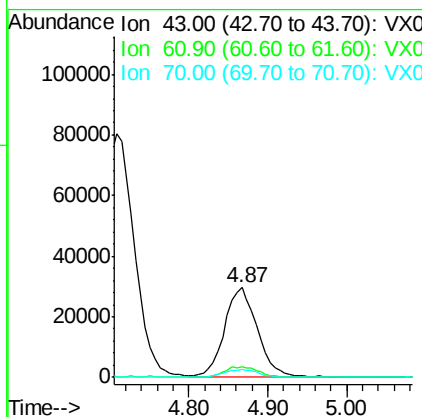
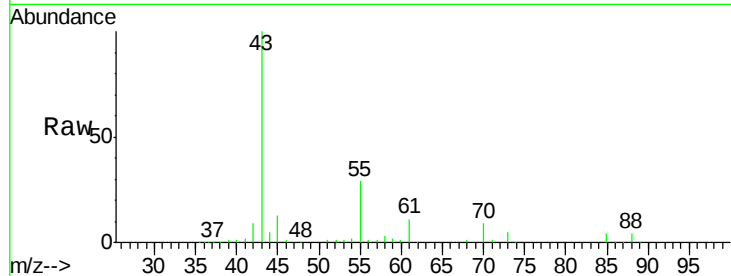
#37
Ethyl Acetate
Concen: 19.76 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Instrument :
MSVOA_X
ClientSampleID :
VX0626WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.4	15.6
70	9.6	7.6	11.4

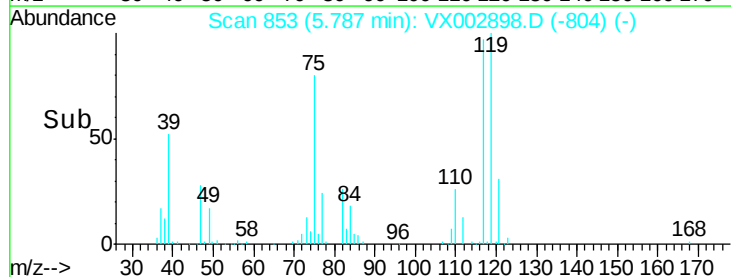
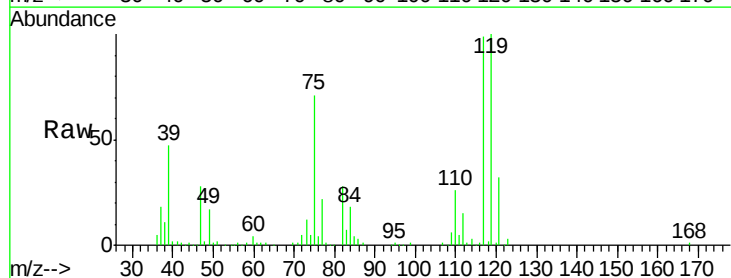
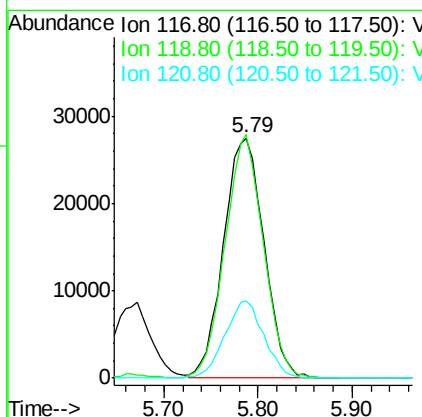
Manual Integrations
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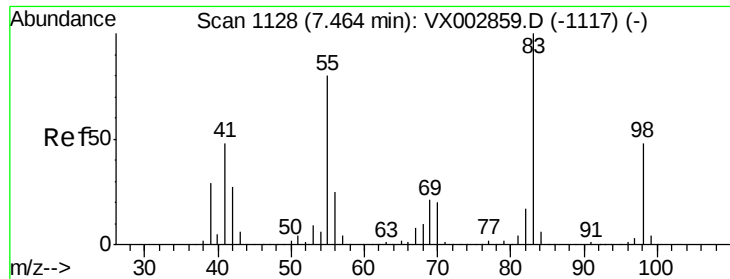
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.71 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.4	77.4	116.0
121	32.1	24.4	36.6





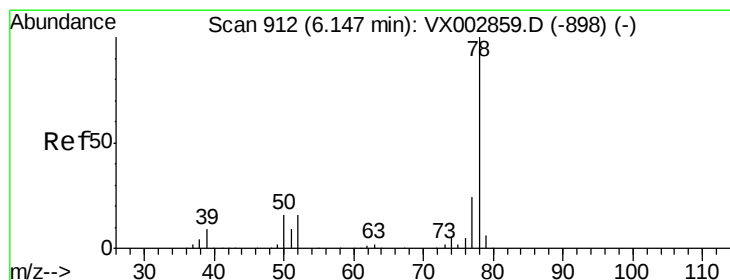
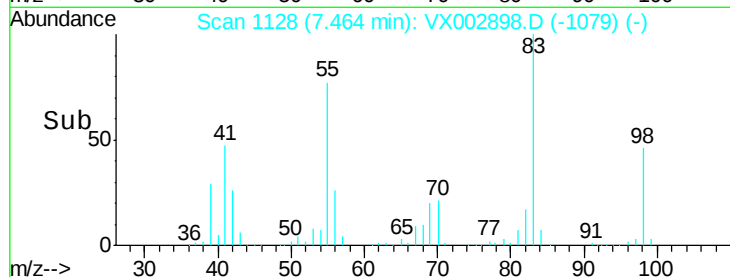
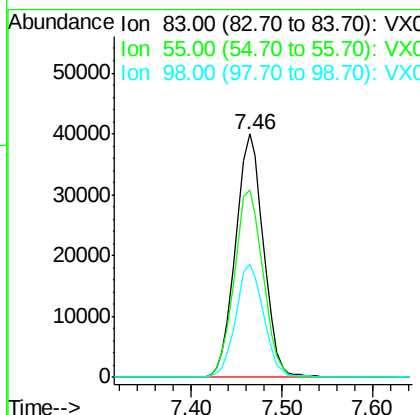
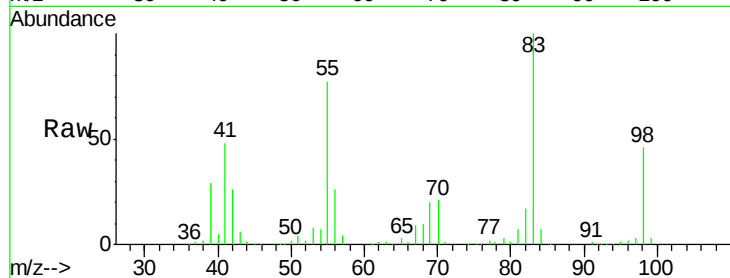
#39
Methvlcvclohexane
Concen: 18.43 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0626WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.8	65.4	98.0
98	46.5	37.4	56.0

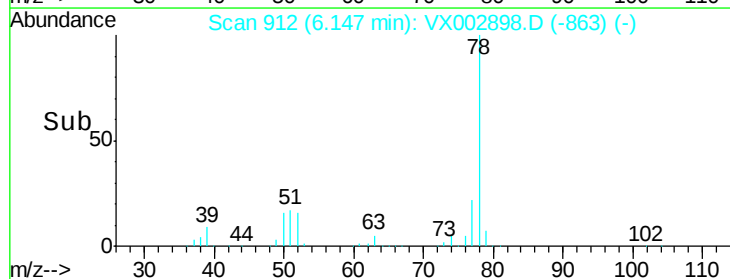
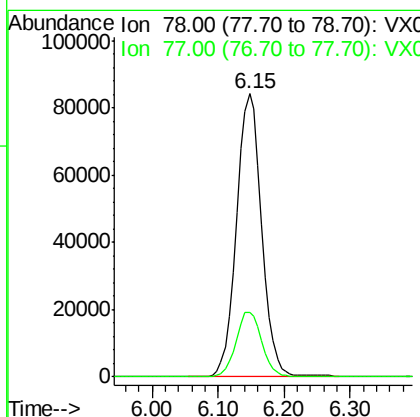
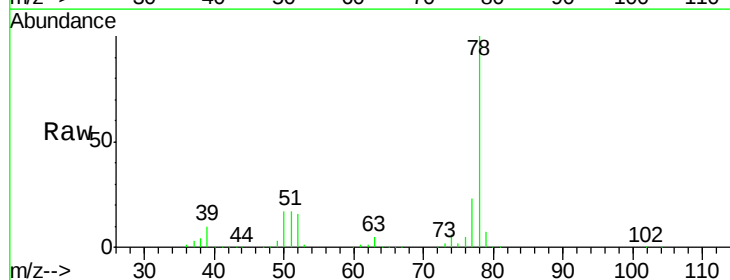
Manual Integrations
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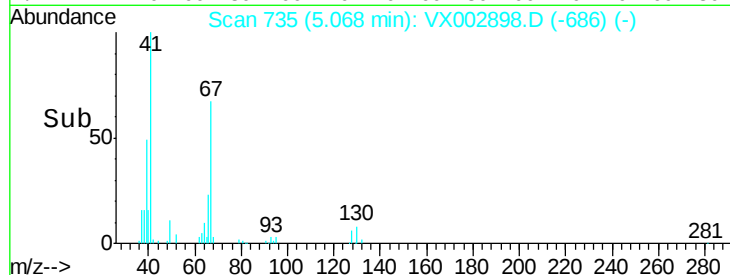
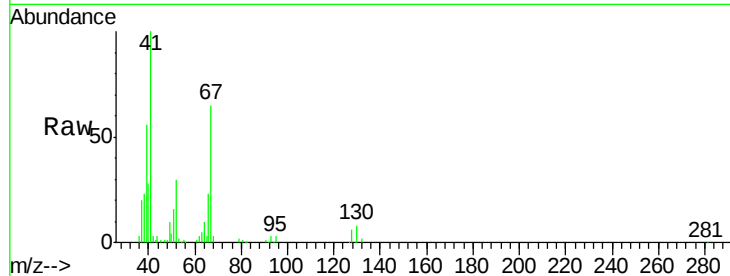
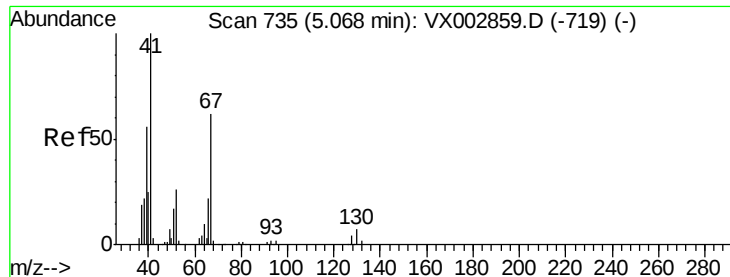
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#40
Benzene
Concen: 19.18 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.1	28.7





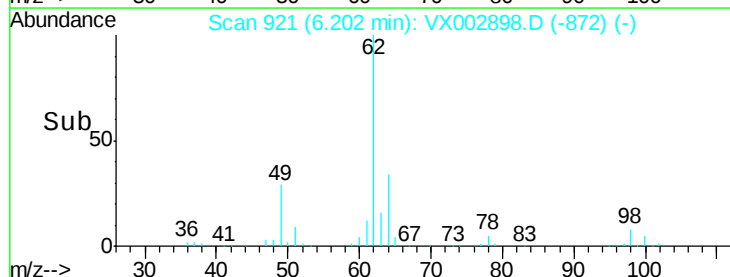
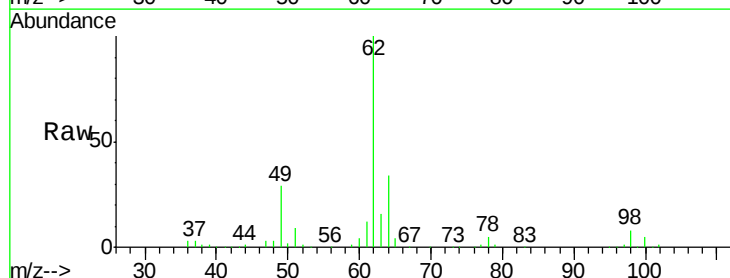
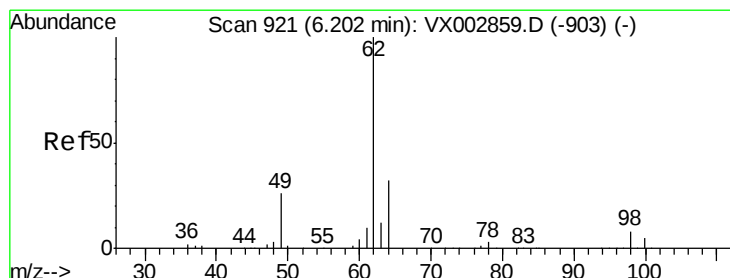
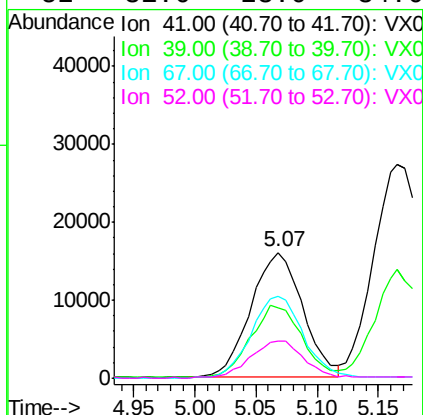
#41
Methacrylonitrile
Concen: 19.23 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	56.7	45.8	68.6
67	67	65.9	51.3	76.9
52	52	31.6	23.0	34.6

Instrument :
MSVOA_X
ClientSampleId :
VX0626WBSD01

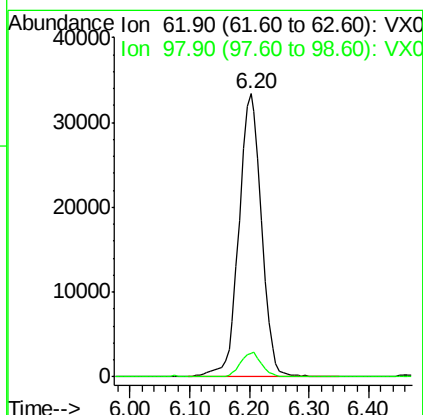
Manual Integrations
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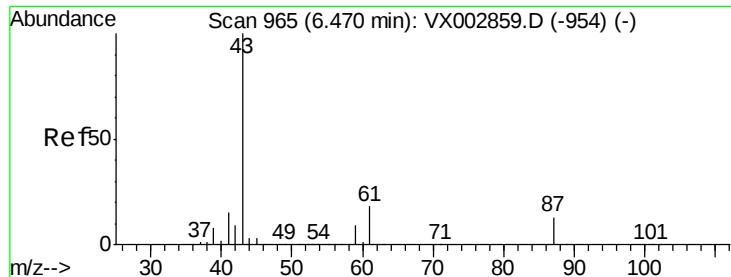
MMDadoda
6/28/2018 3:12:07 PM



#42
1,2-Dichloroethane
Concen: 18.87 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	8.0	0.0	16.6





#43

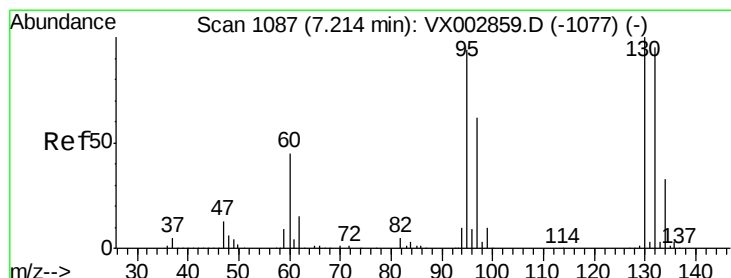
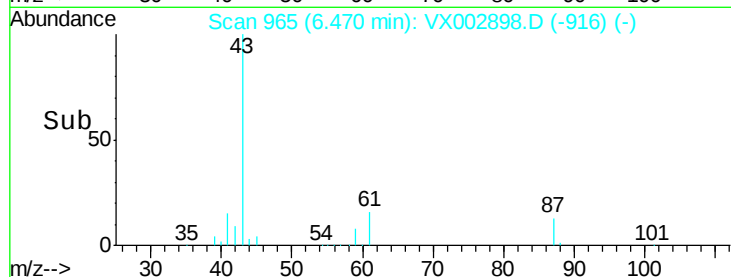
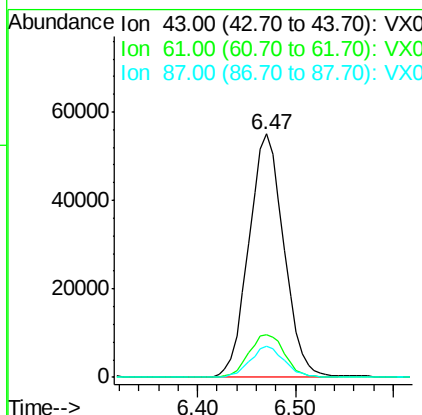
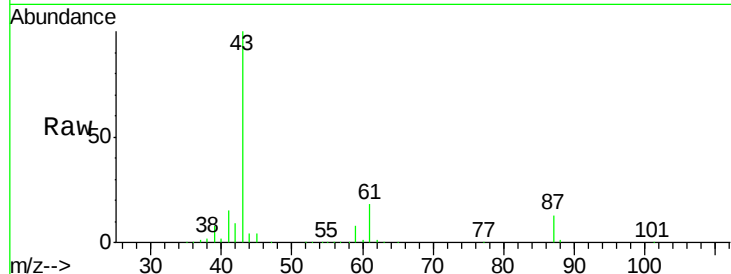
Isopropyl Acetate
 Concen: 18.88 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002898.D
 Acq: 26 Jun 2018 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0626WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.4	21.6
87	12.6	9.5	14.3

Manual Integrations
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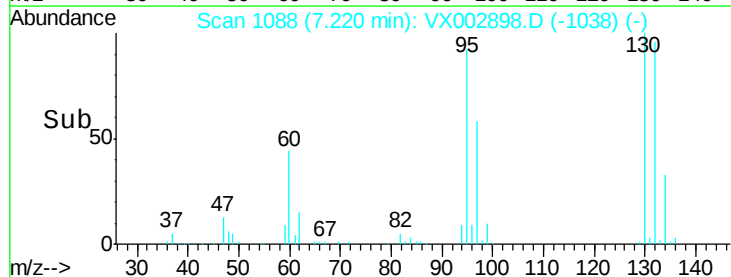
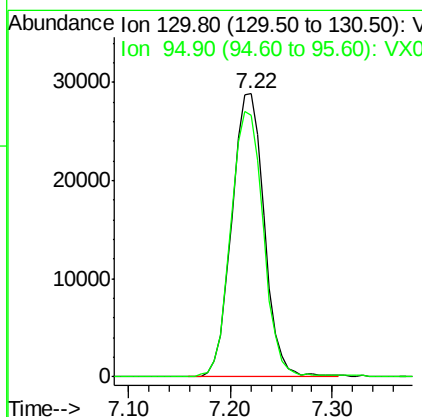
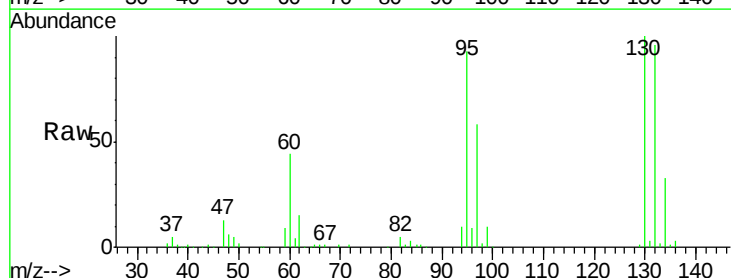
MMDadoda
 6/28/2018 3:12:07 PM



#44

Trichloroethene
 Concen: 18.36 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX002898.D
 Acq: 26 Jun 2018 15:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	185.4





#45

1,2-Dichloropropane

Concen: 19.13 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0626WBSD01

Tot Ion: 63 Resp: 58787

Ion Ratio Lower Upper

63 100

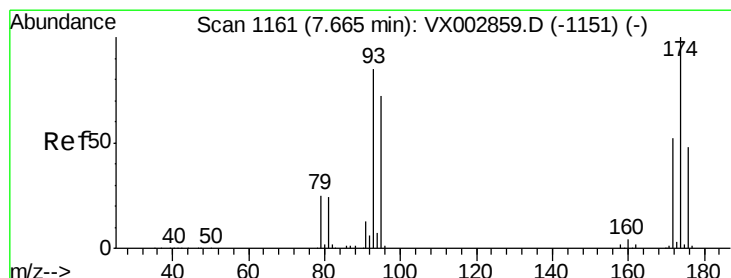
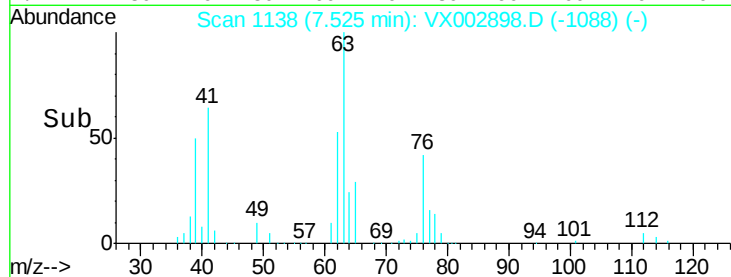
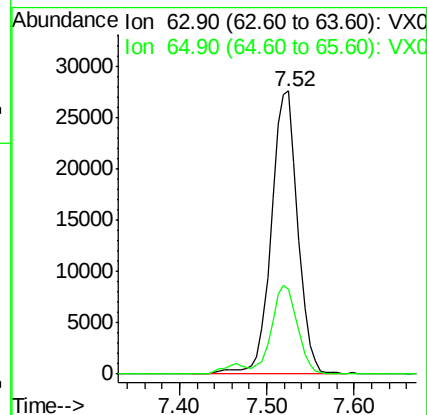
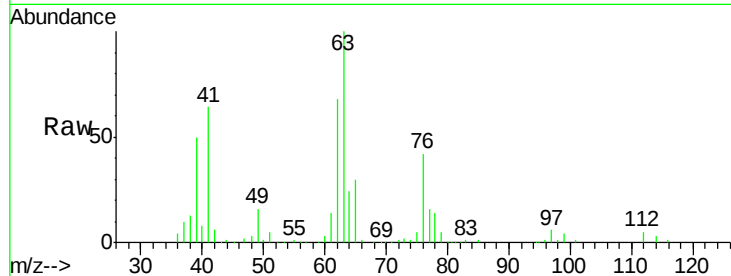
65 29.9 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 18.90 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

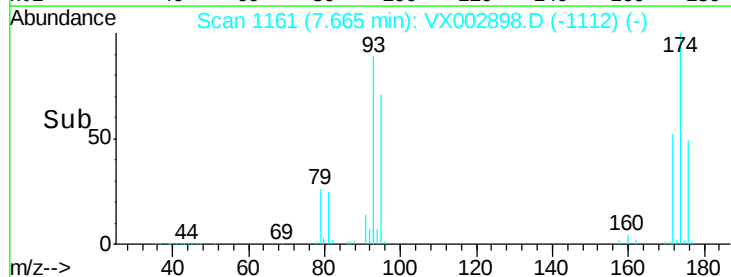
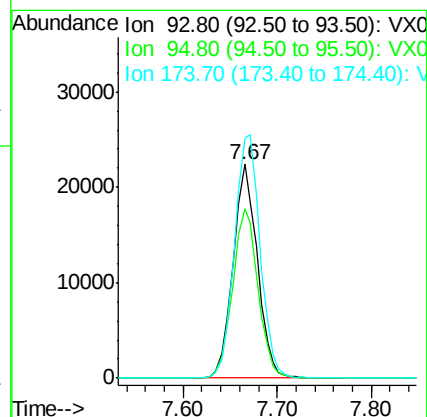
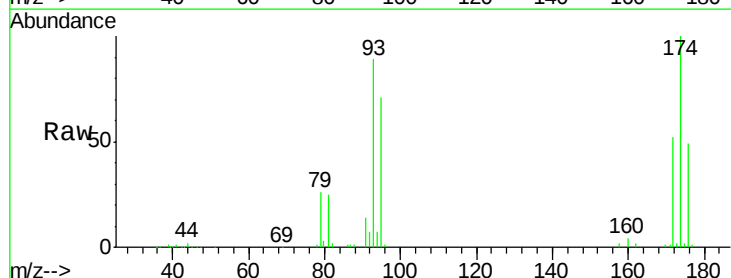
Tgt Ion: 93 Resp: 40309

Ion Ratio Lower Upper

93 100

95 82.1 65.9 98.9

174 119.9 92.4 138.6





#47

Bromodichloromethane

Concen: 19.08 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

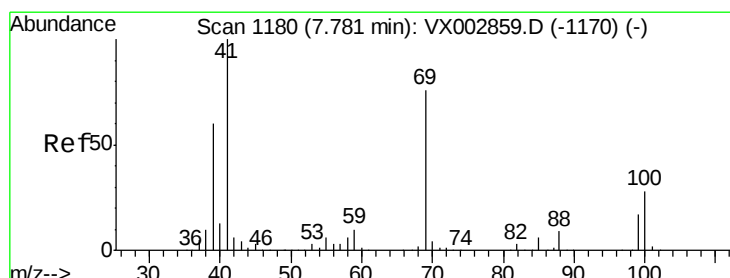
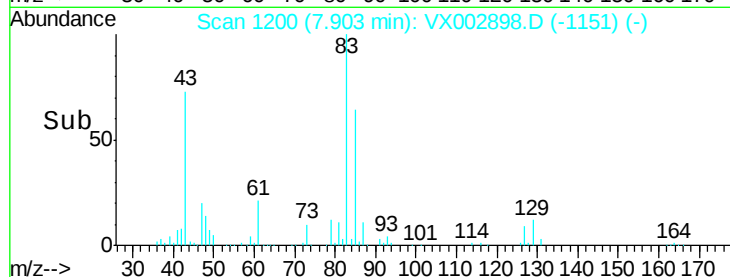
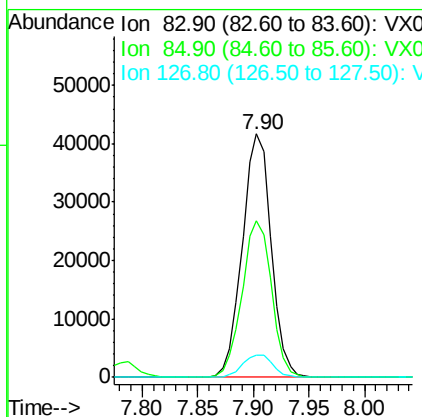
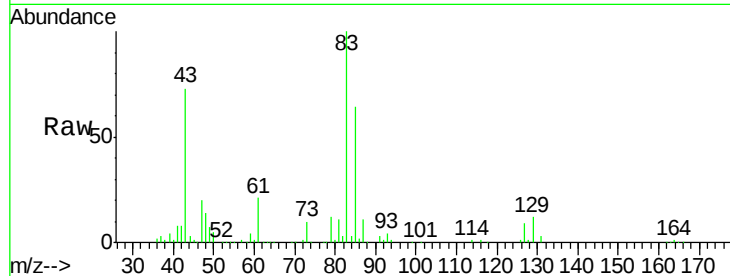
ClientSampleId :

VX0626WBSD01

Tot Ion:	83	Resp:	75194
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.3	75.5
127	9.3	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.06 ug/l

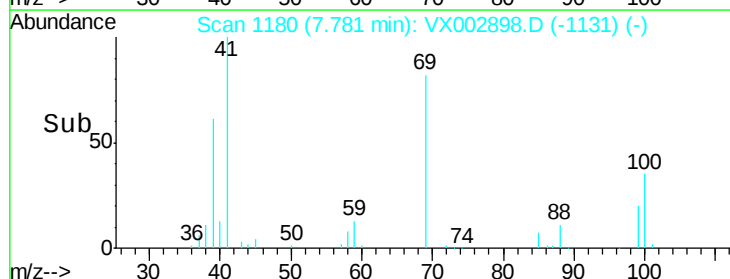
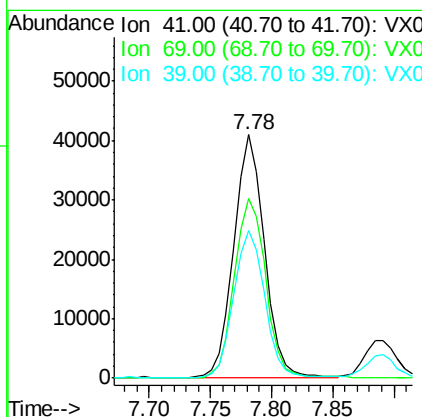
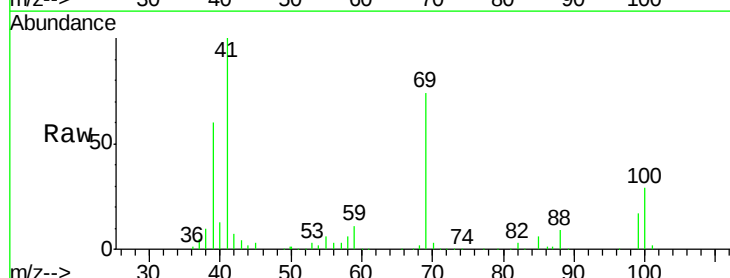
RT: 7.78 min Scan# 1180

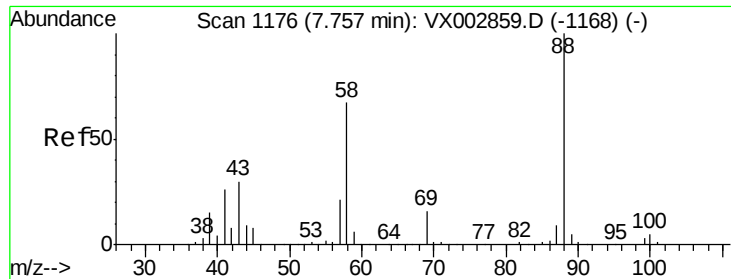
Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Tgt Ion:	41	Resp:	70696
Ion	Ratio	Lower	Upper
41	100		
69	75.8	59.1	88.7
39	61.4	48.9	73.3





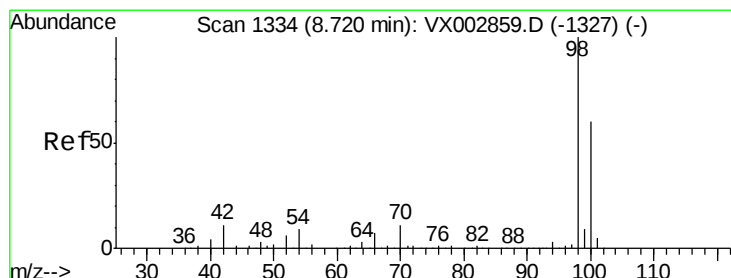
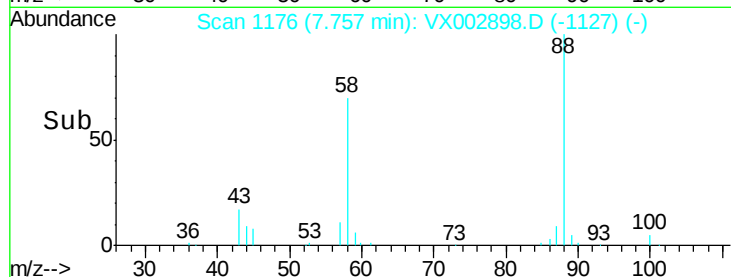
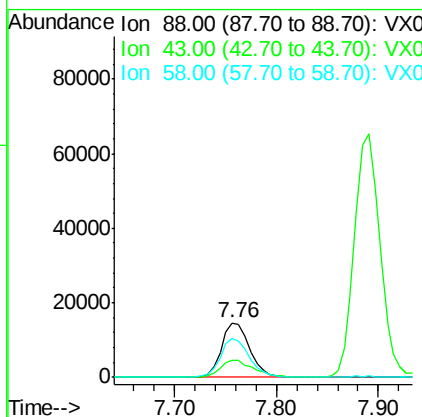
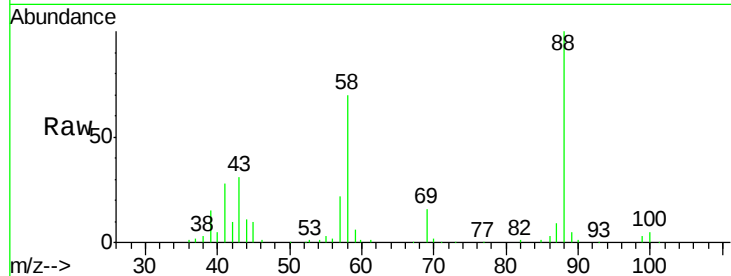
#49
1,4-Dioxane
Concen: 391.90 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0626WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	29.8	44.6
58	73.6	57.1	85.7

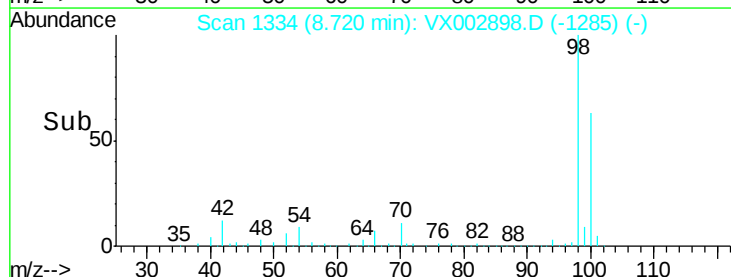
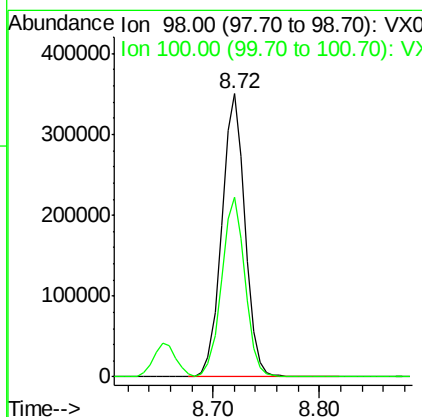
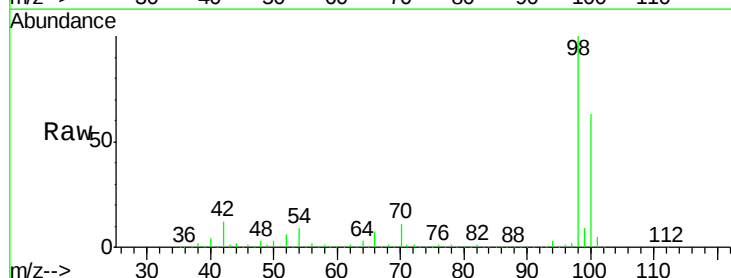
Manual Integrations
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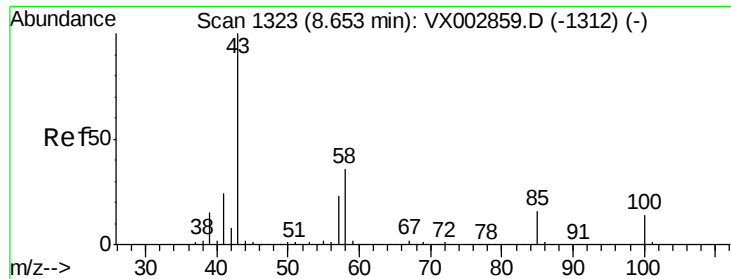
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#50
Toluene-d8
Concen: 50.75 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 99.78 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0626WBSD01

Tot Ion: 43 Resp: 449383

Ion Ratio Lower Upper

43 100

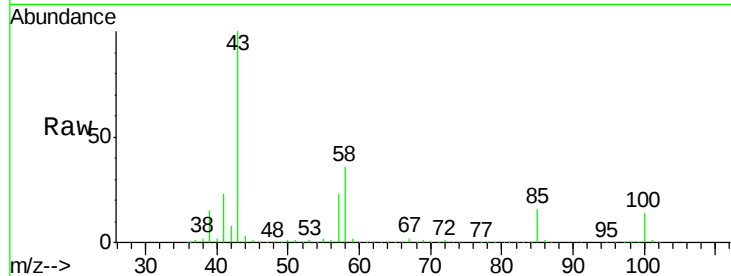
58 35.8 28.6 42.8

Manual Integrations

APPROVED

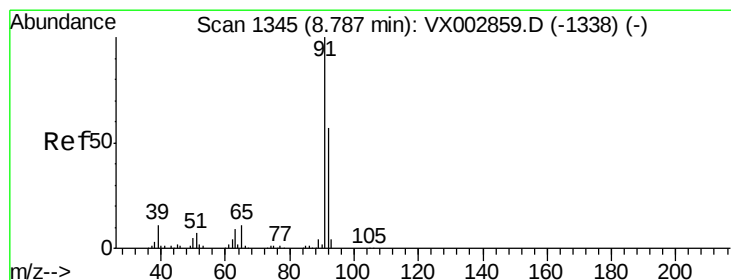
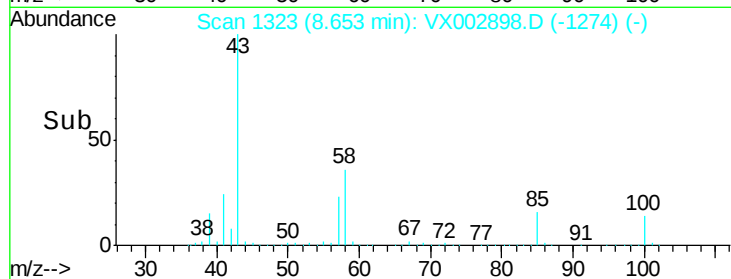
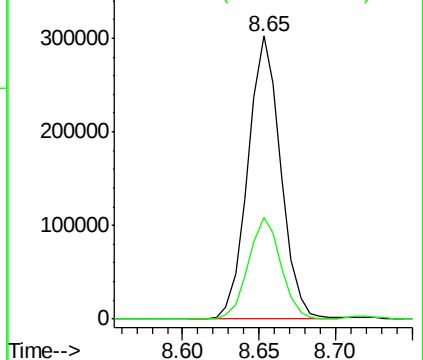
MMDadoda

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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: 19.22 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002898.D

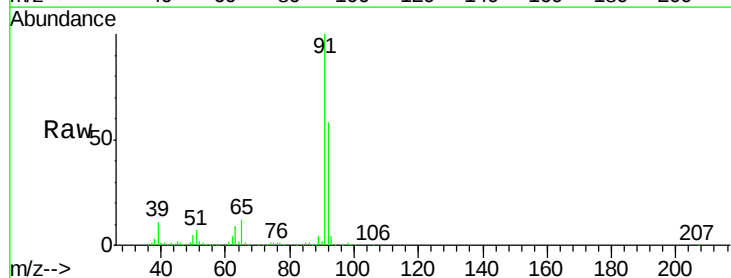
Acq: 26 Jun 2018 15:42

Tgt Ion: 92 Resp: 142633

Ion Ratio Lower Upper

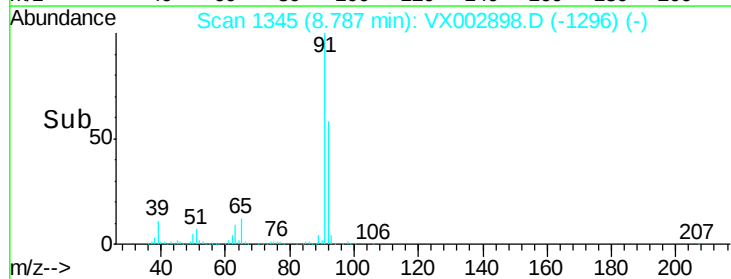
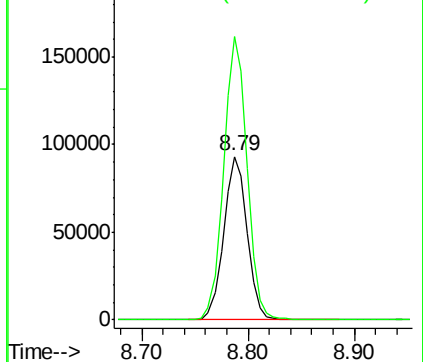
92 100

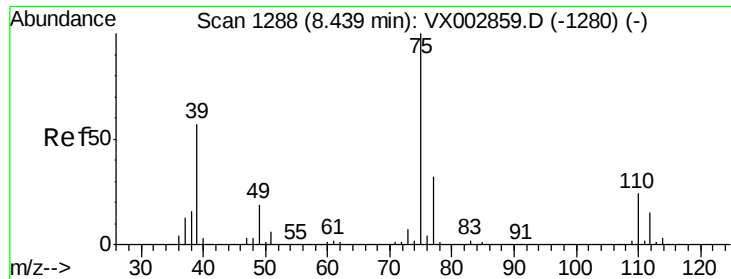
91 173.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





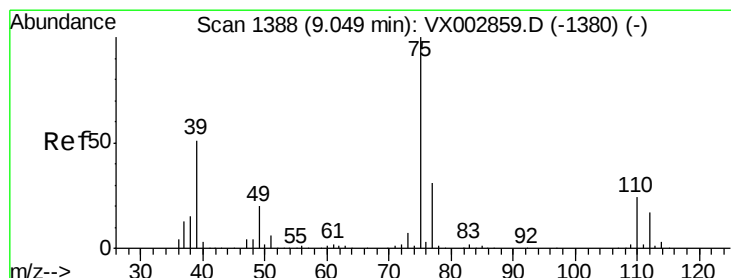
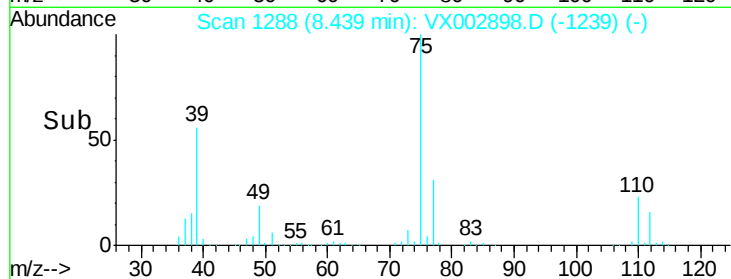
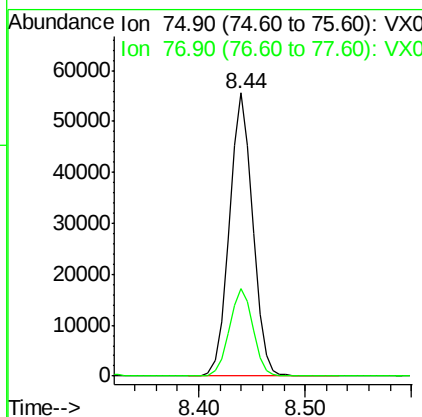
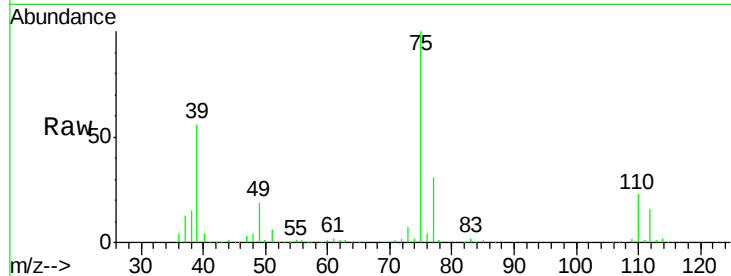
#53
t-1,3-Dichloropropene
Concen: 19.19 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0626WBSD01

Tot Ion: 75 Resp: 85662
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.2

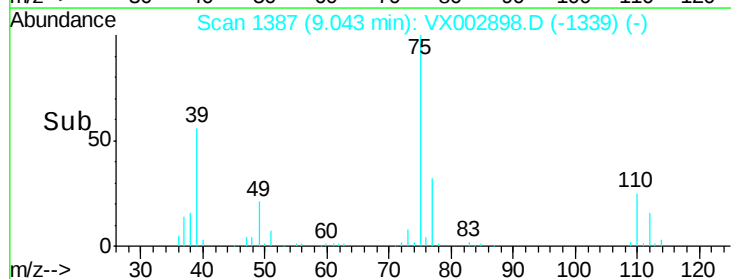
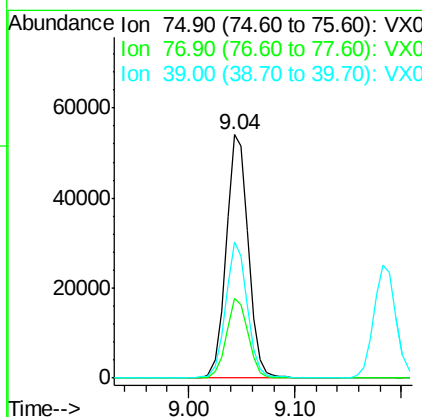
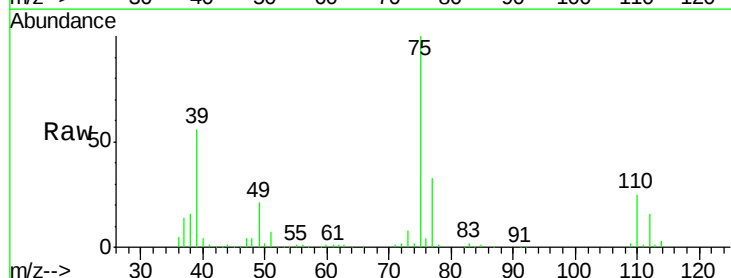
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 18.28 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tgt Ion: 75 Resp: 78521
Ion Ratio Lower Upper
75 100
77 32.8 24.8 37.2
39 55.7 42.4 63.6





#55

1,1,2-Trichloroethane

Concen: 19.42 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

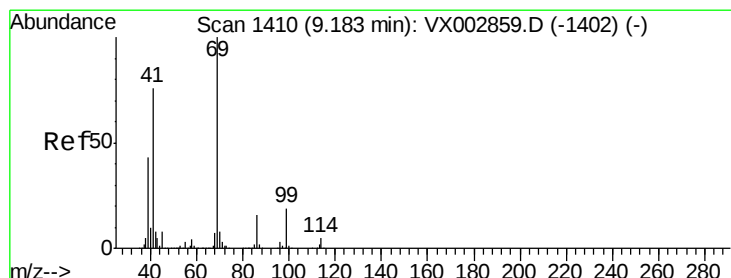
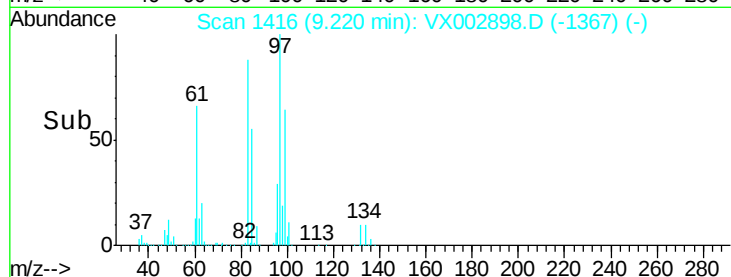
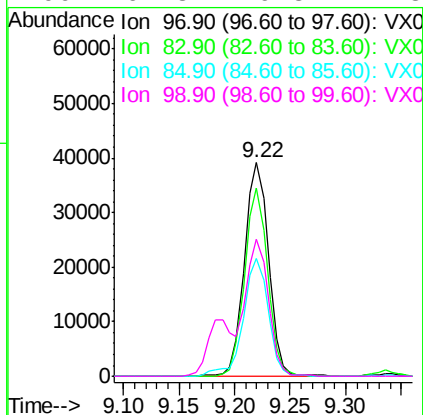
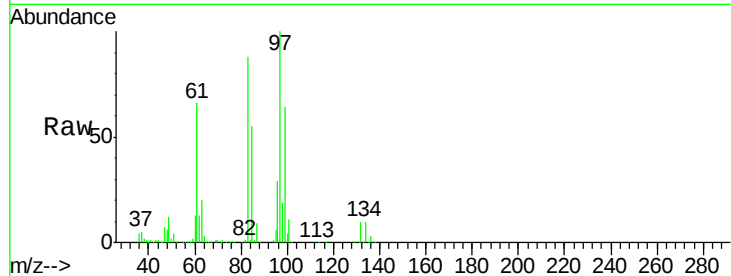
ClientSampleId :

VX0626WBSD01

Tot Ion:	97	Resp:	59205
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.2	105.2
85	54.9	44.9	67.3
99	64.3	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.02 ug/l

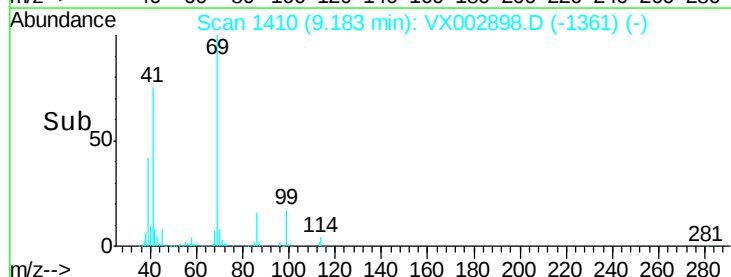
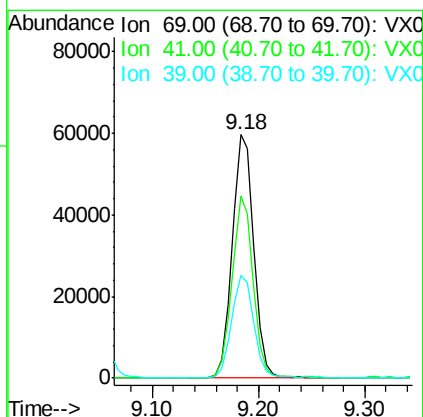
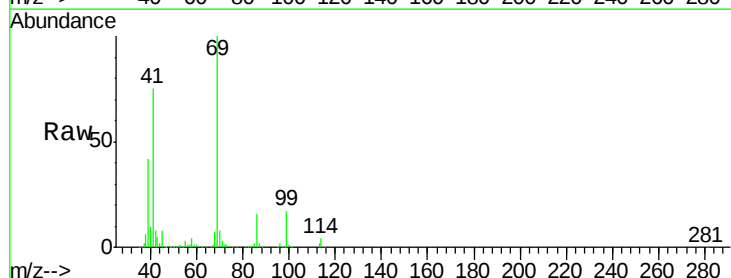
RT: 9.18 min Scan# 1410

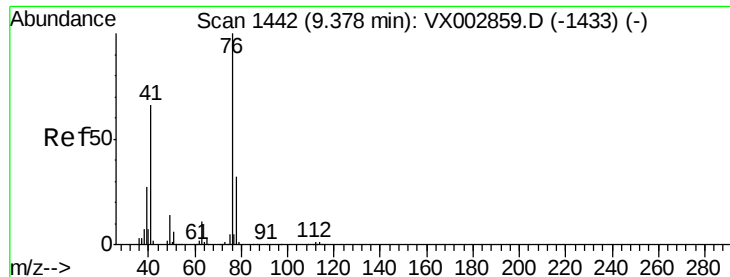
Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Tgt Ion:	69	Resp:	84741
Ion	Ratio	Lower	Upper
69	100		
41	73.3	60.3	90.5
39	43.1	35.8	53.8





#57

1,3-Dichloropropane

Concen: 19.40 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0626WBSD01

Tot Ion: 76 Resp: 97148

Ion Ratio Lower Upper

76 100

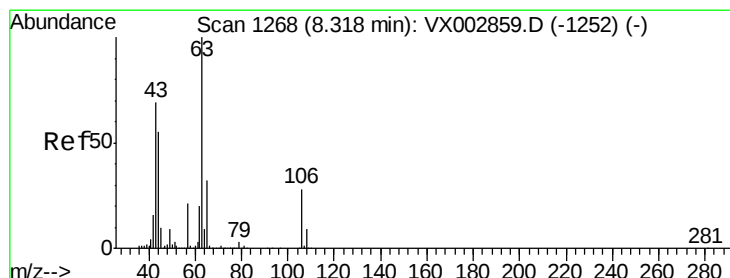
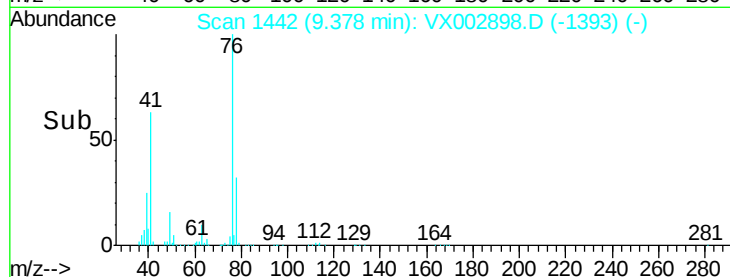
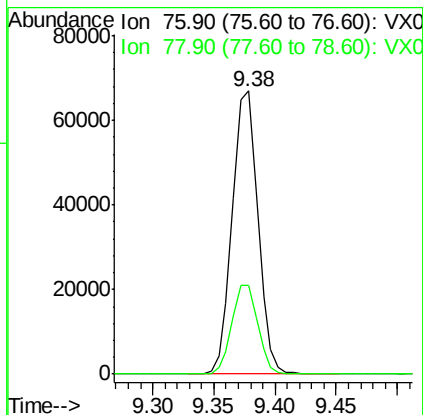
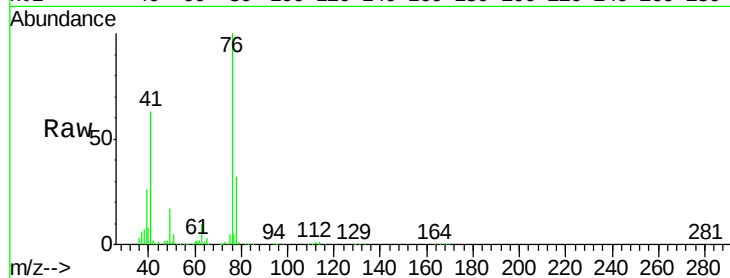
78 32.1 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 100.69 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002898.D

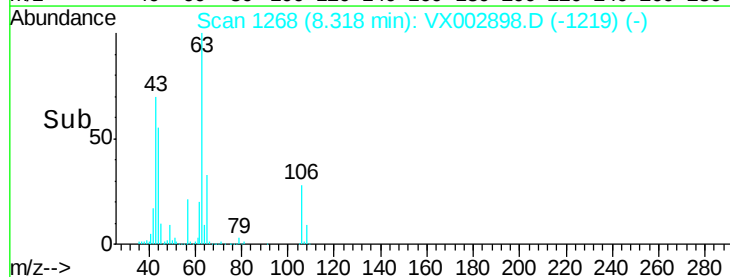
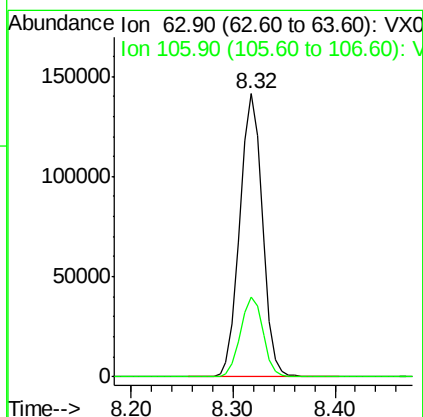
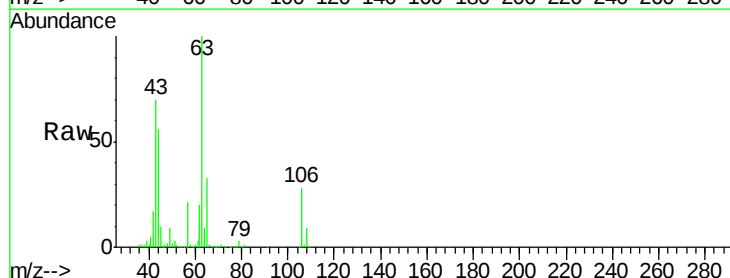
Acq: 26 Jun 2018 15:42

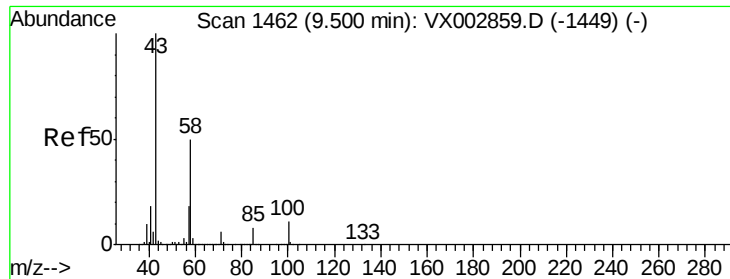
Tgt Ion: 63 Resp: 216461

Ion Ratio Lower Upper

63 100

106 28.3 21.8 32.8





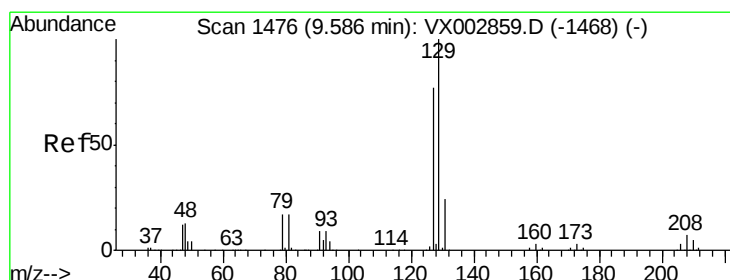
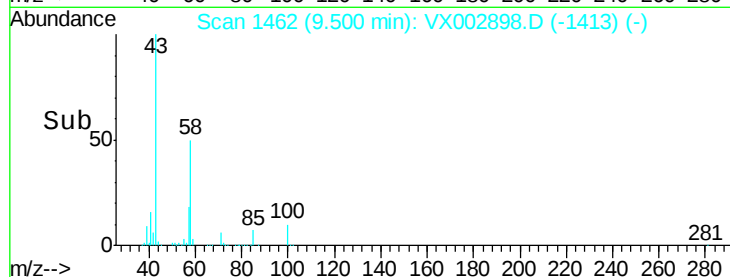
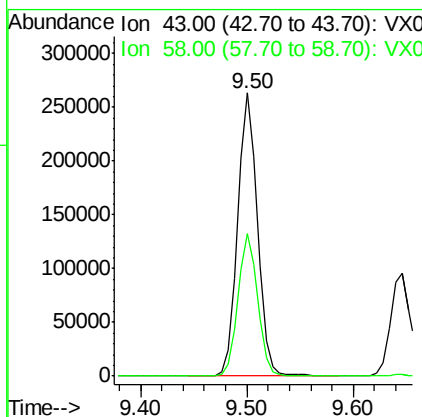
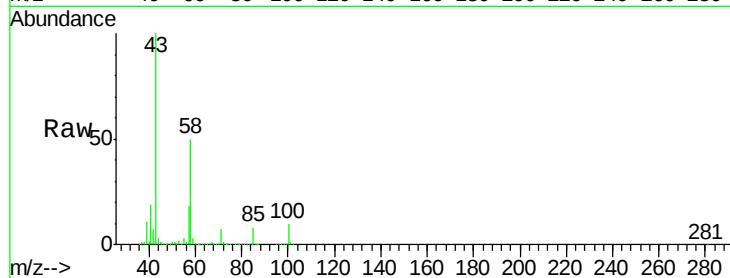
#59
2-Hexanone
Concen: 100.68 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0626WBSD01

Tot Ion: 43 Resp: 344601
Ion Ratio Lower Upper
43 100
58 50.3 24.6 73.6

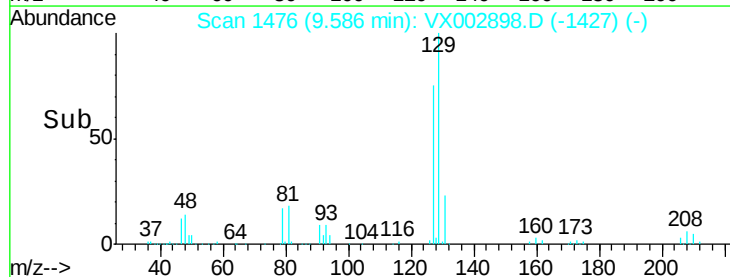
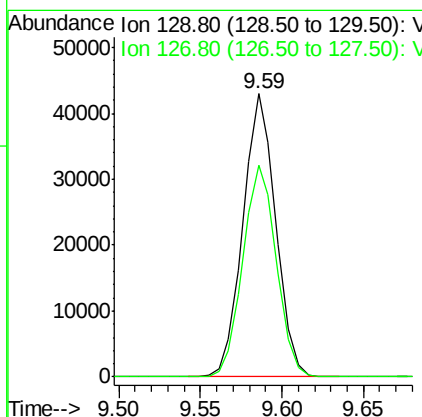
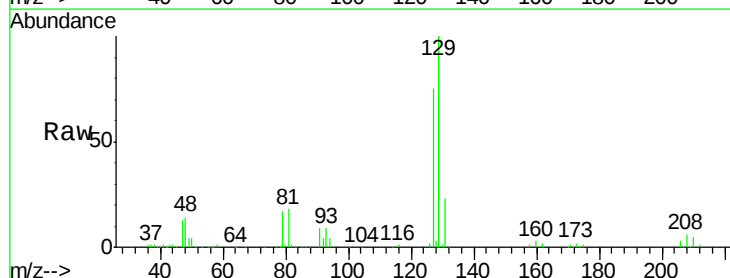
Manual Integrations
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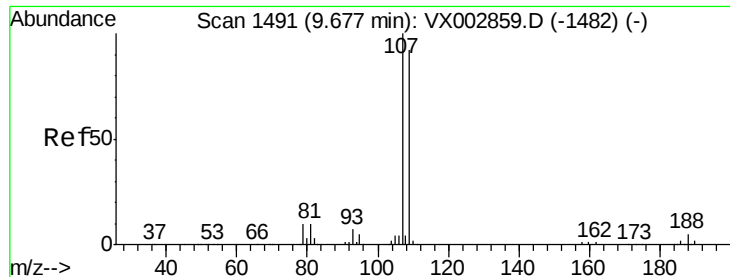
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#60
Dibromochloromethane
Concen: 18.74 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tgt Ion: 129 Resp: 60164
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.3





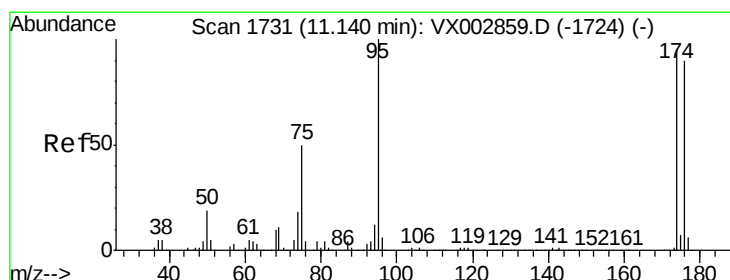
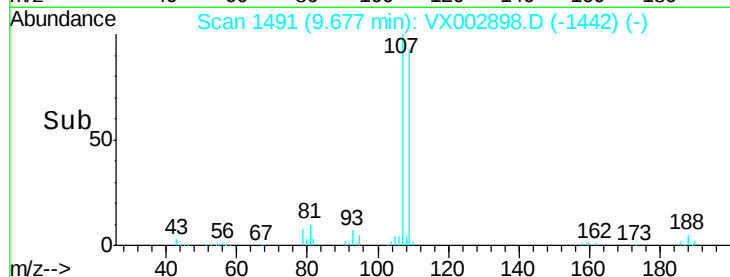
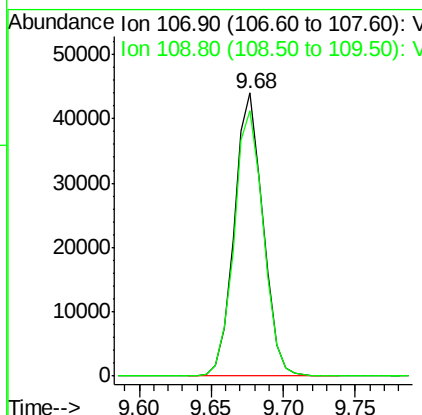
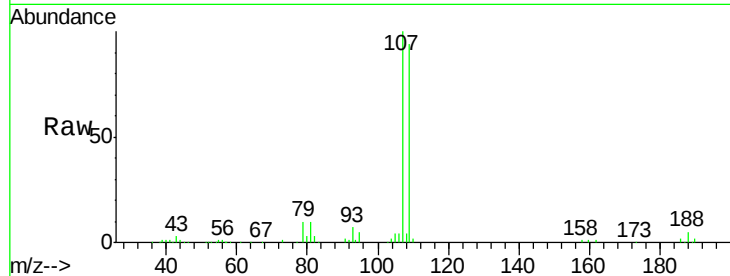
#61
 1,2-Dibromoethane
 Concen: 19.10 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX002898.D
 Acq: 26 Jun 2018 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0626WBSD01

Tot Ion:107 Resp: 61098
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.3 112.9

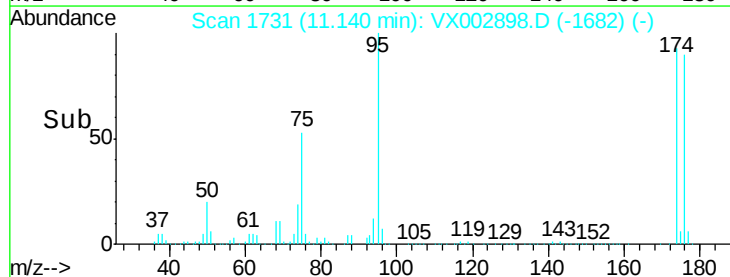
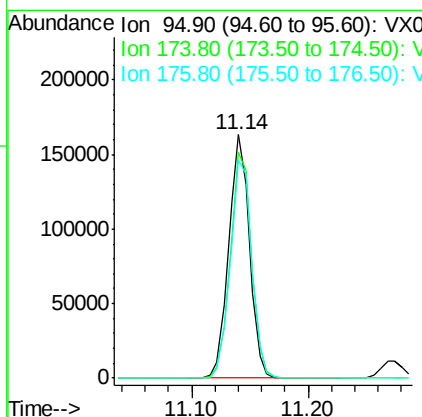
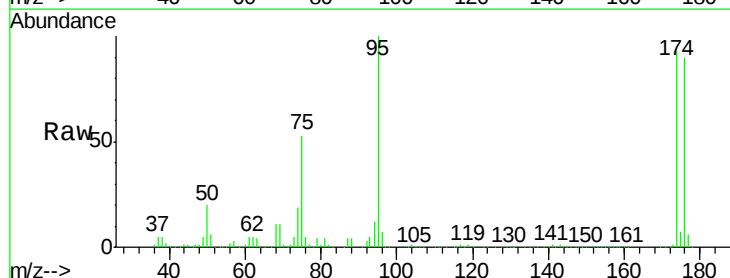
Manual Integrations
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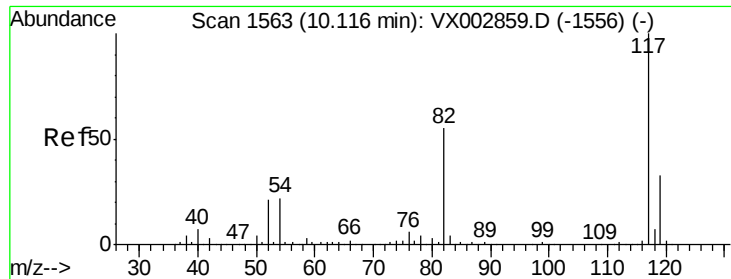
MMDadoda
 6/28/2018 3:12:07 PM



#62
 4-Bromofluorobenzene
 Concen: 49.69 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX002898.D
 Acq: 26 Jun 2018 15:42

Tgt Ion: 95 Resp: 201428
 Ion Ratio Lower Upper
 95 100
 174 95.3 0.0 187.4
 176 93.2 0.0 181.0





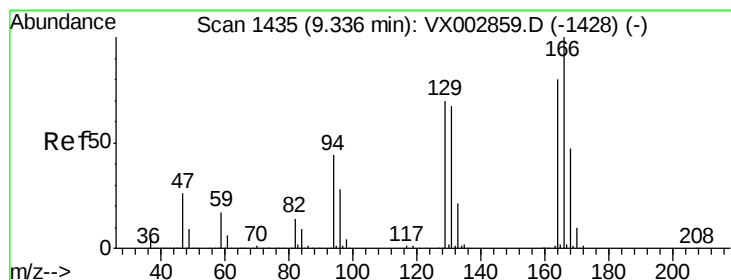
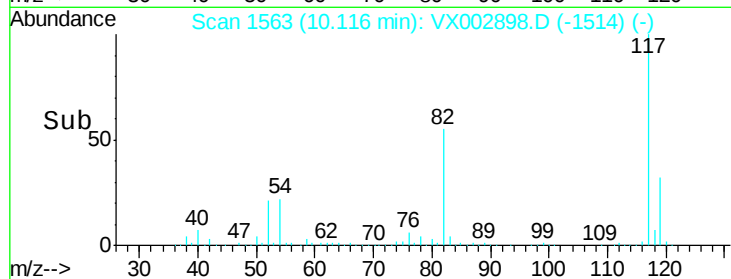
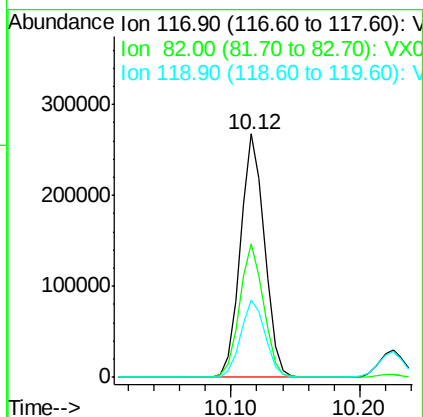
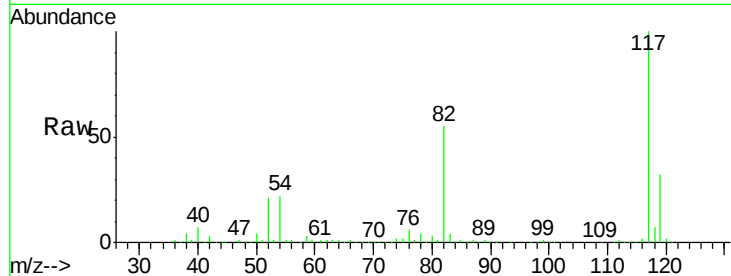
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0626WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	45.0	67.4
119	31.9	25.8	38.6

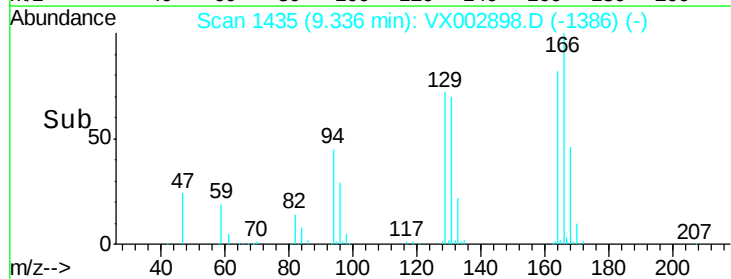
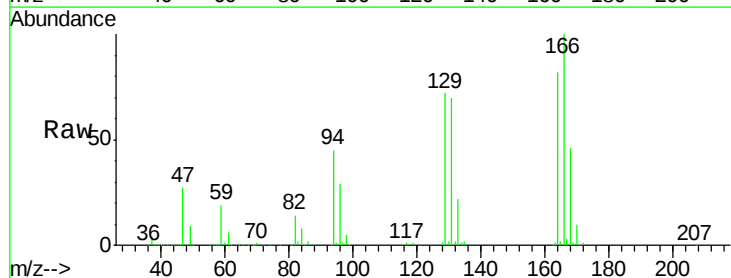
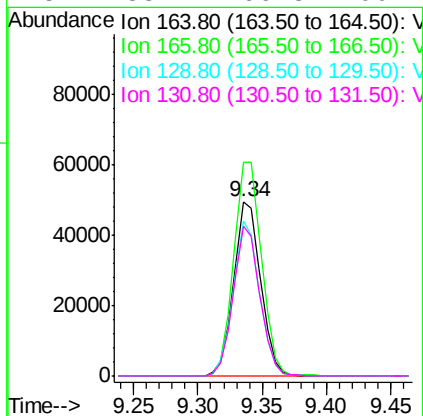
Manual Integrations
APPROVED

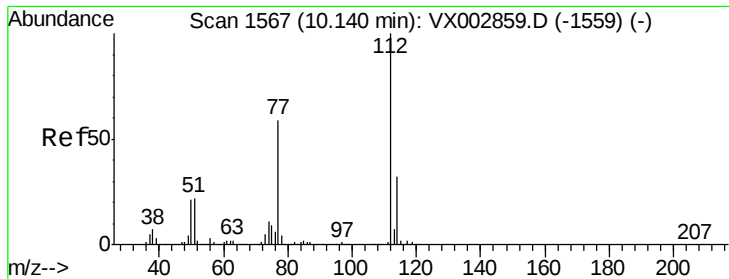
MMDadoda
6/28/2018 3:12:07 PM



#64
Tetrachloroethene
Concen: 18.86 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.4	102.9	154.3
129	88.6	68.6	102.8
131	85.7	66.8	100.2





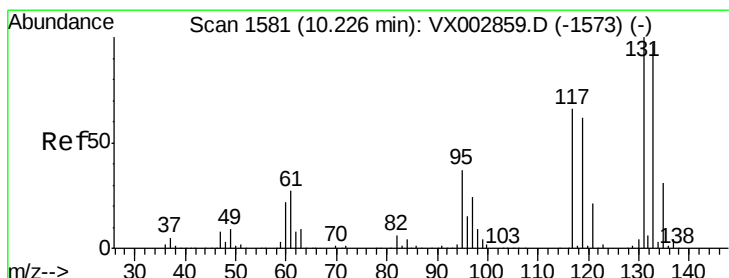
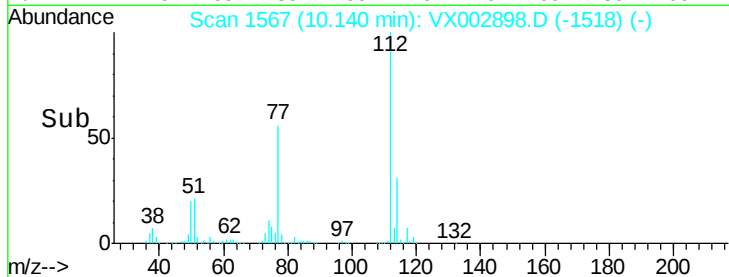
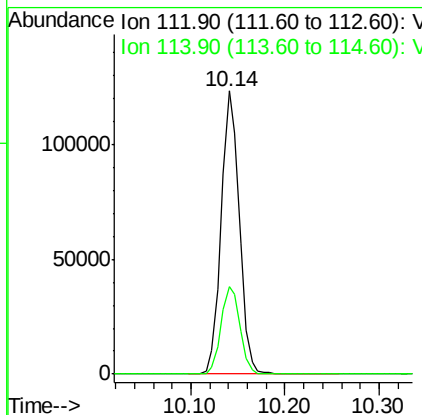
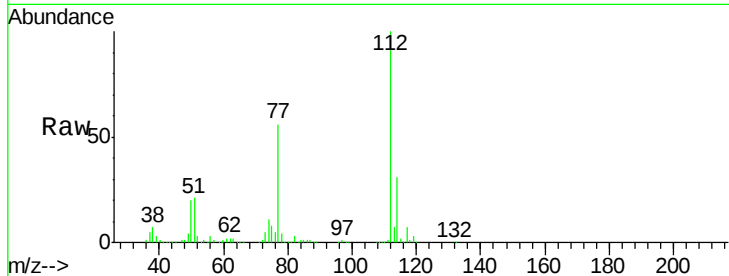
#65
Chlorobenzene
Concen: 18.74 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0626WBSD01

Tot Ion:112 Resp: 164764
Ion Ratio Lower Upper
112 100
114 31.1 25.3 37.9

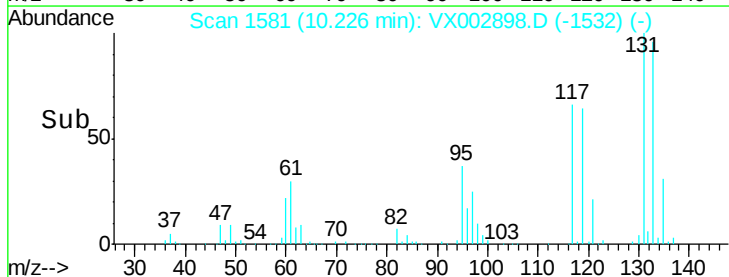
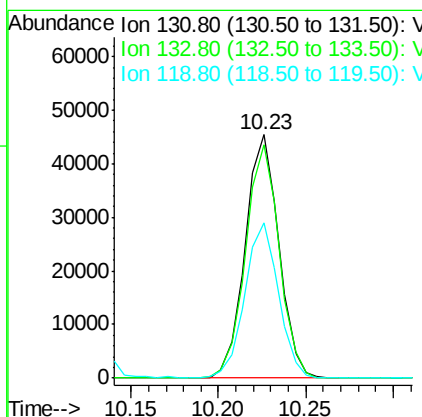
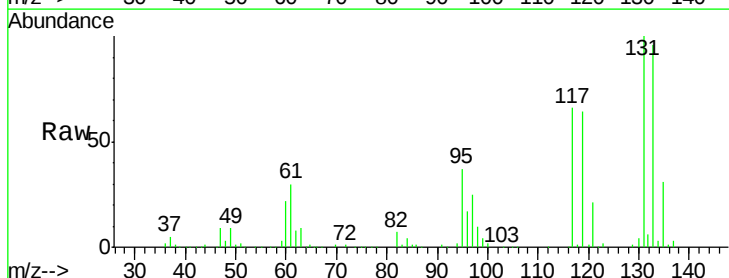
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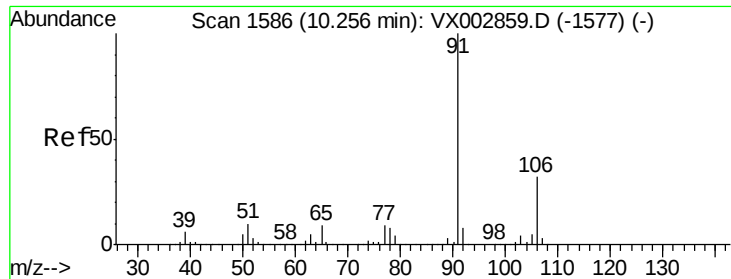
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.97 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tgt Ion:131 Resp: 60592
Ion Ratio Lower Upper
131 100
133 96.1 47.9 143.6
119 63.9 31.8 95.3





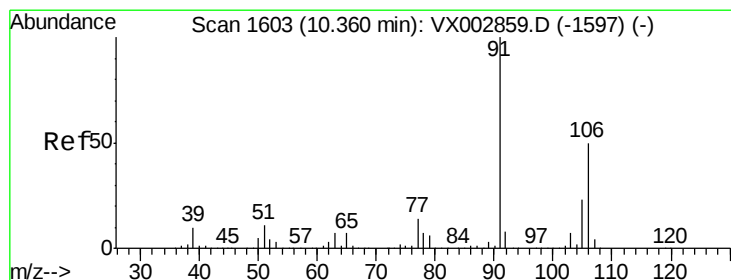
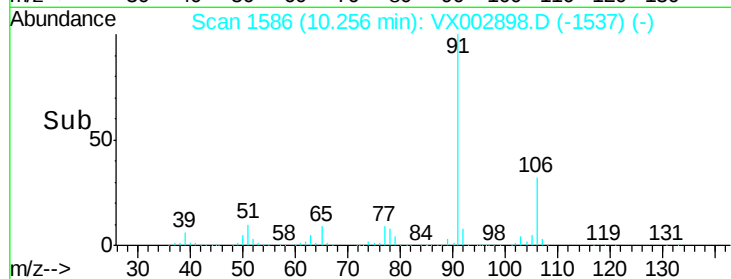
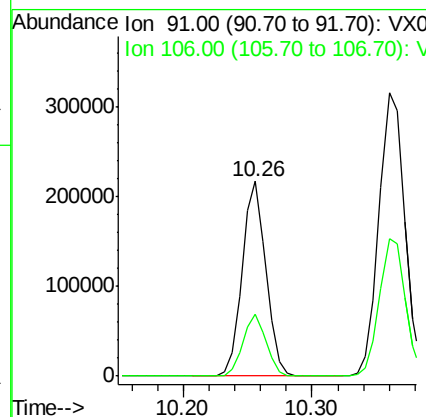
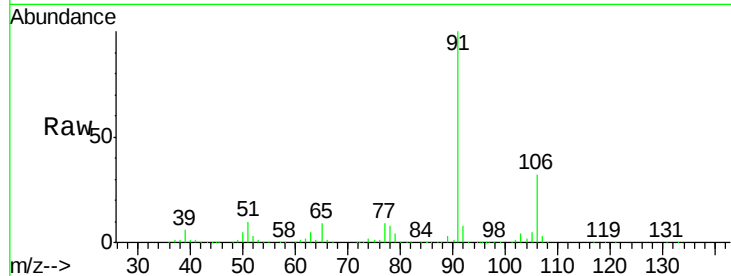
#67
Ethyl Benzene
Concen: 19.08 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Instrument :
MSVOA_X
ClientSampled :
VX0626WBSD01

Tot Ion: 91 Resp: 277195
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3

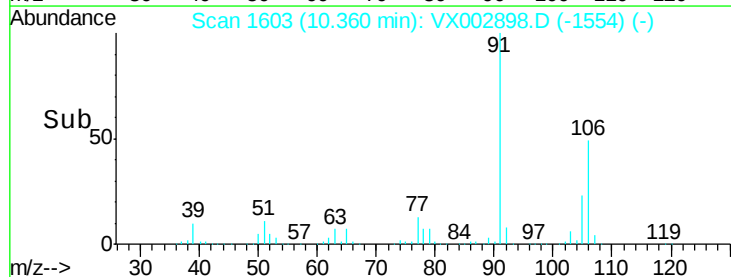
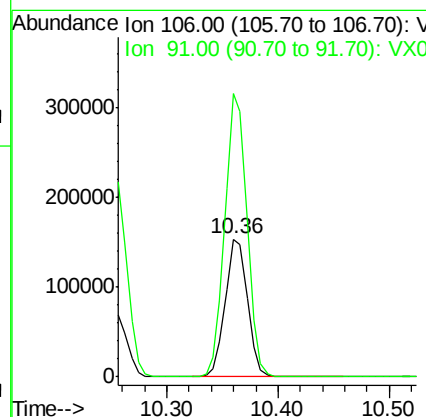
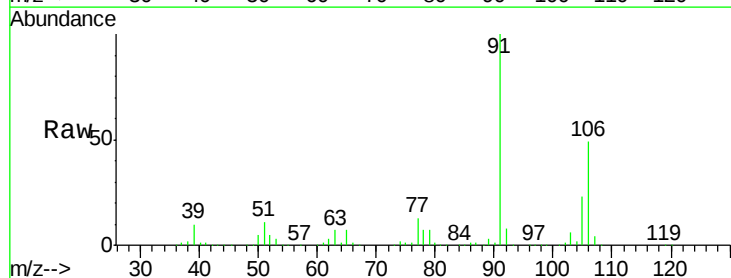
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#68
m/p-Xylenes
Concen: 37.96 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tgt Ion: 106 Resp: 212493
Ion Ratio Lower Upper
106 100
91 204.9 163.4 245.2





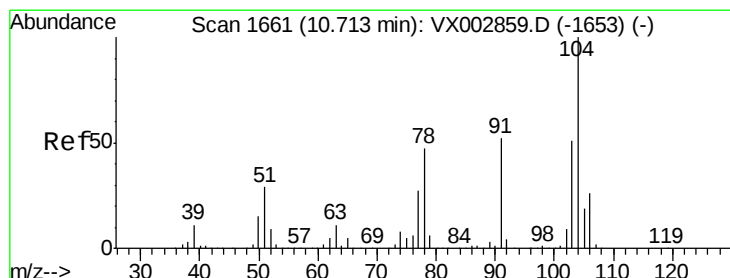
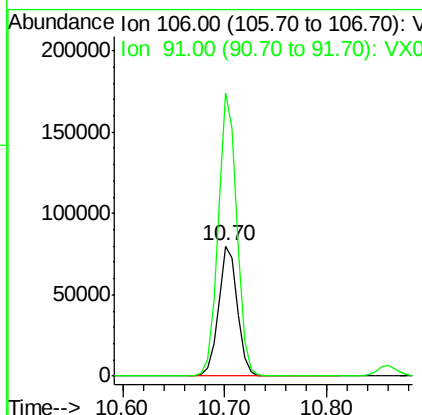
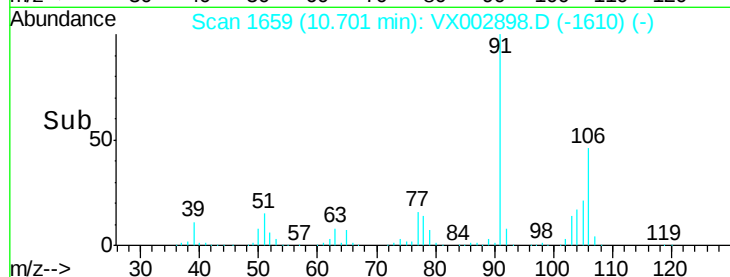
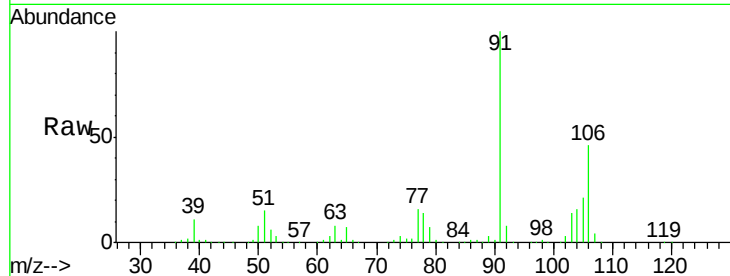
#69
o-Xylene
Concen: 19.00 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0626WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.2	108.2	324.6

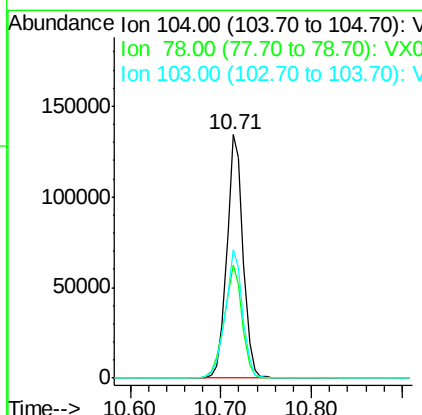
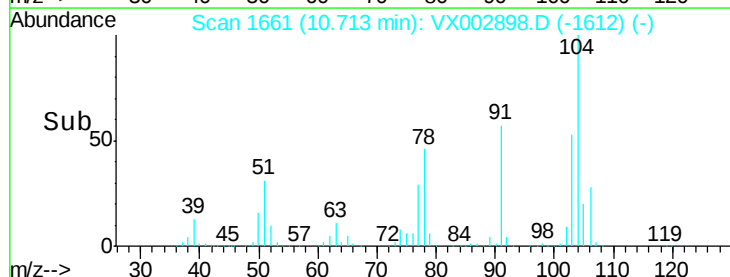
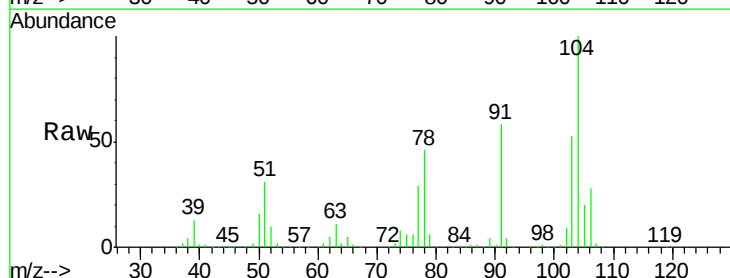
Manual Integrations
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#70
Styrene
Concen: 19.18 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.9	41.0	61.6
103	55.9	44.2	66.4





#71

Bromoform

Concen: 19.04 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0626WBSD01

Tot Ion:173 Resp: 47369

Ion Ratio Lower Upper

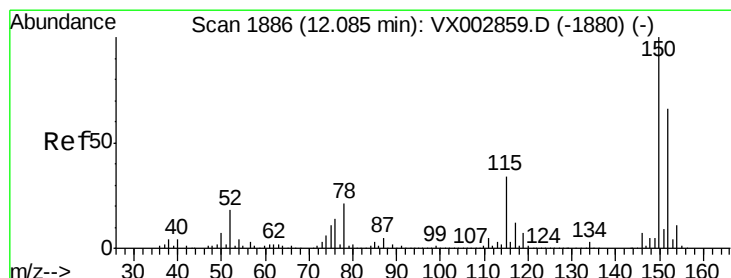
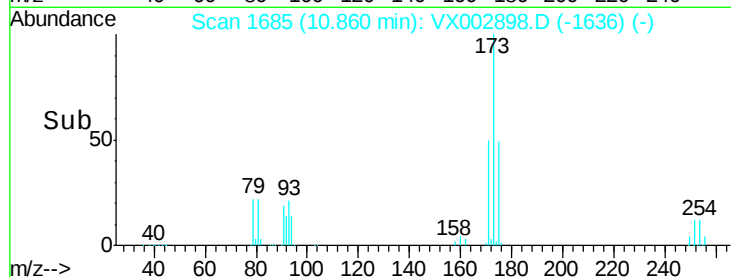
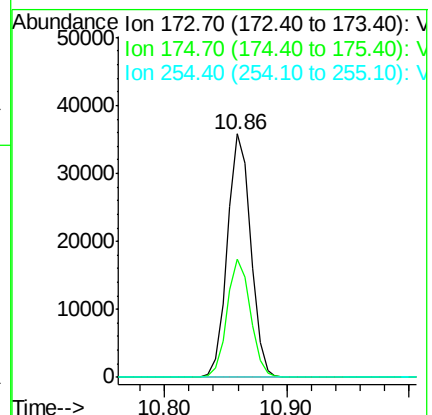
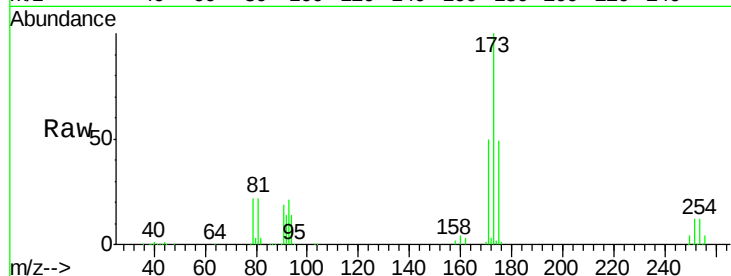
173 100

175 48.7 24.7 74.1

254 0.2 0.2 0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

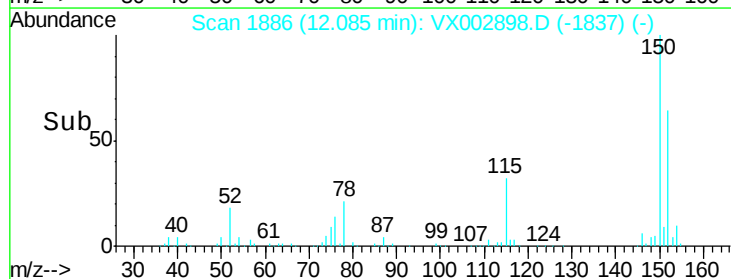
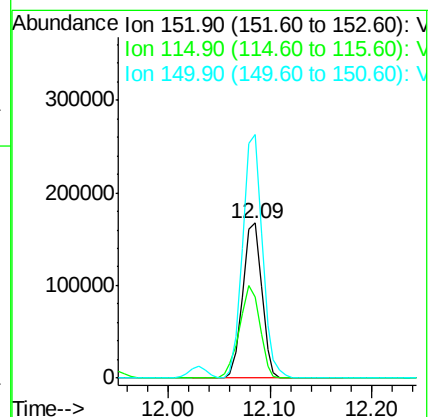
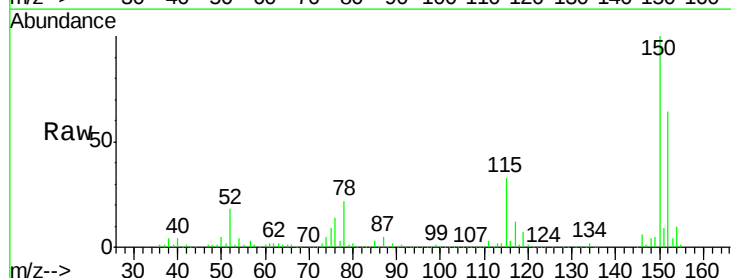
Tgt Ion:152 Resp: 213736

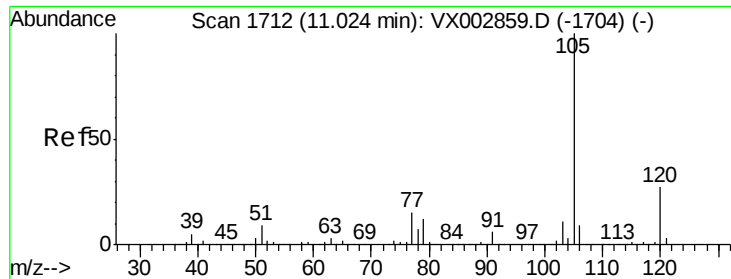
Ion Ratio Lower Upper

152 100

115 64.8 40.1 120.2

150 163.8 0.0 347.2





#73

Isopropylbenzene

Concen: 19.92 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0626WBSD01

Tot Ion:105 Resp: 286386

Ion Ratio Lower Upper

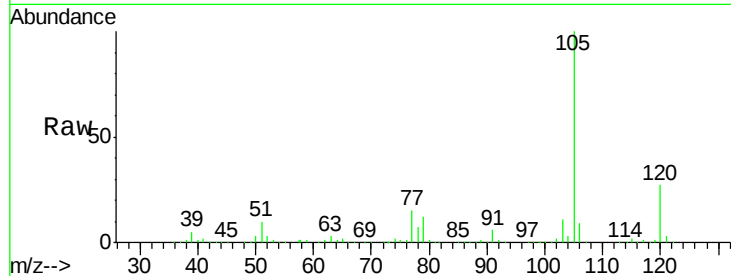
105 100

120 26.8 13.5 40.4

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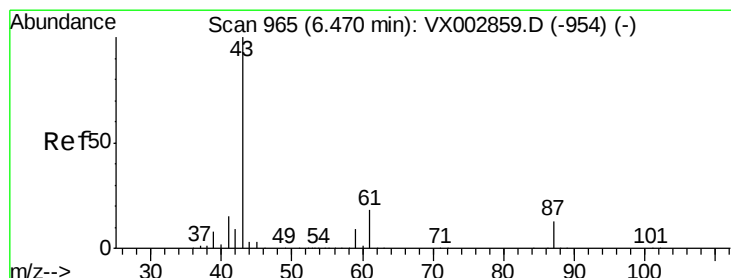
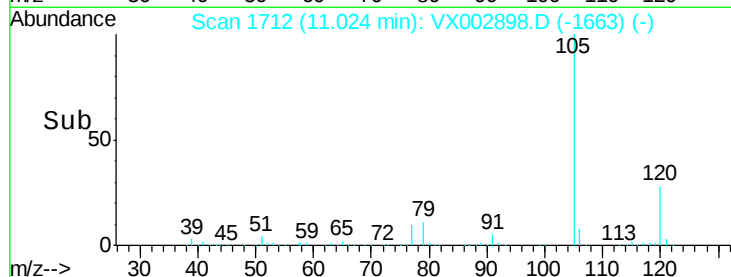
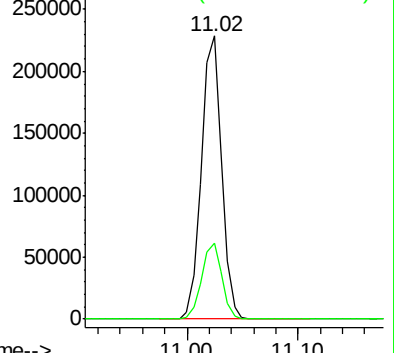
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.31 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Tgt Ion: 43 Resp: 135882

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.0 0.0 0.0

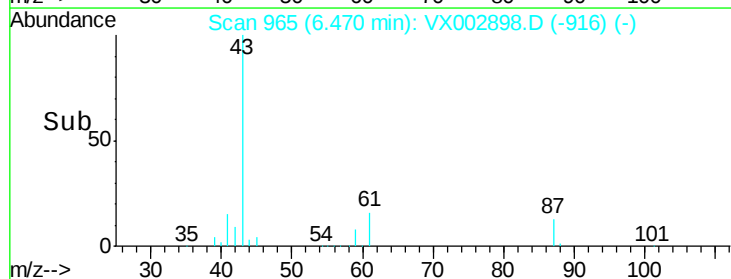
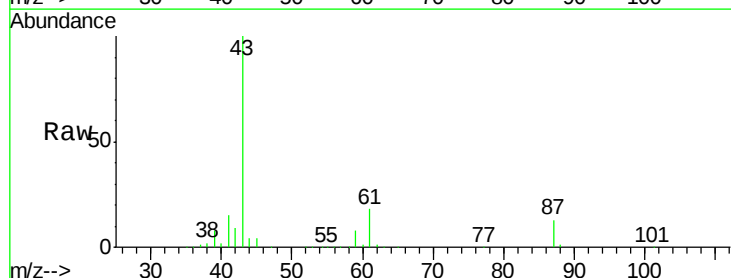
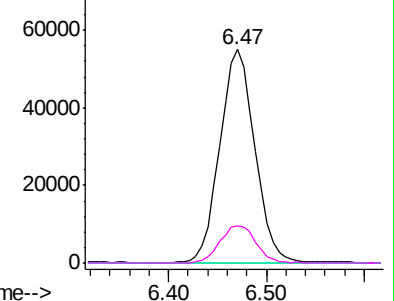
61 18.1 14.4 21.6

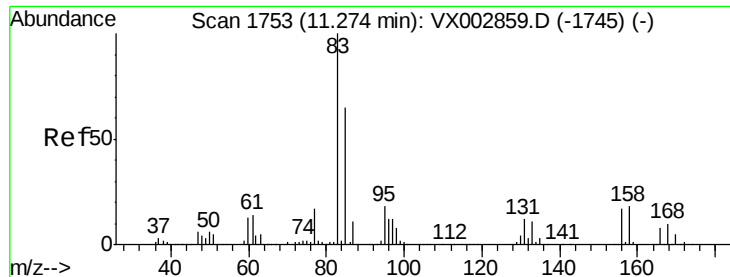
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 19.99 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

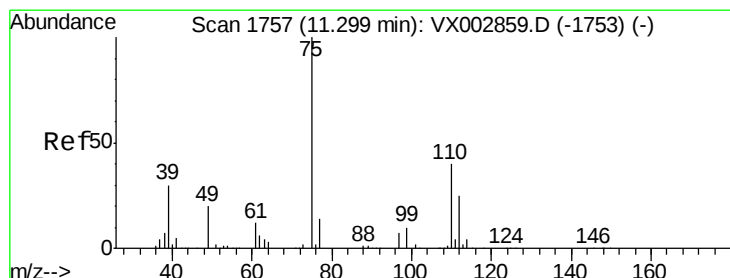
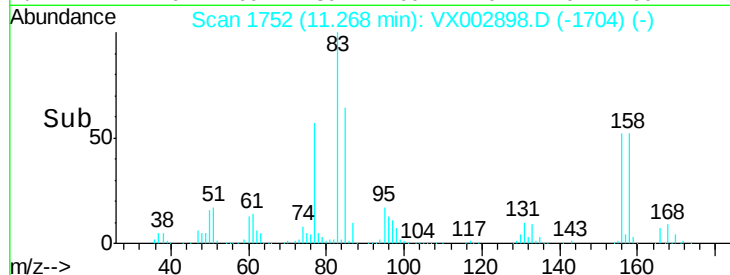
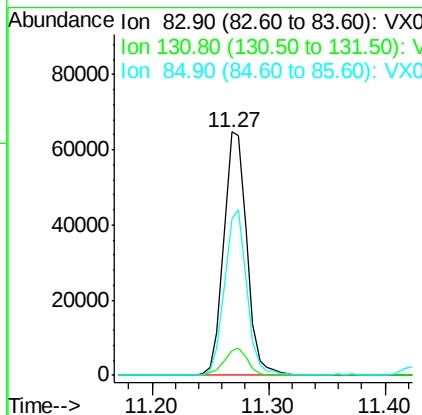
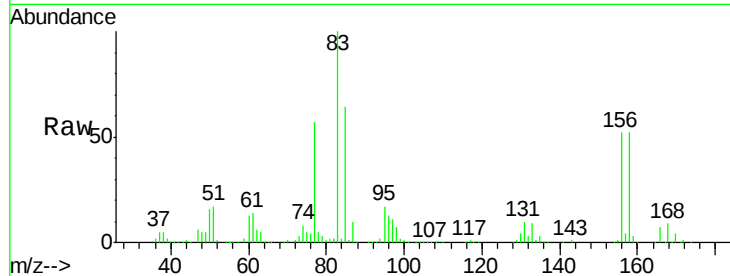
ClientSampleId :

VX0626WBSD01

Tot Ion:	83	Resp:	88553
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.6	16.8
85	65.9	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 22.52 ug/l m

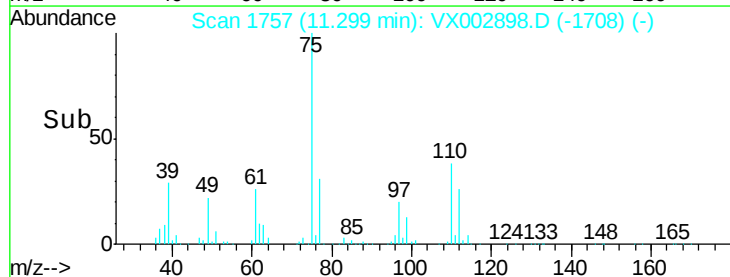
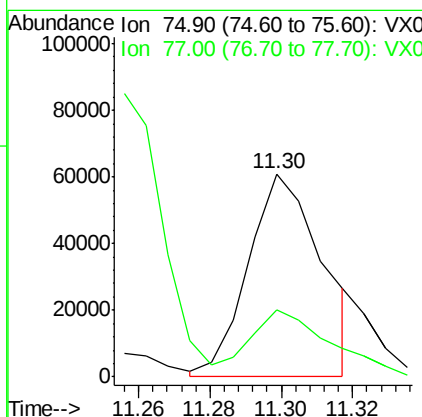
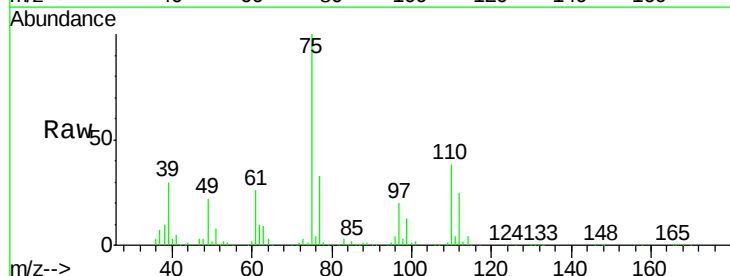
RT: 11.30 min Scan# 1757

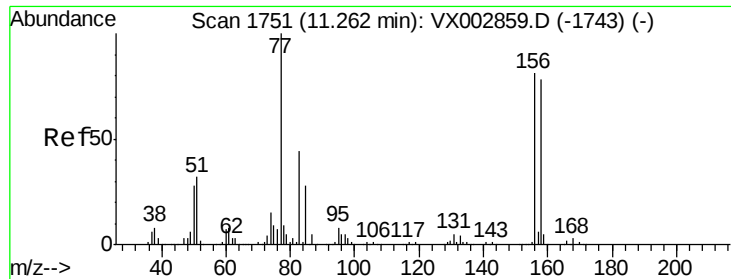
Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Tgt Ion:	75	Resp:	87169
Ion	Ratio	Lower	Upper
75	100		
77	36.2	22.8	68.3





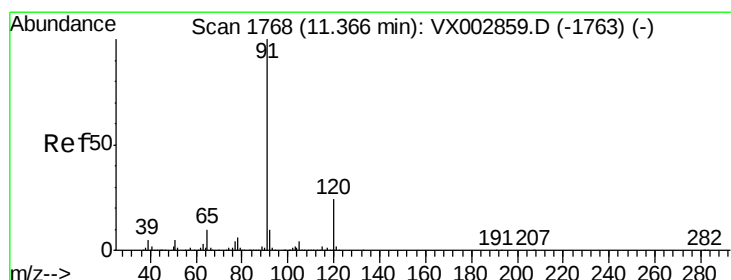
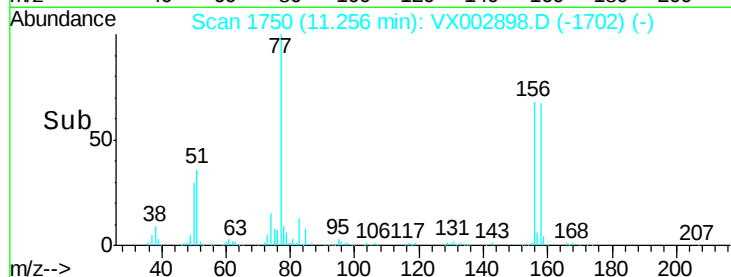
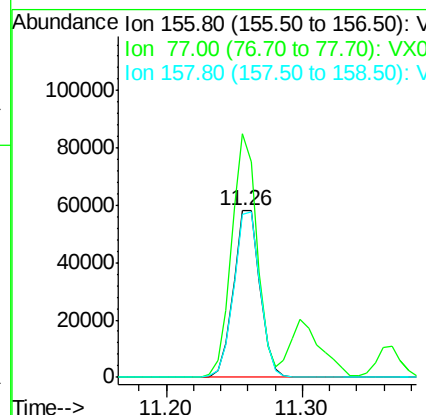
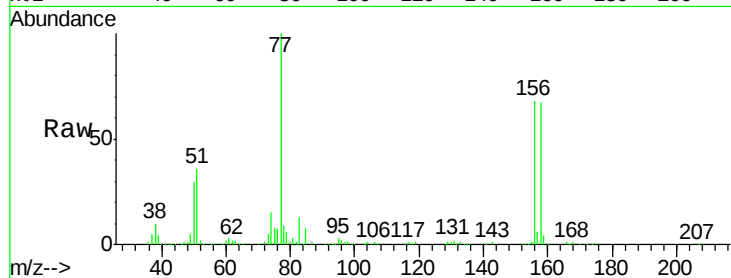
#77
Bromobenzene
Concen: 19.09 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0626WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	141.3	71.4	214.2
158	98.5	48.9	146.6

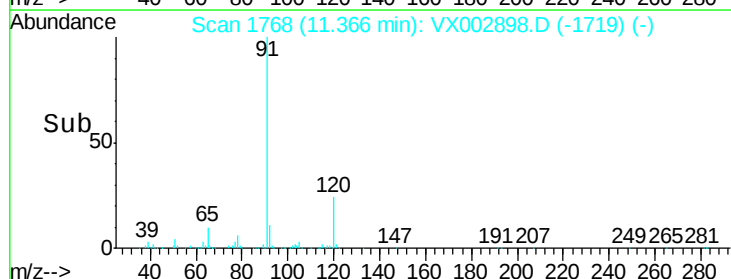
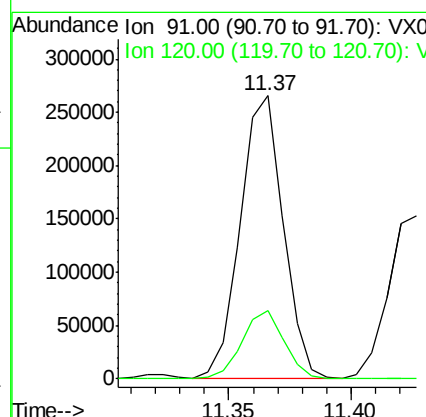
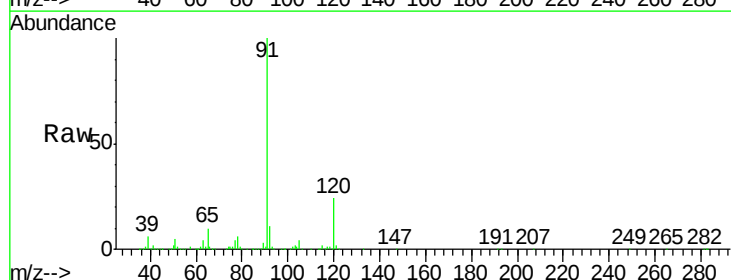
Manual Integrations
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#78
n-propylbenzene
Concen: 19.74 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.8	35.4





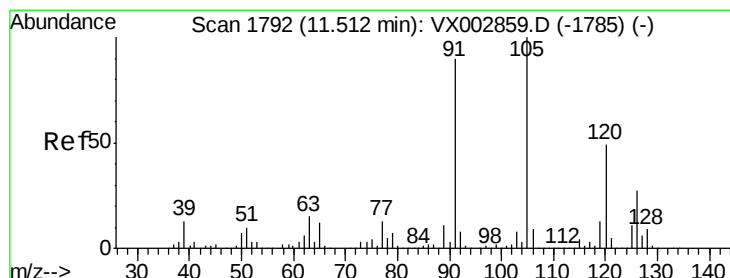
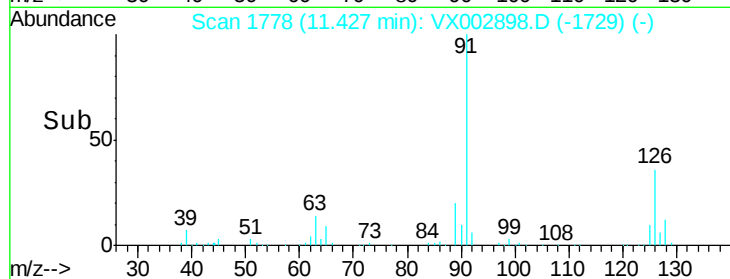
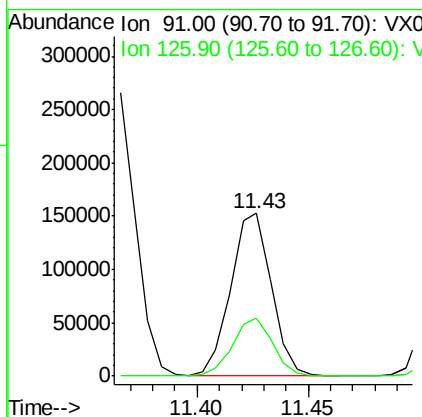
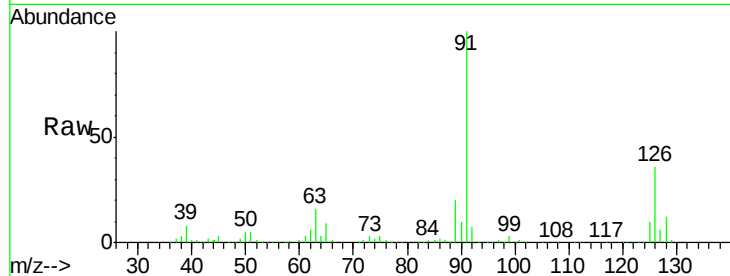
#79
2-Chlorotoluene
Concen: 19.47 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0626WBSD01

Tot Ion: 91 Resp: 192954
Ion Ratio Lower Upper
91 100
126 35.4 17.7 53.1

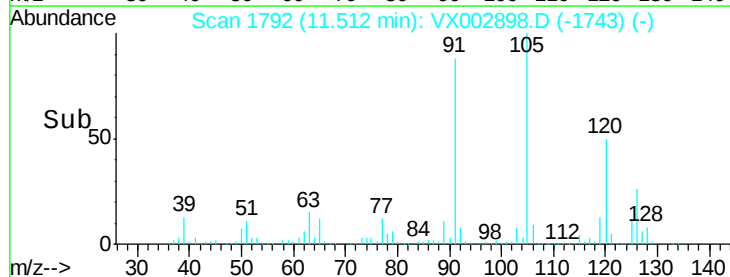
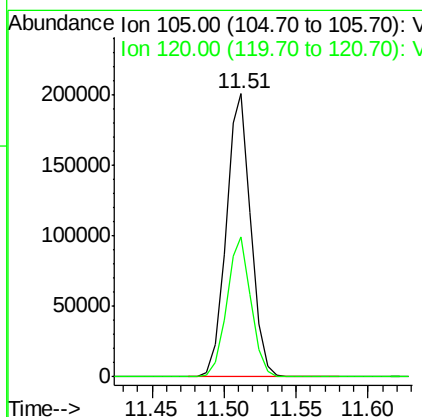
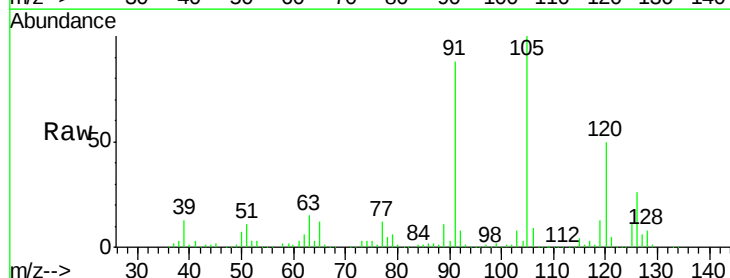
Manual Integrations
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#80
1,3,5-Trimethylbenzene
Concen: 19.84 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tgt Ion: 105 Resp: 240281
Ion Ratio Lower Upper
105 100
120 48.9 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.47 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

VX0626WBSD01

Tot Ion: 75 Resp: 20186

Ion Ratio Lower Upper

75 100

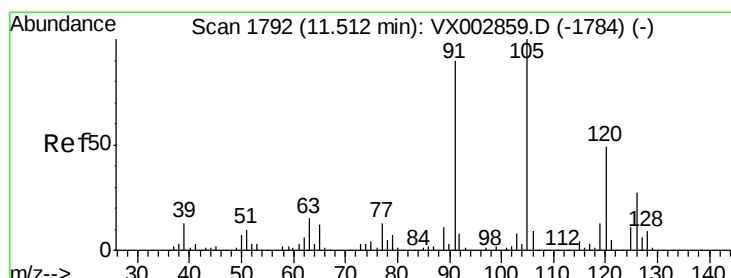
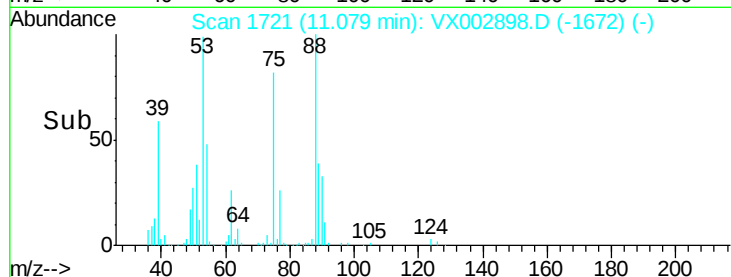
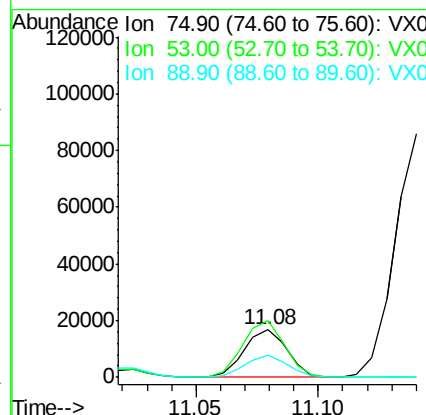
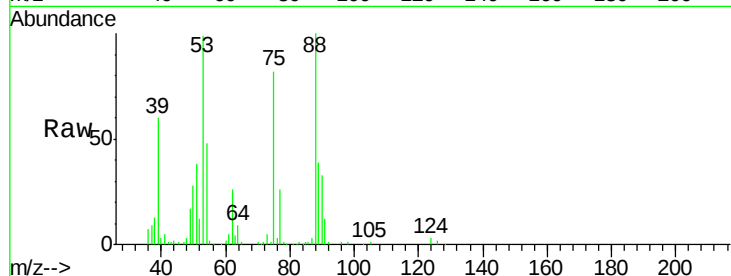
53 122.2 86.8 130.2

89 48.3 38.2 57.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.29 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002898.D

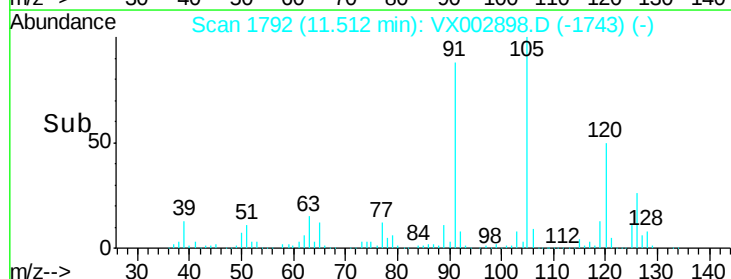
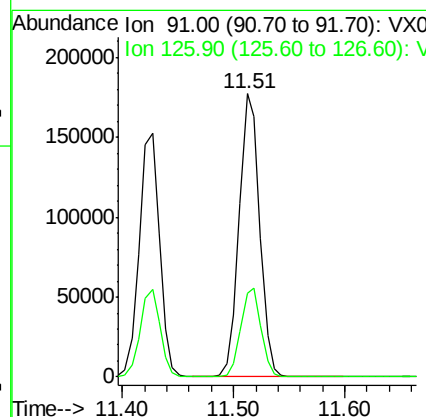
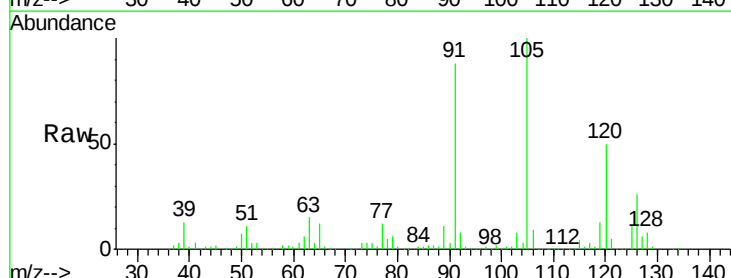
Acq: 26 Jun 2018 15:42

Tgt Ion: 91 Resp: 226310

Ion Ratio Lower Upper

91 100

126 31.2 15.4 46.4





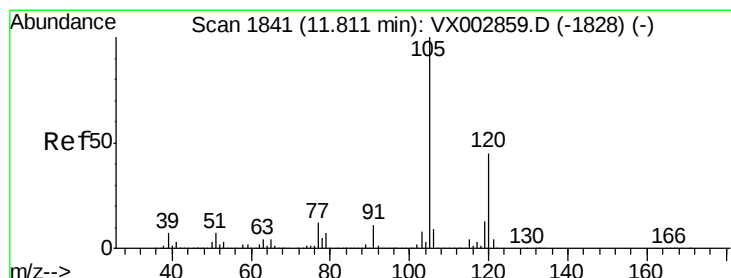
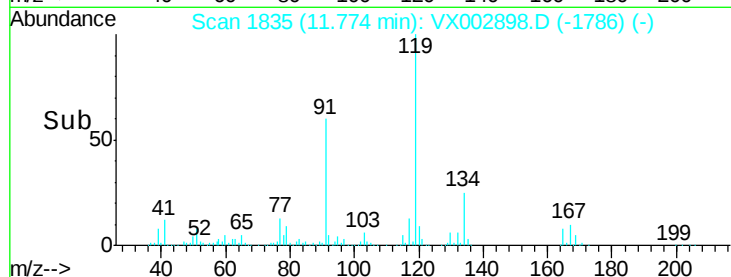
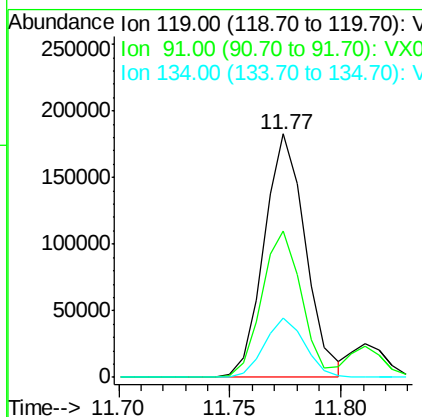
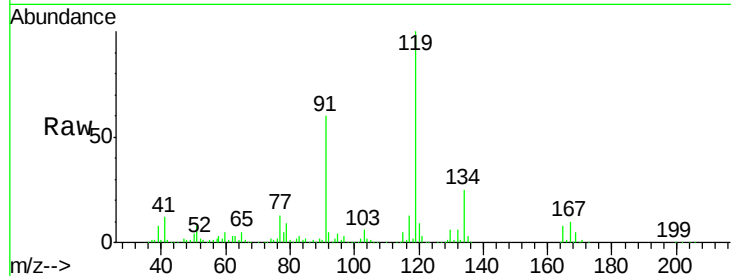
#83
tert-Butylbenzene
Concen: 19.72 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0626WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	235361		
91	58.6	30.3	90.9	
134	23.9	11.7	35.1	

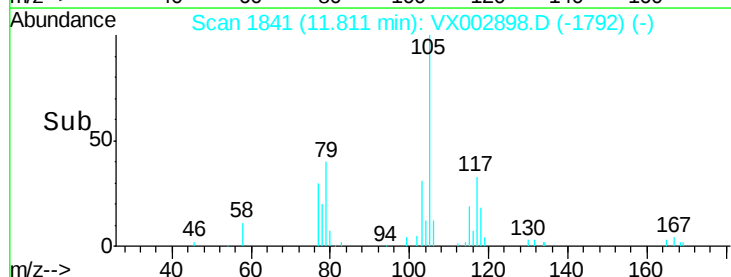
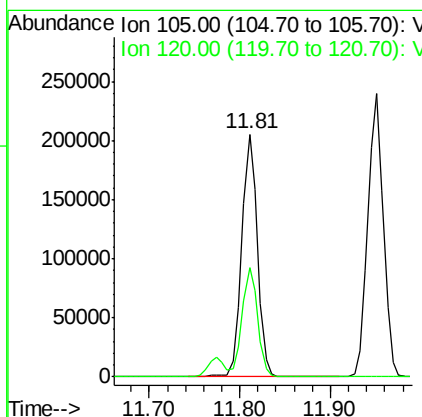
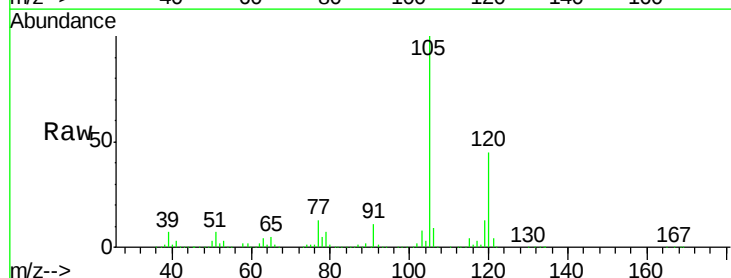
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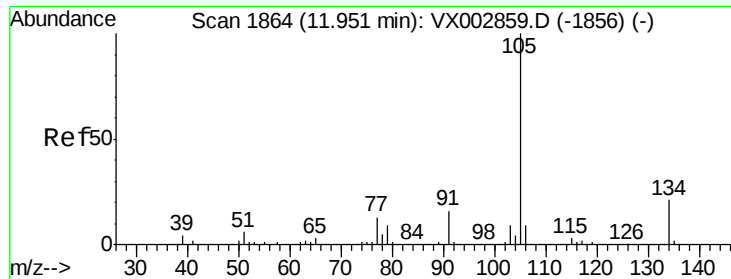
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#84
1,2,4-Trimethylbenzene
Concen: 19.53 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	245055		
120	44.9	22.3	66.8	





#85

sec-Butylbenzene

Concen: 19.75 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

ClientSampleID :

VX0626WBSD01

Tot Ion:105 Resp: 285921

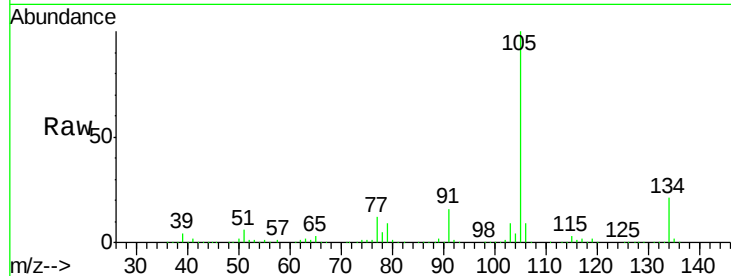
Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.1

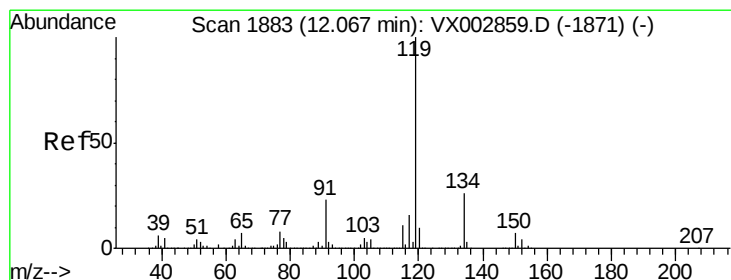
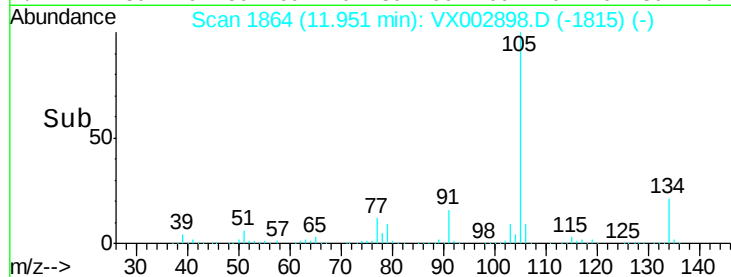
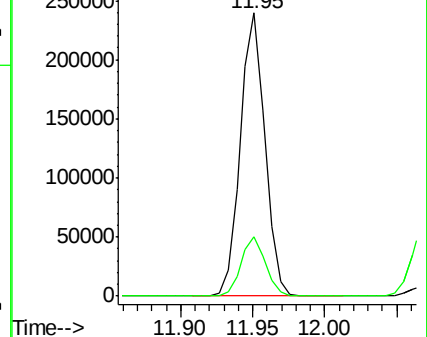
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.97 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

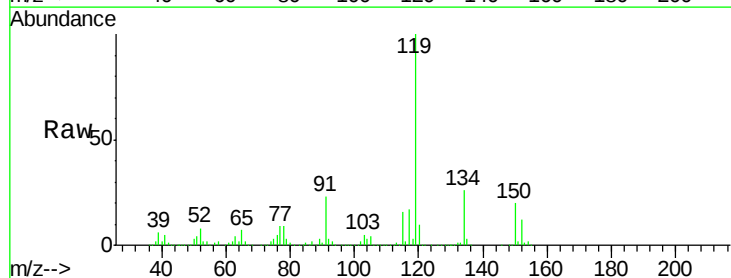
Tgt Ion:119 Resp: 260000

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

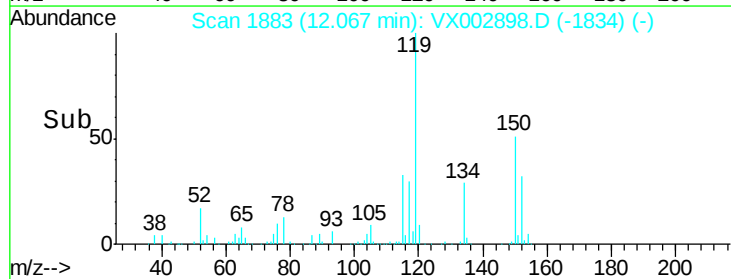
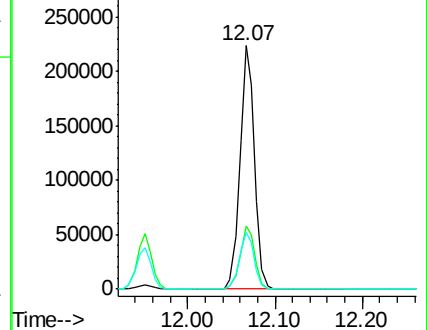
91 23.5 11.9 35.7

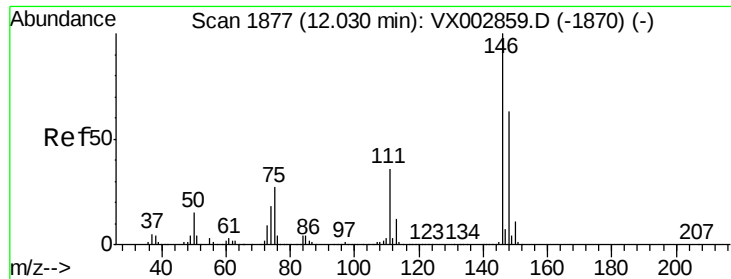


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.22 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

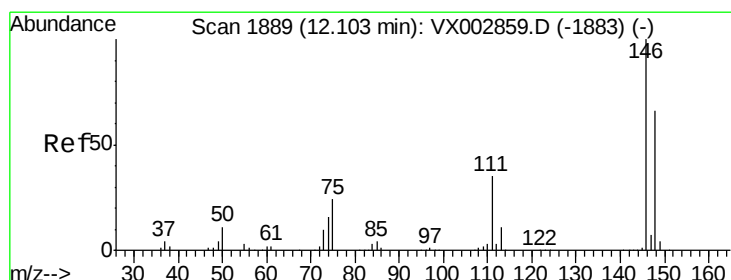
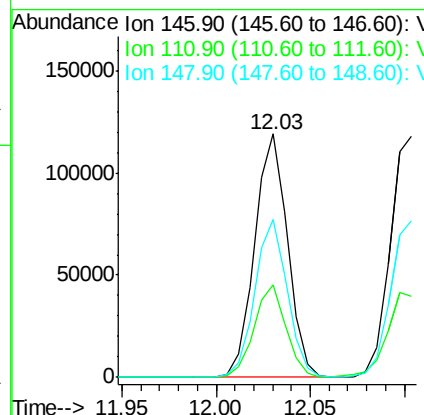
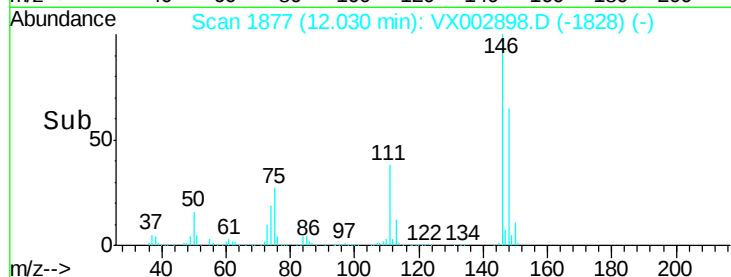
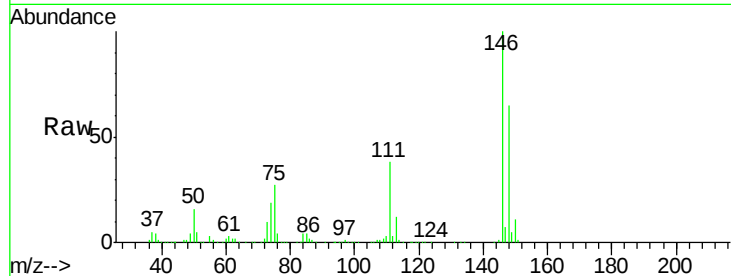
ClientSampleId :

VX0626WBSD01

Tot Ion:	146	Resp:	143751
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.9	56.7
148	63.8	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 18.92 ug/l

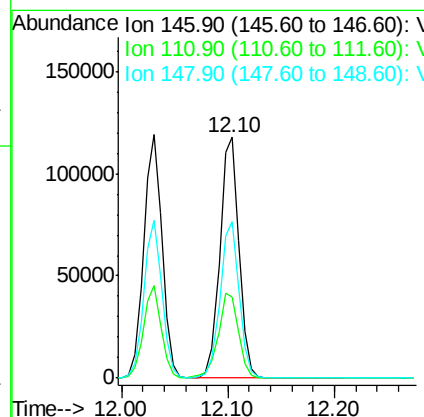
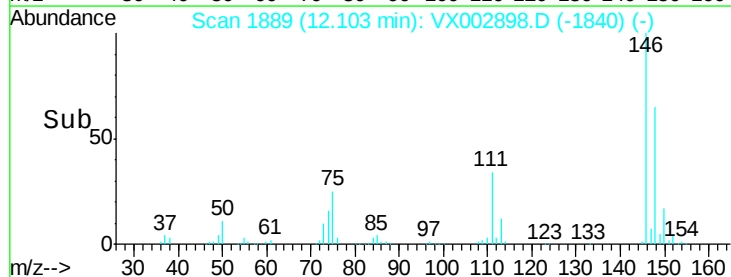
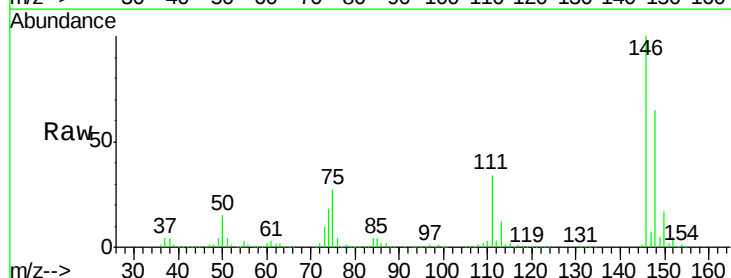
RT: 12.10 min Scan# 1889

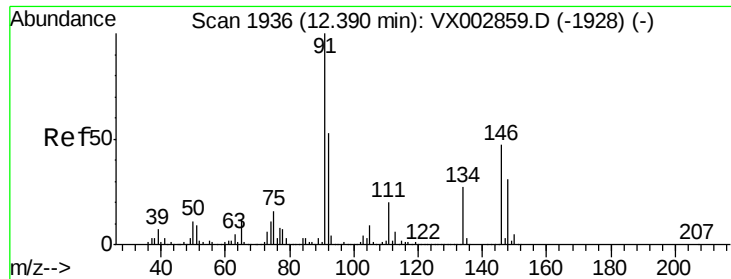
Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Tgt Ion:	146	Resp:	145610
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.7	56.1
148	64.8	32.4	97.0





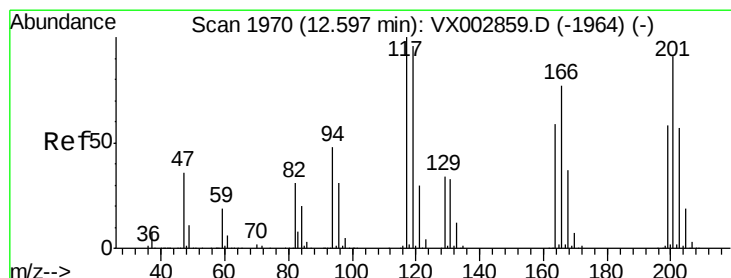
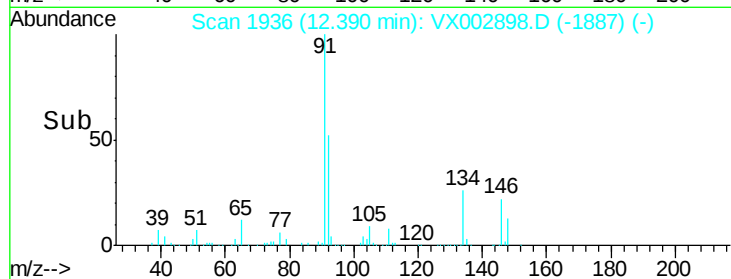
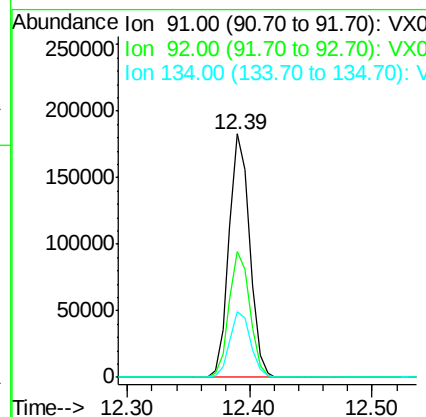
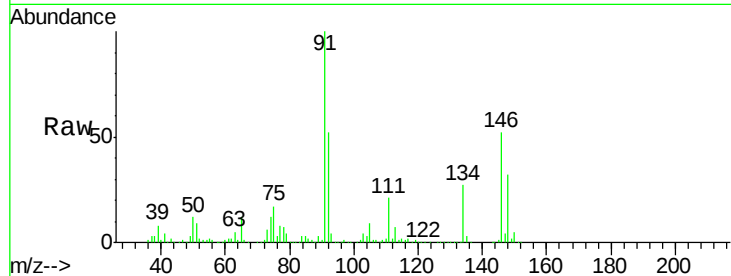
#89
n-Butylbenzene
Concen: 18.90 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Instrument :
MSVOA_X
ClientSampleId :
VX0626WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.0	78.0
134	27.0	13.5	40.5

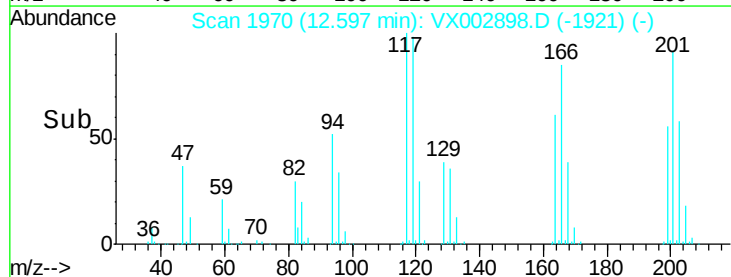
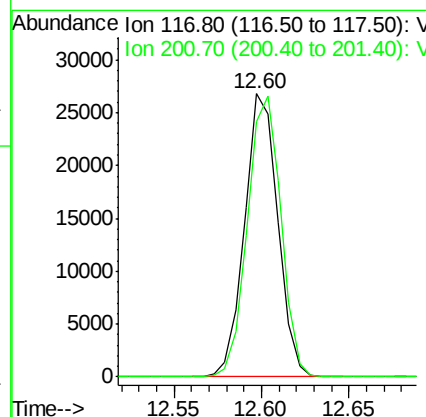
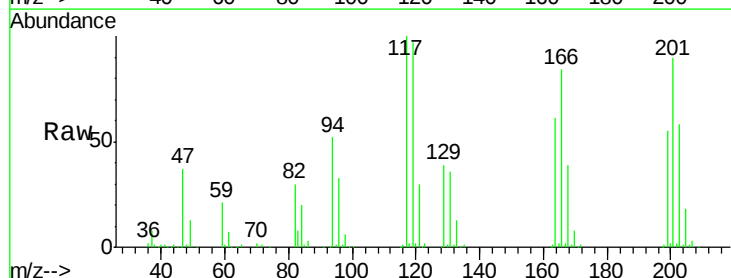
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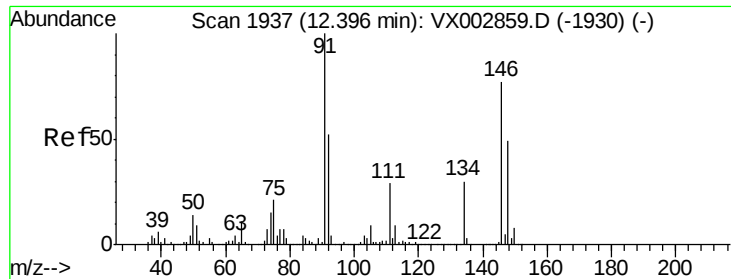
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#90
Hexachloroethane
Concen: 18.25 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX002898.D
Acq: 26 Jun 2018 15:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.8	49.0	147.0





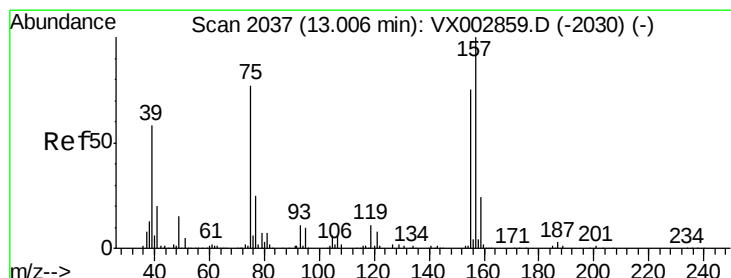
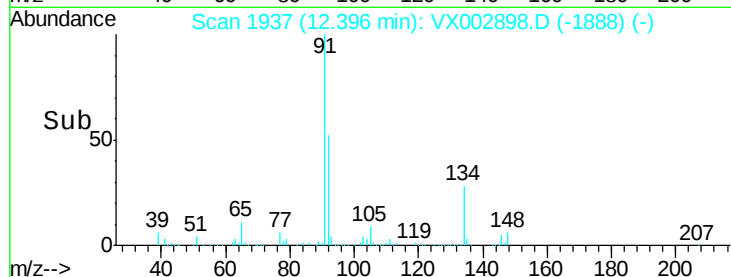
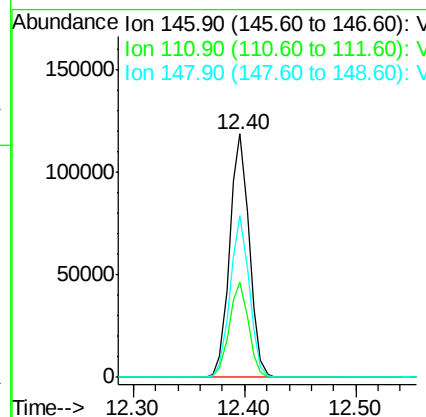
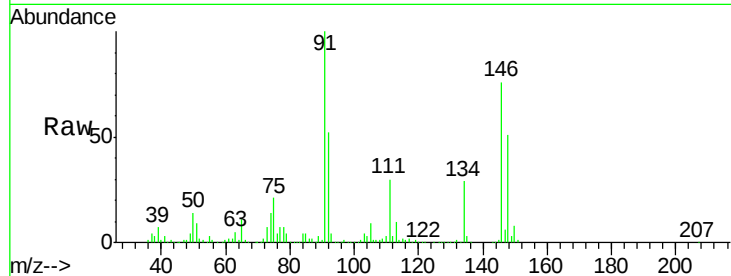
#91
 1,2-Dichlorobenzene
 Concen: 19.09 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002898.D
 Acq: 26 Jun 2018 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0626WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	65.0	31.7	95.1

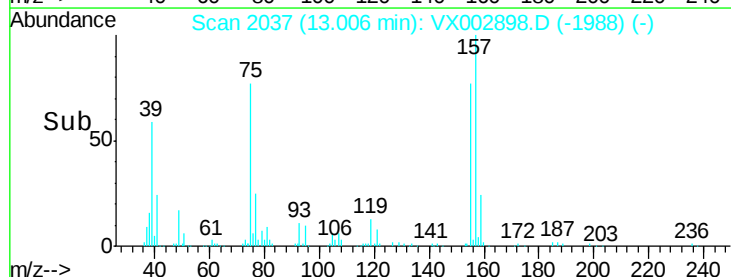
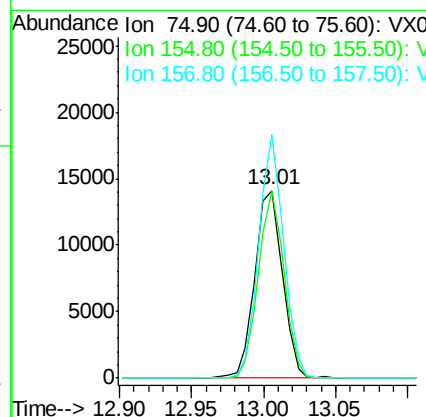
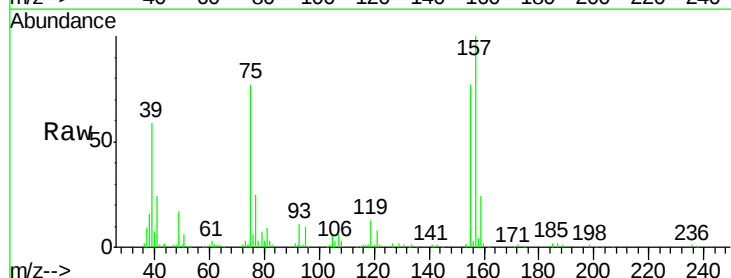
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.63 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002898.D
 Acq: 26 Jun 2018 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	45.8	137.4
157	117.1	60.1	180.3





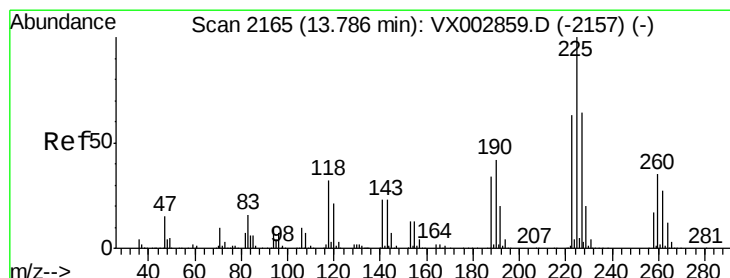
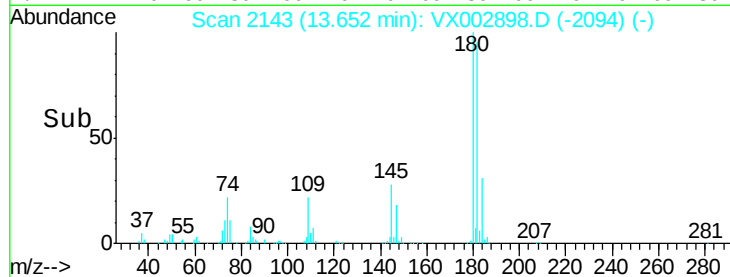
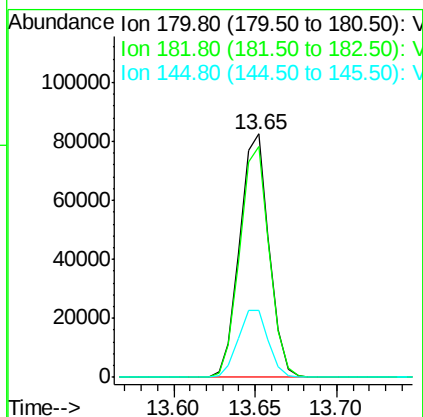
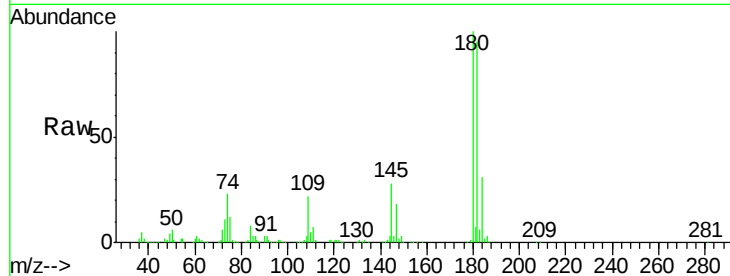
#93
 1,2,4-Trichlorobenzene
 Concen: 18.82 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002898.D
 Acq: 26 Jun 2018 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0626WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	103410		
182	95.5	47.7	143.1	
145	28.6	14.1	42.4	

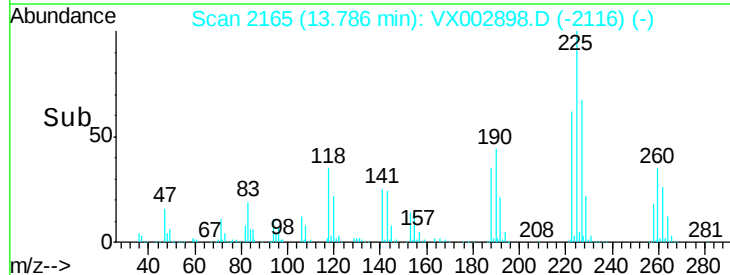
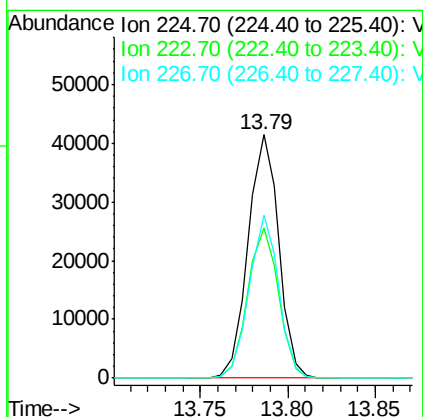
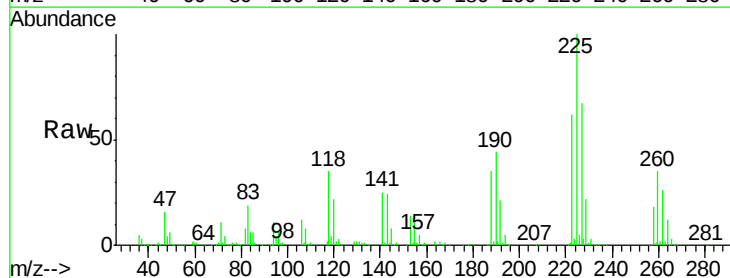
Manual Integrations
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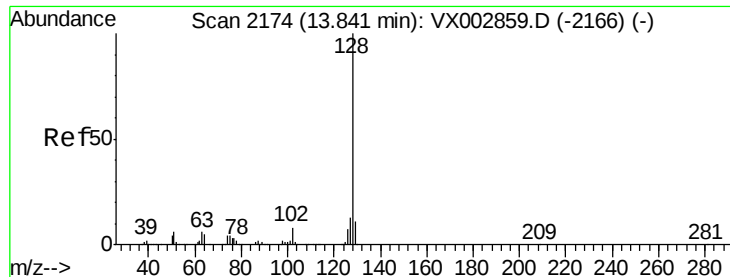
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#94
 Hexachlorobutadiene
 Concen: 18.35 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002898.D
 Acq: 26 Jun 2018 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50280		
223	62.4	31.6	95.0	
227	64.7	32.4	97.2	





#95

Naphthalene

Concen: 19.73 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Instrument :

MSVOA_X

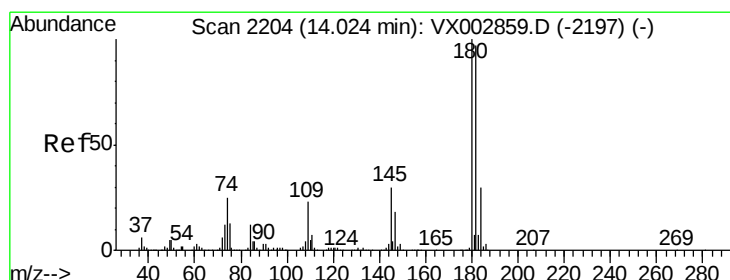
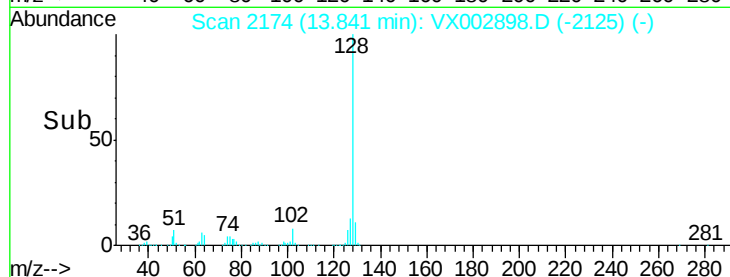
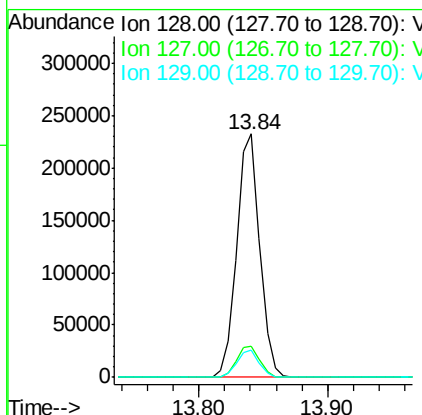
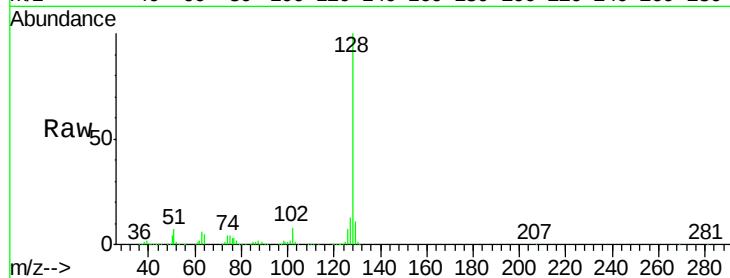
ClientSampleId :

VX0626WBSD01

Tot Ion:	128	Resp:	288632
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/28/2018 3:12:07 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.11 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002898.D

Acq: 26 Jun 2018 15:42

Tgt Ion:	180	Resp:	104882
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.0	144.0
145	30.4	14.8	44.3

