

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042718\
 Data File : VX001164.D
 Acq On : 27 Apr 2018 12:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/30/2018 6:04:36 PM

Quant Time: Apr 27 17:43:11 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	261477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	341078	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	233885	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	173600	42.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.66%	
35) Dibromofluoromethane	5.51	113	140931	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
50) Toluene-d8	8.72	98	537726	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	11.14	95	216412	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	136148	49.65	ug/l	99
3) Chloromethane	1.32	50	130744	45.53	ug/l	99
4) Vinyl Chloride	1.41	62	137286	45.06	ug/l	100
5) Bromomethane	1.64	94	101628	54.75	ug/l	99
6) Chloroethane	1.73	64	84487	44.05	ug/l	97
7) Trichlorofluoromethane	1.93	101	233379	47.43	ug/l	99
8) Diethyl Ether	2.20	74	81739	43.20	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	133524	49.25	ug/l	100
10) Methyl Iodide	2.51	142	124938	45.14	ug/l	99
11) Tert butyl alcohol	3.07	59	141690	177.27	ug/l	99
12) 1,1-Dichloroethene	2.38	96	118383	44.77	ug/l	95
13) Acrolein	2.30	56	50626	167.54	ug/l	97
14) Allyl chloride	2.73	41	218019	45.20	ug/l	97
15) Acrylonitrile	3.15	53	331705	194.34	ug/l	99
16) Acetone	2.45	43	345030	207.00	ug/l	100
17) Carbon Disulfide	2.57	76	313028	46.40	ug/l	100
18) Methyl Acetate	2.78	43	170540	40.89	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	415759	42.71	ug/l	100
20) Methylene Chloride	2.86	84	128280	41.32	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	128468	43.95	ug/l	99
22) Diisopropyl ether	3.88	45	427363	44.28	ug/l	96
23) Vinyl Acetate	3.83	43	1888720	230.68	ug/l	100
24) 1,1-Dichloroethane	3.70	63	232984	45.93	ug/l	99
25) 2-Butanone	4.71	43	492898	197.64	ug/l	99
26) 2,2-Dichloropropane	4.59	77	195992	49.09	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	144013	45.00	ug/l	98
28) Bromochloromethane	5.03	49	119979	52.75	ug/l	99
29) Tetrahydrofuran	5.17	42	307224	191.60	ug/l	99
30) Chloroform	5.23	83	247740	45.93	ug/l	100
31) Cyclohexane	5.58	56	214381	49.75	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	221862	47.65	ug/l	99
36) 1,1-Dichloropropene	5.81	75	188043	50.03	ug/l	99
37) Ethyl Acetate	4.87	43	190245	42.27	ug/l	99
38) Carbon Tetrachloride	5.79	117	202292	52.49	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	232114	55.80	ug/l	97
40) Benzene	6.15	78	537774	49.46	ug/l	97
41) Methacrylonitrile	5.07	41	110838	43.82	ug/l	99
42) 1,2-Dichloroethane	6.21	62	211009	48.16	ug/l	99
43) Isopropyl Acetate	6.47	43	325653	46.07	ug/l	100
44) Trichloroethene	7.22	130	164432	50.76	ug/l	98
45) 1,2-Dichloropropane	7.52	63	140365	49.08	ug/l	98
46) Dibromomethane	7.67	93	96479	48.72	ug/l	99
47) Bromodichloromethane	7.90	83	185340	51.51	ug/l	99
48) Methyl methacrylate	7.79	41	171875	45.74	ug/l	99
49) 1,4-Dioxane	7.76	88	58036	771.48	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1053855	226.96	ug/l	98
52) Toluene	8.79	92	363649	51.15	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	222879	53.29	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	210797	46.65	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	144395	48.00	ug/l	97
56) Ethyl methacrylate	9.19	69	219737	49.30	ug/l	98
57) 1,3-Dichloropropane	9.38	76	234832	48.26	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	488377	231.78	ug/l	99
59) 2-Hexanone	9.50	43	827190	227.36	ug/l	99
60) Dibromochloromethane	9.59	129	161499	46.23	ug/l	99
61) 1,2-Dibromoethane	9.68	107	156963	49.81	ug/l	99
64) Tetrachloroethene	9.34	164	174709	50.00	ug/l	99
65) Chlorobenzene	10.14	112	425158	49.57	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	154997	52.24	ug/l	99
67) Ethyl Benzene	10.26	91	722575	51.86	ug/l	98
68) m/p-Xylenes	10.37	106	578754	105.06	ug/l	99
69) o-Xylene	10.70	106	277522	51.94	ug/l	100
70) Styrene	10.72	104	465392	52.34	ug/l	99
71) Bromoform	10.86	173	133813	43.58	ug/l	100
73) Isopropylbenzene	11.02	105	766131	50.26	ug/l	100
74) N-amyl acetate	6.47	43	325653	42.39	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	222939	44.08	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	215983m	45.35	ug/l	
77) Bromobenzene	11.26	156	215667	47.71	ug/l	98
78) n-propylbenzene	11.37	91	881712	51.87	ug/l	100
79) 2-Chlorotoluene	11.43	91	511932	48.58	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	663250	51.39	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	60914	41.63	ug/l	99
82) 4-Chlorotoluene	11.52	91	625149	49.91	ug/l	100
83) tert-Butylbenzene	11.77	119	646215	50.17	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	673802	50.79	ug/l	99
85) sec-Butylbenzene	11.95	105	795361	52.86	ug/l	100
86) p-Isopropyltoluene	12.07	119	736320	52.61	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	405392	49.95	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	414586	49.03	ug/l	100
89) n-Butylbenzene	12.39	91	657123	54.24	ug/l	100
90) Hexachloroethane	12.60	117	109634	48.64	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	397317	48.44	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	50353	45.11	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	321814	50.05	ug/l	100
94) Hexachlorobutadiene	13.79	225	162293	53.69	ug/l	99
95) Naphthalene	13.84	128	837853	46.76	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	316072	49.39	ug/l	100

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

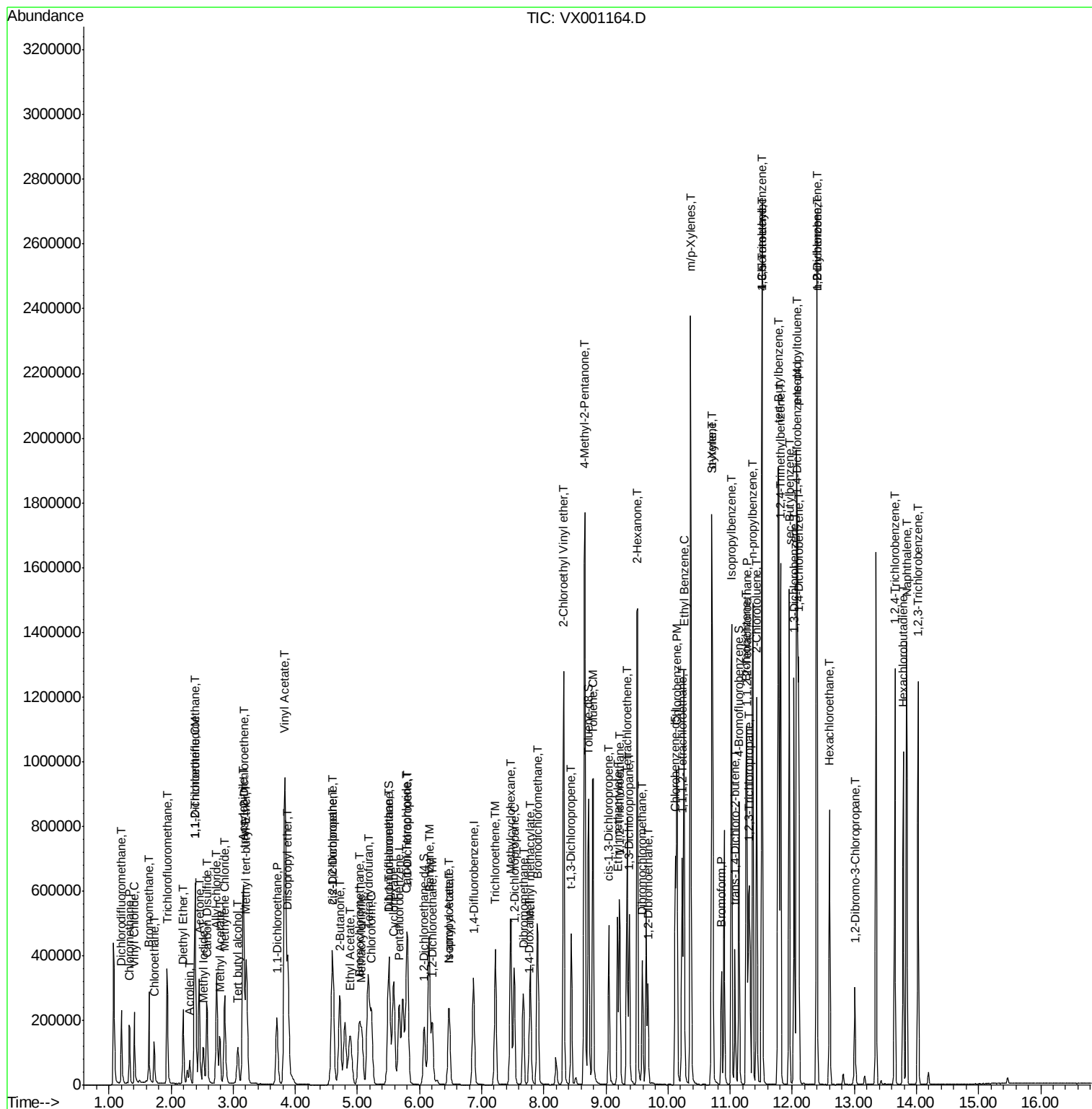
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042718\
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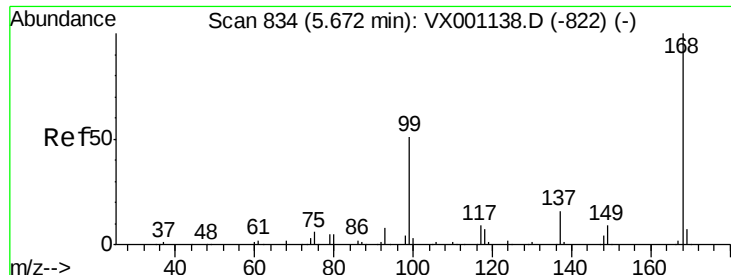
Instrument :
MSVOA_X
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 261477

Ion Ratio Lower Upper

168 100

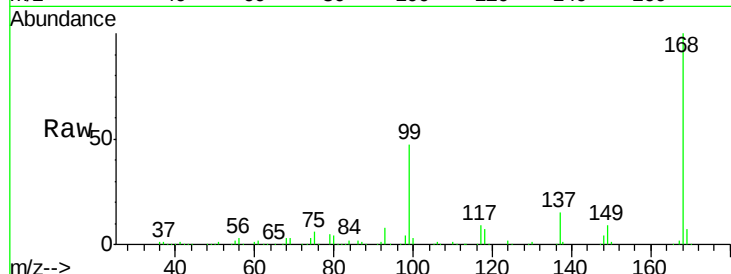
99 47.0 40.6 60.8

Manual Integrations

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4/30/2018 6:04:36 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

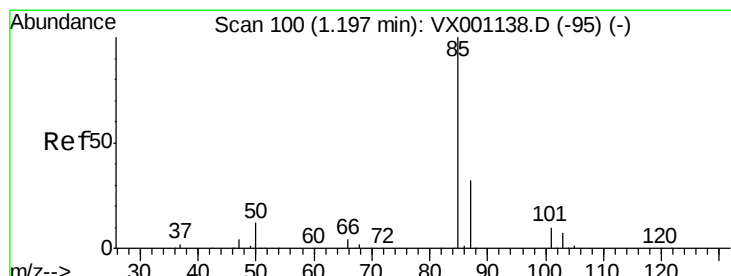
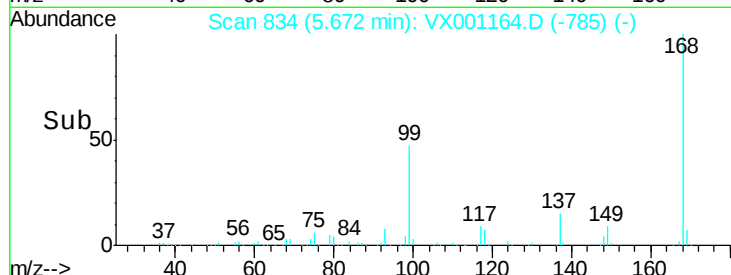
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 49.65 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001164.D

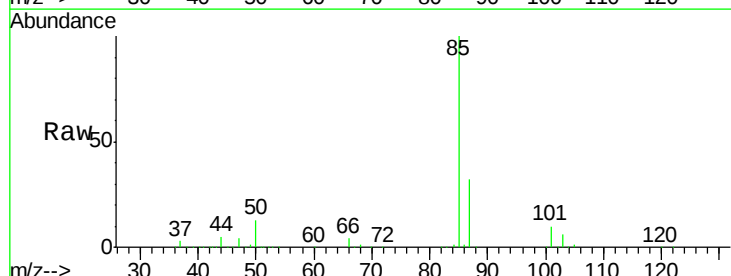
Acq: 27 Apr 2018 12:05

Tgt Ion: 85 Resp: 136148

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

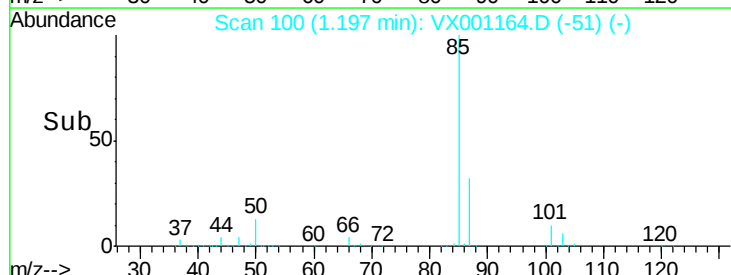
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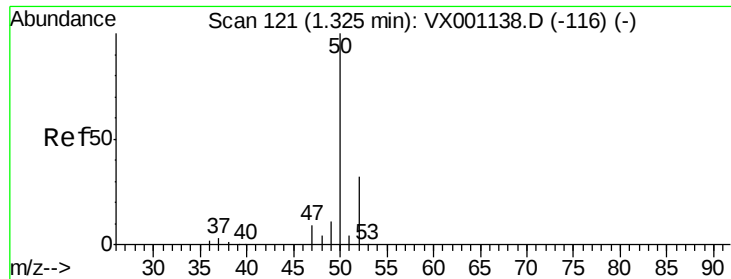
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0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 45.53 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 130744

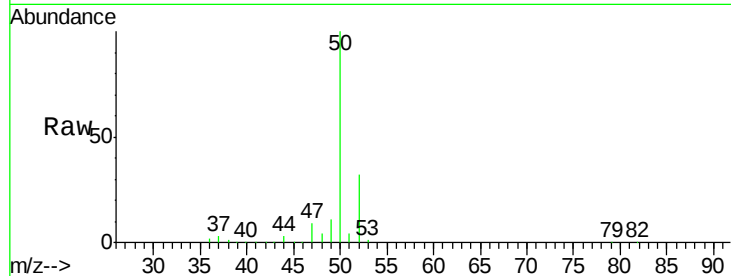
Ion Ratio Lower Upper

50 100

52 32.1 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

120000

100000

80000

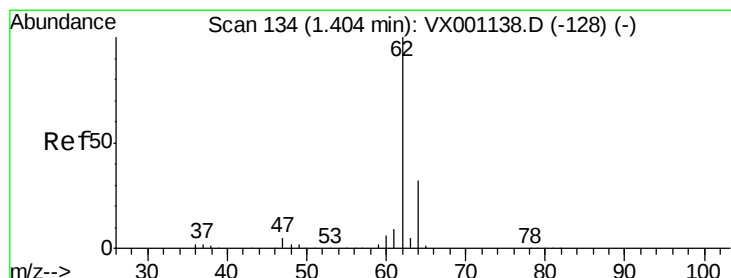
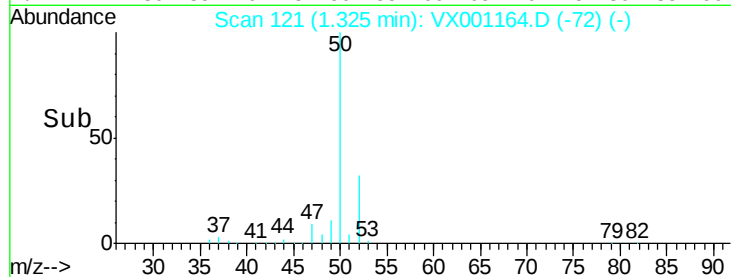
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40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 45.06 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX001164.D

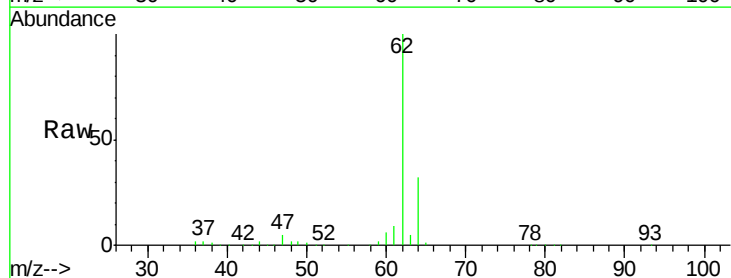
Acq: 27 Apr 2018 12:05

Tgt Ion: 62 Resp: 137286

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

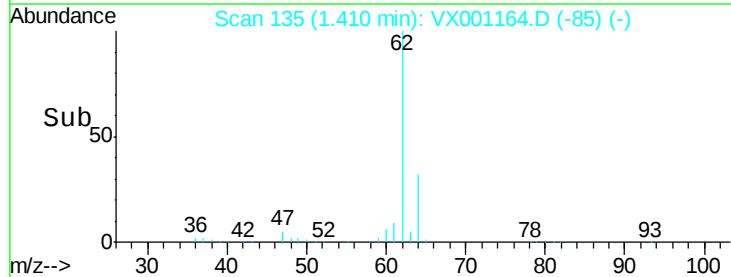
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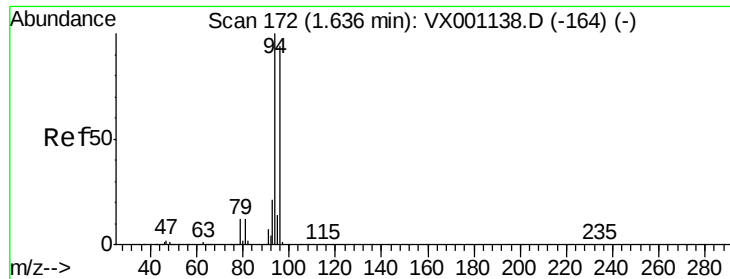
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50000

0

Time-->





#5

Bromomethane

Concen: 54.75 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 101628

Ion Ratio Lower Upper

94 100

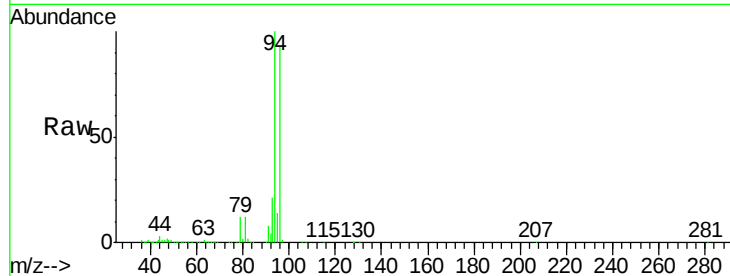
96 93.5 75.3 112.9

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

100000

80000

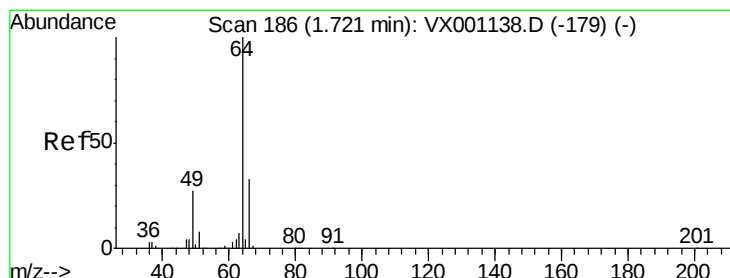
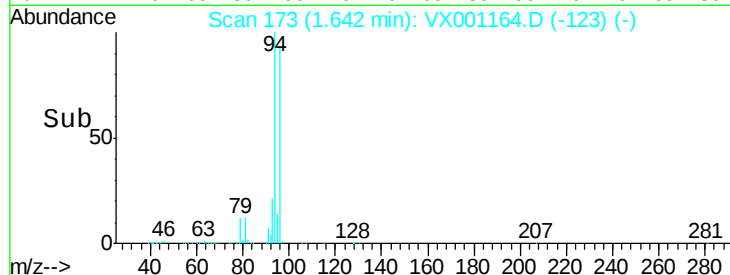
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 44.05 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001164.D

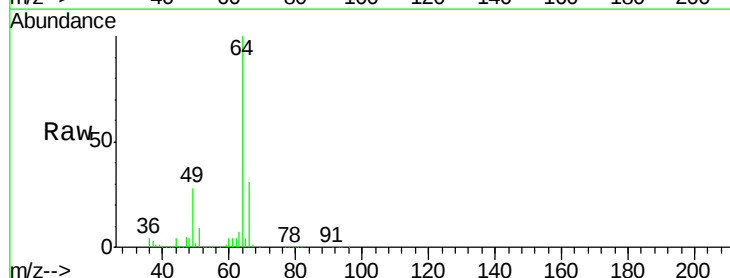
Acq: 27 Apr 2018 12:05

Tgt Ion: 64 Resp: 84487

Ion Ratio Lower Upper

64 100

66 31.0 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

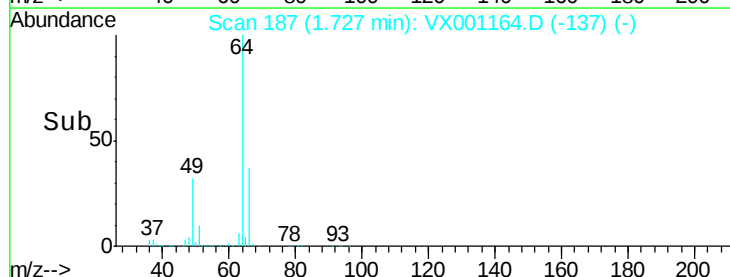
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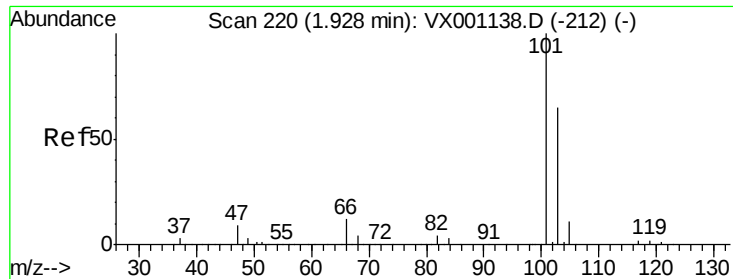
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Time-->





#7

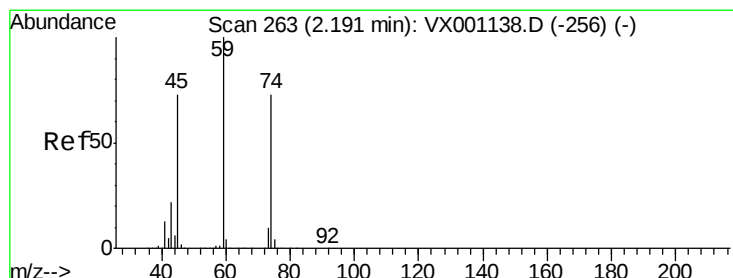
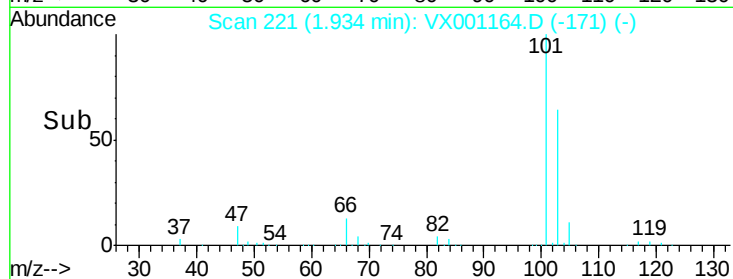
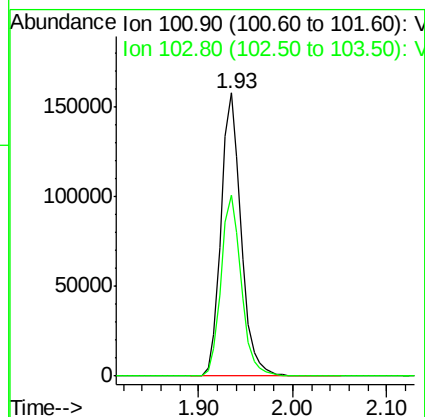
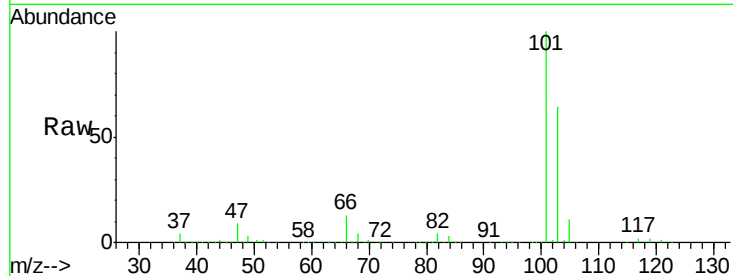
Trichlorofluoromethane
Concen: 47.43 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 233379
Ion Ratio Lower Upper
101 100
103 64.0 51.9 77.9

Manual Integrations
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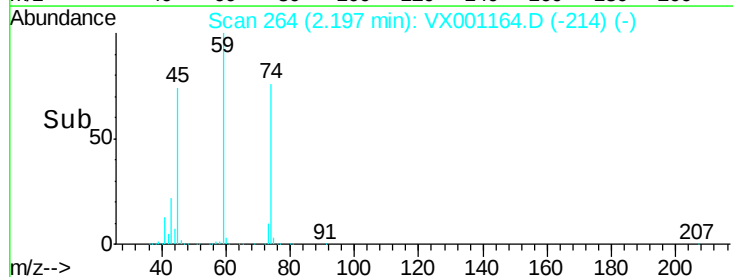
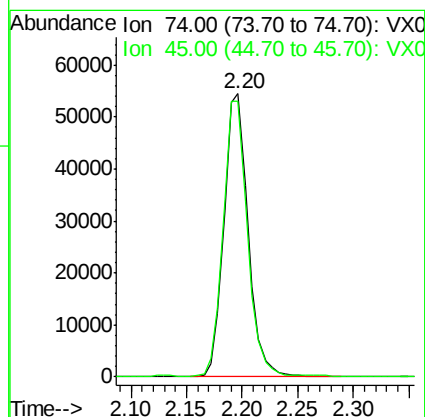
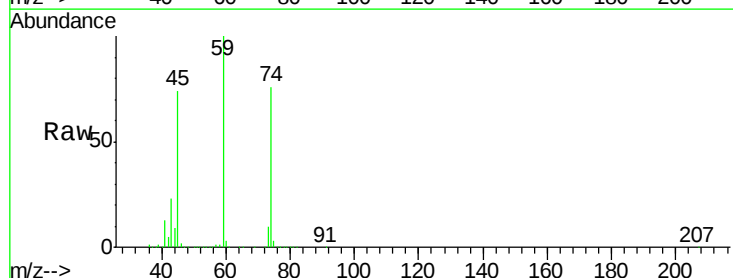
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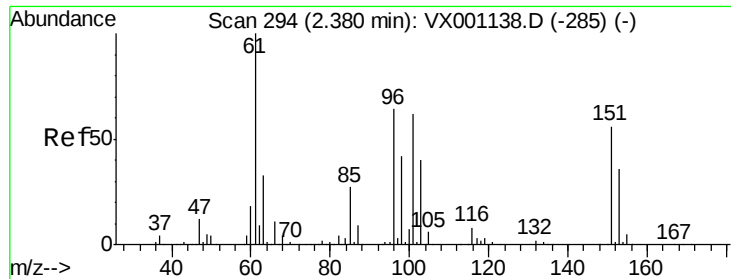


#8

Diethyl Ether
Concen: 43.20 ug/l
RT: 2.20 min Scan# 264
Delta R.T. 0.01 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Tgt Ion: 74 Resp: 81739
Ion Ratio Lower Upper
74 100
45 98.5 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.25 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

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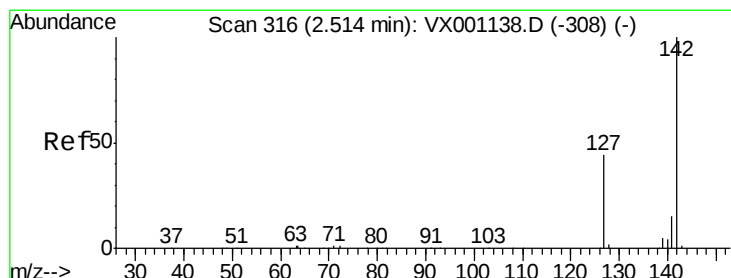
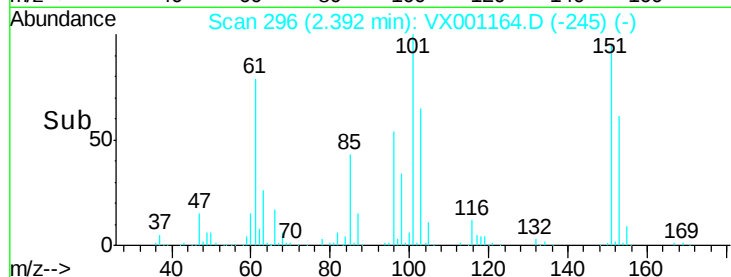
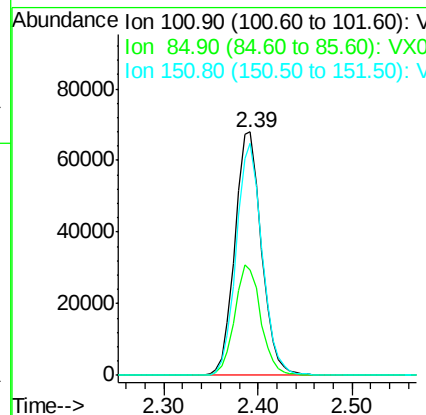
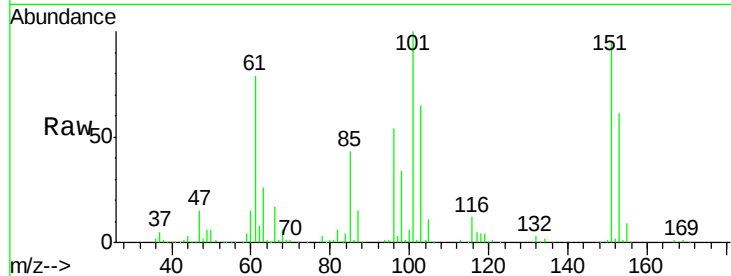
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	133524		
85	44.7	35.4	53.0	
151	92.9	74.2	111.4	

Manual Integrations
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#10

Methyl Iodide

Concen: 45.14 ug/l

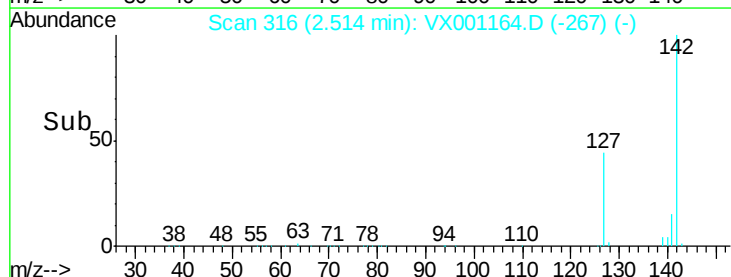
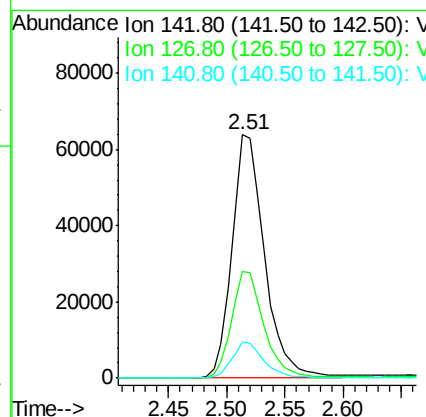
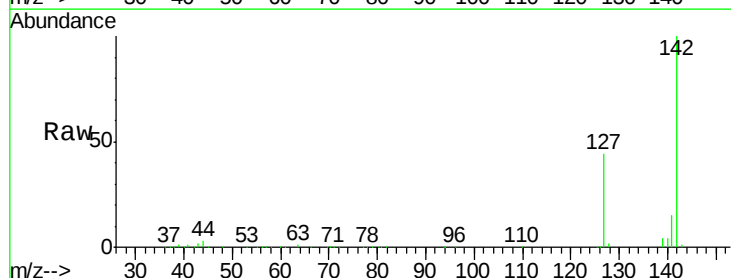
RT: 2.51 min Scan# 316

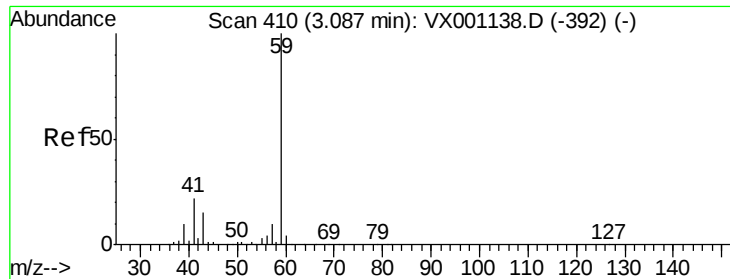
Delta R.T. 0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	124938		
127	44.3	34.7	52.1	
141	14.6	11.6	17.4	





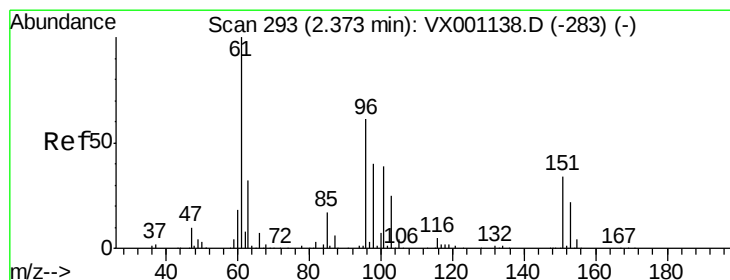
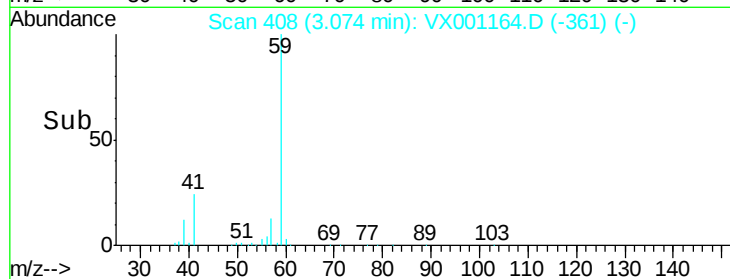
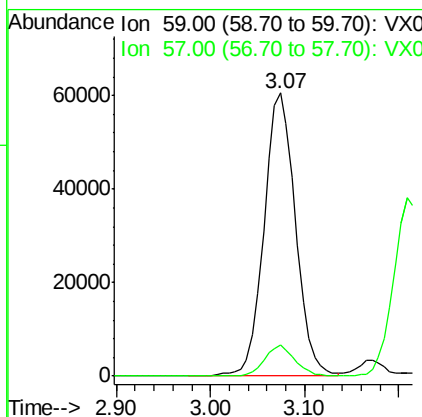
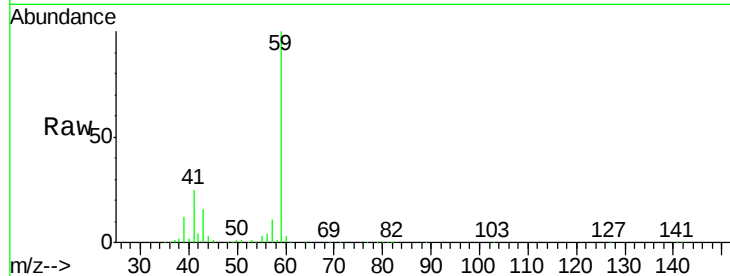
#11
Tert butyl alcohol
Concen: 177.27 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	141690
Ion Ratio	100	Lower	Upper
57	10.5	8.2	12.4

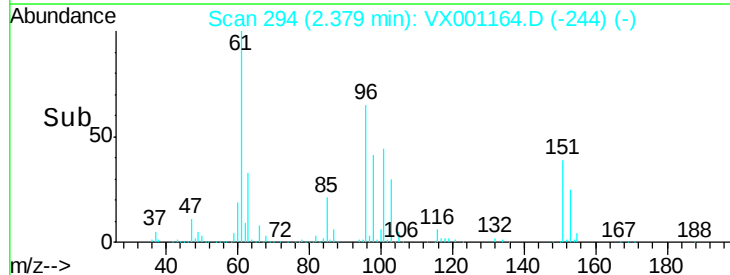
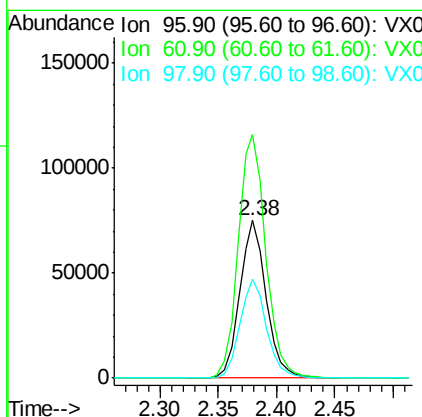
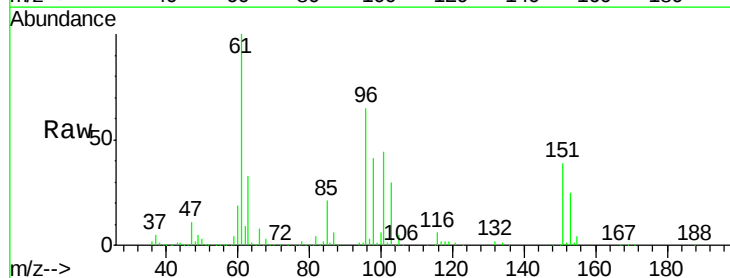
Manual Integrations
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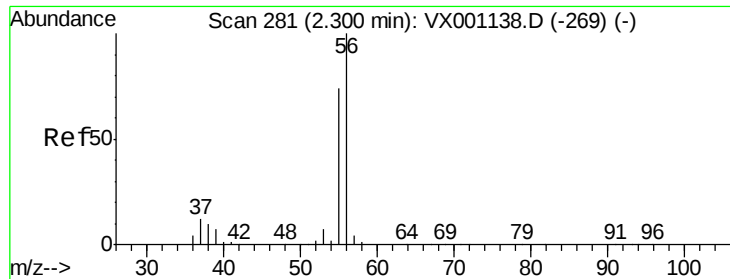
MMDadoda
4/30/2018 6:04:36 PM



#12
1,1-Dichloroethene
Concen: 44.77 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Tgt Ion	96	Resp	118383
Ion Ratio	100	Lower	Upper
61	154.8	130.2	195.4
98	63.0	51.5	77.3





#13

Acrolein

Concen: 167.54 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 50626

Ion Ratio Lower Upper

56 100

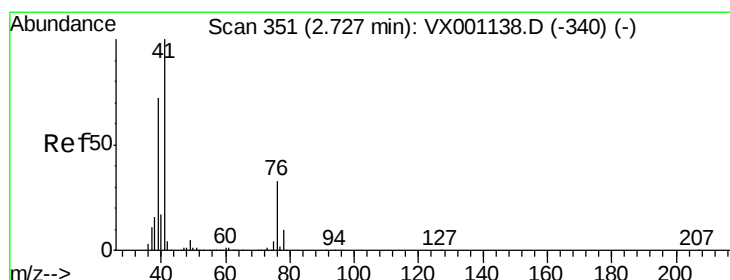
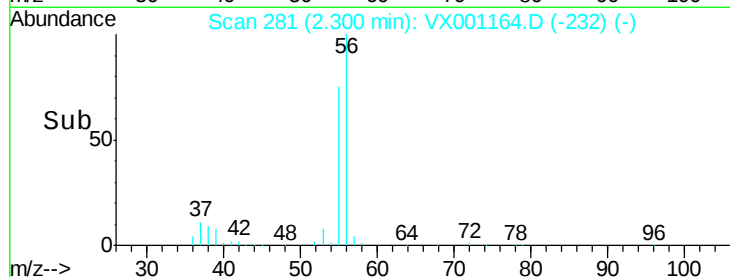
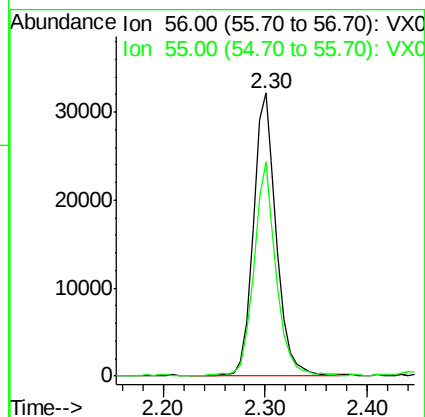
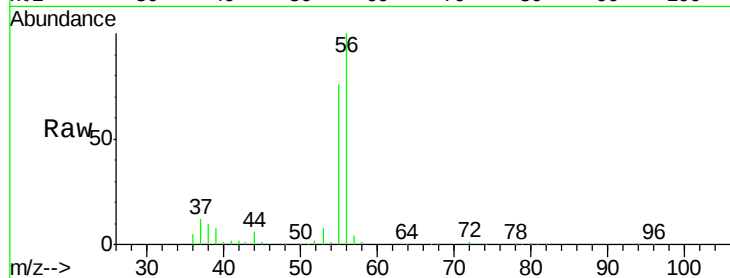
55 73.6 57.2 85.8

Manual Integrations

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#14

Allyl chloride

Concen: 45.20 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

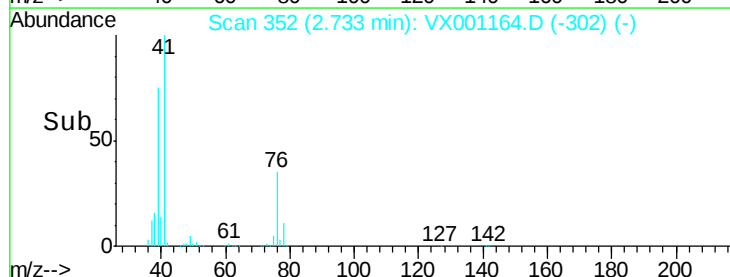
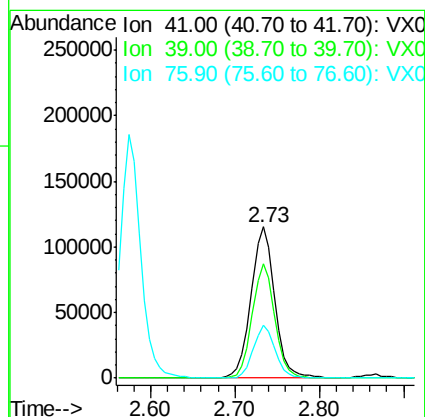
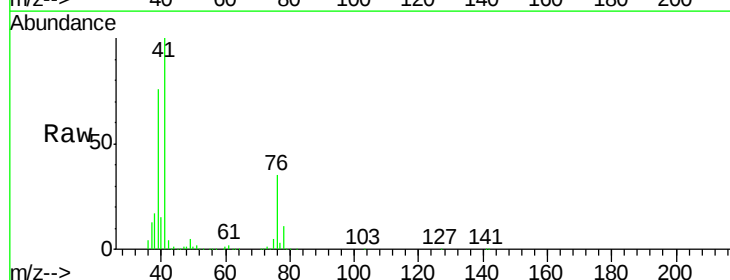
Tgt Ion: 41 Resp: 218019

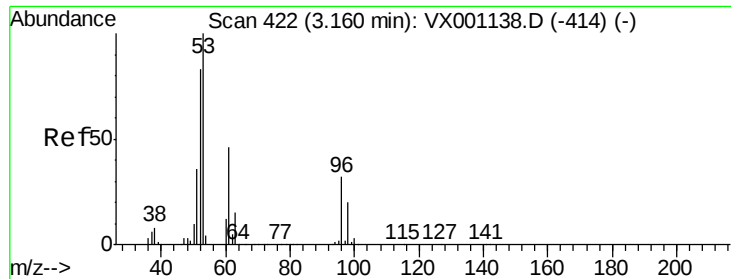
Ion Ratio Lower Upper

41 100

39 72.1 55.6 83.4

76 32.1 24.8 37.2





#15

Acrylonitrile

Concen: 194.34 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

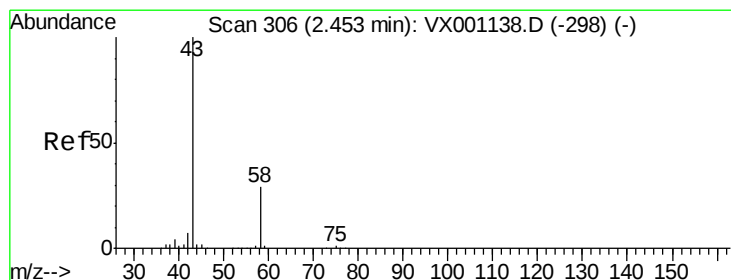
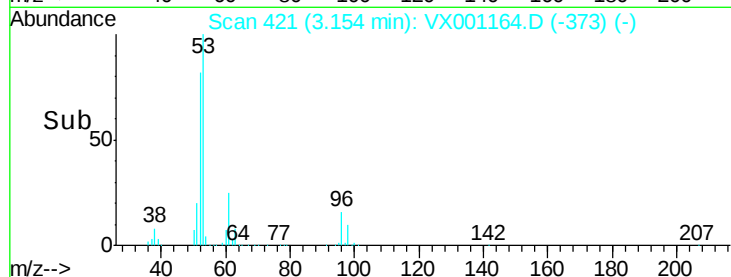
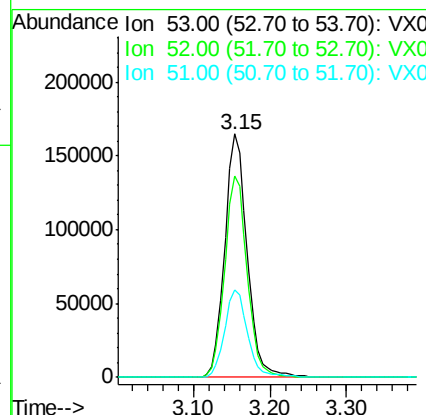
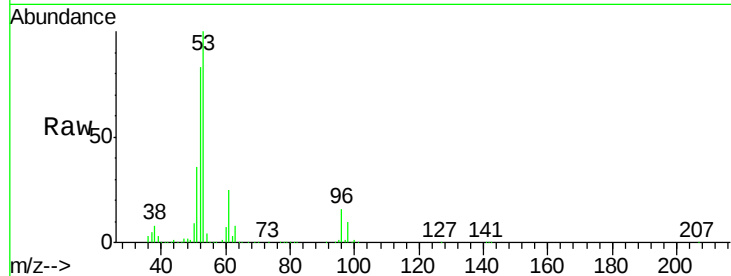
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	331705
Ion Ratio	Lower	Upper	
53	100		
52	83.7	66.5	99.7
51	37.1	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 207.00 ug/l

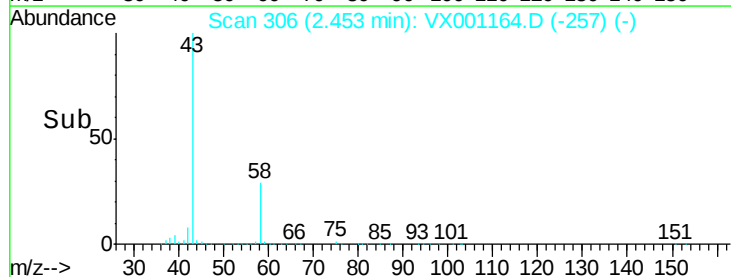
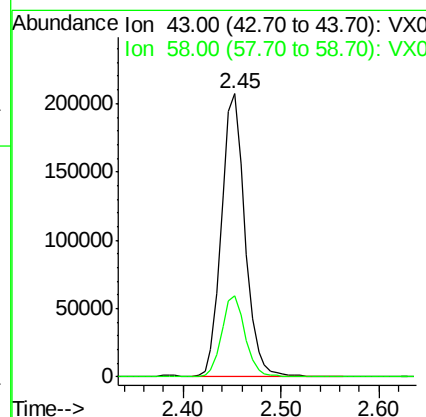
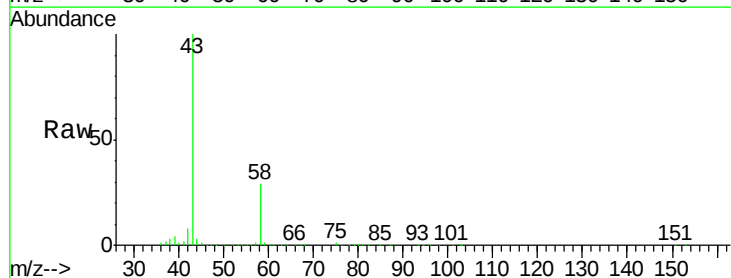
RT: 2.45 min Scan# 306

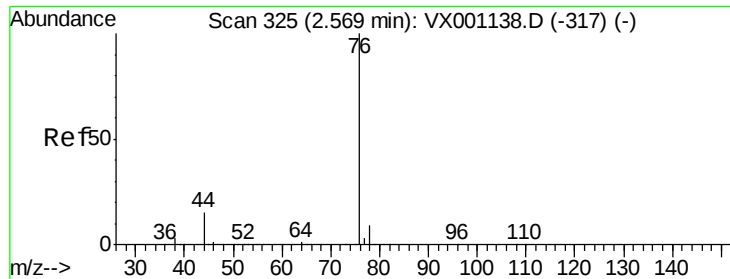
Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Tgt Ion:	43	Resp:	345030
Ion Ratio	Lower	Upper	
43	100		
58	28.5	23.0	34.6





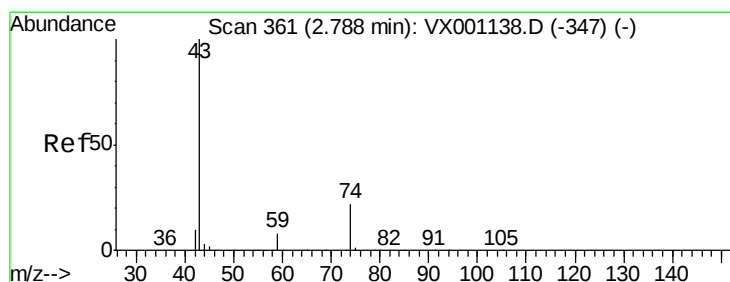
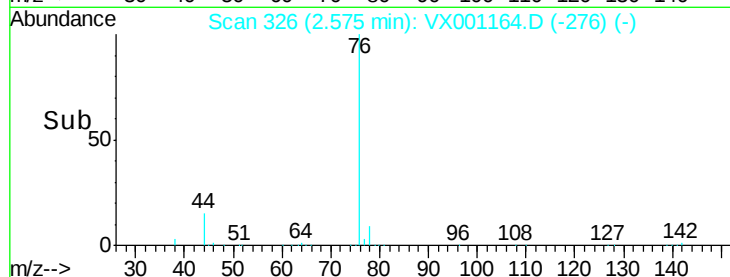
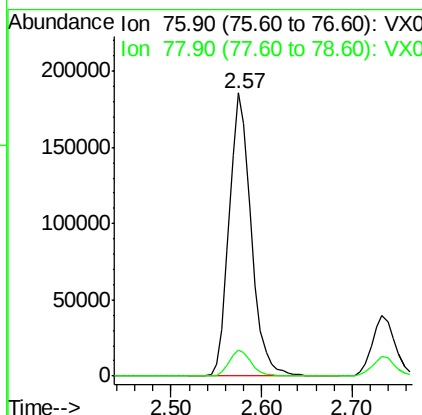
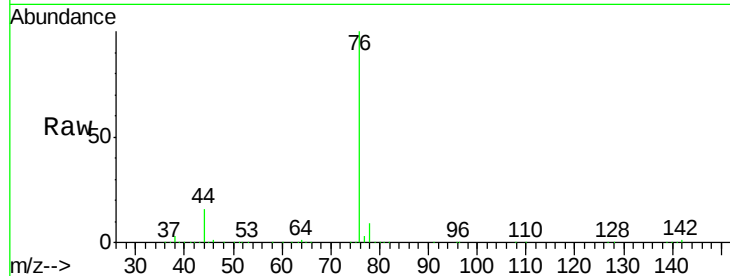
#17
Carbon Disulfide
Concen: 46.40 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

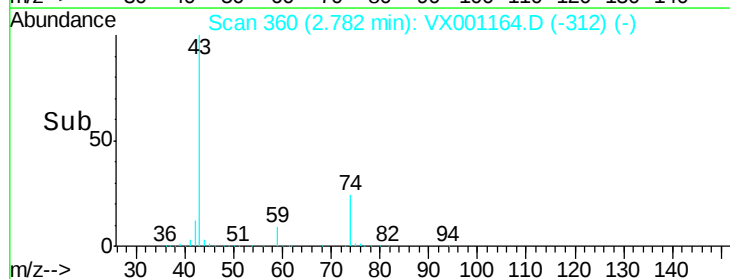
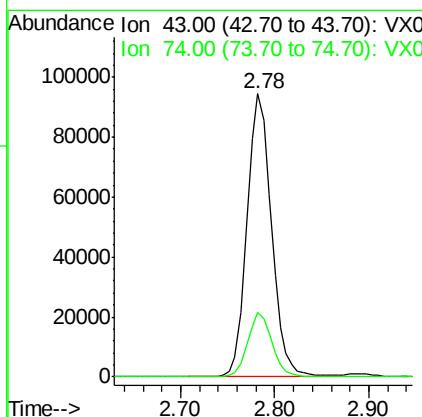
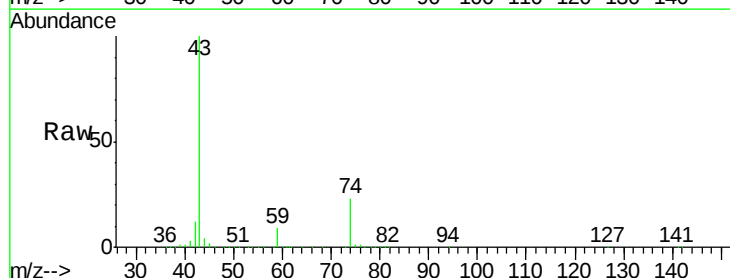
Manual Integrations
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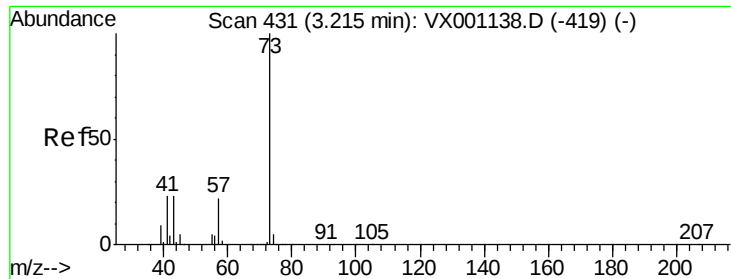
MMDadoda
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#18
Methyl Acetate
Concen: 40.89 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.1	27.1





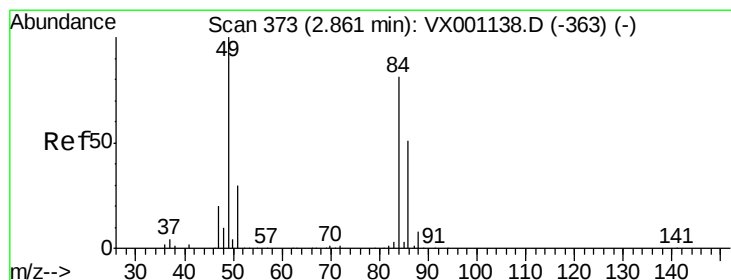
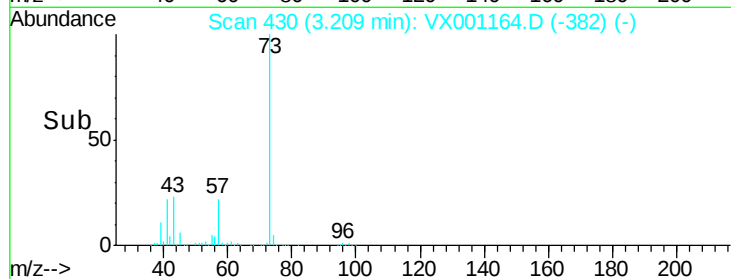
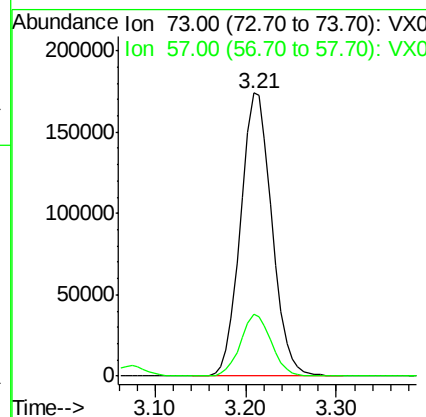
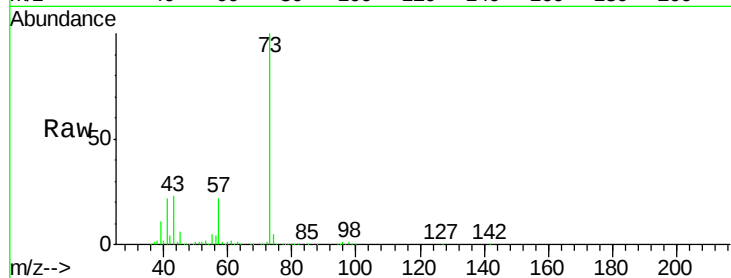
#19
Methvl tert-butvl Ether
Concen: 42.71 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5

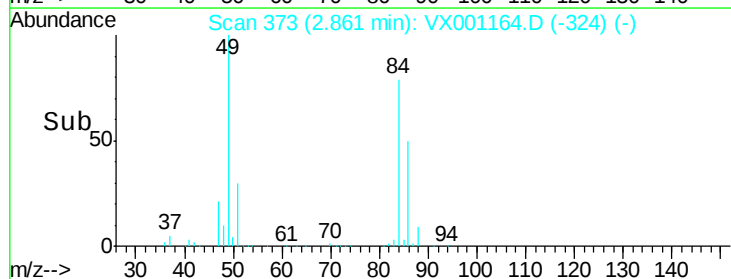
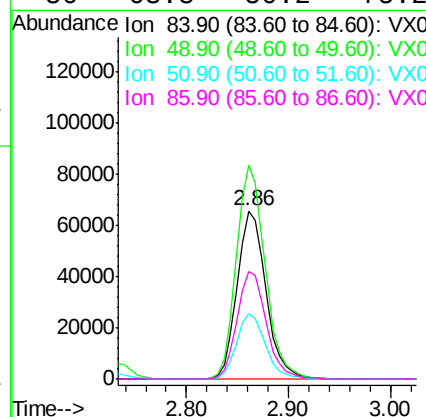
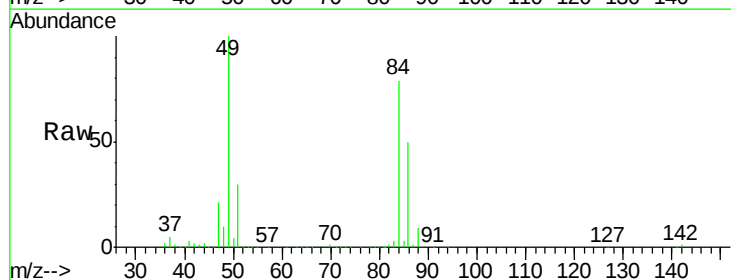
Manual Integrations
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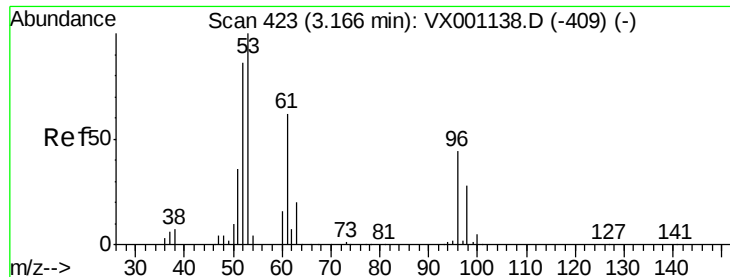
MMDadoda
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#20
Methylene Chloride
Concen: 41.32 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.1	99.2	148.8
51	38.4	29.5	44.3
86	63.8	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 43.95 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

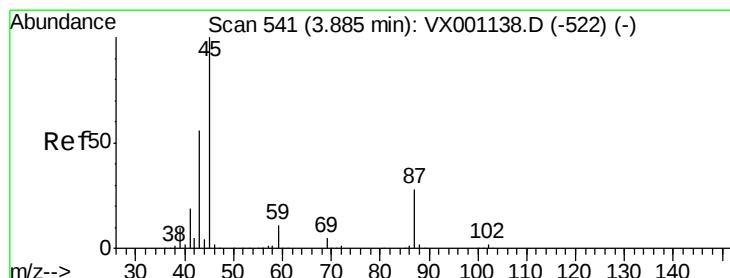
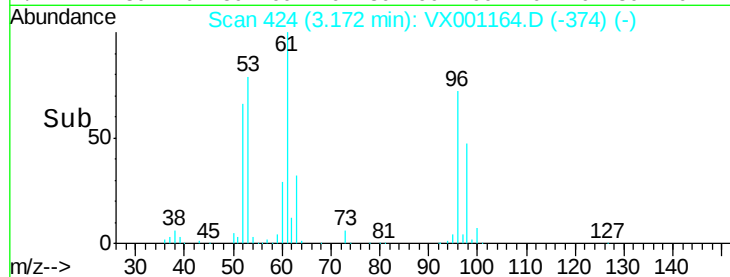
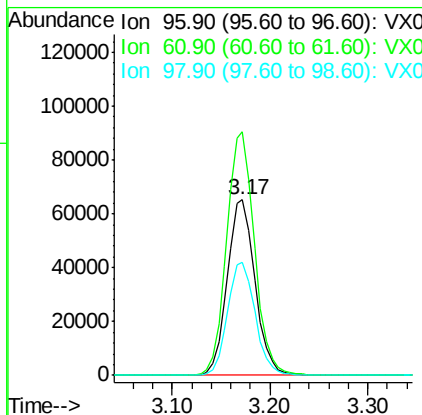
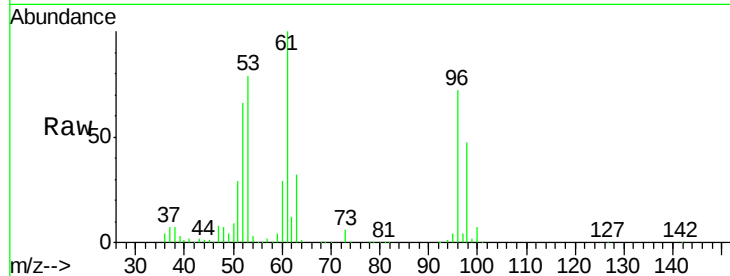
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	128468
Ion	Ratio	Lower	Upper
96	100		
61	138.9	111.9	167.9
98	64.9	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 44.28 ug/l

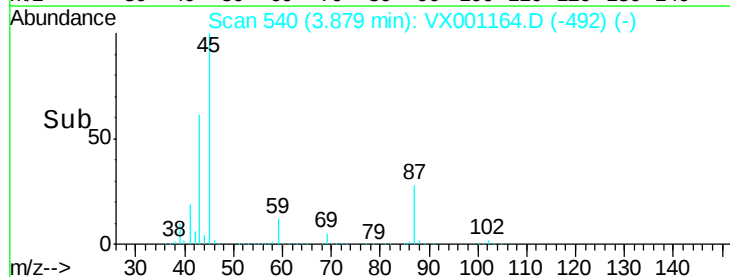
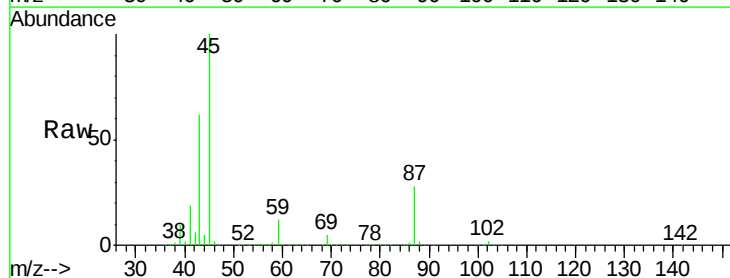
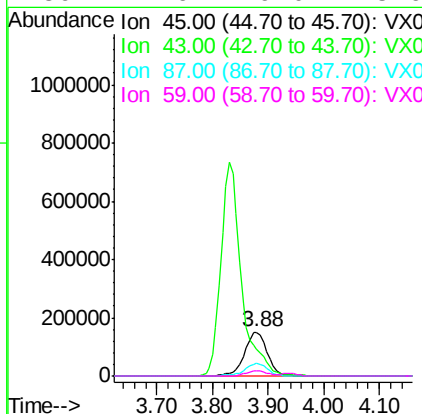
RT: 3.88 min Scan# 540

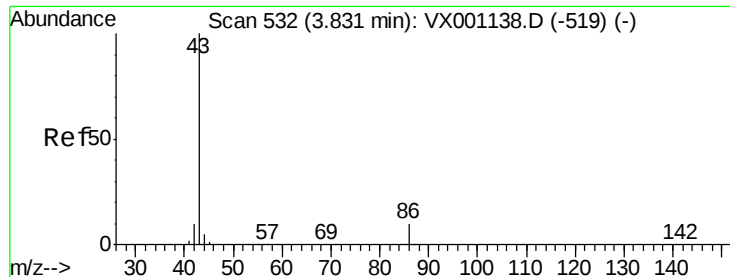
Delta R.T. -0.01 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Tgt Ion:	45	Resp:	427363
Ion	Ratio	Lower	Upper
45	100		
43	61.4	45.0	67.4
87	28.2	22.8	34.2
59	11.6	9.0	13.6





#23

Vinyl Acetate

Concen: 230.68 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1888720

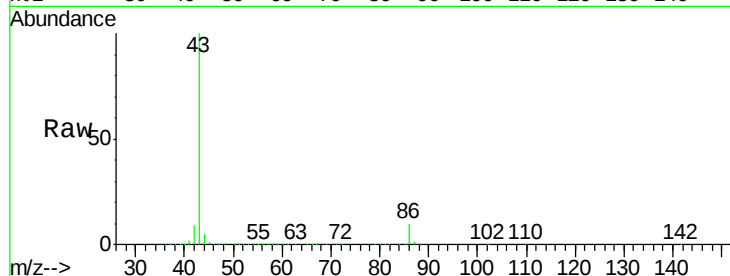
Ion Ratio Lower Upper

43 100

86 9.9 8.0 12.0

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

3.83

800000

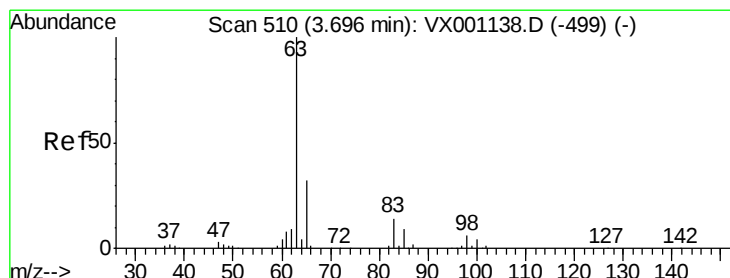
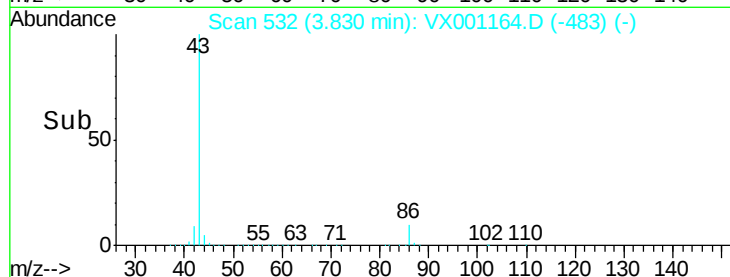
600000

400000

200000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 45.93 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

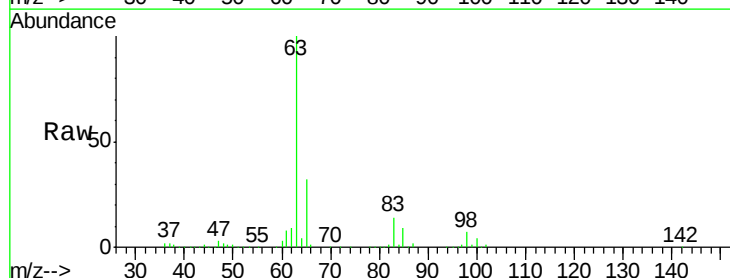
Tgt Ion: 63 Resp: 232984

Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.4

100 4.2 2.1 6.5



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

120000

100000

80000

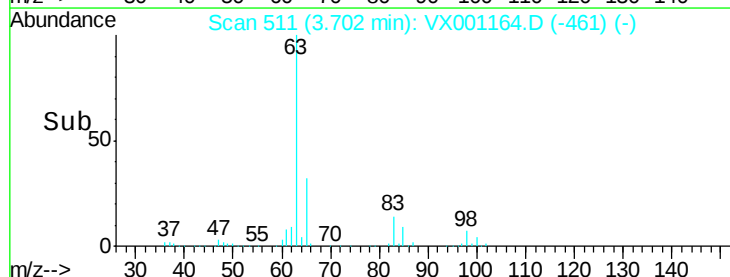
60000

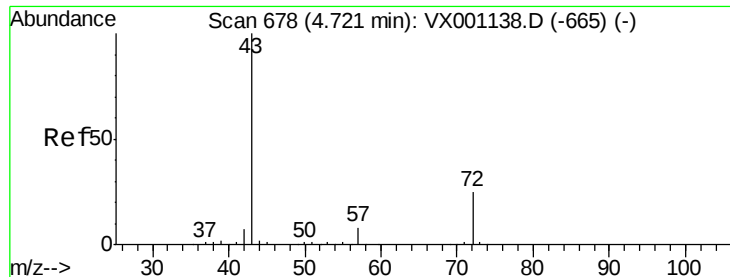
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 197.64 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 492898

Ion Ratio Lower Upper

43 100

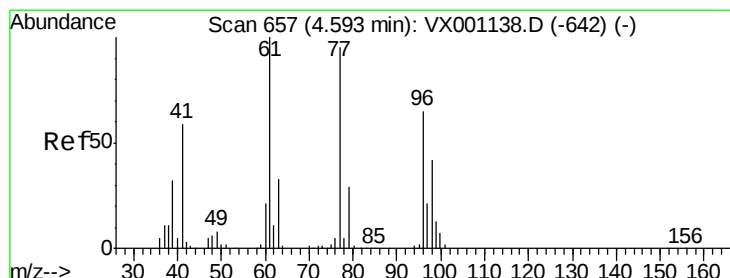
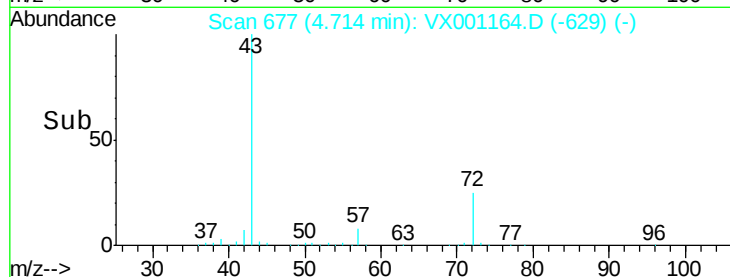
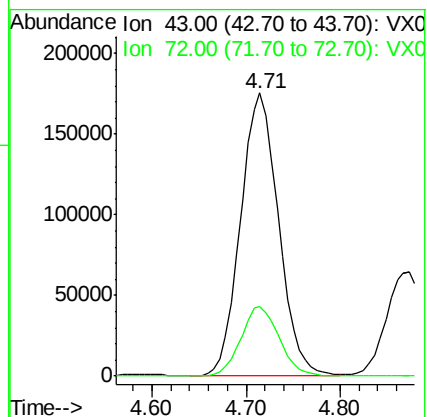
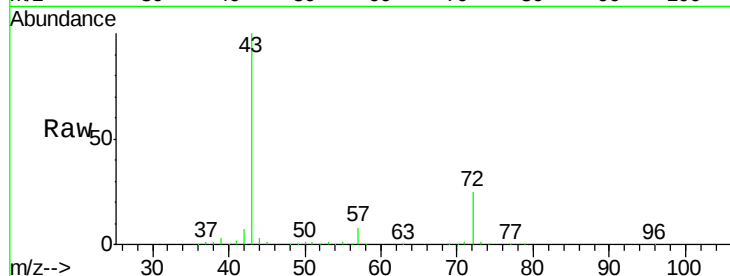
72 24.7 20.0 30.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.09 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX001164.D

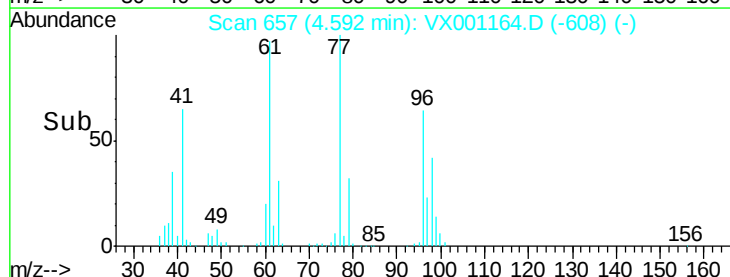
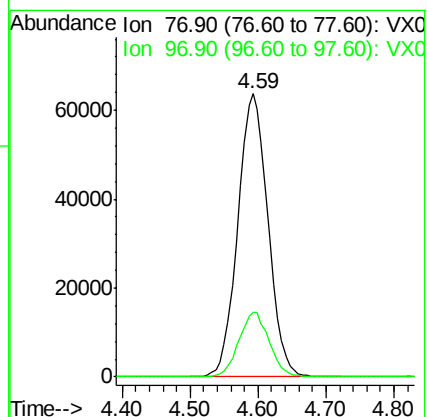
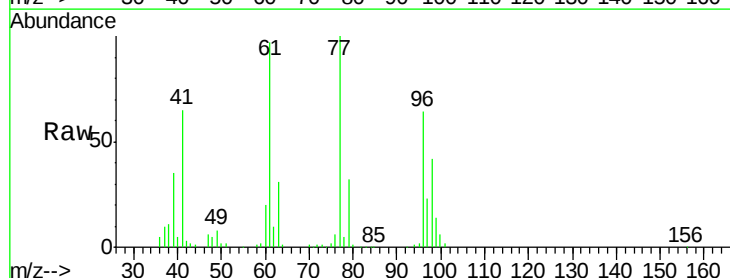
Acq: 27 Apr 2018 12:05

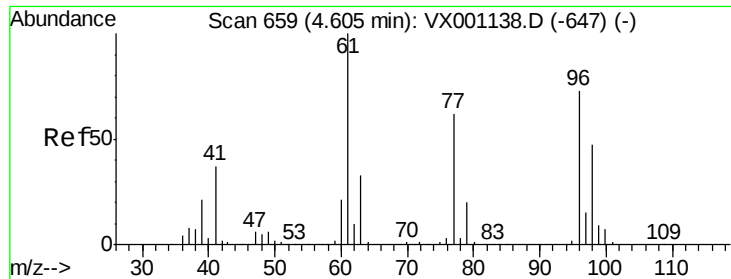
Tgt Ion: 77 Resp: 195992

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 45.00 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

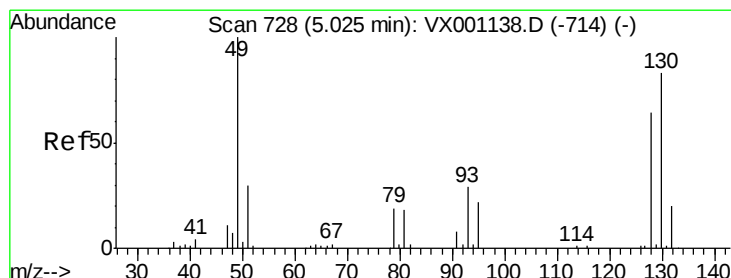
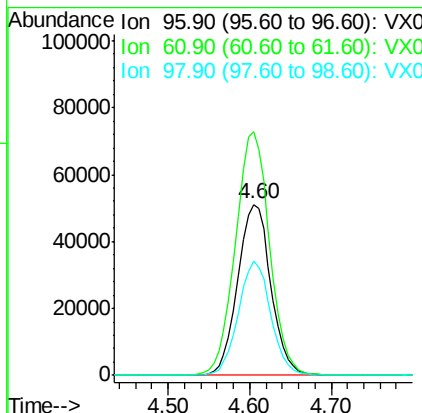
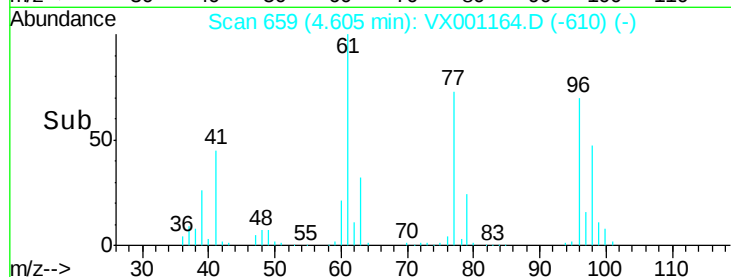
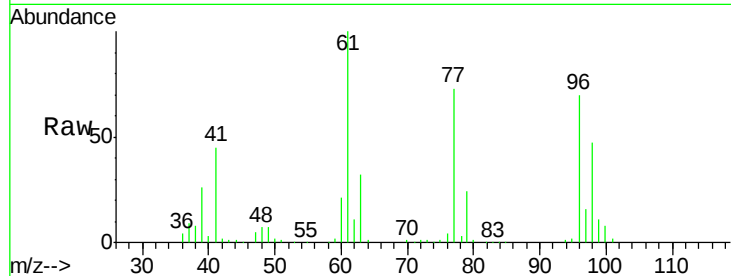
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	144013
Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	289.0
98	65.2	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 52.75 ug/l

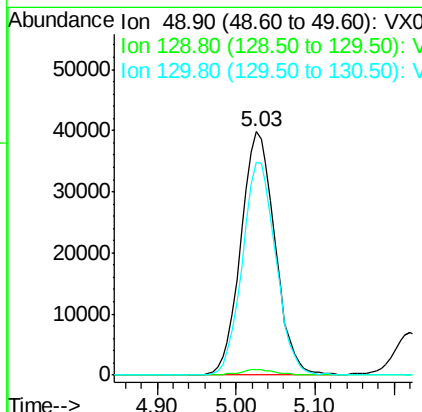
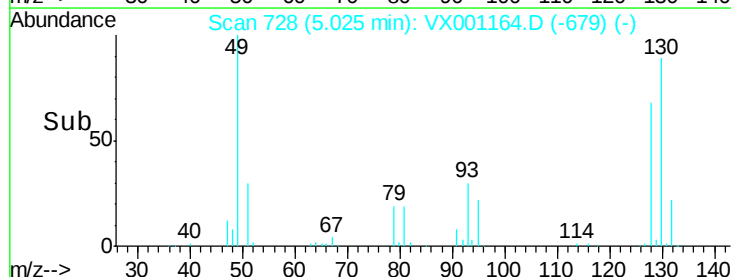
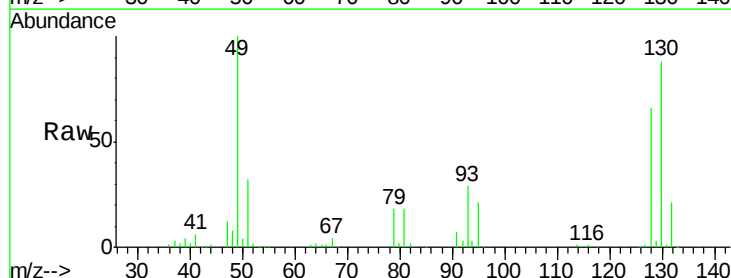
RT: 5.03 min Scan# 728

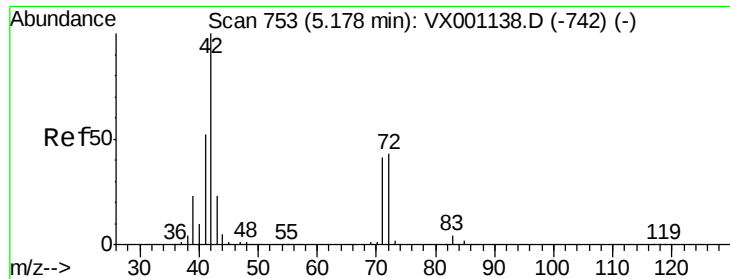
Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Tgt Ion:	49	Resp:	119979
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.6
130	85.8	68.2	102.2





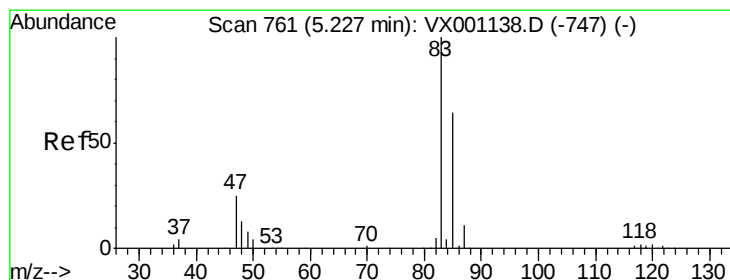
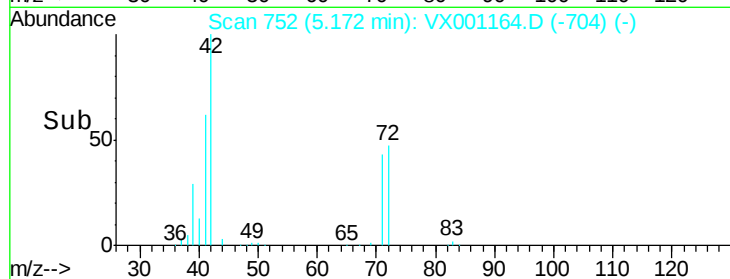
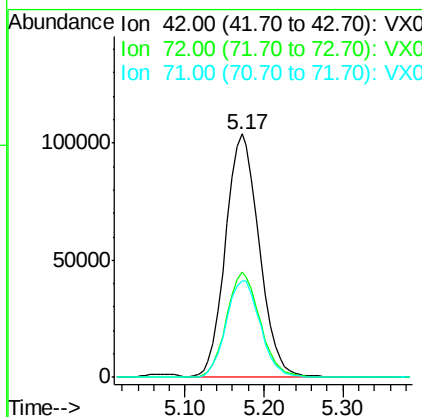
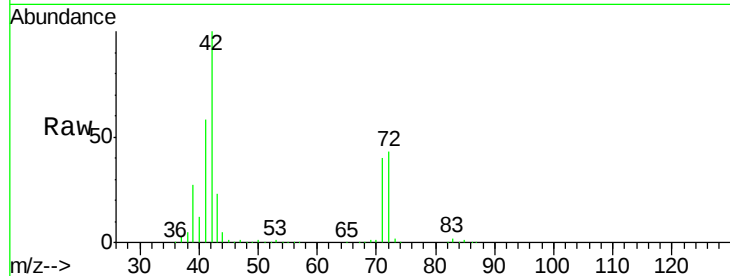
#29
Tetrahydrofuran
Concen: 191.60 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.4	51.6
71	40.4	32.1	48.1

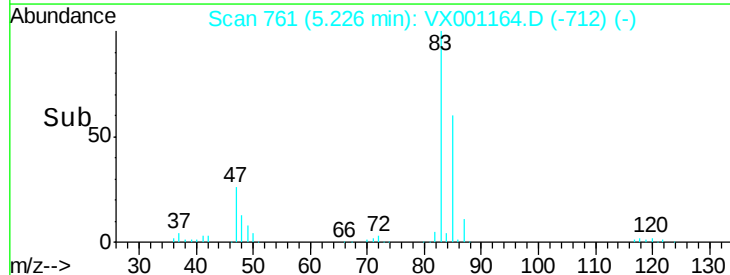
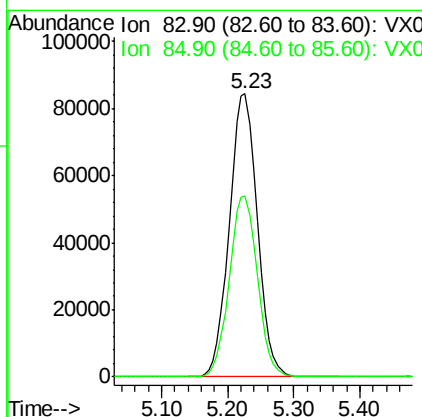
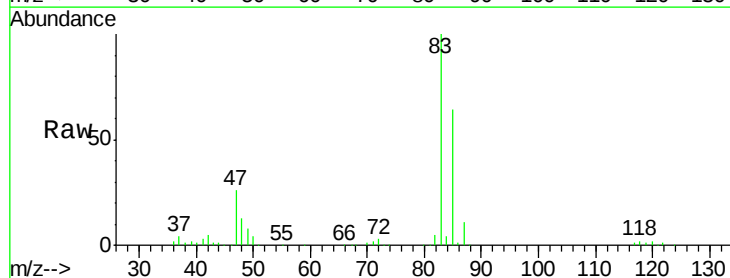
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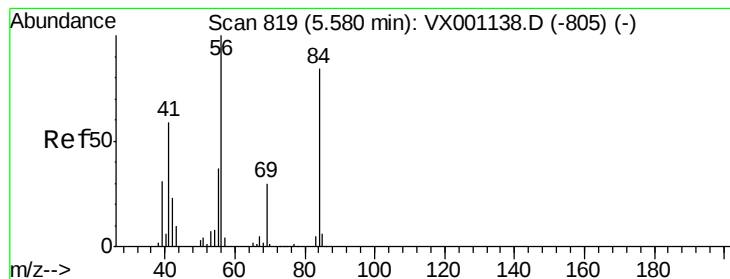
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#30
Chloroform
Concen: 45.93 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.4	77.0





#31

Cyclohexane

Concen: 49.75 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

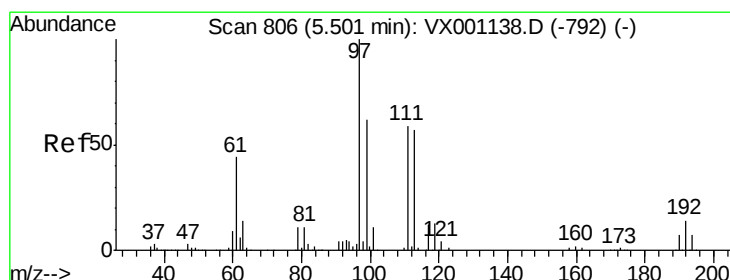
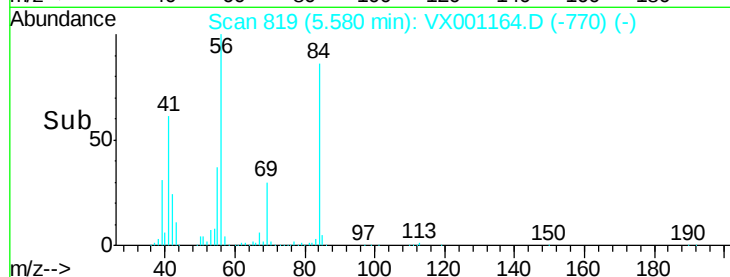
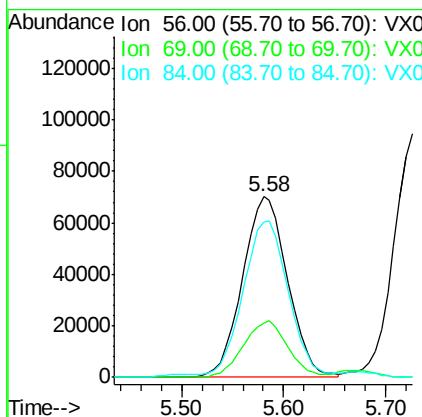
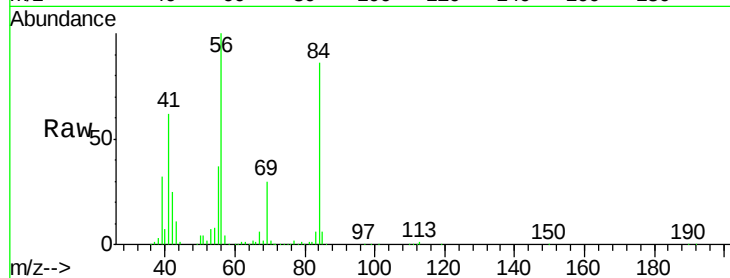
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	214381
Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.2	36.2
84	84.5	67.5	101.3

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#32

1,1,1-Trichloroethane

Concen: 47.65 ug/l

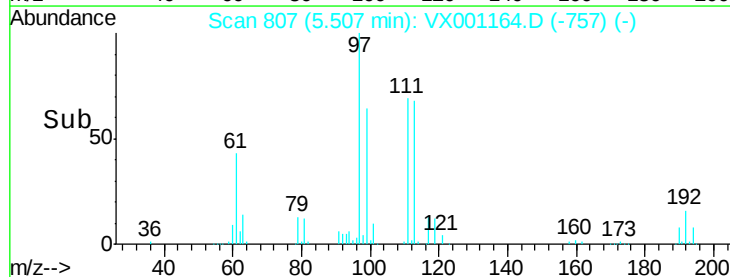
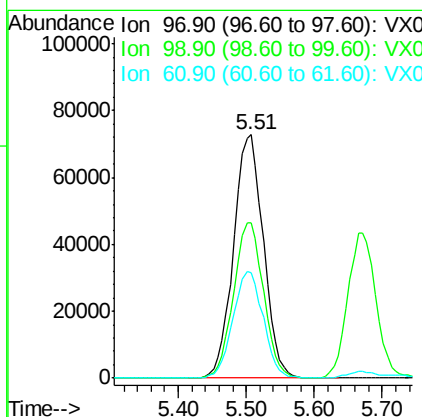
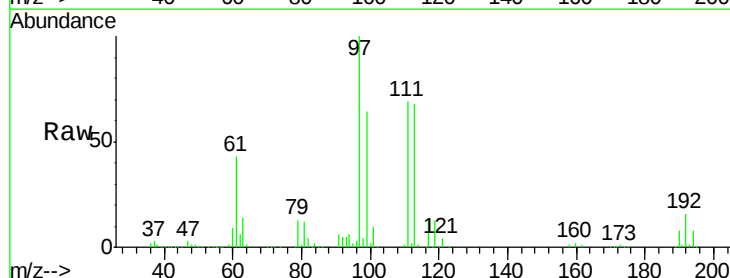
RT: 5.51 min Scan# 807

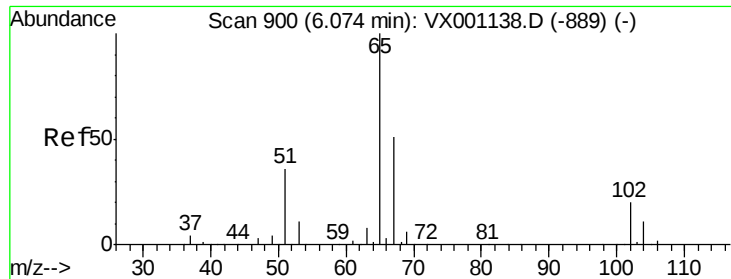
Delta R.T. 0.01 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Tgt Ion:	97	Resp:	221862
Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.9	76.3
61	44.6	35.0	52.6





#33

1,2-Dichloroethane-d4

Concen: 42.83 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Tot Ion: 65 Resp: 173600

Ion Ratio Lower Upper

65 100

67 50.6 0.0 102.2

Instrument :

MSVOA_X

ClientSampleId :

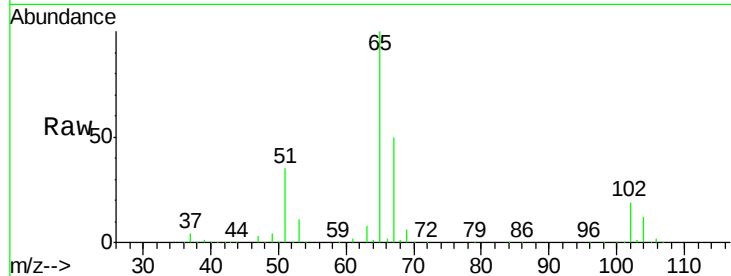
VSTDCCC050

Manual Integrations

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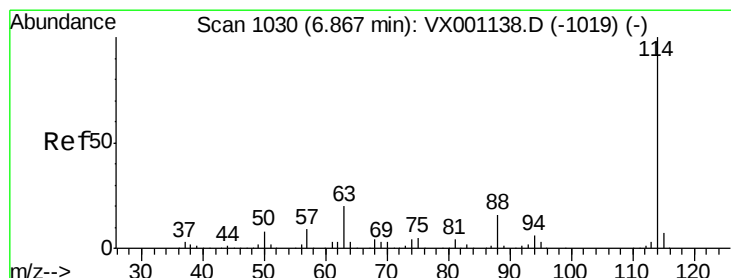
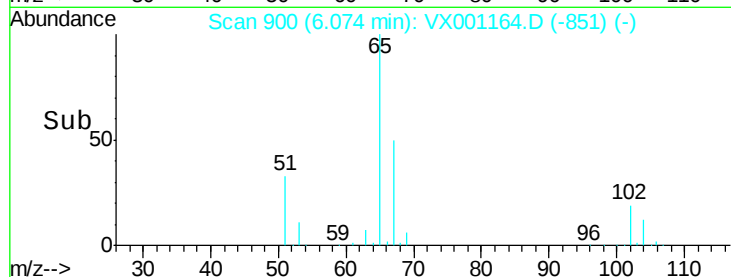
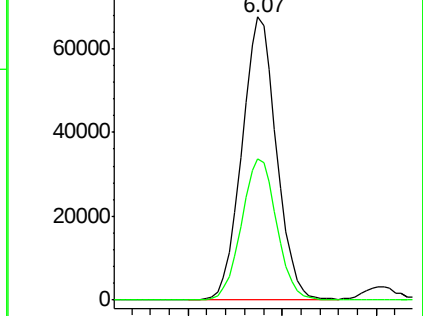
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

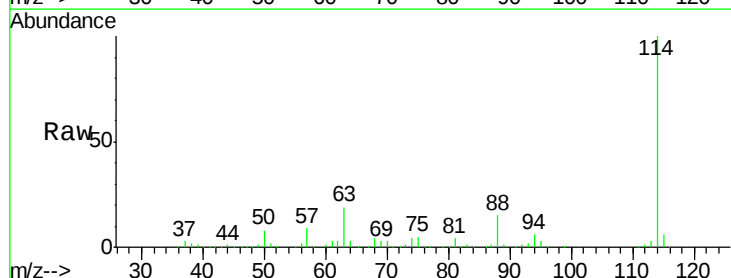
Tgt Ion: 114 Resp: 341078

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.4

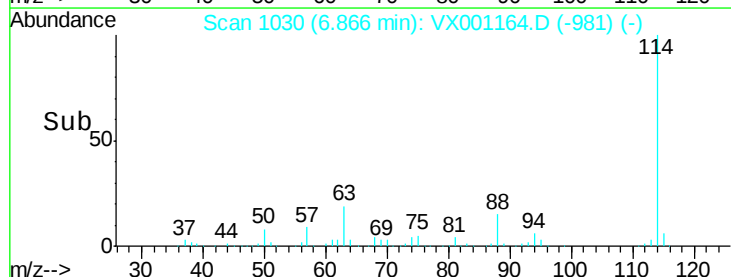
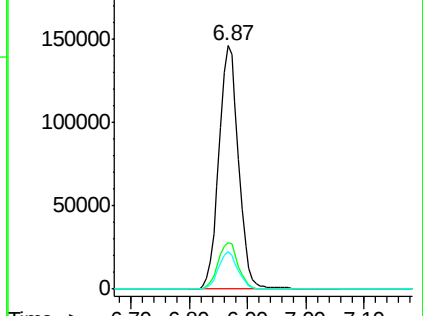
88 15.2 0.0 31.8

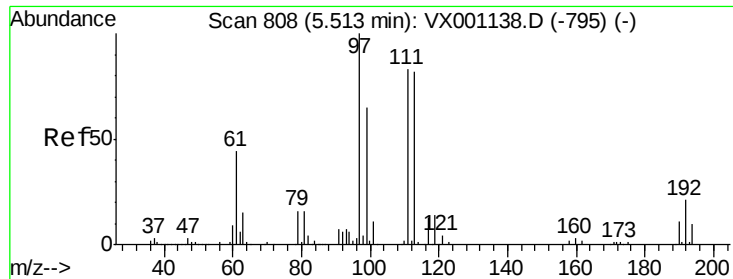


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.92 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

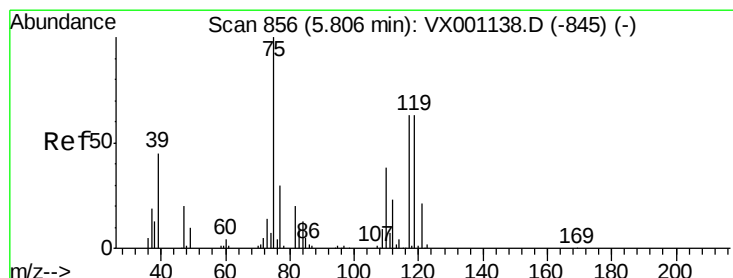
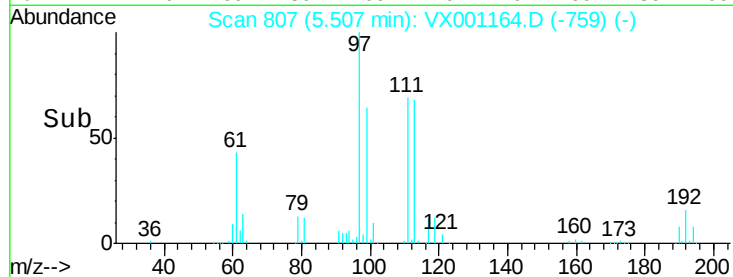
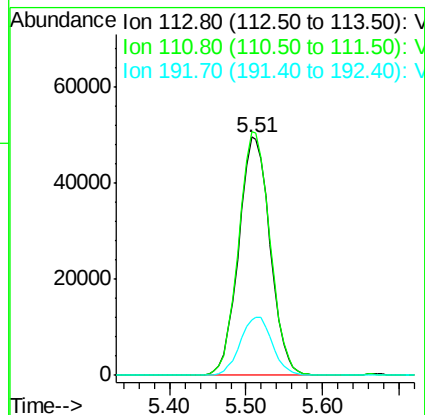
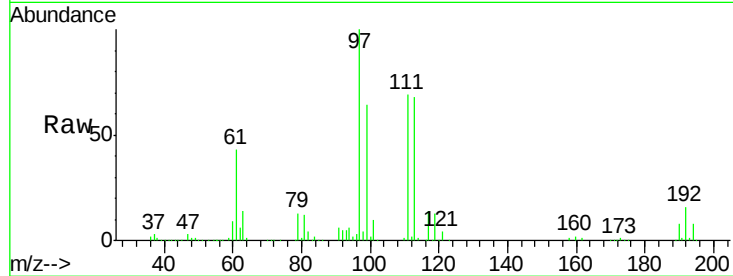
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	140931
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.2	123.4
192	24.9	20.6	30.8

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#36

1,1-Dichloropropene

Concen: 50.03 ug/l

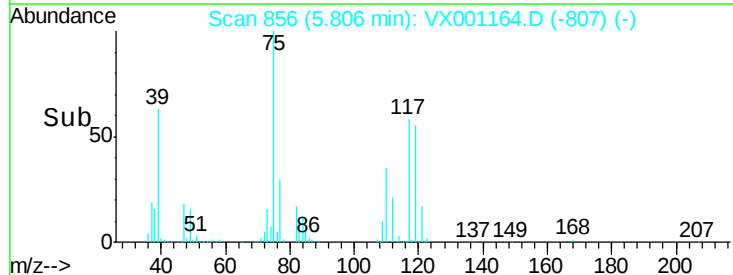
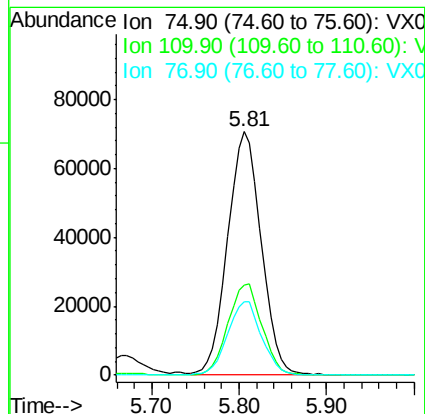
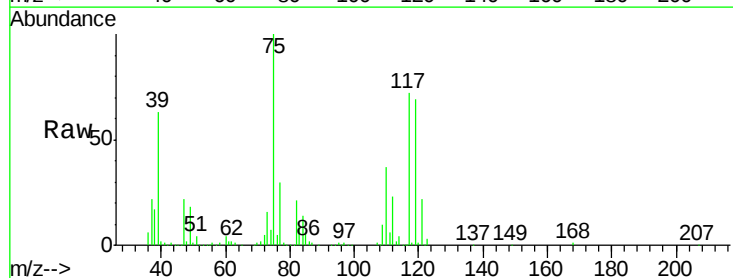
RT: 5.81 min Scan# 856

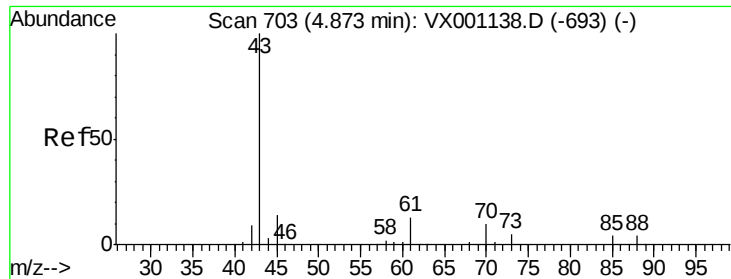
Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Tgt Ion:	75	Resp:	188043
Ion Ratio	Lower	Upper	
75	100		
110	37.8	19.0	57.0
77	30.4	24.8	37.2





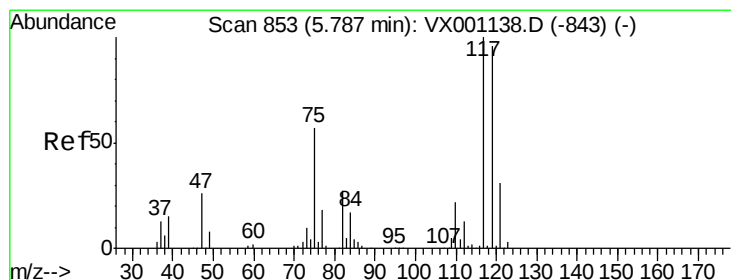
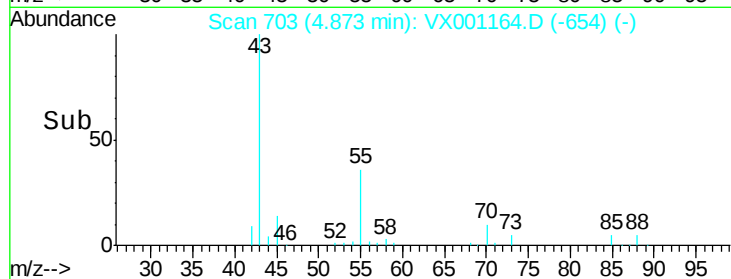
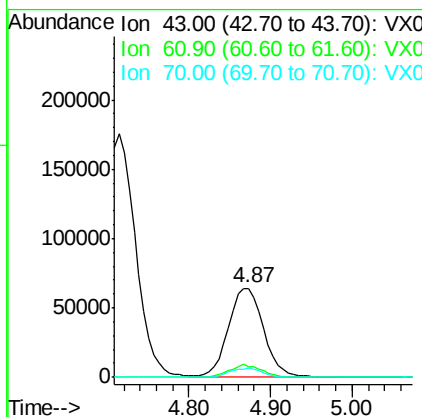
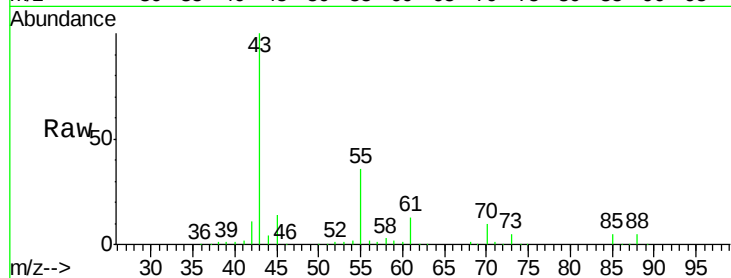
#37
Ethyl Acetate
Concen: 42.27 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	190245
Ion Ratio	Lower	Upper	
43	100		
61	13.5	11.0	16.6
70	9.9	8.2	12.2

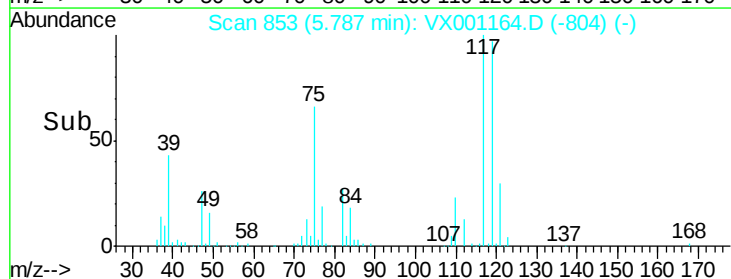
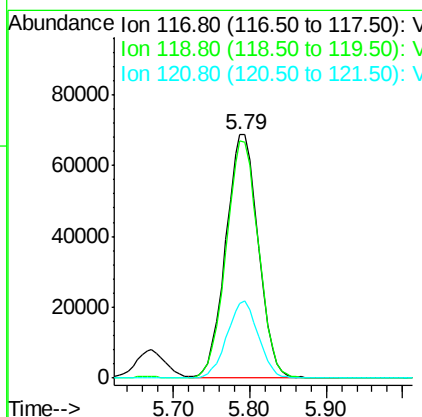
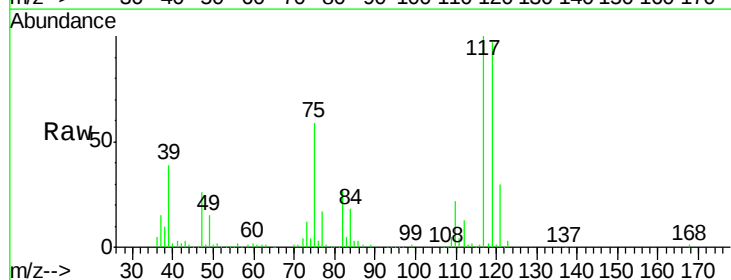
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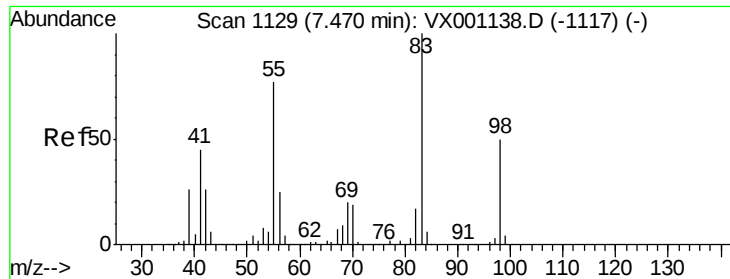
MMDadoda
4/30/2018 6:04:36 PM



#38
Carbon Tetrachloride
Concen: 52.49 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Tgt Ion	117	Resp	202292
Ion Ratio	Lower	Upper	
117	100		
119	97.1	76.5	114.7
121	30.5	24.6	37.0





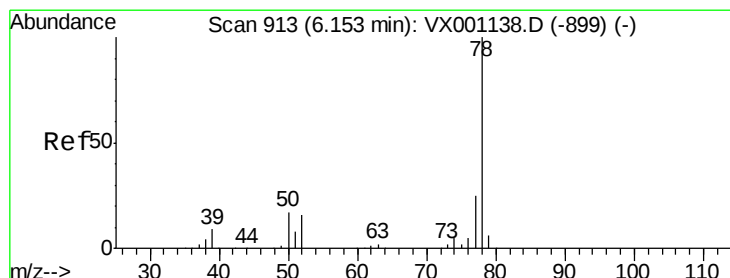
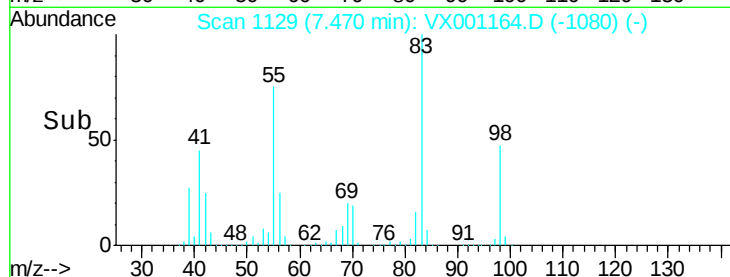
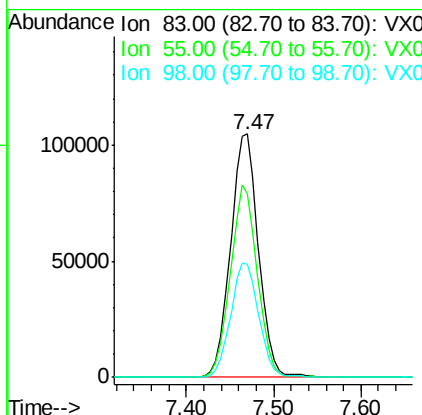
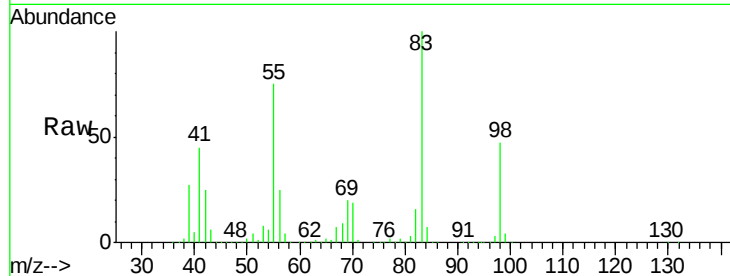
#39
Methvlcvclohexane
Concen: 55.80 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	232114		
55	75.3	61.8	92.6	
98	46.6	40.0	60.0	

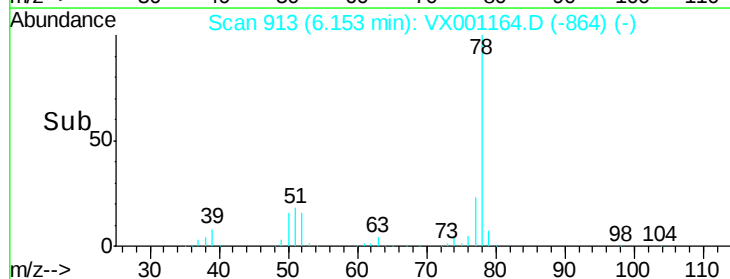
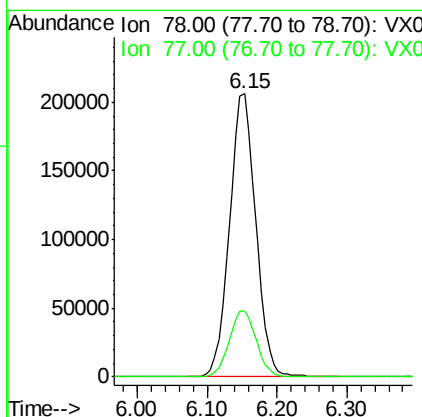
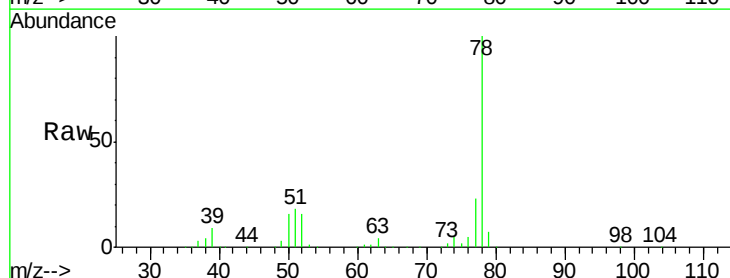
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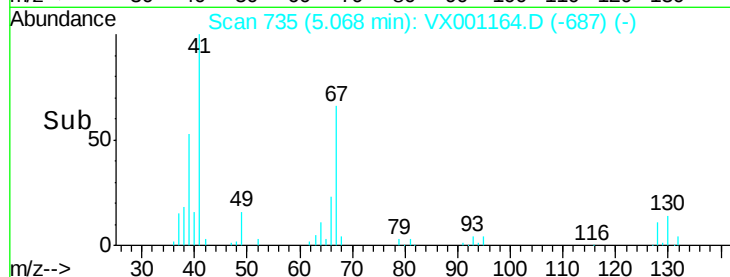
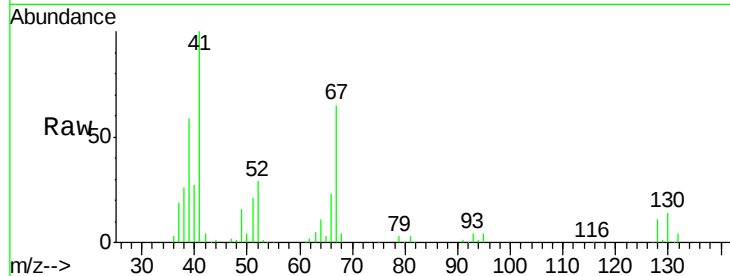
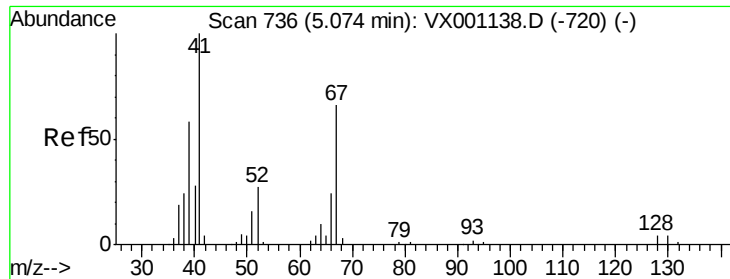
MMDadoda
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#40
Benzene
Concen: 49.46 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	537774		
77	23.3	19.7	29.5	





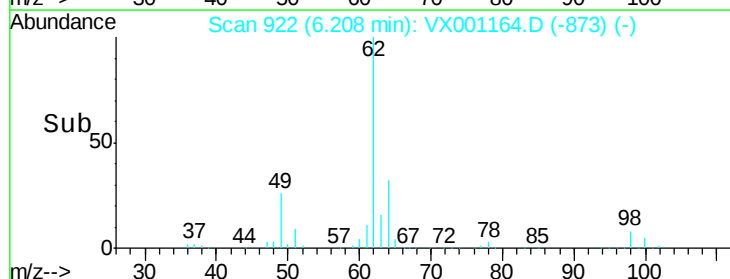
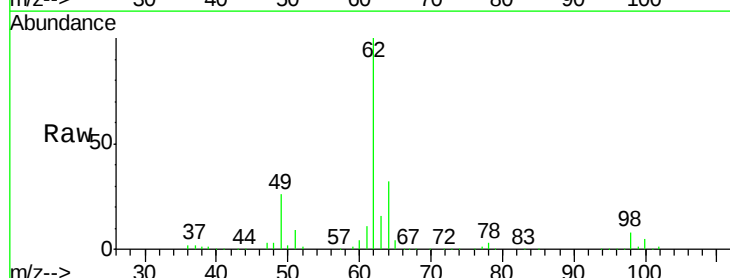
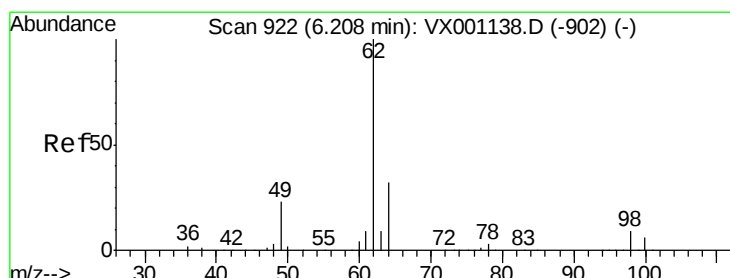
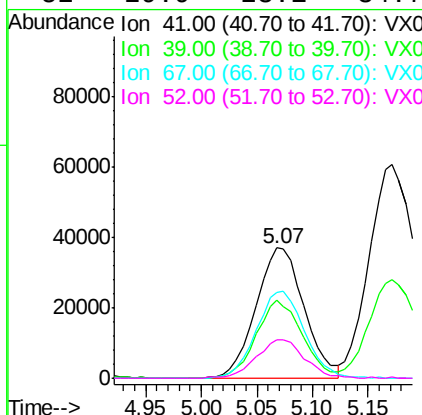
#41
Methacrylonitrile
Concen: 43.82 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	57.5	45.9	68.9		
67	66.9	53.2	79.8		
52	29.9	23.1	34.7		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

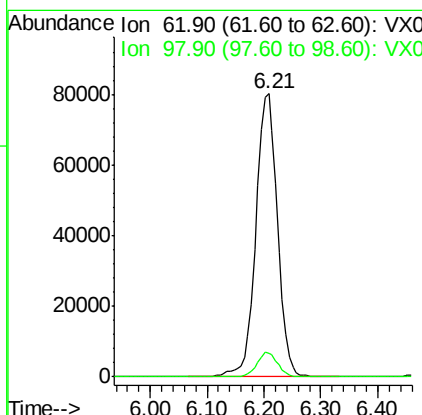
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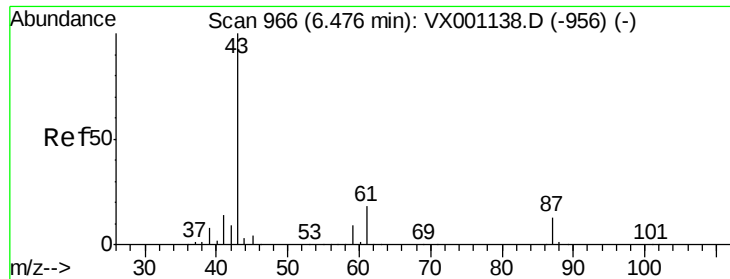
MMDadoda
4/30/2018 6:04:36 PM



#42
1,2-Dichloroethane
Concen: 48.16 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.3	0.0	17.0		





#43

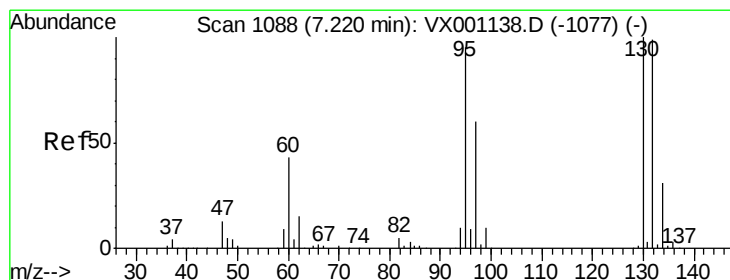
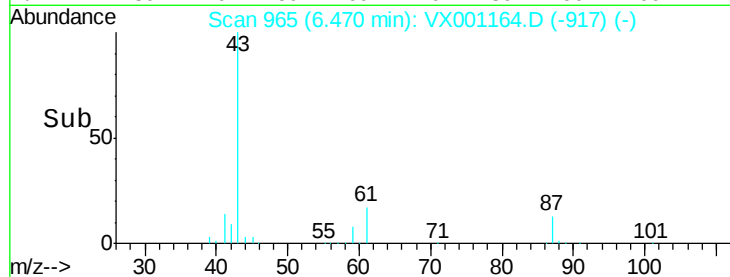
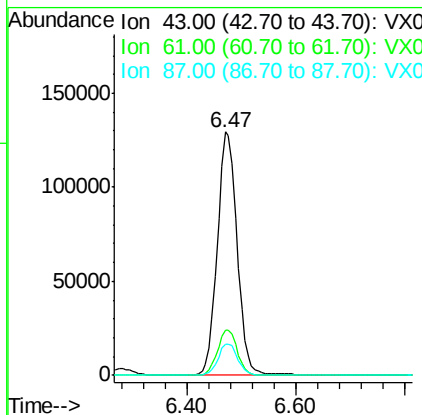
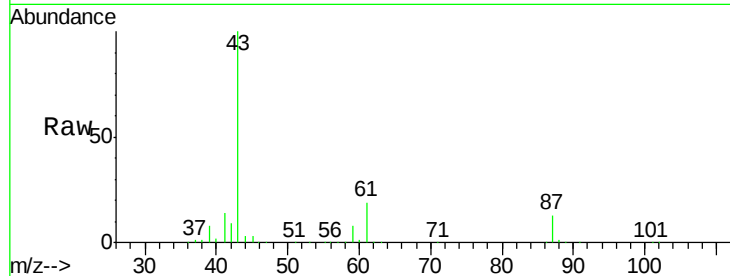
Isopropyl Acetate
 Concen: 46.07 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX001164.D
 Acq: 27 Apr 2018 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.0	22.6
87	12.8	10.3	15.5

Manual Integrations
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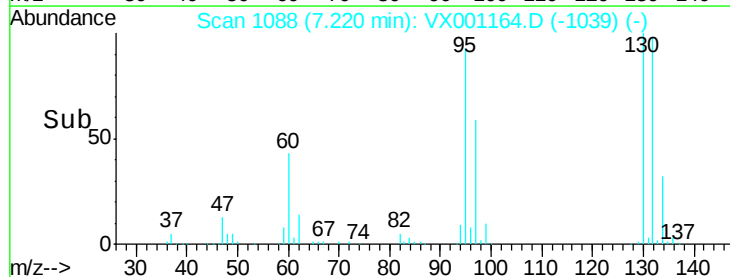
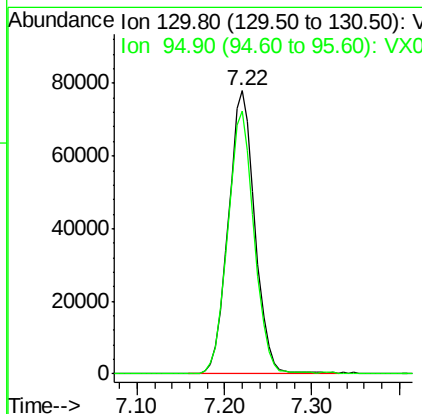
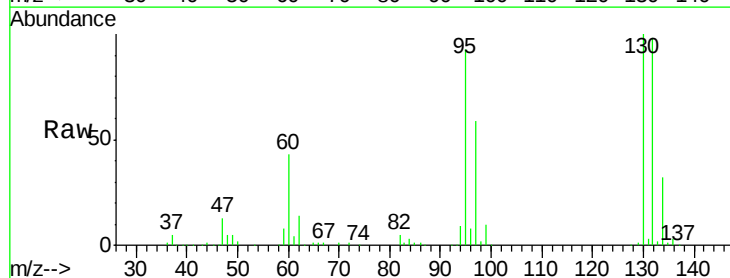
MMDadoda
 4/30/2018 6:04:36 PM

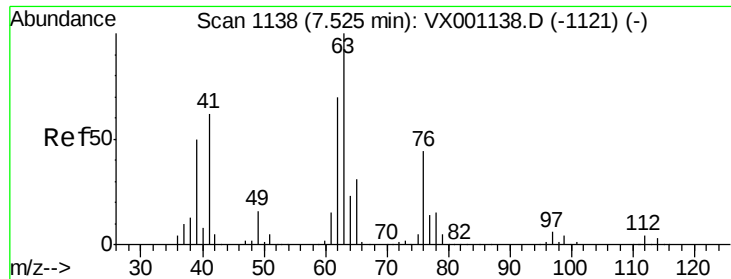


#44

Trichloroethene
 Concen: 50.76 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001164.D
 Acq: 27 Apr 2018 12:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	189.6





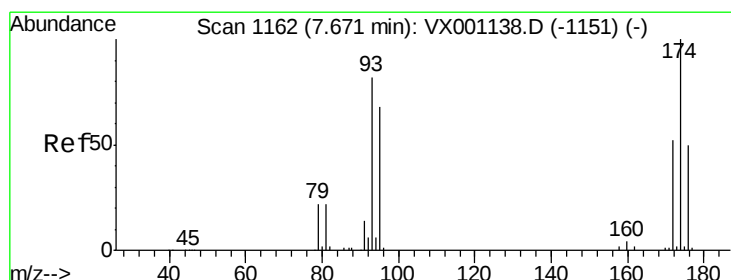
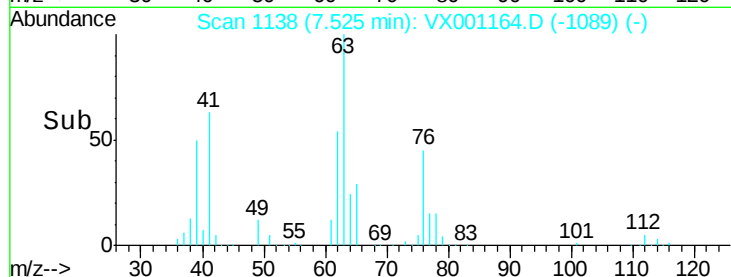
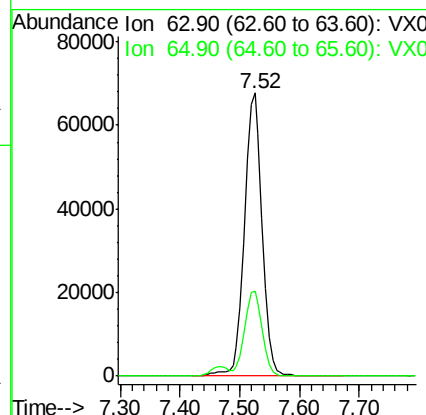
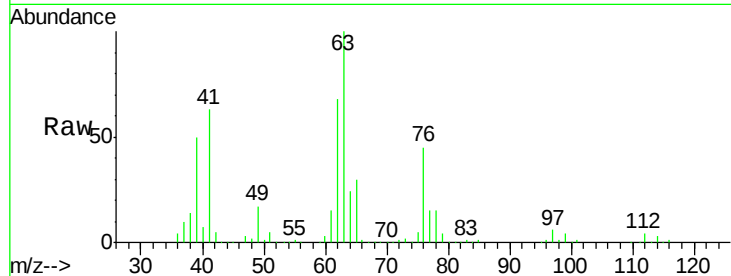
#45
 1,2-Dichloropropane
 Concen: 49.08 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX001164.D
 Acq: 27 Apr 2018 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 140365
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.9 37.3

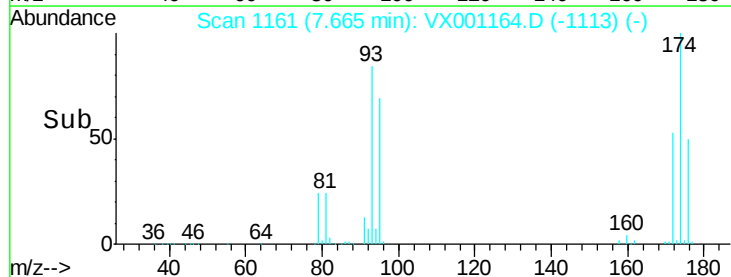
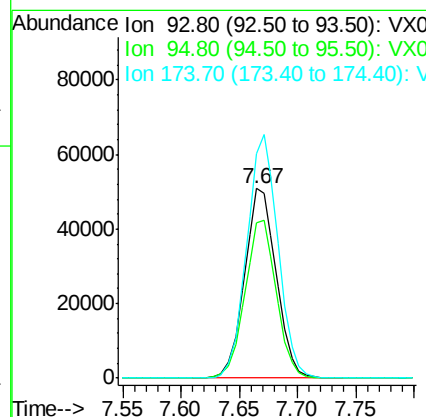
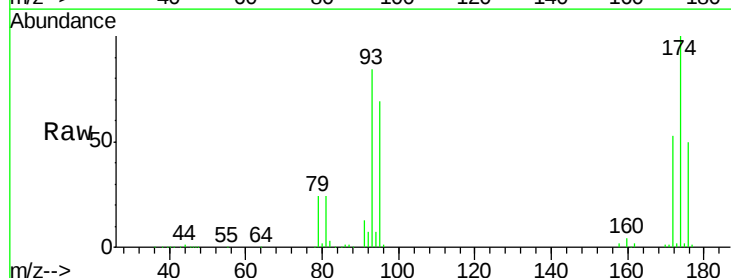
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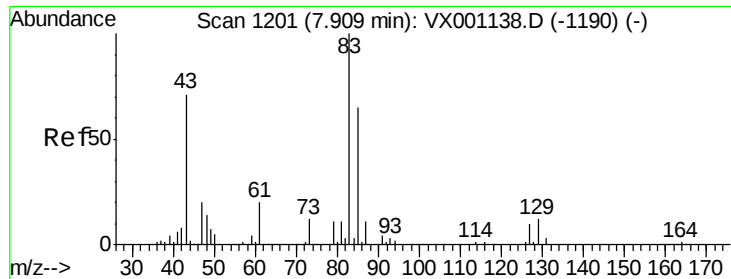
MMDadoda
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#46
 Dibromomethane
 Concen: 48.72 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX001164.D
 Acq: 27 Apr 2018 12:05

Tgt Ion: 93 Resp: 96479
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.4 99.6
 174 126.7 99.6 149.4





#47

Bromodichloromethane

Concen: 51.51 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

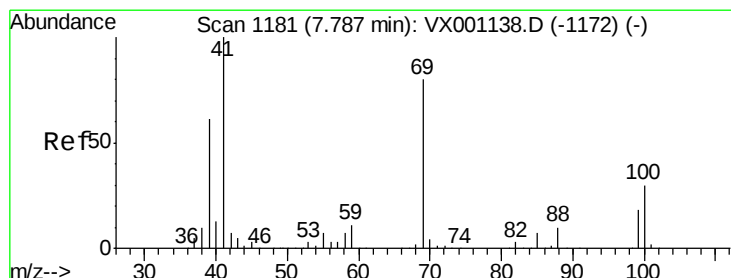
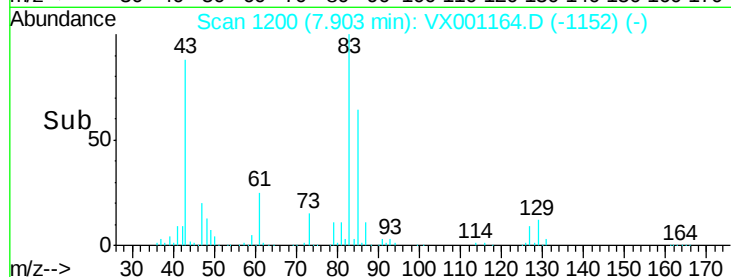
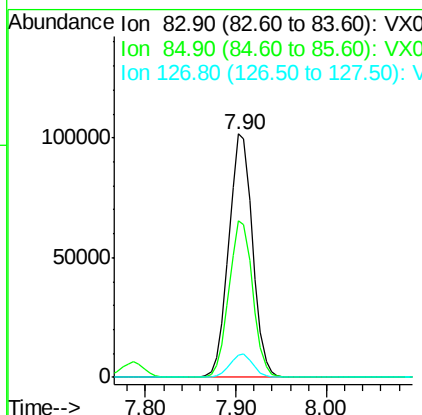
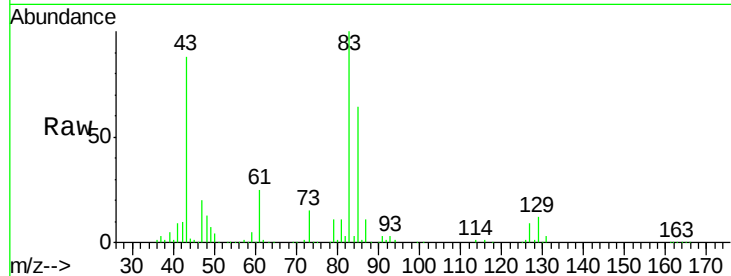
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	185340
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.9	77.9
127	9.4	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.74 ug/l

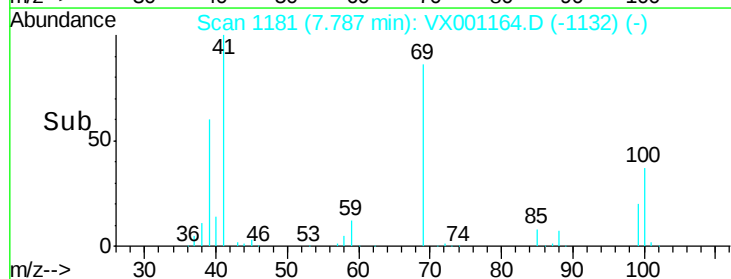
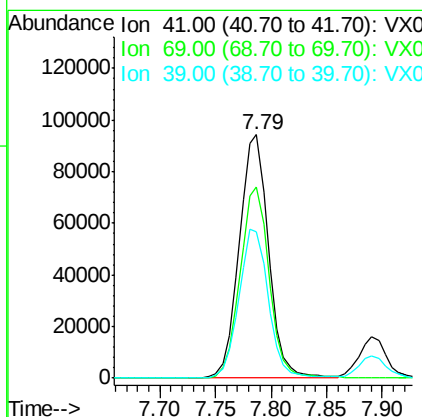
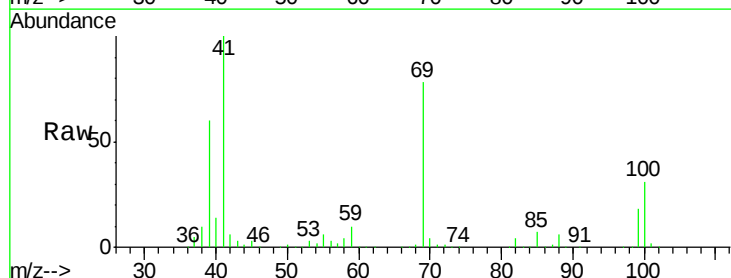
RT: 7.79 min Scan# 1181

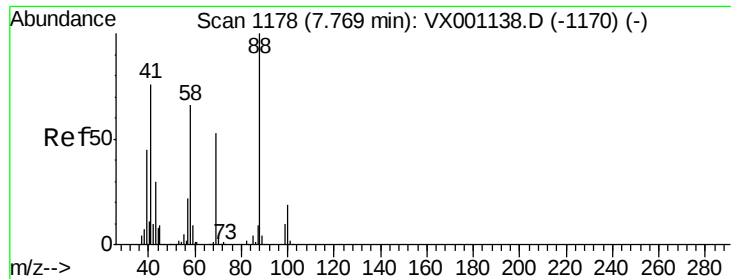
Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Tgt Ion:	41	Resp:	171875
Ion Ratio	Lower	Upper	
41	100		
69	78.4	62.4	93.6
39	61.5	48.7	73.1





#49

1,4-Dioxane

Concen: 771.48 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.01 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

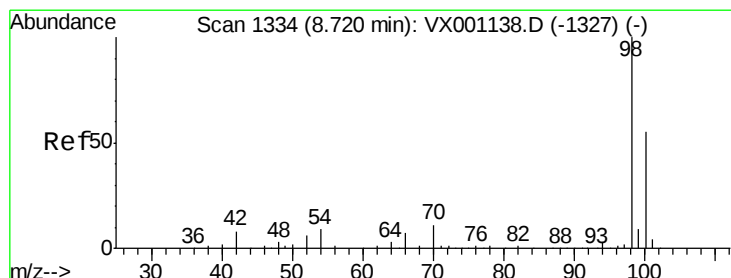
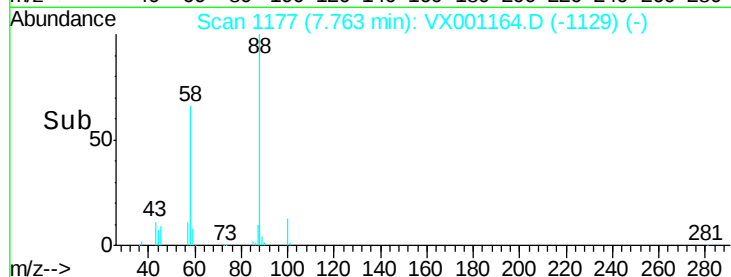
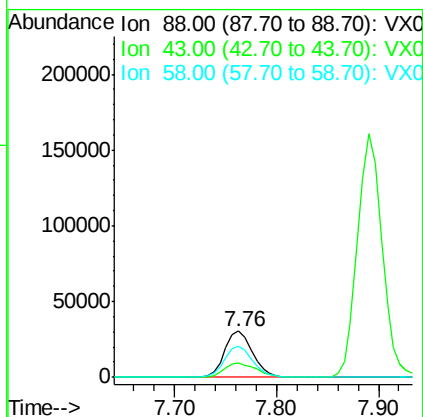
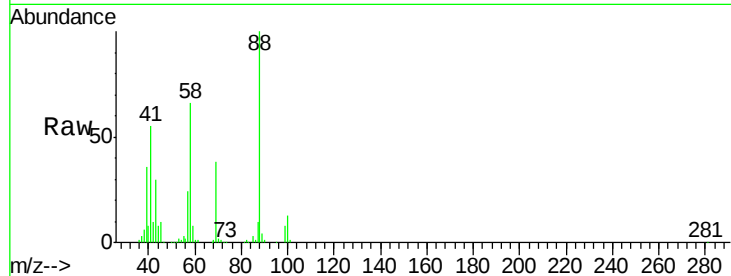
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	58036
Ion	Ratio	Lower	Upper
88	100		
43	35.6	27.3	40.9
58	68.3	54.2	81.4

Manual Integrations
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#50

Toluene-d8

Concen: 50.47 ug/l

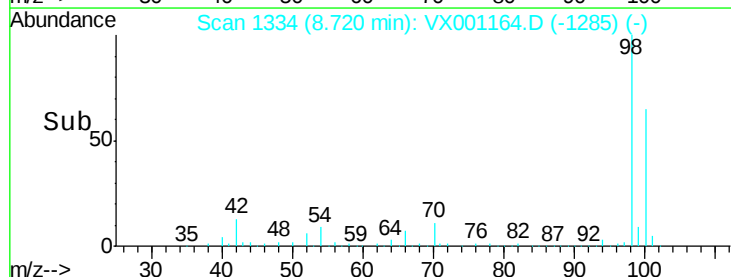
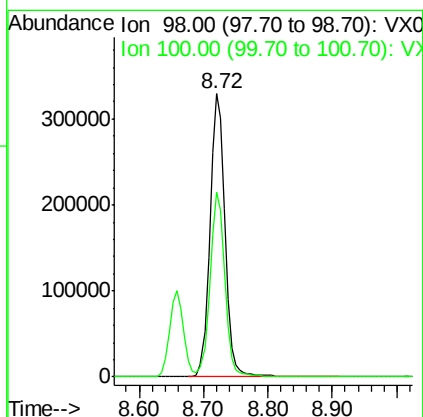
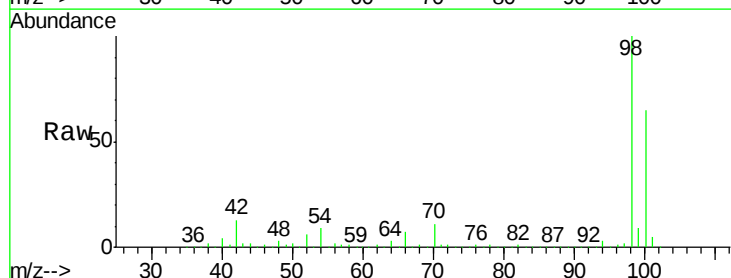
RT: 8.72 min Scan# 1334

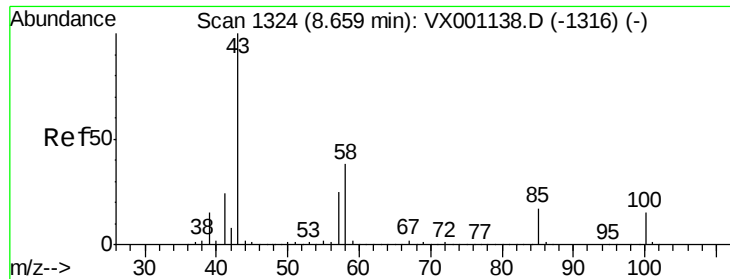
Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Tgt Ion:	98	Resp:	537726
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.8	77.6





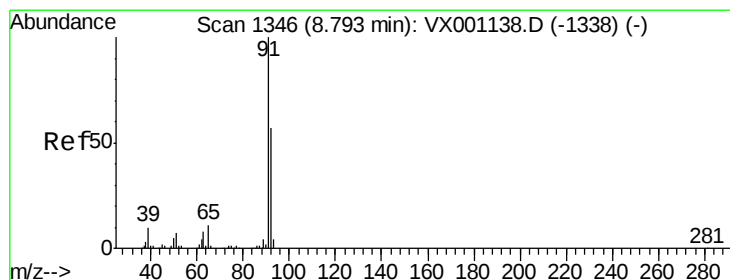
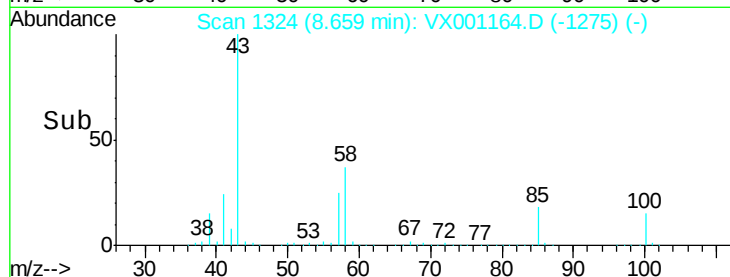
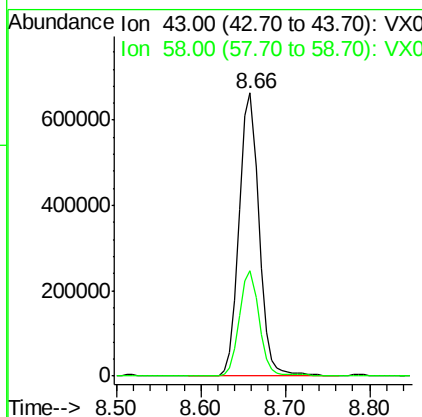
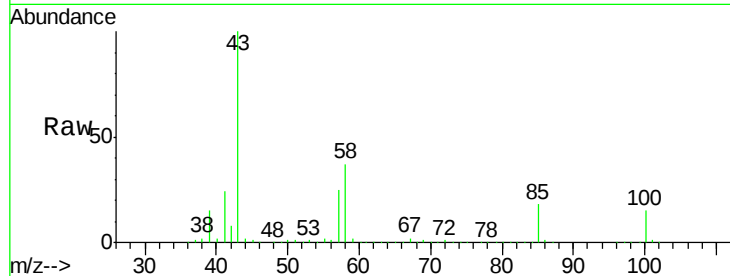
#51
4-Methyl-2-Pentanone
Concen: 226.96 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1053855
Ion Ratio Lower Upper
43 100
58 36.5 30.2 45.2

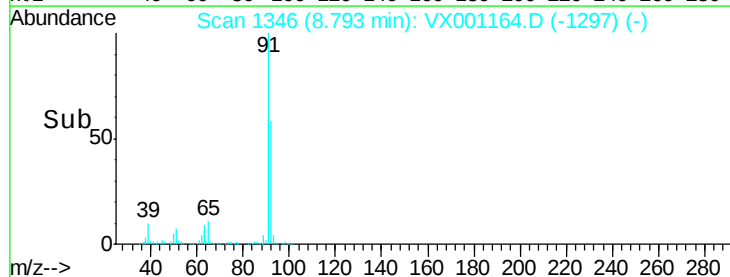
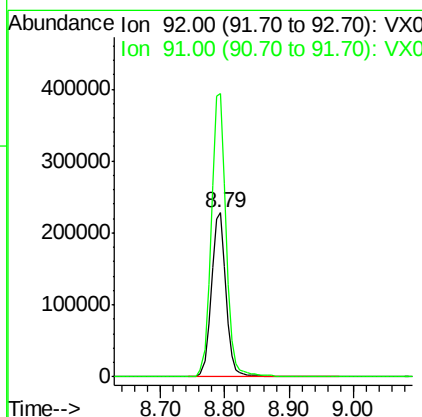
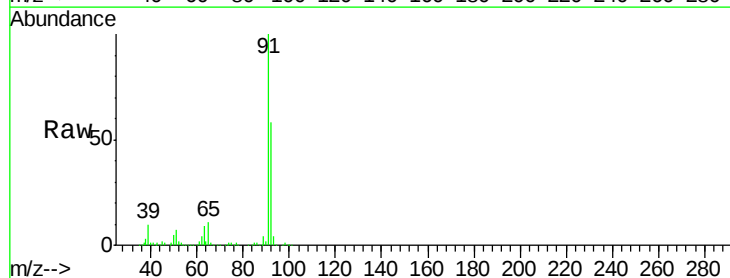
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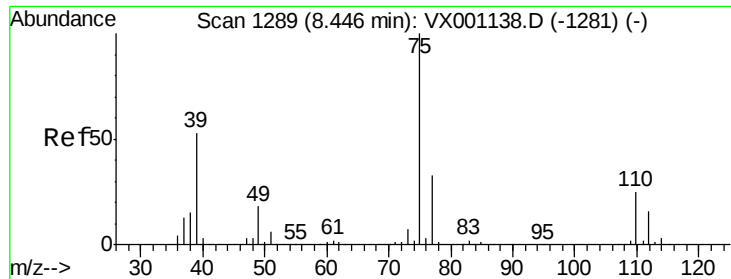
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#52
Toluene
Concen: 51.15 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Tgt Ion: 92 Resp: 363649
Ion Ratio Lower Upper
92 100
91 175.3 139.8 209.6





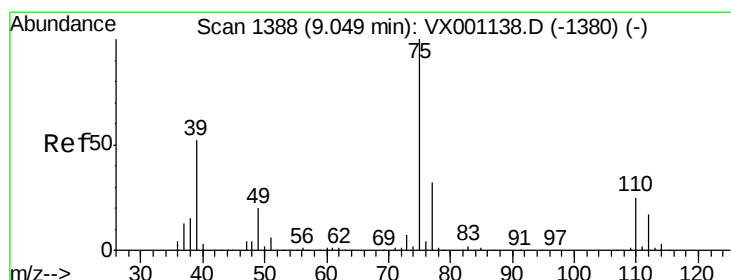
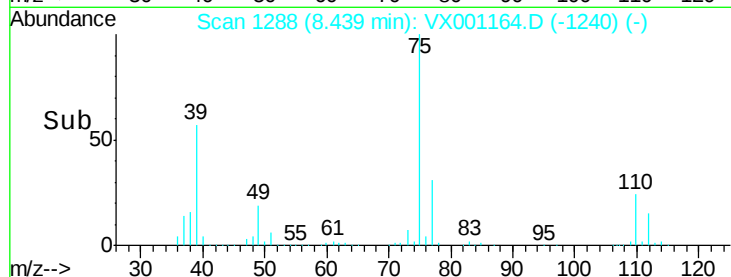
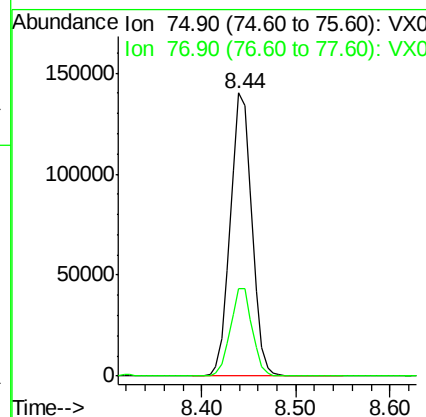
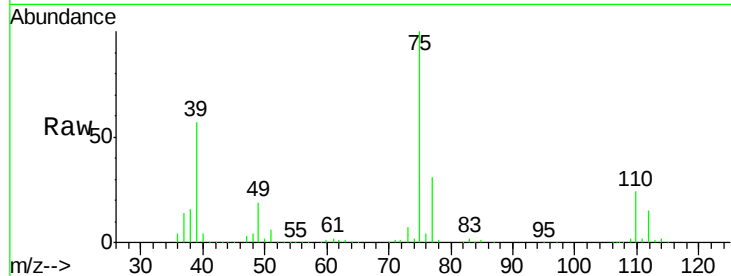
#53
t-1,3-Dichloropropene
Concen: 53.29 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.2	39.4

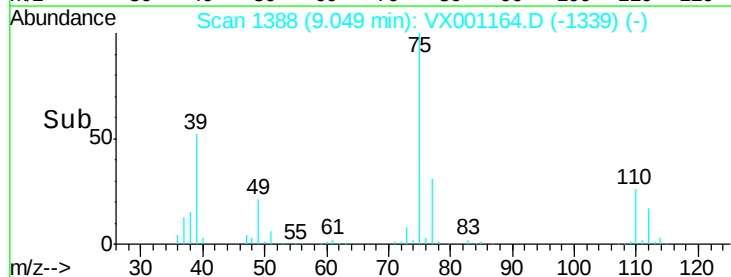
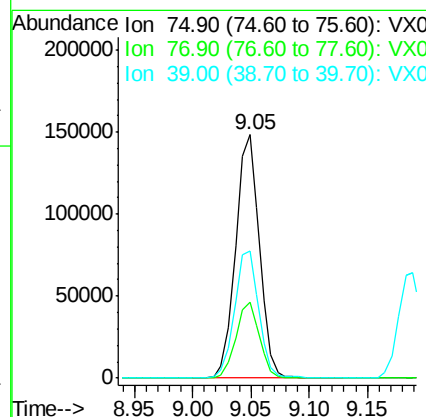
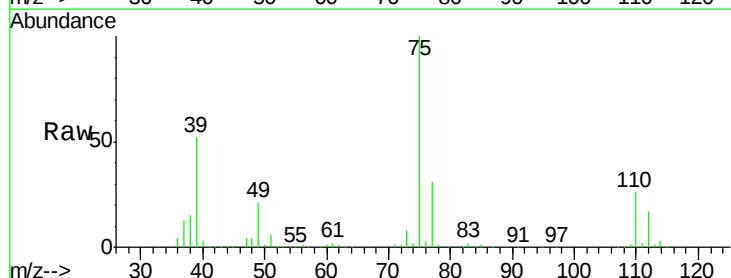
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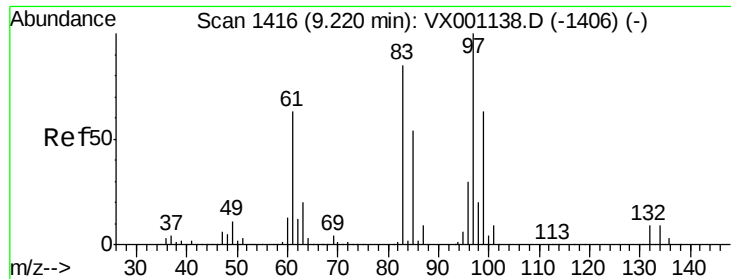
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 46.65 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2
39	52.0	42.0	63.0





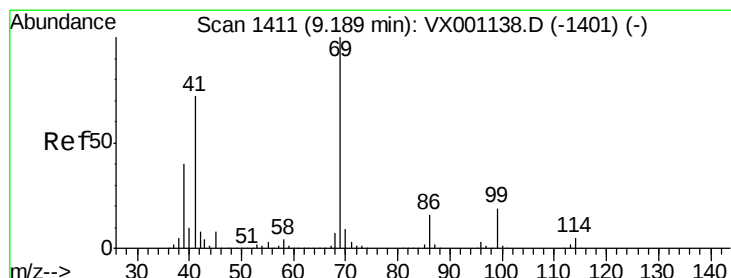
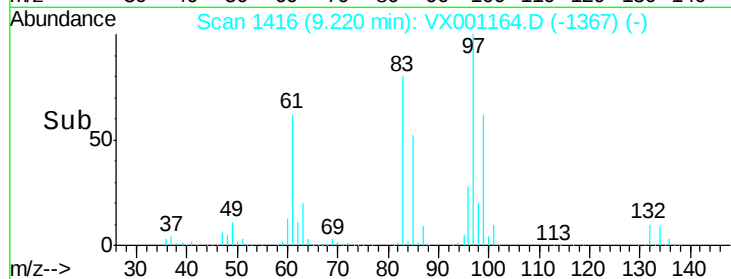
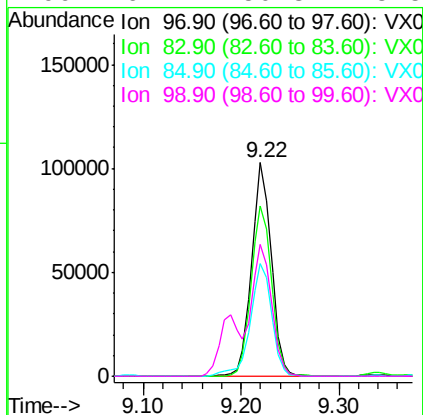
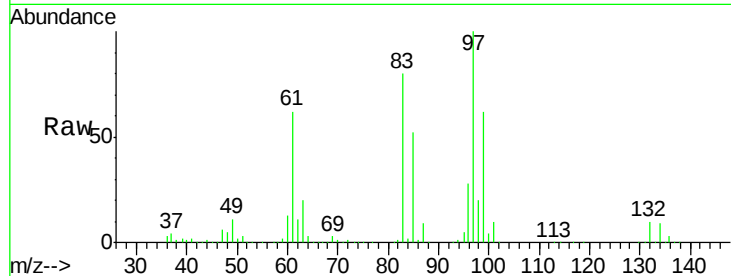
#55
 1,1,2-Trichloroethane
 Concen: 48.00 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001164.D
 Acq: 27 Apr 2018 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	144395
Ion	Ratio	Lower	Upper
97	100		
83	79.8	68.0	102.0
85	52.5	42.9	64.3
99	61.7	50.3	75.5

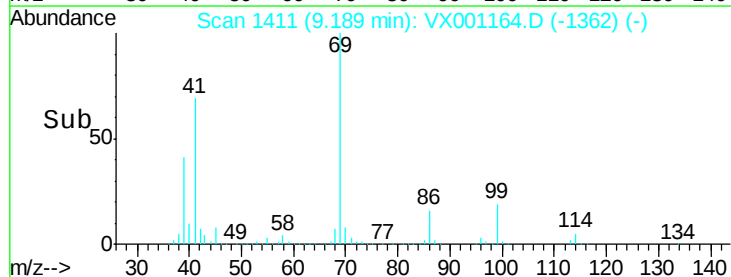
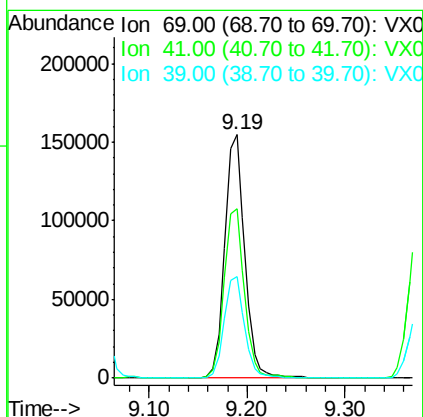
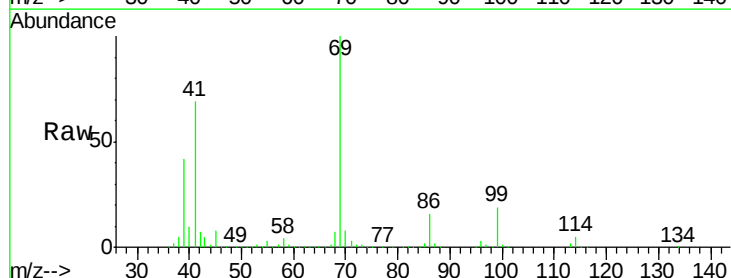
Manual Integrations
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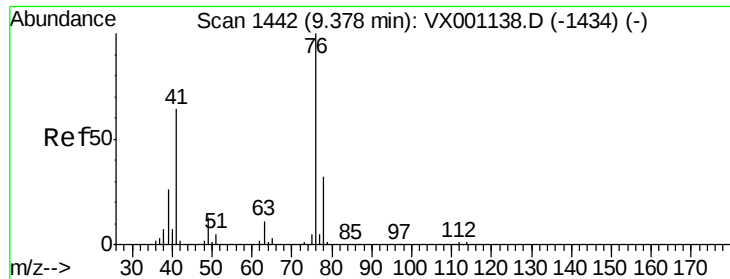
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 49.30 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001164.D
 Acq: 27 Apr 2018 12:05

Tgt Ion:	69	Resp:	219737
Ion	Ratio	Lower	Upper
69	100		
41	70.6	57.7	86.5
39	42.3	33.3	49.9





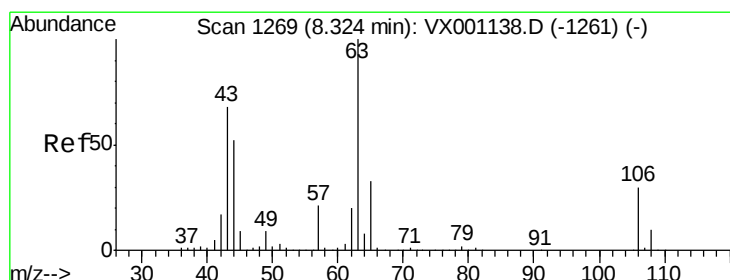
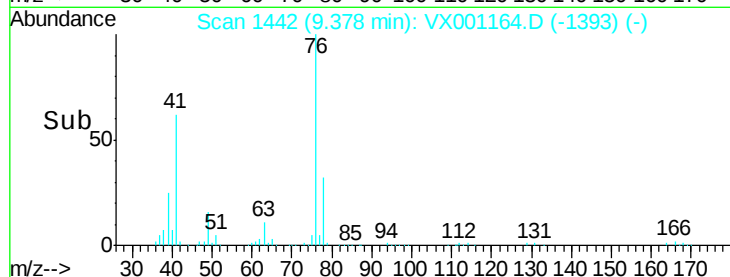
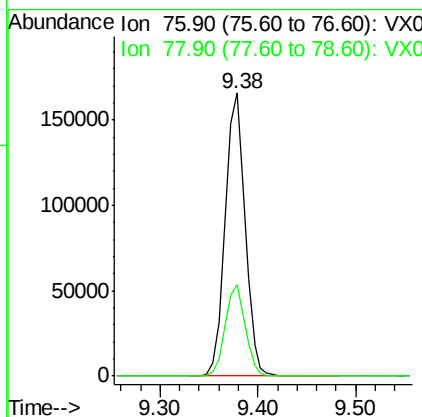
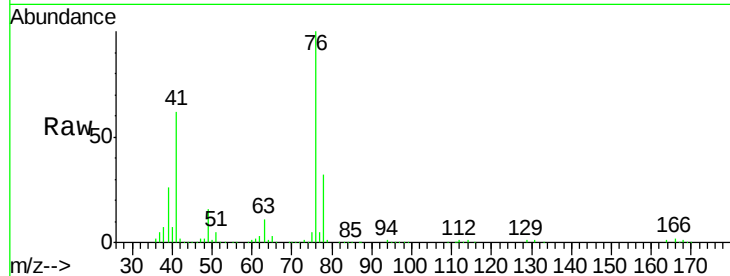
#57
 1,3-Dichloropropane
 Concen: 48.26 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX001164.D
 Acq: 27 Apr 2018 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.1	39.1

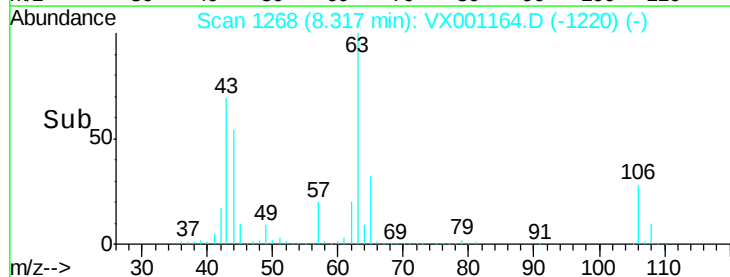
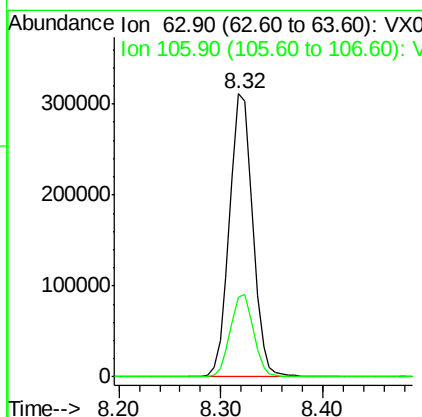
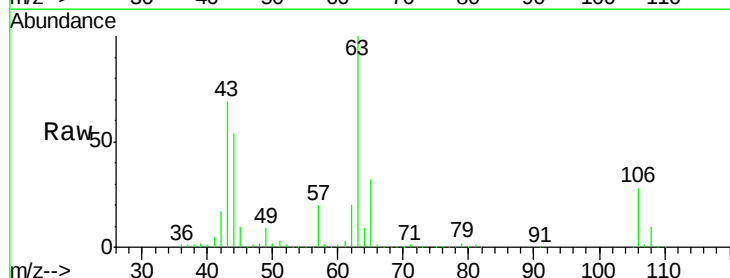
Manual Integrations
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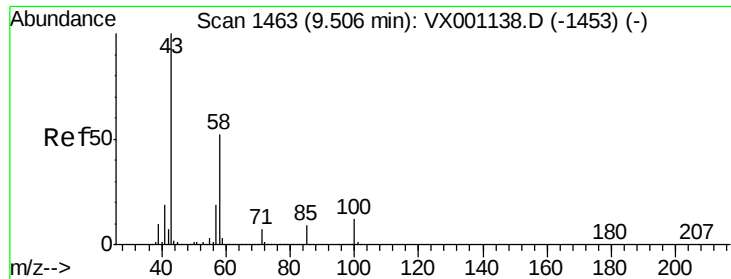
MMDadoda
 4/30/2018 6:04:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.78 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001164.D
 Acq: 27 Apr 2018 12:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	23.7	35.5





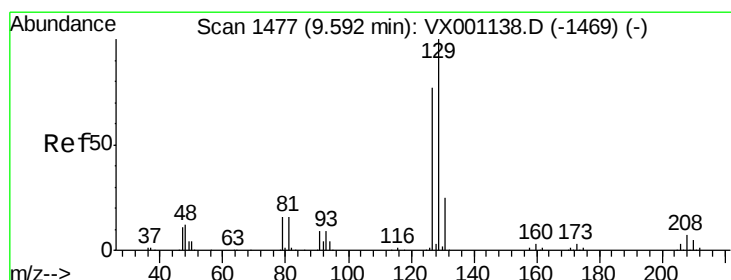
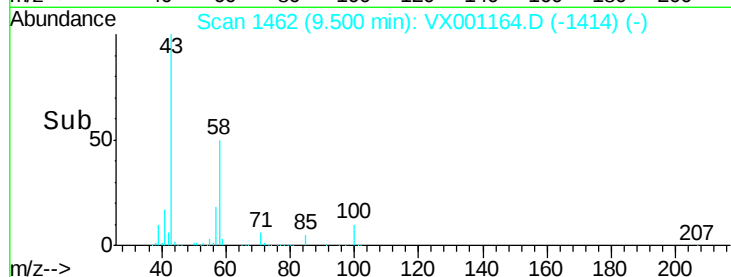
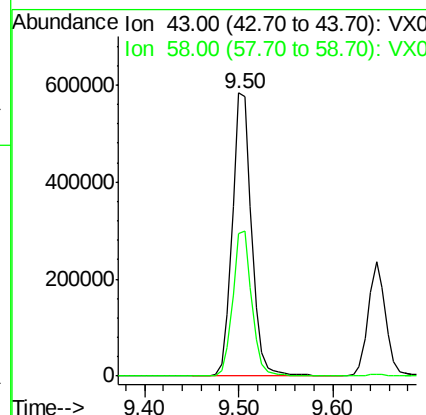
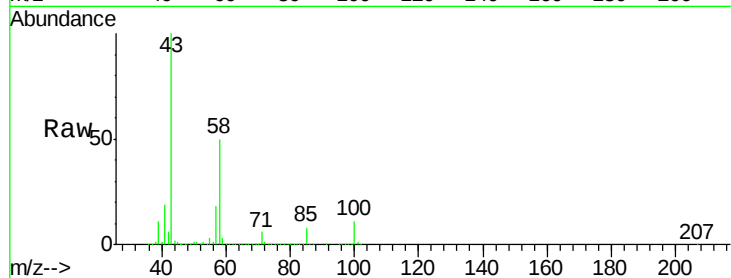
#59
2-Hexanone
Concen: 227.36 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 827190
Ion Ratio Lower Upper
43 100
58 50.8 25.8 77.4

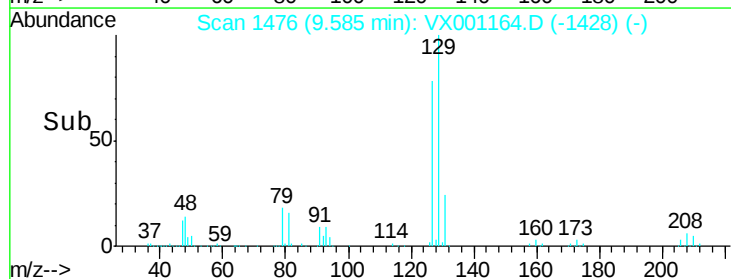
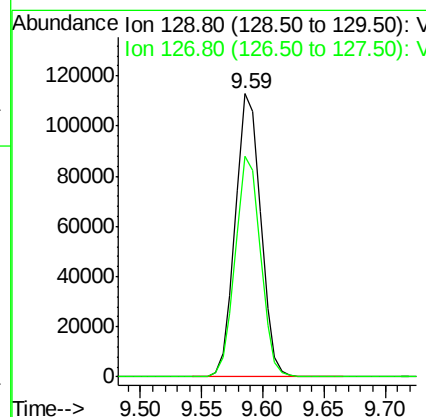
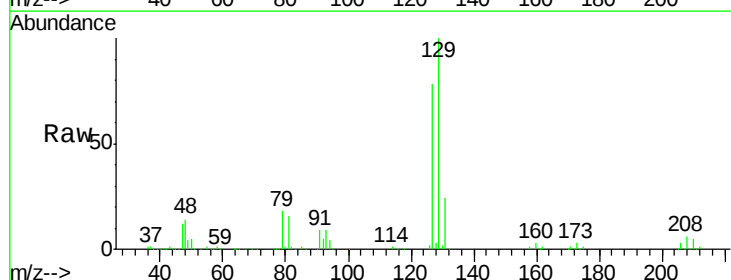
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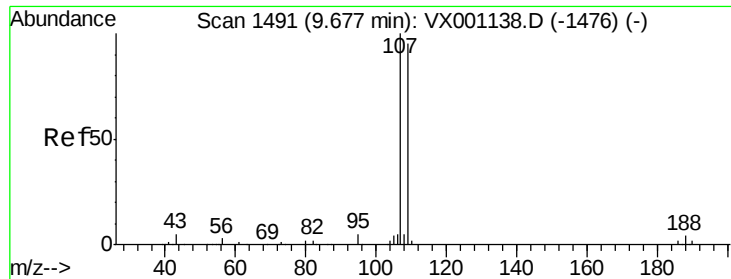
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#60
Dibromochloromethane
Concen: 46.23 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Tgt Ion: 129 Resp: 161499
Ion Ratio Lower Upper
129 100
127 77.5 38.4 115.2





#61

1,2-Dibromoethane

Concen: 49.81 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 156963

Ion Ratio Lower Upper

107 100

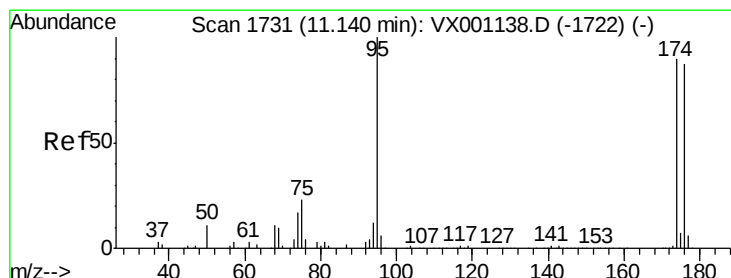
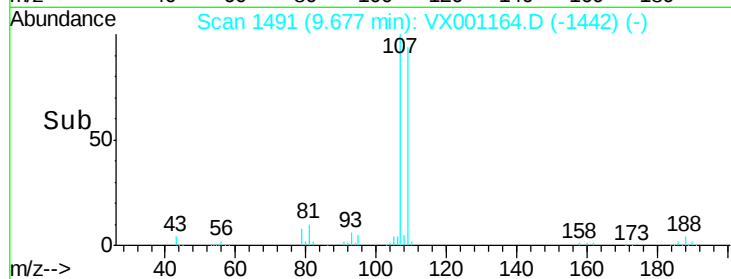
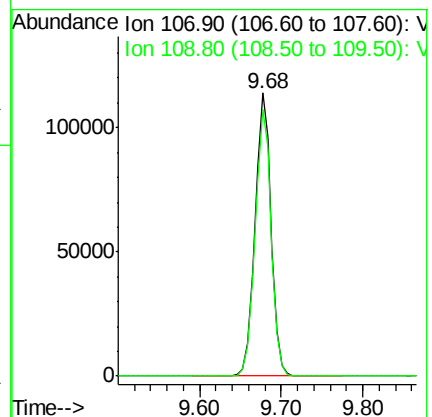
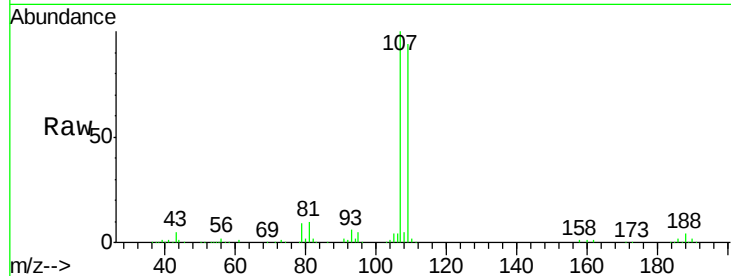
109 94.6 75.2 112.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 52.00 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

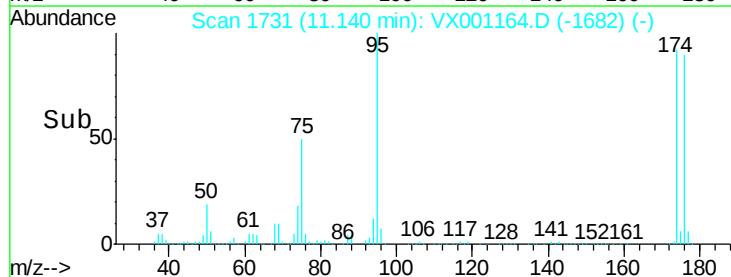
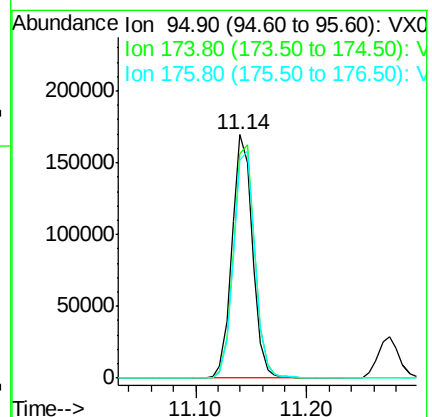
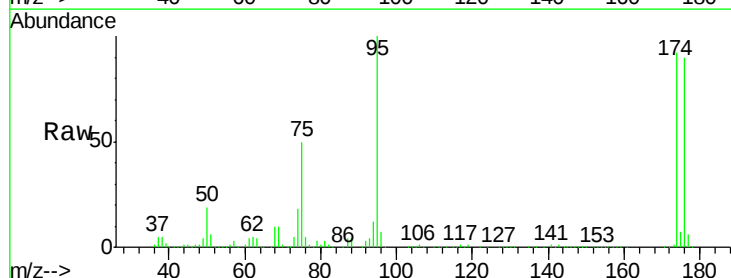
Tgt Ion: 95 Resp: 216412

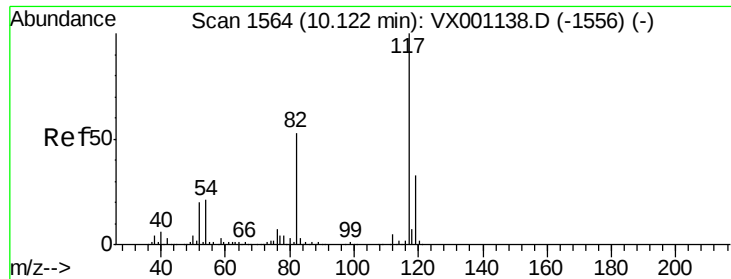
Ion Ratio Lower Upper

95 100

174 99.5 0.0 194.4

176 96.6 0.0 190.2





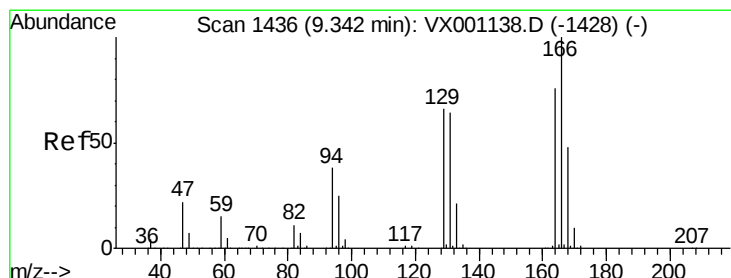
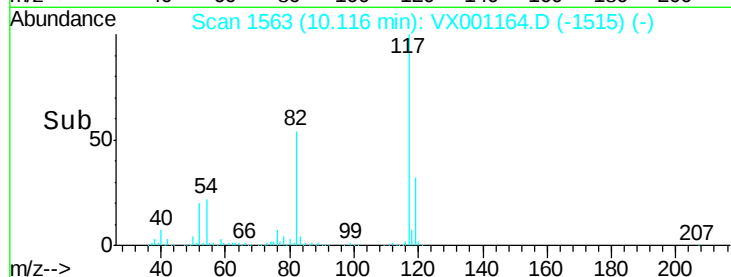
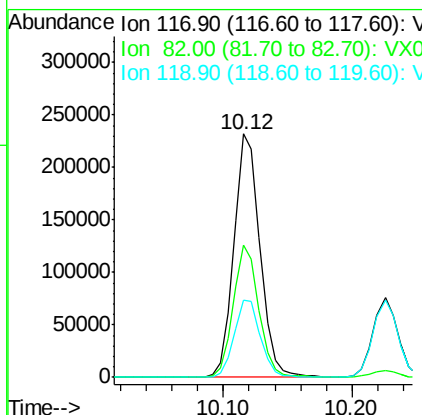
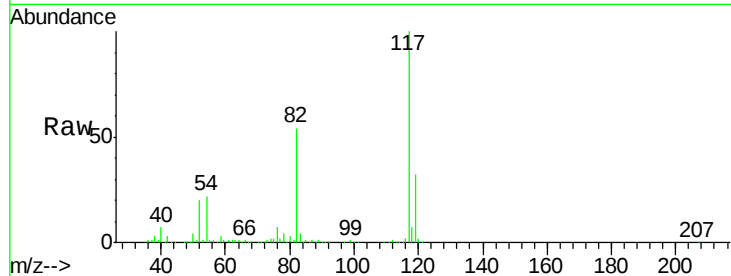
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	327339		
82	54.1		42.1	63.1
119	31.7		26.1	39.1

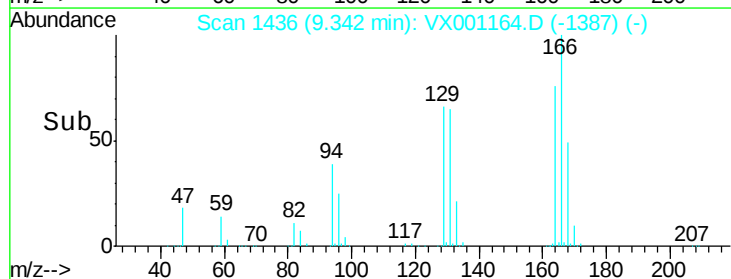
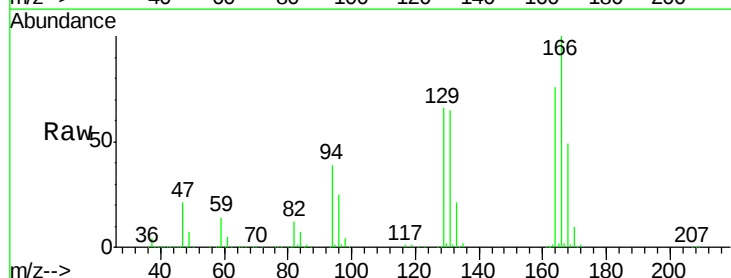
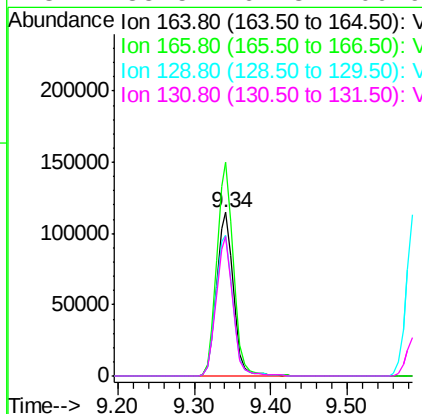
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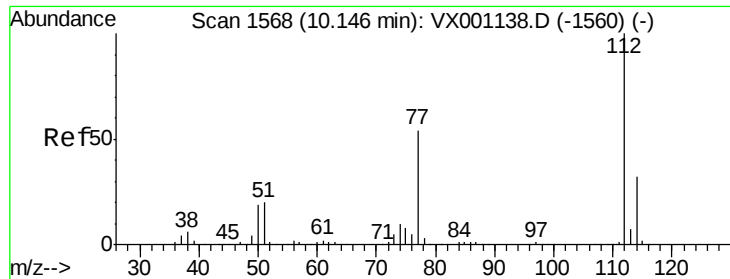
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#64
Tetrachloroethene
Concen: 50.00 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	174709		
166	130.8		105.0	157.6
129	86.2		69.4	104.2
131	85.5		67.3	100.9





#65

Chlorobenzene

Concen: 49.57 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 425158

Ion Ratio Lower Upper

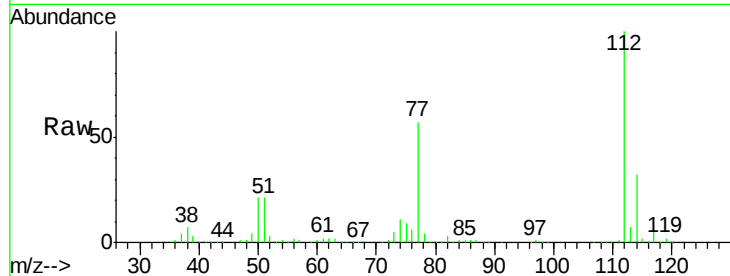
112 100

114 32.0 25.7 38.5

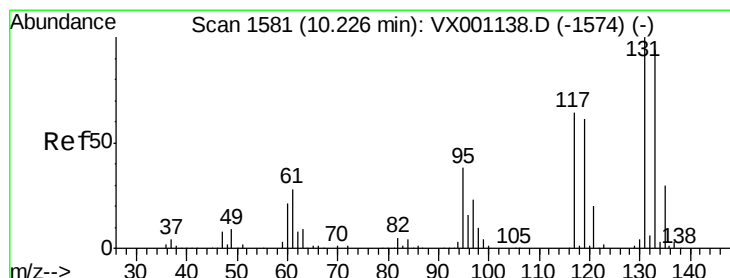
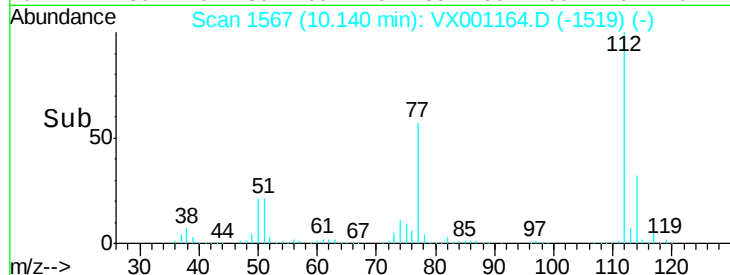
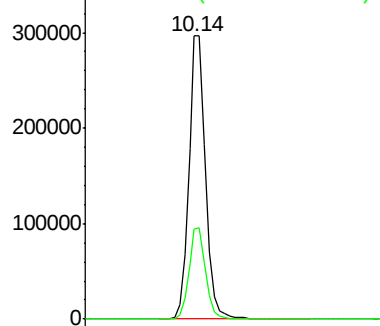
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Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.24 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

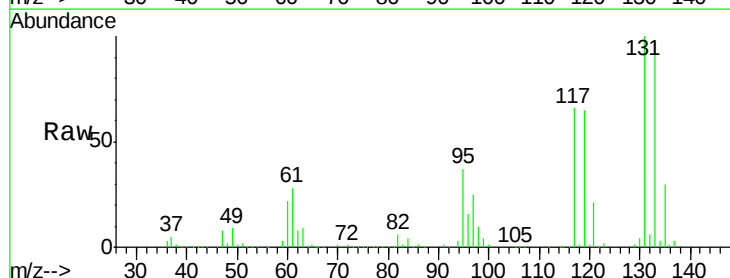
Tgt Ion:131 Resp: 154997

Ion Ratio Lower Upper

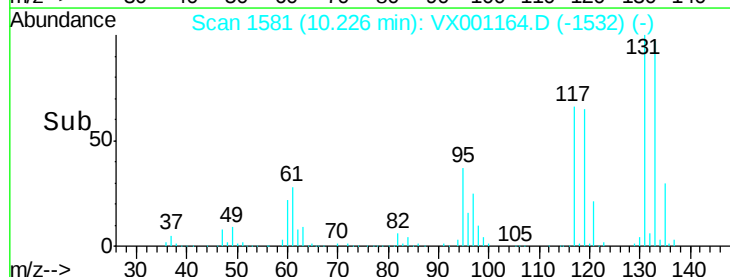
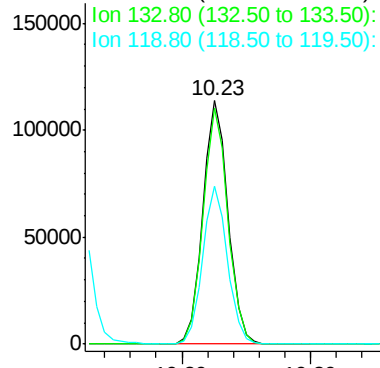
131 100

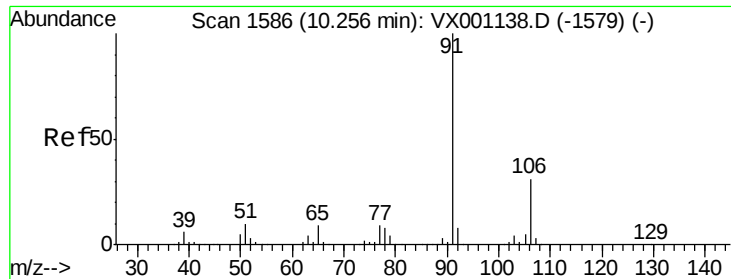
133 95.9 47.8 143.4

119 64.1 31.3 93.8



Abundance Ion 130.80 (130.50 to 131.50): V





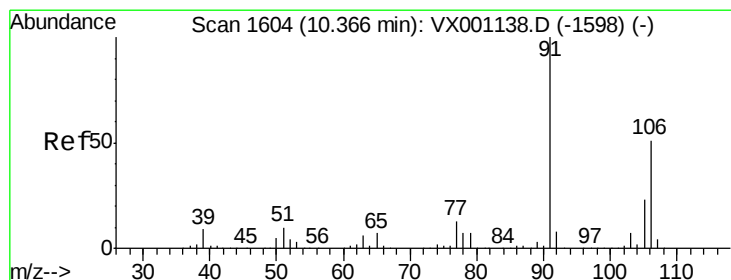
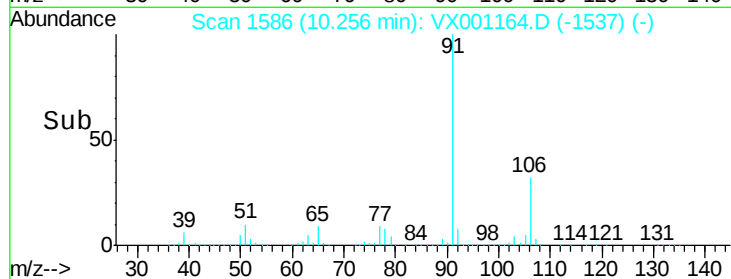
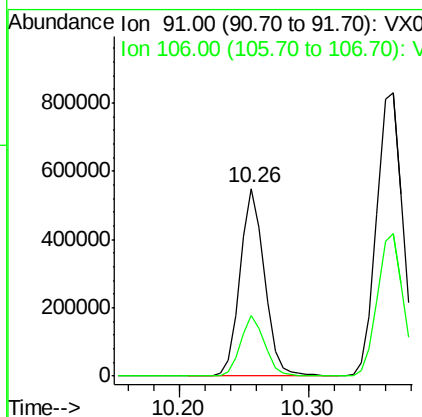
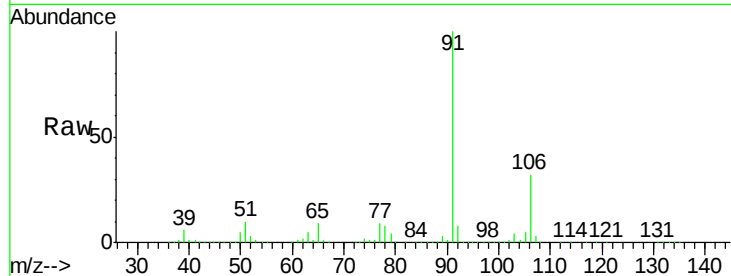
#67
Ethyl Benzene
Concen: 51.86 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 722575
Ion Ratio Lower Upper
91 100
106 32.2 24.8 37.2

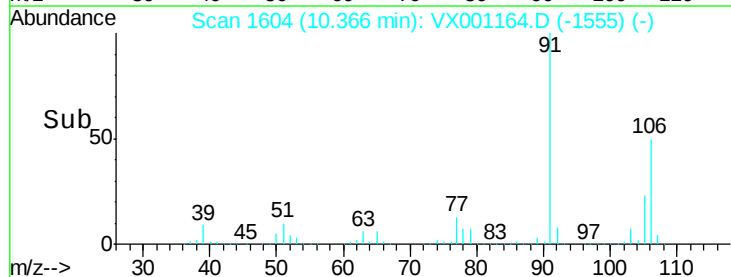
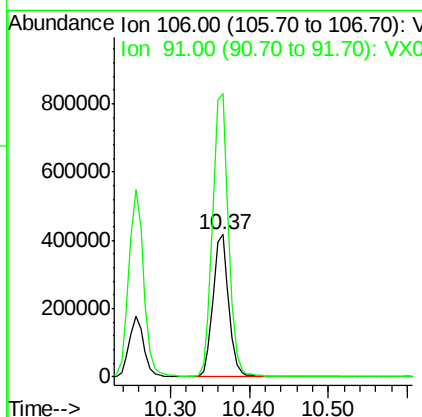
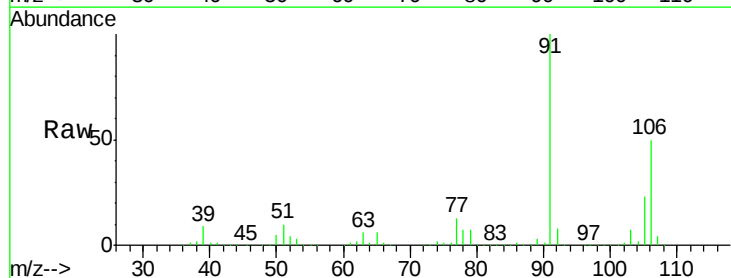
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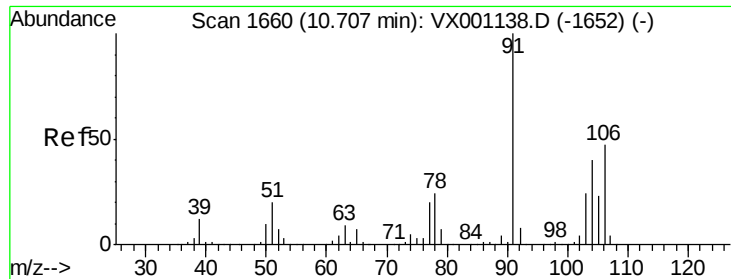
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#68
m/p-Xylenes
Concen: 105.06 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Tgt Ion: 106 Resp: 578754
Ion Ratio Lower Upper
106 100
91 202.9 160.9 241.3





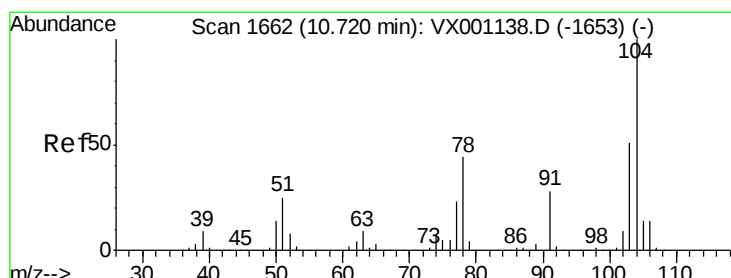
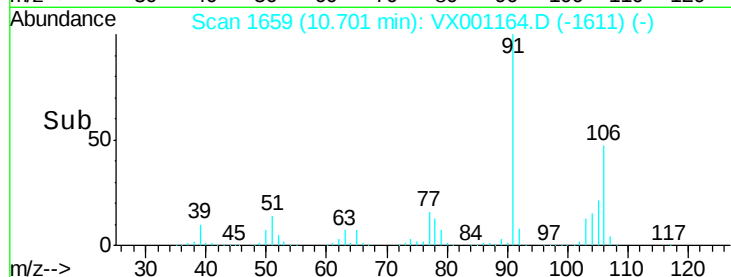
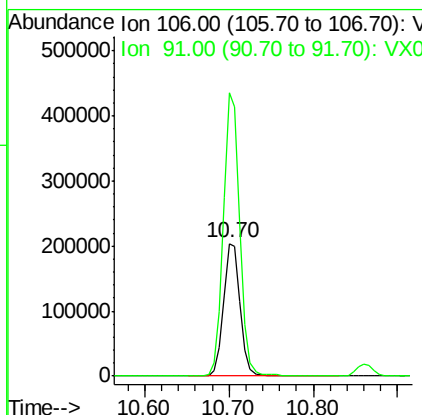
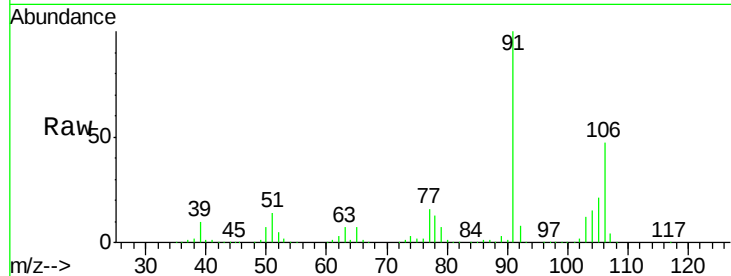
#69
o-Xylene
Concen: 51.94 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 277522
Ion Ratio Lower Upper
106 100
91 211.7 106.2 318.5

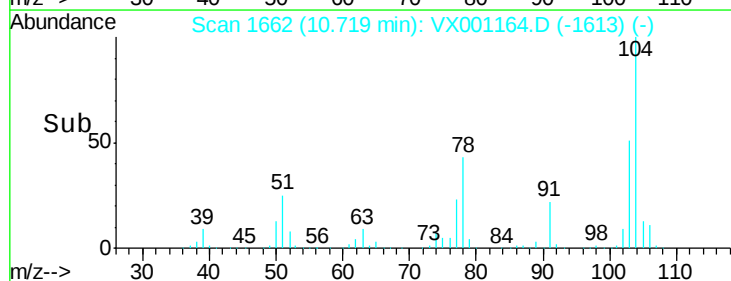
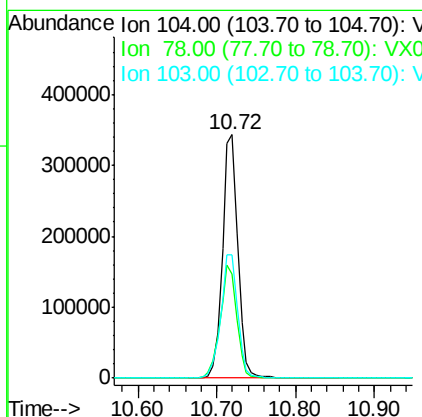
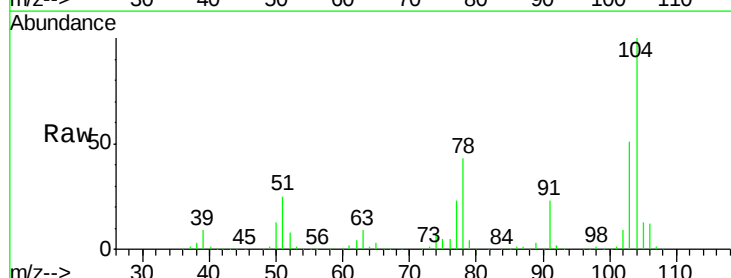
Manual Integrations
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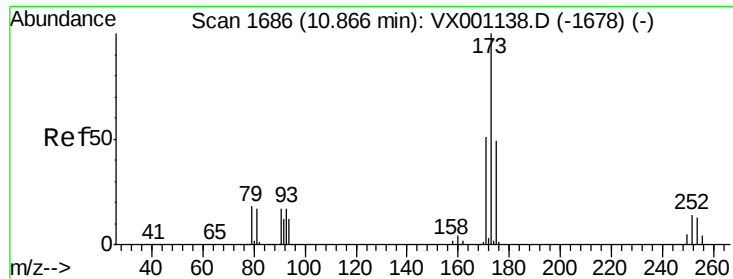
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#70
Styrene
Concen: 52.34 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Tgt Ion:104 Resp: 465392
Ion Ratio Lower Upper
104 100
78 50.2 40.3 60.5
103 55.9 44.3 66.5





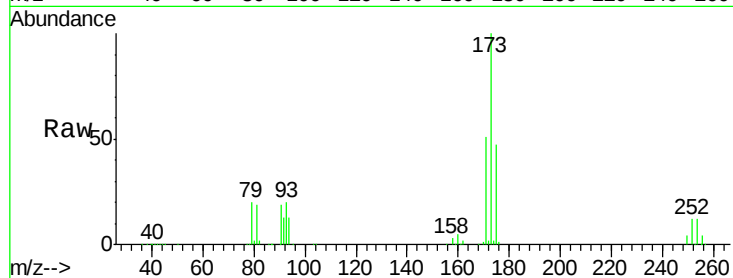
#71
Bromoform
Concen: 43.58 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

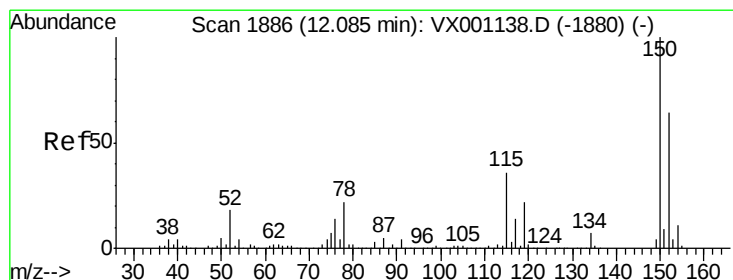
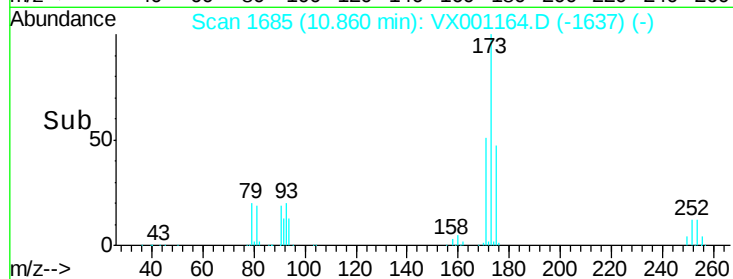
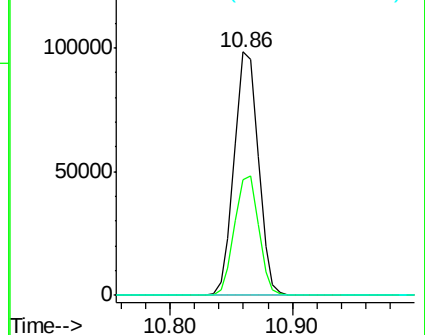
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.8
254	0.2	0.2	0.2

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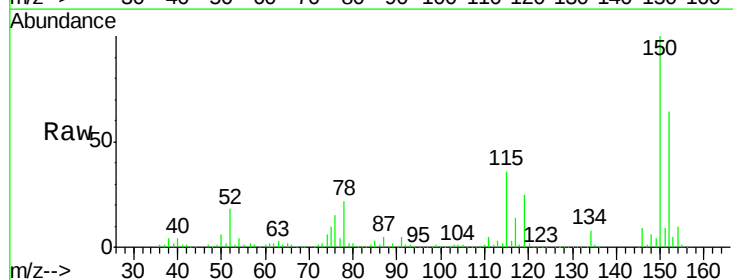


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

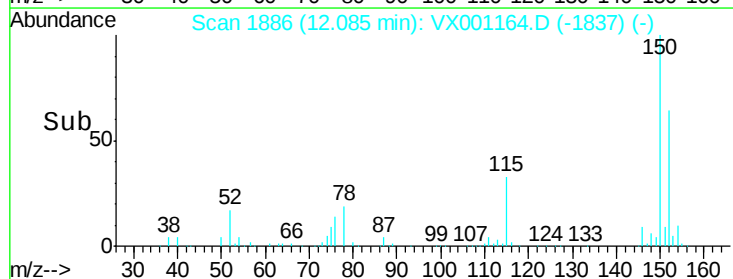
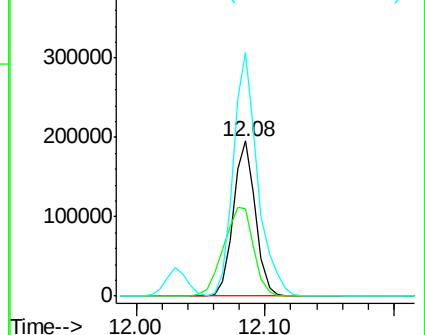


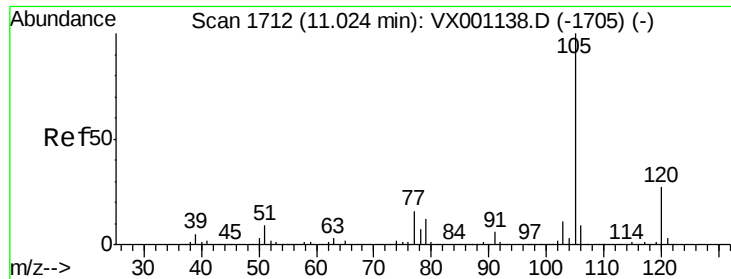
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.3	38.0	114.0
150	173.5	0.0	349.6



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





#73

Isopropylbenzene

Concen: 50.26 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 766131

Ion Ratio Lower Upper

105 100

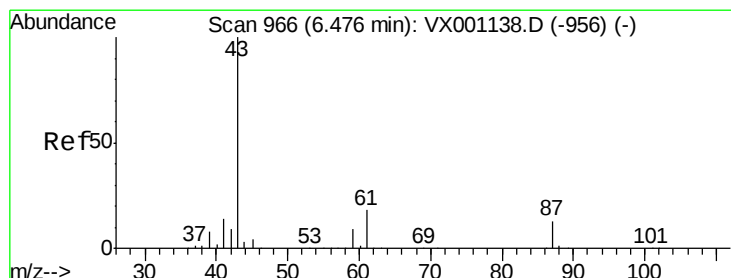
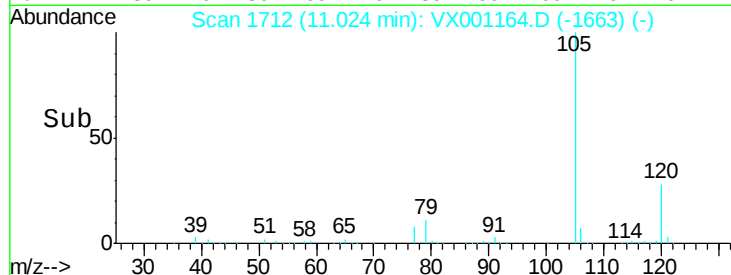
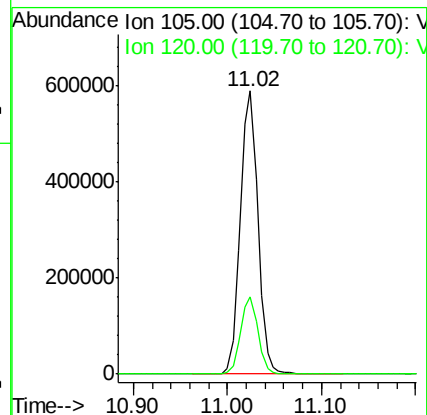
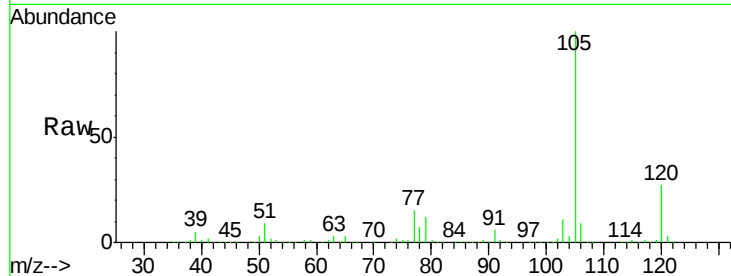
120 27.0 13.6 40.8

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#74

N-ethyl acetate

Concen: 42.39 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Tgt Ion: 43 Resp: 325653

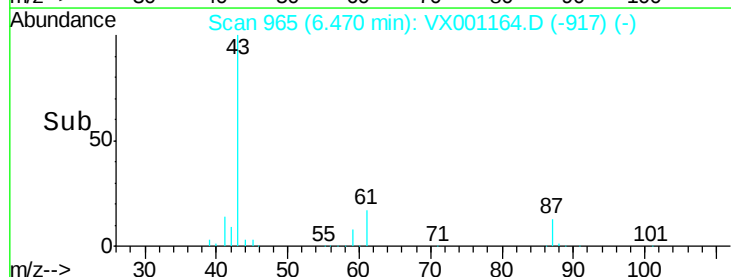
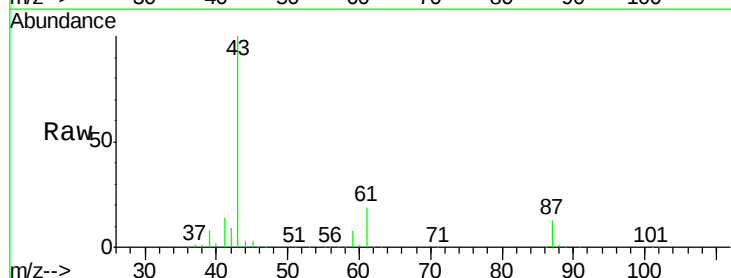
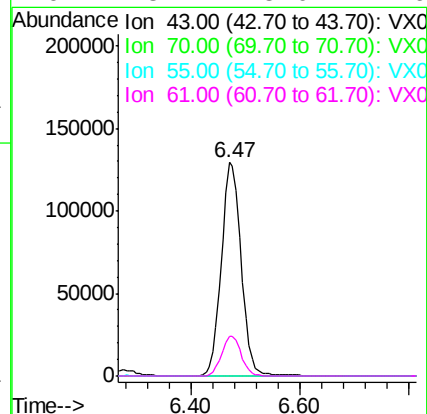
Ion Ratio Lower Upper

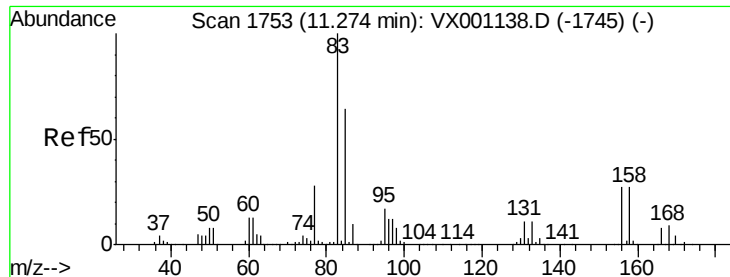
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 18.7 15.0 22.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.08 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

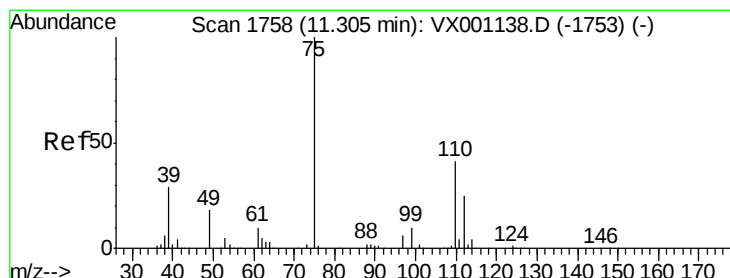
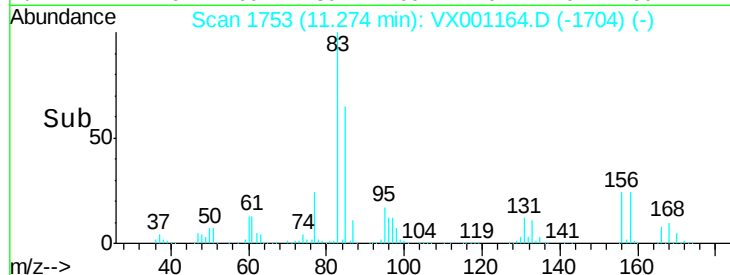
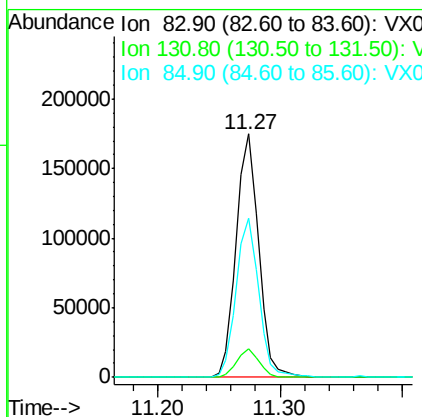
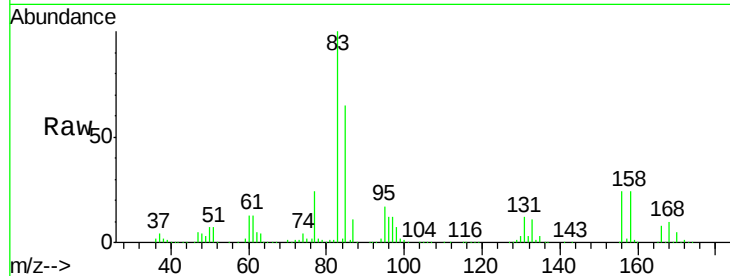
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	222939
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.4
85	65.4	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.35 ug/l m

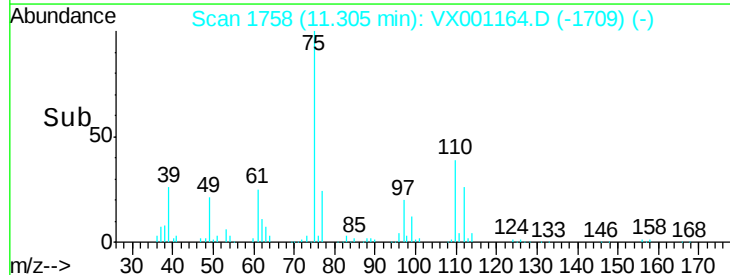
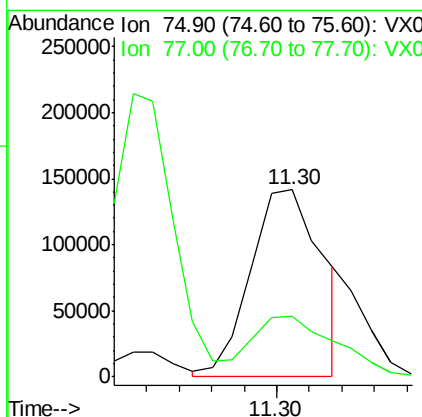
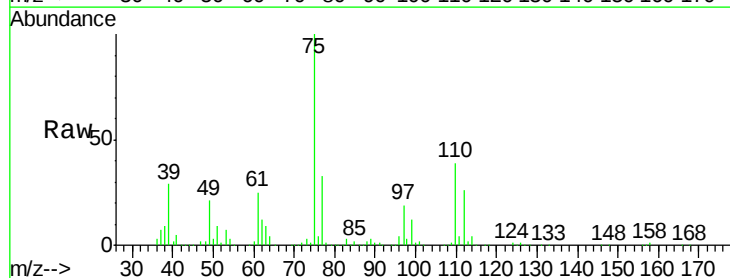
RT: 11.30 min Scan# 1758

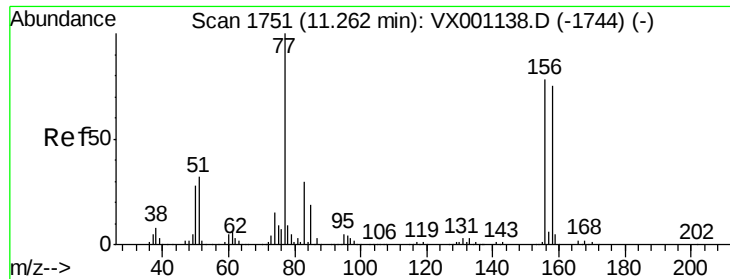
Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Tgt Ion:	75	Resp:	215983
Ion Ratio	Lower	Upper	
75	100		
77	37.1	18.9	56.9





#77

Bromobenzene

Concen: 47.71 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

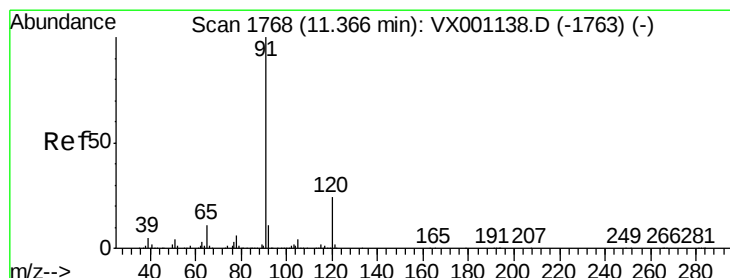
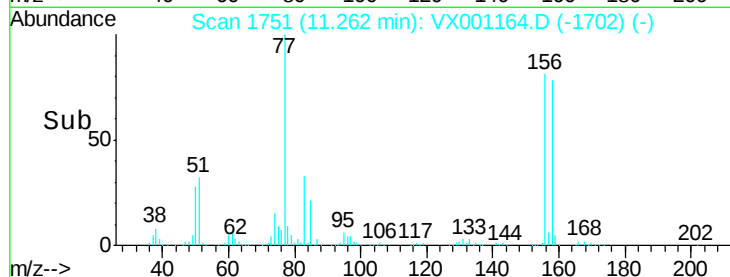
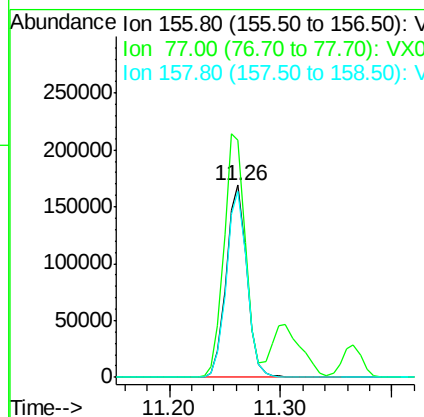
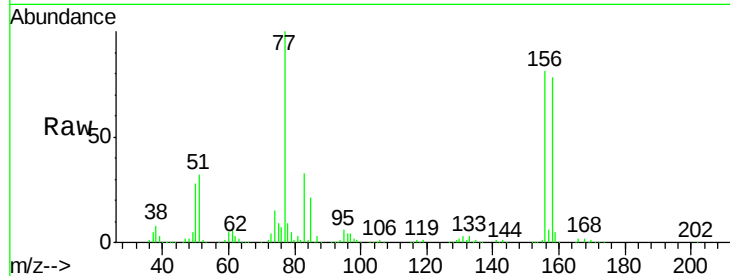
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		215667		
77	132.1	67.8	203.2		
158	97.5	48.9	146.7		

Manual Integrations
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#78

n-propylbenzene

Concen: 51.87 ug/l

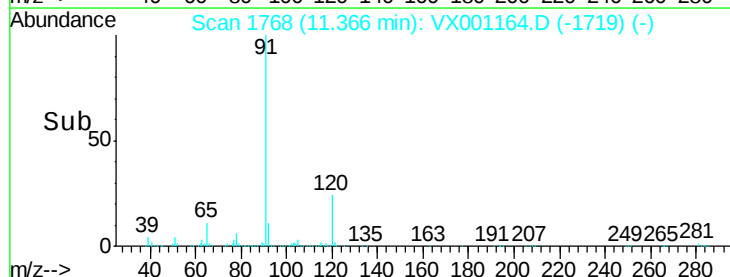
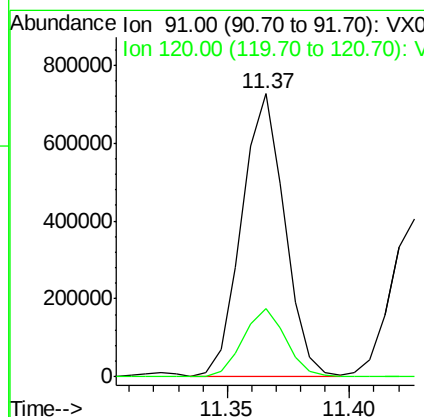
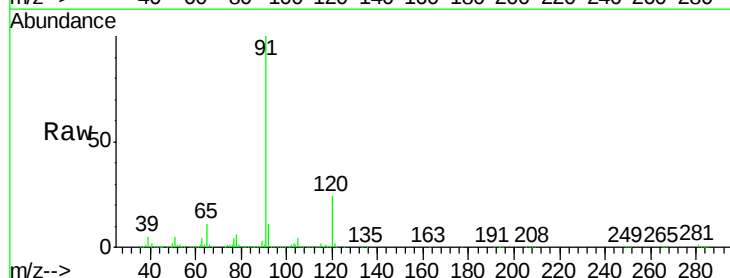
RT: 11.37 min Scan# 1768

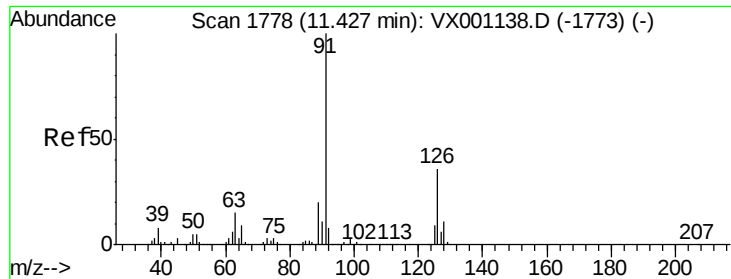
Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		881712		
120	24.4	12.2	36.6		





#79

2-Chlorotoluene

Concen: 48.58 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 511932

Ion Ratio Lower Upper

91 100

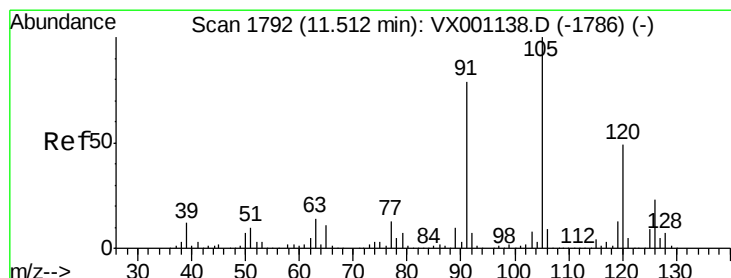
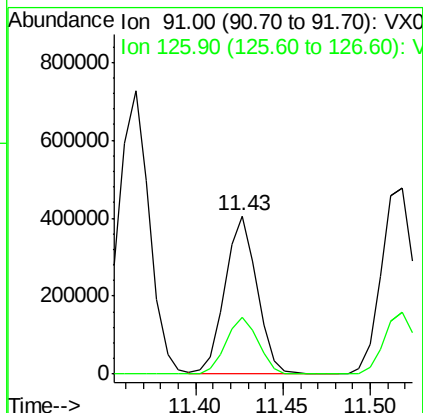
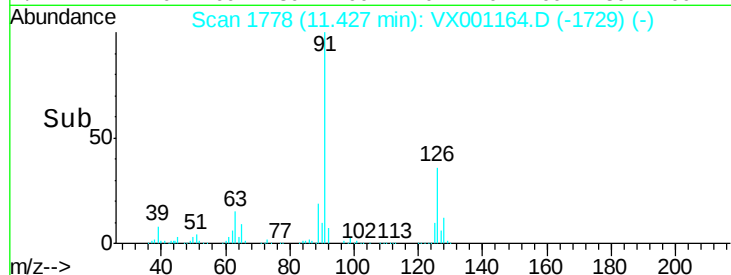
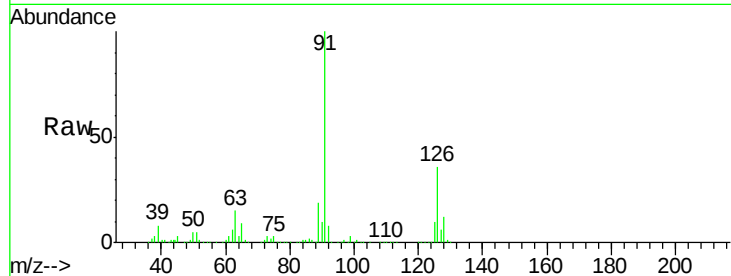
126 36.8 18.2 54.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.39 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001164.D

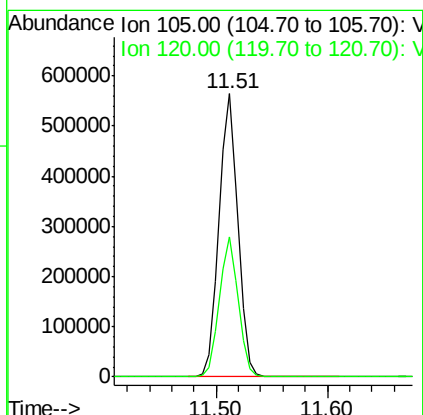
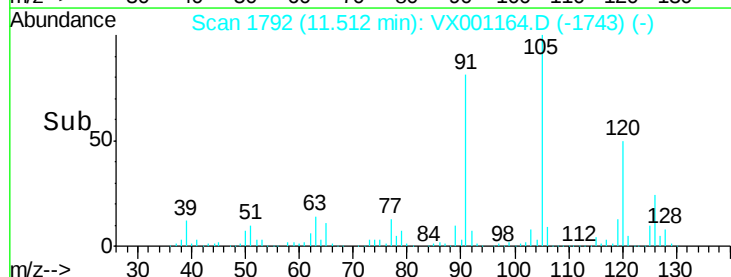
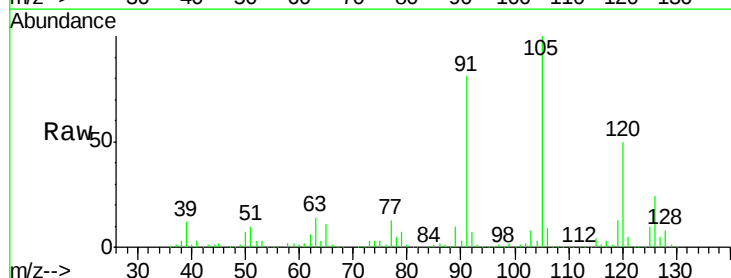
Acq: 27 Apr 2018 12:05

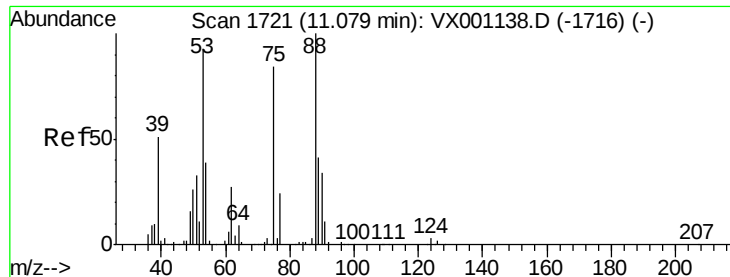
Tgt Ion:105 Resp: 663250

Ion Ratio Lower Upper

105 100

120 49.3 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 41.63 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 60914

Ion Ratio Lower Upper

75 100

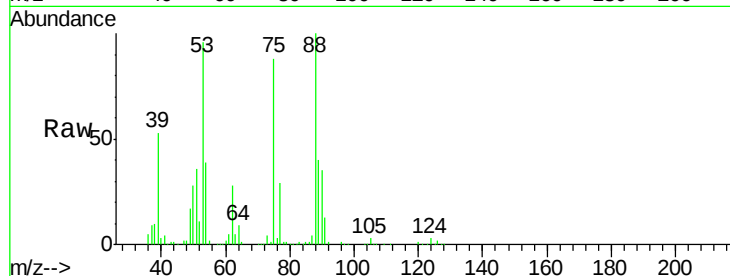
53 111.3 87.9 131.9

89 48.3 37.7 56.5

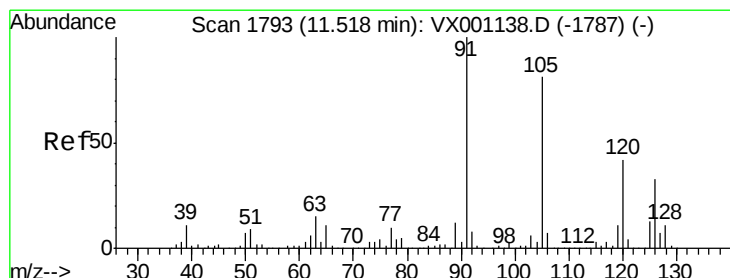
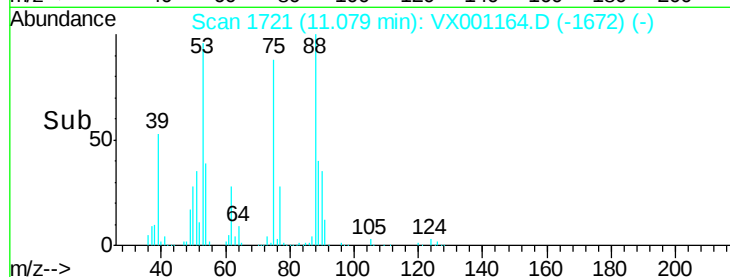
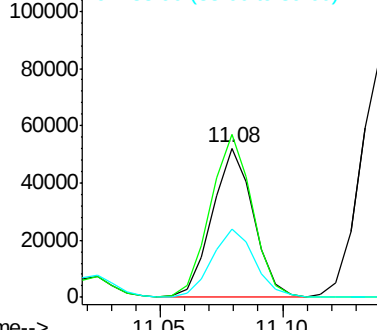
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 49.91 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX001164.D

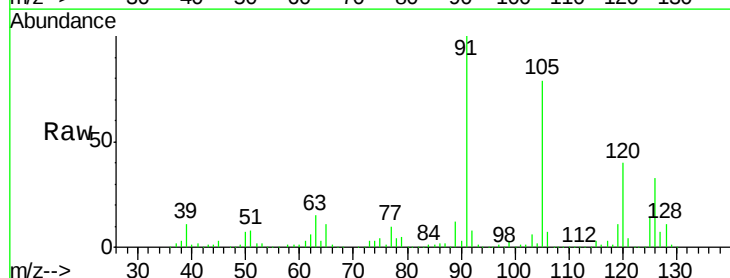
Acq: 27 Apr 2018 12:05

Tgt Ion: 91 Resp: 625149

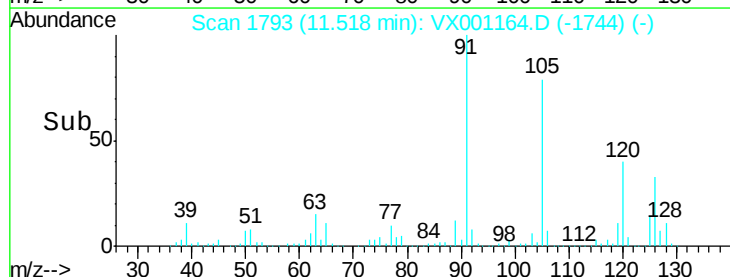
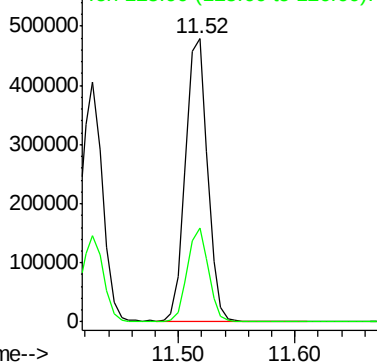
Ion Ratio Lower Upper

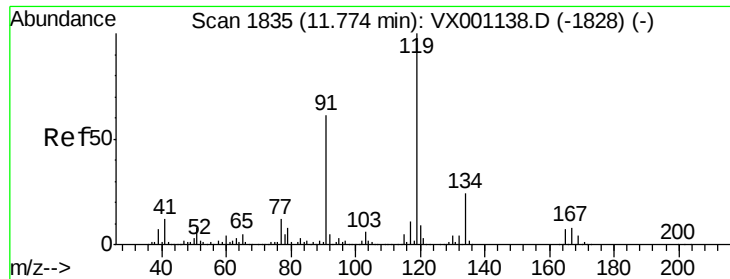
91 100

126 31.8 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.17 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

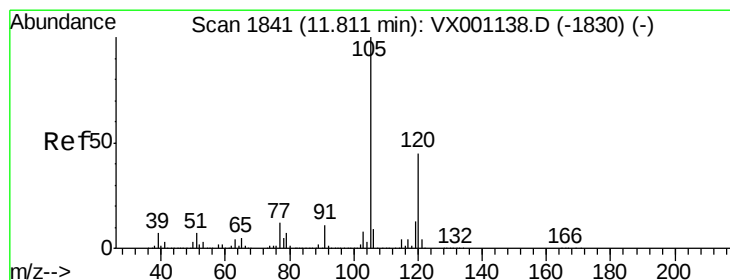
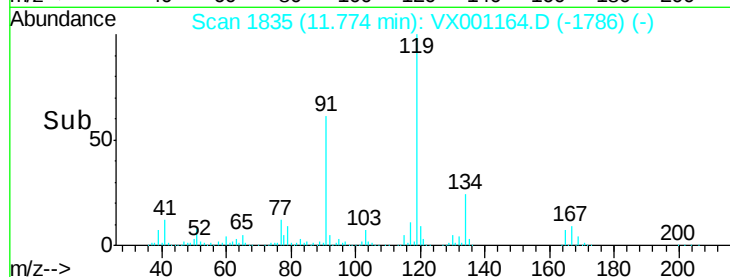
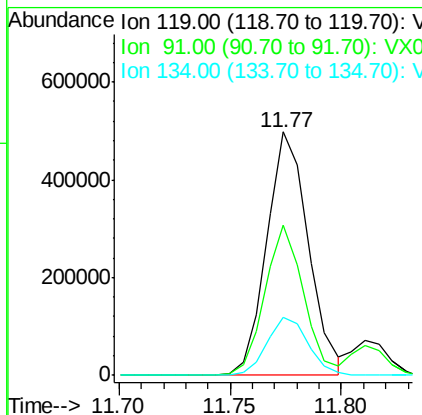
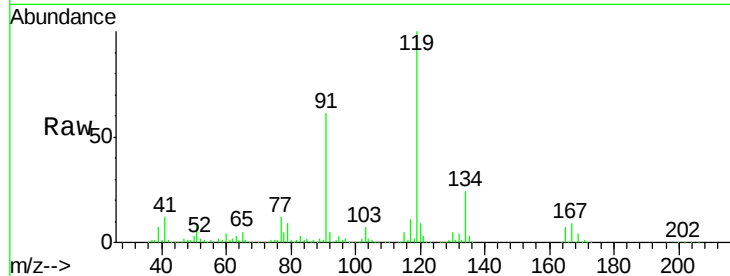
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	646215
Ion Ratio	Lower	Upper	
119	100		
91	57.7	27.6	82.8
134	23.8	11.5	34.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.79 ug/l

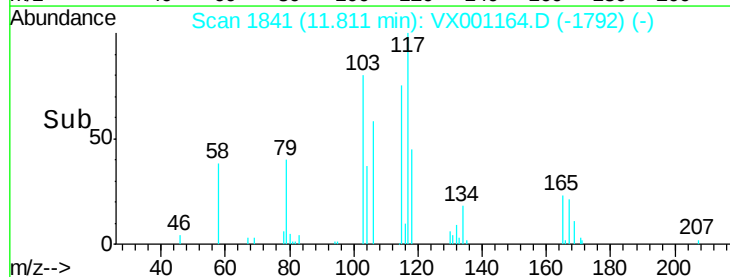
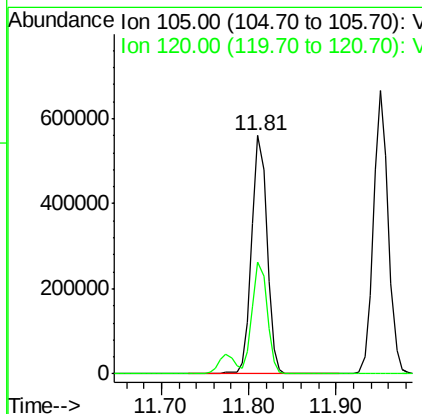
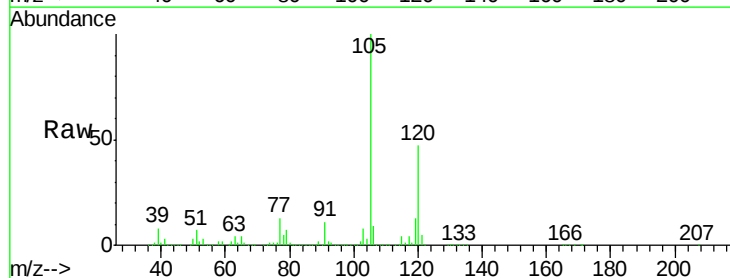
RT: 11.81 min Scan# 1841

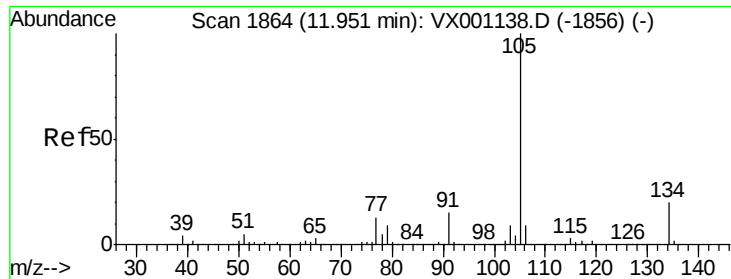
Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Tgt Ion:	105	Resp:	673802
Ion Ratio	Lower	Upper	
105	100		
120	45.8	22.4	67.3





#85

sec-Butylbenzene

Concen: 52.86 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 795361

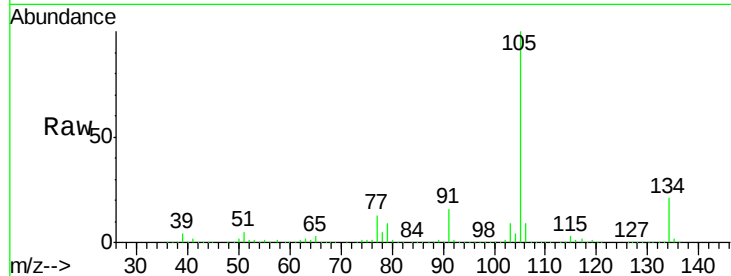
Ion Ratio Lower Upper

105 100

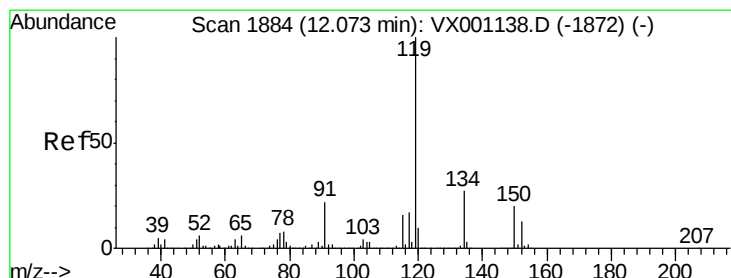
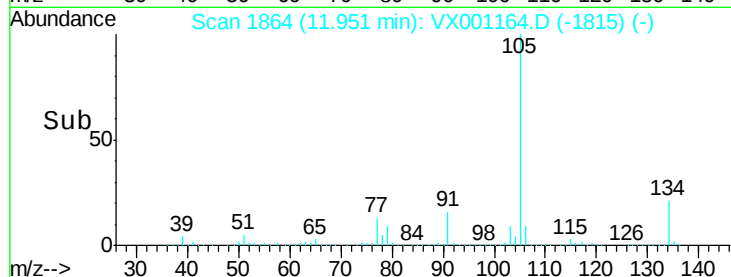
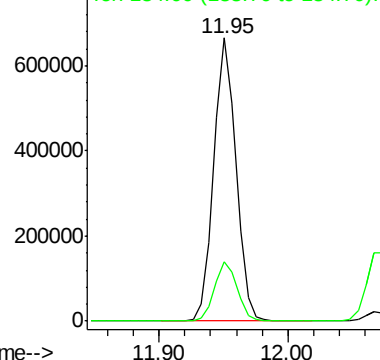
134 21.2 10.5 31.5

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.61 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

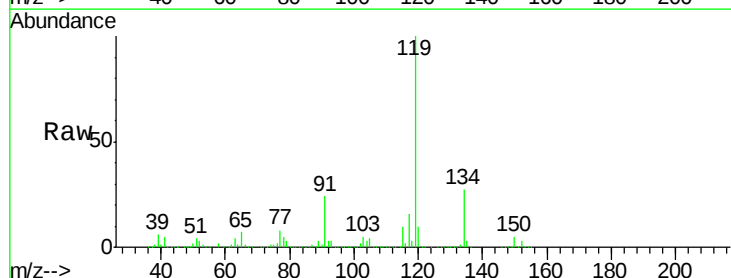
Tgt Ion:119 Resp: 736320

Ion Ratio Lower Upper

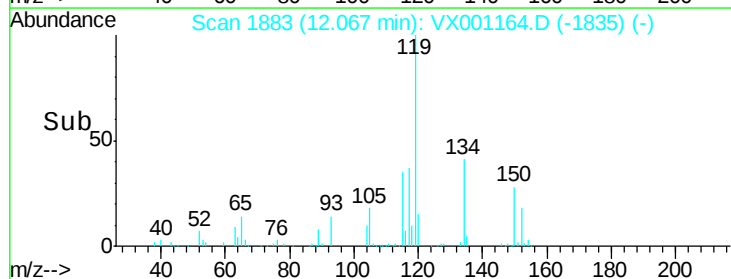
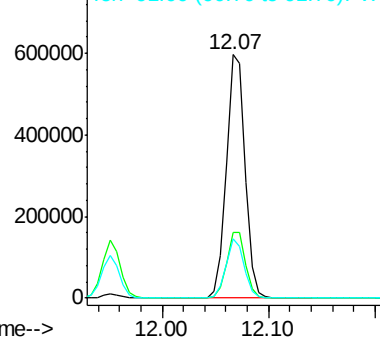
119 100

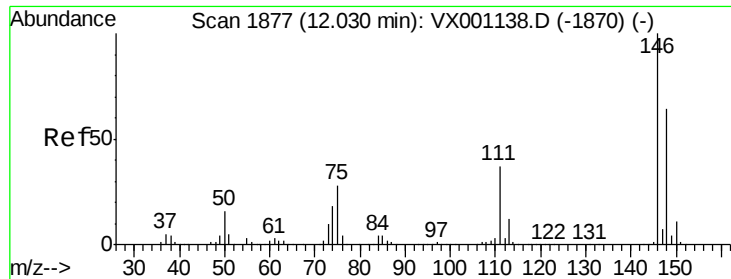
134 27.2 13.4 40.1

91 23.5 11.6 34.8



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: 49.95 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

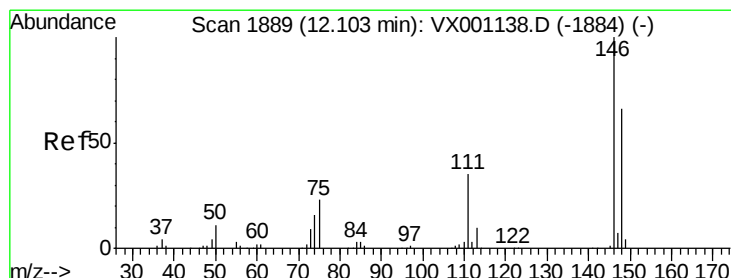
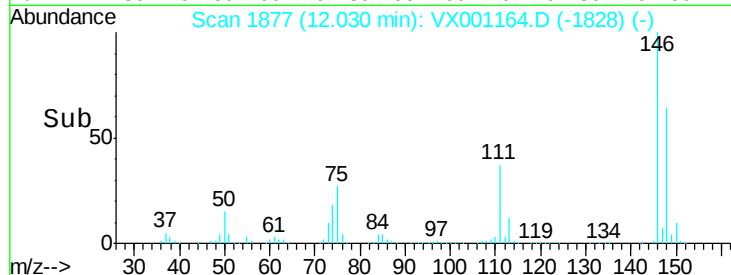
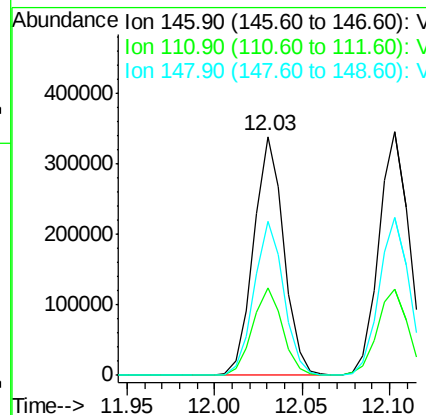
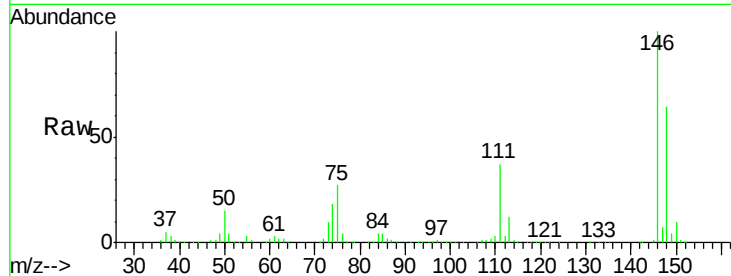
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	405392
Ion Ratio	Lower	Upper	
146	100		
111	36.7	18.6	56.0
148	63.6	32.3	96.8

Manual Integrations
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4/30/2018 6:04:36 PM



#88

1,4-Dichlorobenzene

Concen: 49.03 ug/l

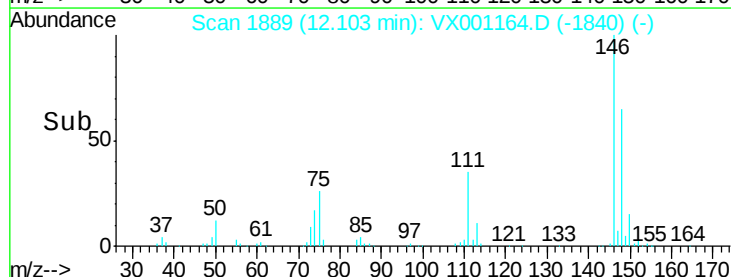
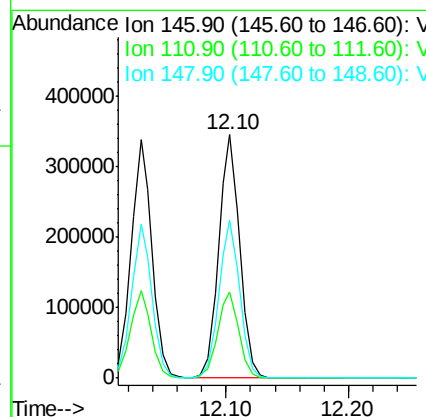
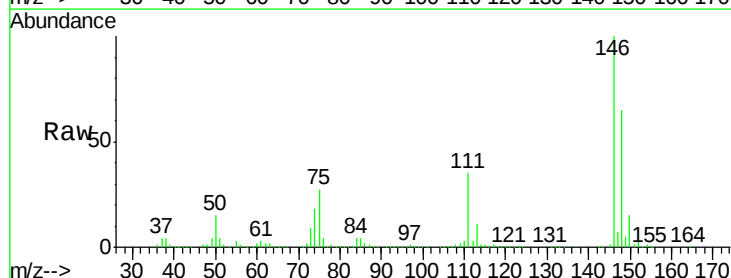
RT: 12.10 min Scan# 1889

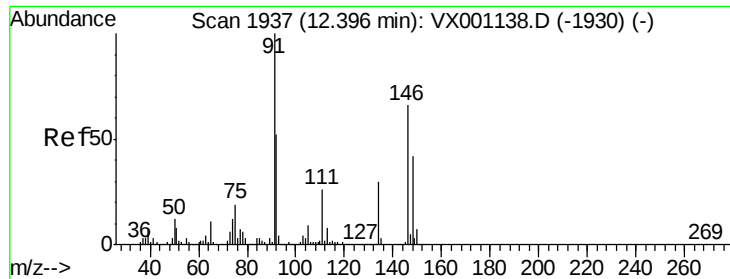
Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Tgt Ion:	146	Resp:	414586
Ion Ratio	Lower	Upper	
146	100		
111	36.1	18.0	54.0
148	64.5	32.5	97.5





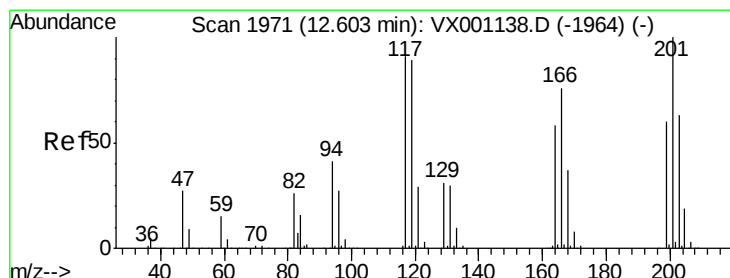
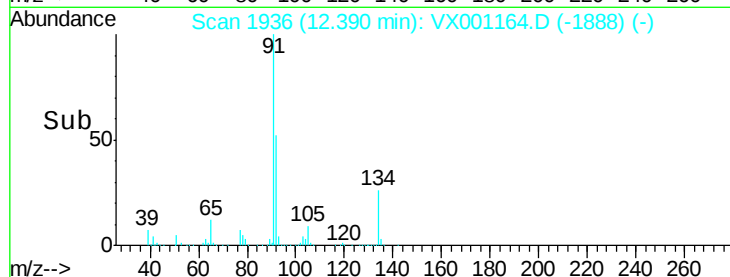
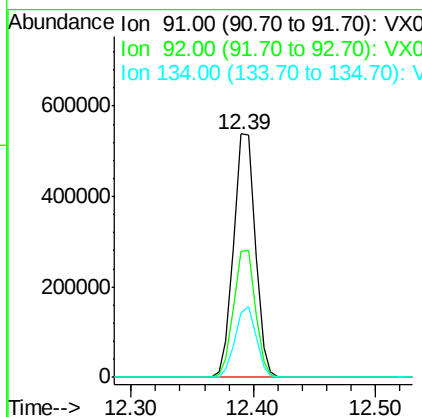
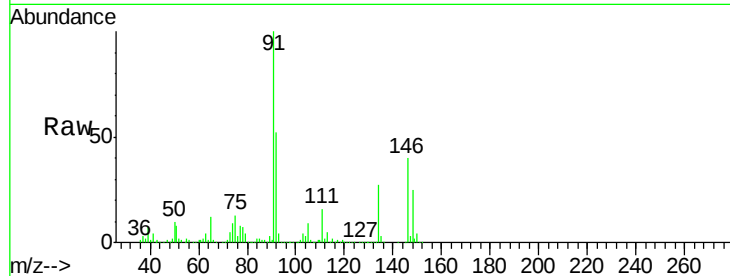
#89
n-Butylbenzene
Concen: 54.24 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.6
134	28.3	14.1	42.3

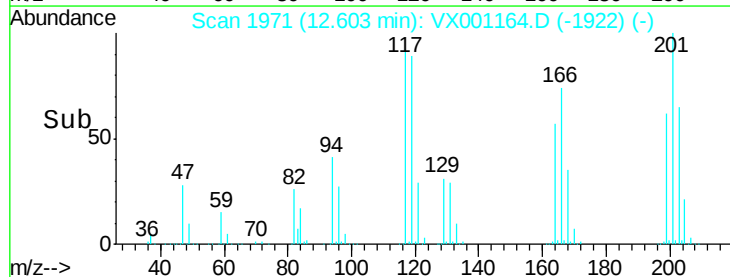
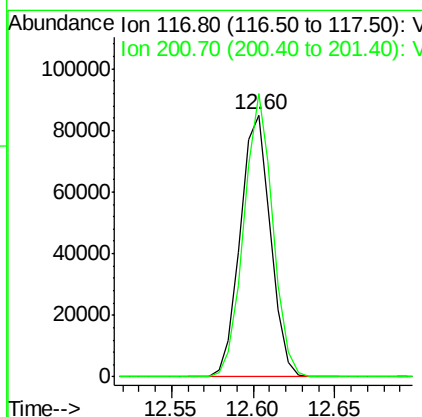
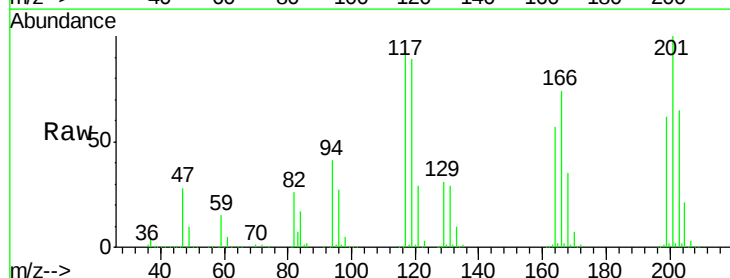
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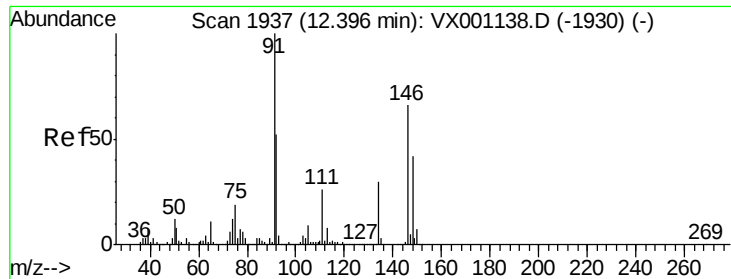
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#90
Hexachloroethane
Concen: 48.64 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001164.D
Acq: 27 Apr 2018 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.1	51.8	155.4





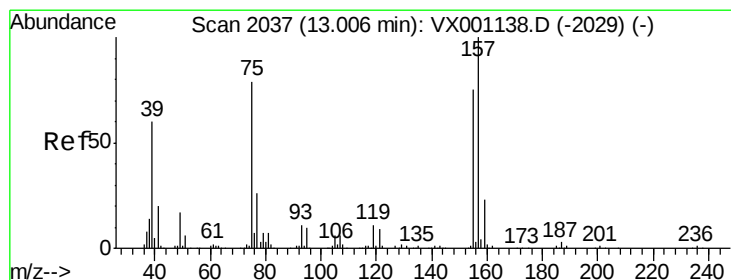
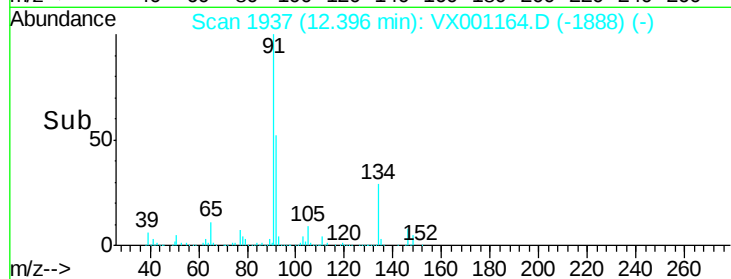
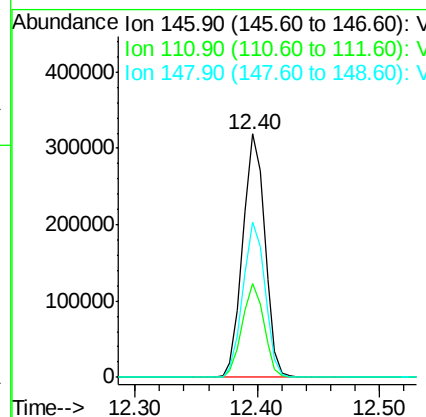
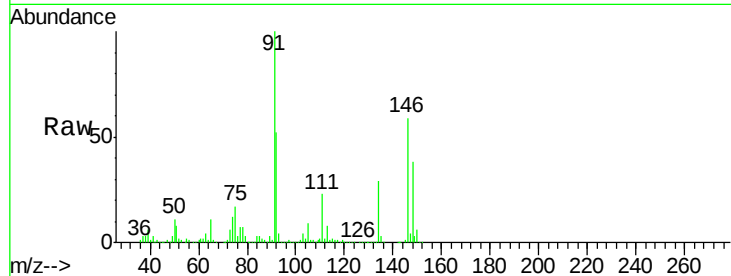
#91
 1,2-Dichlorobenzene
 Concen: 48.44 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001164.D
 Acq: 27 Apr 2018 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	397317		
111	38.1	19.1	57.3	
148	64.0	32.2	96.6	

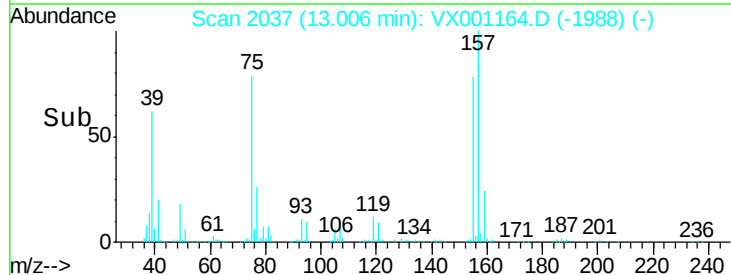
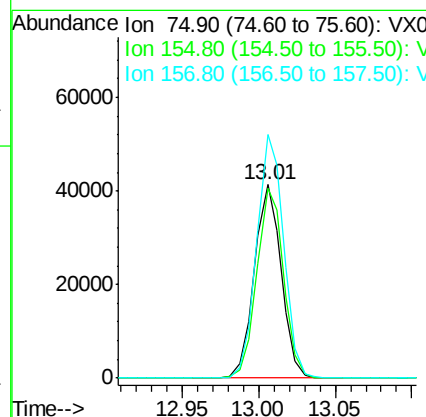
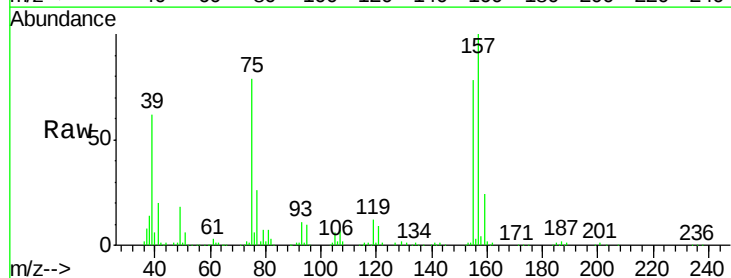
Manual Integrations
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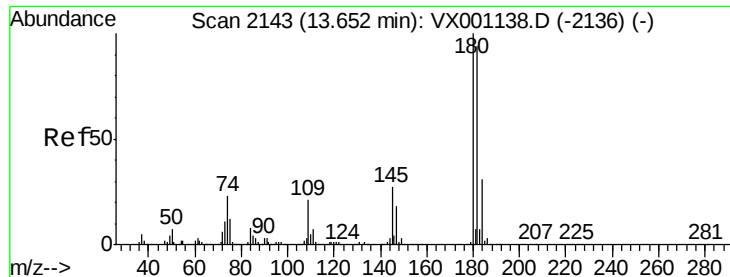
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.11 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001164.D
 Acq: 27 Apr 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	50353		
155	97.8	48.4	145.3	
157	126.2	62.7	188.1	





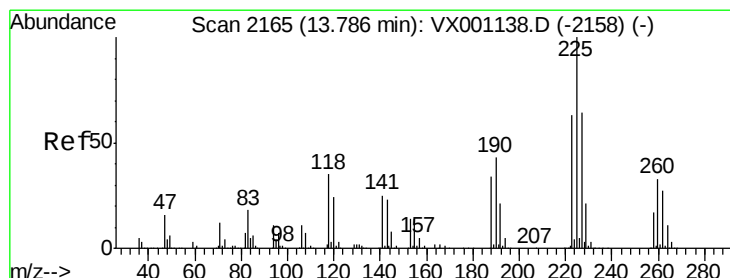
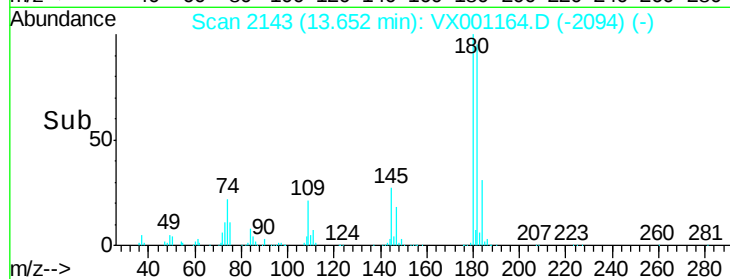
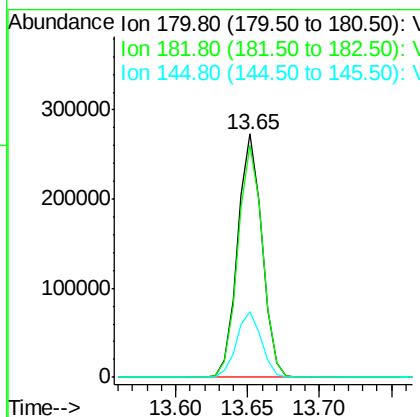
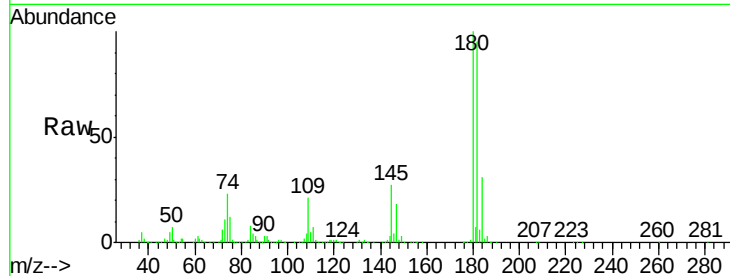
#93
 1,2,4-Trichlorobenzene
 Concen: 50.05 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001164.D
 Acq: 27 Apr 2018 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	321814		
182	96.1	47.9	143.6	
145	27.5	13.8	41.4	

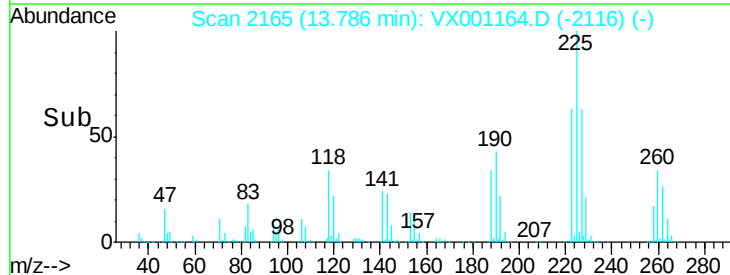
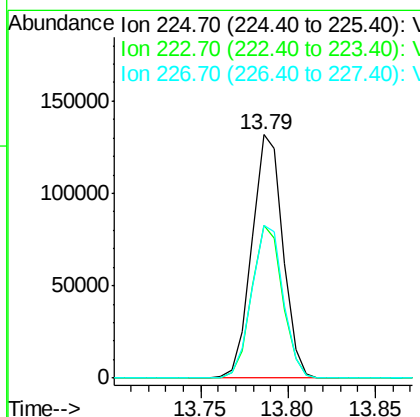
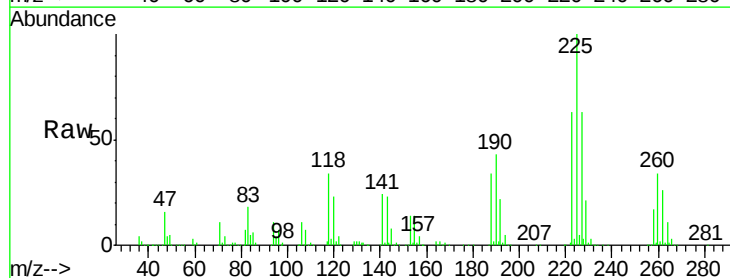
Manual Integrations
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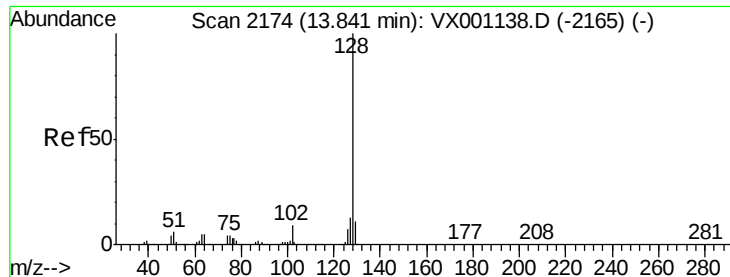
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#94
 Hexachlorobutadiene
 Concen: 53.69 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001164.D
 Acq: 27 Apr 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	162293		
223	62.3	31.3	93.9	
227	63.4	32.2	96.6	





#95

Naphthalene

Concen: 46.76 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Instrument :

MSVOA_X

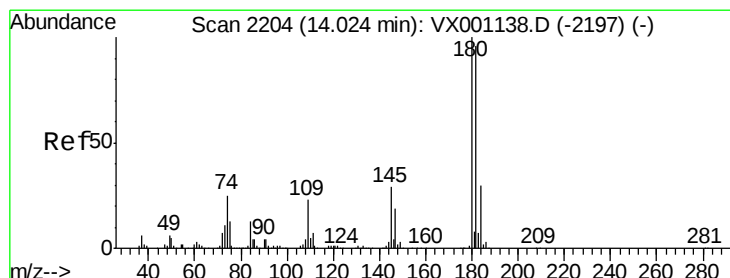
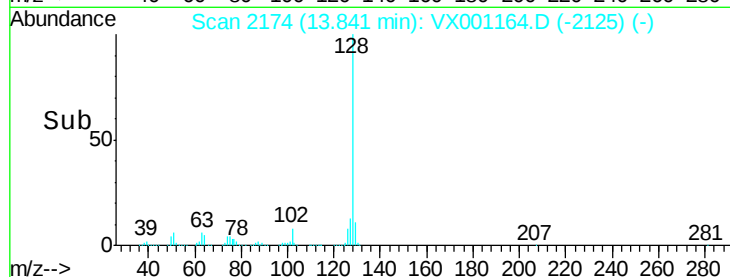
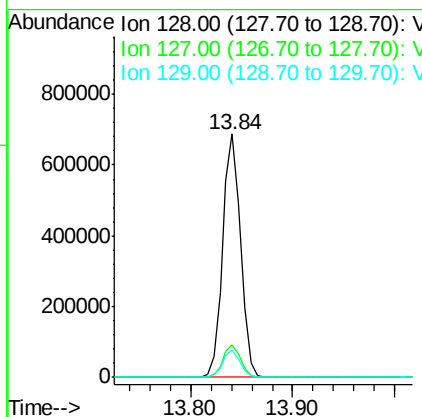
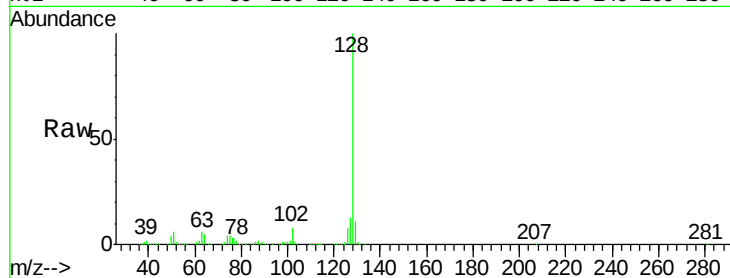
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	837853
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	11.1	8.8	13.2

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 49.39 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001164.D

Acq: 27 Apr 2018 12:05

Tgt Ion:	180	Resp:	316072
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.2	144.6
145	28.9	14.5	43.5

