

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050318\
 Data File : VX001353.D
 Acq On : 03 May 2018 12:12
 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
 5/5/2018 11:28:29 PM

Quant Time: May 04 07:23:19 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	201453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	250081	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	245608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	180281	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	125417	44.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.94%	
35) Dibromofluoromethane	5.51	113	108136	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	8.72	98	406299	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
62) 4-Bromofluorobenzene	11.14	95	160872	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	109701	49.23	ug/l	98
3) Chloromethane	1.32	50	95955	43.86	ug/l	98
4) Vinyl Chloride	1.40	62	103394	44.90	ug/l	100
5) Bromomethane	1.64	94	73677	42.67	ug/l	100
6) Chloroethane	1.71	64	69889	48.01	ug/l	98
7) Trichlorofluoromethane	1.92	101	190245	48.94	ug/l	100
8) Diethyl Ether	2.19	74	64292	48.17	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	110067	49.11	ug/l	99
10) Methyl Iodide	2.51	142	156601	62.89	ug/l	99
11) Tert butyl alcohol	3.09	59	124505	259.51	ug/l	99
12) 1,1-Dichloroethene	2.37	96	93125	46.08	ug/l	99
13) Acrolein	2.29	56	65337	236.52	ug/l	98
14) Allyl chloride	2.73	41	169125	47.84	ug/l	99
15) Acrylonitrile	3.15	53	277109	249.20	ug/l	100
16) Acetone	2.45	43	281933	236.85	ug/l	99
17) Carbon Disulfide	2.57	76	219513	41.70	ug/l	100
18) Methyl Acetate	2.78	43	149586	53.21	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	329137	47.82	ug/l	100
20) Methylene Chloride	2.86	84	103108	47.94	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	99797	45.37	ug/l	97
22) Diisopropyl ether	3.88	45	319154	46.87	ug/l	98
23) Vinyl Acetate	3.83	43	1431309	248.06	ug/l	100
24) 1,1-Dichloroethane	3.70	63	184769	48.71	ug/l	99
25) 2-Butanone	4.72	43	373404	232.00	ug/l	98
26) 2,2-Dichloropropane	4.59	77	137988	44.71	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	105841	43.78	ug/l	100
28) Bromochloromethane	5.03	49	90781	53.24	ug/l	97
29) Tetrahydrofuran	5.18	42	235339	237.75	ug/l	98
30) Chloroform	5.22	83	181634	45.30	ug/l	100
31) Cyclohexane	5.58	56	148170	43.25	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	159114	45.41	ug/l	99
36) 1,1-Dichloropropene	5.80	75	132643	45.96	ug/l	99
37) Ethyl Acetate	4.88	43	141131	48.43	ug/l	99
38) Carbon Tetrachloride	5.79	117	148863	49.23	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	166051	48.64	ug/l	97
40) Benzene	6.15	78	389826	46.95	ug/l	99
41) Methacrylonitrile	5.07	41	79739	46.98	ug/l	99
42) 1,2-Dichloroethane	6.20	62	149064	46.37	ug/l	99
43) Isopropyl Acetate	6.48	43	232075	49.18	ug/l	99
44) Trichloroethene	7.22	130	122315	48.13	ug/l	98
45) 1,2-Dichloropropane	7.52	63	99957	46.88	ug/l	97
46) Dibromomethane	7.67	93	71117	47.58	ug/l	99
47) Bromodichloromethane	7.90	83	132533	49.60	ug/l	98
48) Methyl methacrylate	7.79	41	122529	48.85	ug/l	98
49) 1,4-Dioxane	7.76	88	52108	1100.86	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	796097	261.71	ug/l	99
52) Toluene	8.79	92	262977	48.45	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	156675	49.30	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	147539	50.46	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	107766	49.15	ug/l	97
56) Ethyl methacrylate	9.19	69	159581	52.53	ug/l	98
57) 1,3-Dichloropropane	9.38	76	173146	49.10	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	417048	284.55	ug/l	99
59) 2-Hexanone	9.51	43	628026	264.15	ug/l	100
60) Dibromochloromethane	9.59	129	119591	52.29	ug/l	99
61) 1,2-Dibromoethane	9.68	107	117672	50.64	ug/l	100
64) Tetrachloroethene	9.34	164	156948	53.94	ug/l	99
65) Chlorobenzene	10.14	112	311720	46.67	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	116437	50.22	ug/l	99
67) Ethyl Benzene	10.26	91	522325	47.45	ug/l	99
68) m/p-Xylenes	10.37	106	421700	97.36	ug/l	99
69) o-Xylene	10.70	106	202204	48.14	ug/l	99
70) Styrene	10.72	104	337580	49.14	ug/l	99
71) Bromoform	10.87	173	99587	44.90	ug/l	100
73) Isopropylbenzene	11.02	105	558175	46.28	ug/l	100
74) N-amyl acetate	6.48	43	232075	44.85	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	162287	44.91	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	160332m	48.09	ug/l	
77) Bromobenzene	11.26	156	158682	45.62	ug/l	99
78) n-propylbenzene	11.37	91	634247	47.32	ug/l	100
79) 2-Chlorotoluene	11.43	91	373932	46.24	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	485972	47.98	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	44453	43.95	ug/l	95
82) 4-Chlorotoluene	11.52	91	448312	46.09	ug/l	99
83) tert-Butylbenzene	11.77	119	463322	45.87	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	500026	48.18	ug/l	100
85) sec-Butylbenzene	11.95	105	588936	48.74	ug/l	100
86) p-Isopropyltoluene	12.07	119	549358	49.56	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	296730	45.68	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	303208	45.28	ug/l	100
89) n-Butylbenzene	12.40	91	472081	48.79	ug/l	100
90) Hexachloroethane	12.60	117	80239	49.99	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	301069	46.58	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	38223	52.34	ug/l	97

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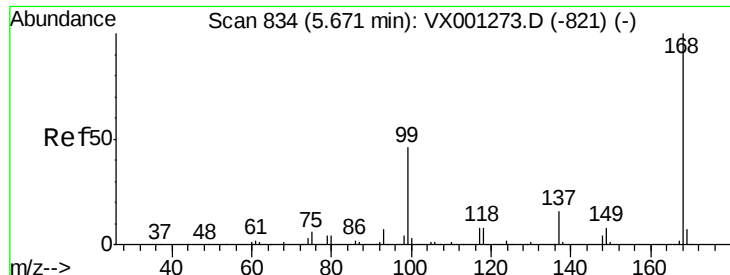
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	235769	45.34	ug/l	99
94) Hexachlorobutadiene	13.79	225	131677	48.40	ug/l	99
95) Naphthalene	13.84	128	636002	48.21	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	236719	46.37	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 201453

Ion Ratio Lower Upper

168 100

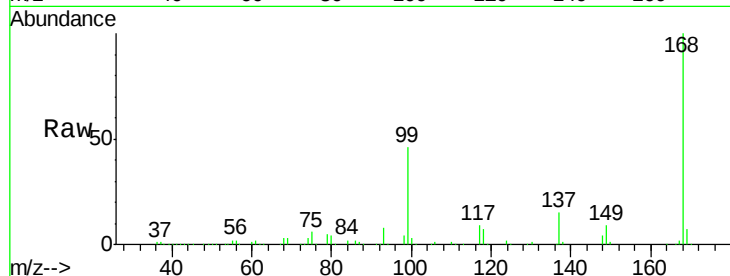
99 45.6 36.5 54.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

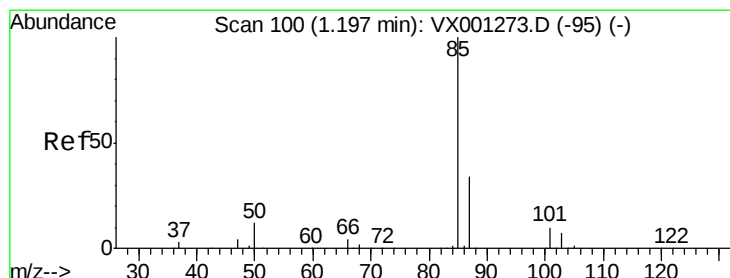
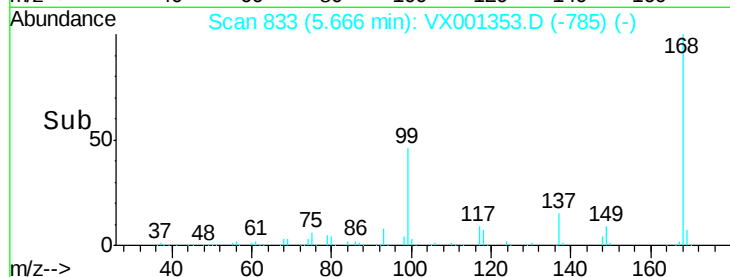
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 49.23 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001353.D

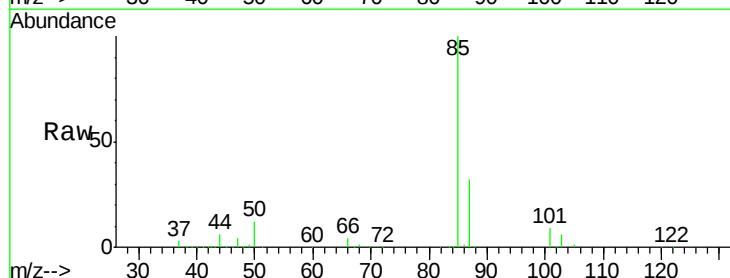
Acq: 03 May 2018 12:12

Tgt Ion: 85 Resp: 109701

Ion Ratio Lower Upper

85 100

87 32.2 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

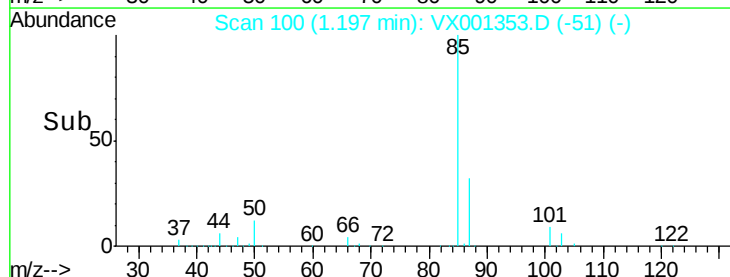
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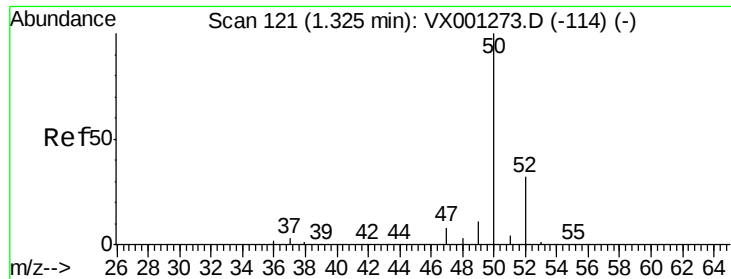
40000

20000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 43.86 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 95955

Ion Ratio Lower Upper

50 100

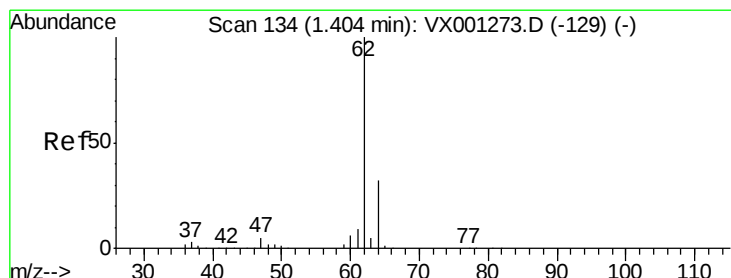
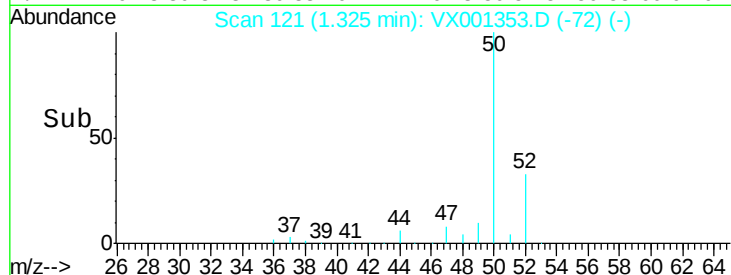
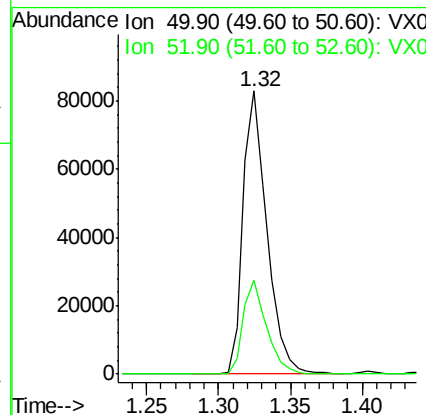
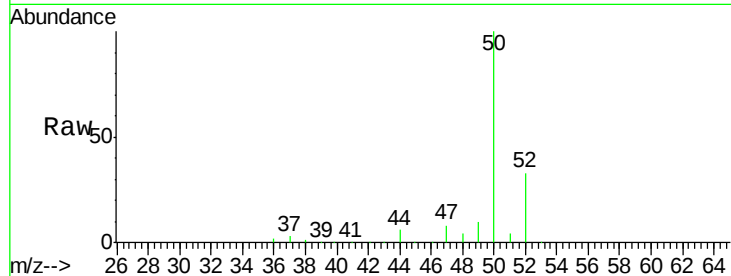
52 33.3 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.90 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001353.D

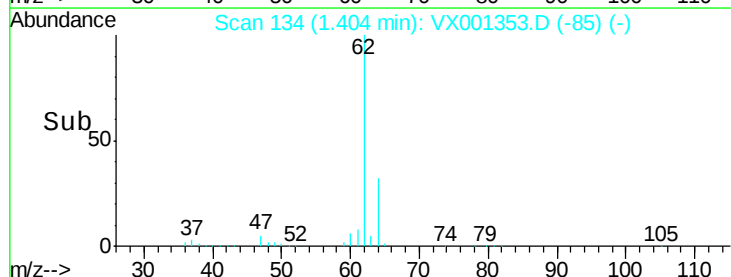
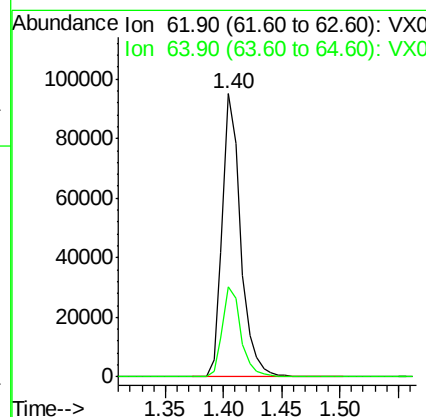
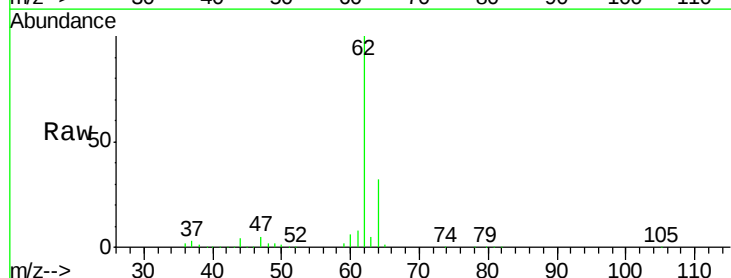
Acq: 03 May 2018 12:12

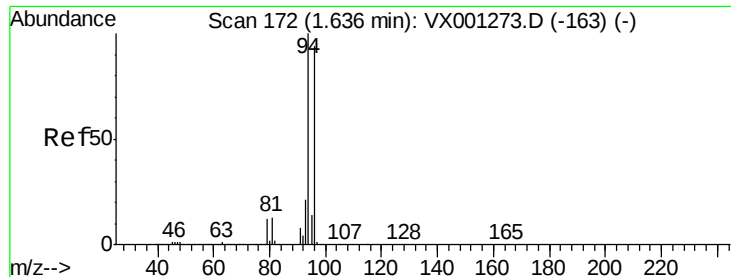
Tgt Ion: 62 Resp: 103394

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 42.67 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 73677

Ion Ratio Lower Upper

94 100

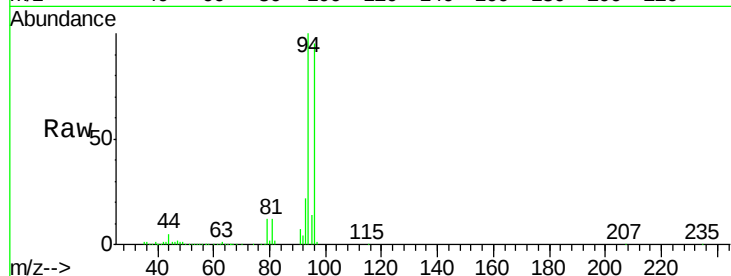
96 94.9 75.6 113.4

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

80000

60000

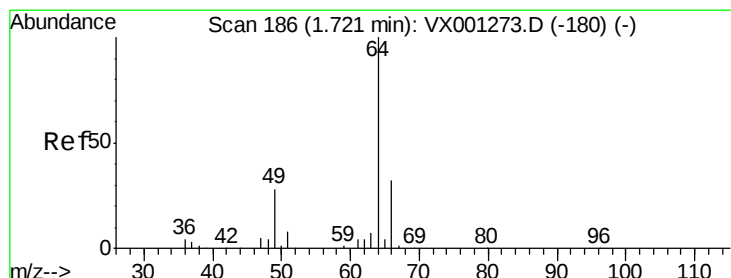
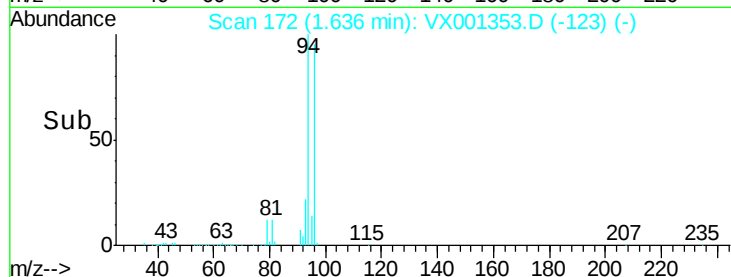
40000

20000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 48.01 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX001353.D

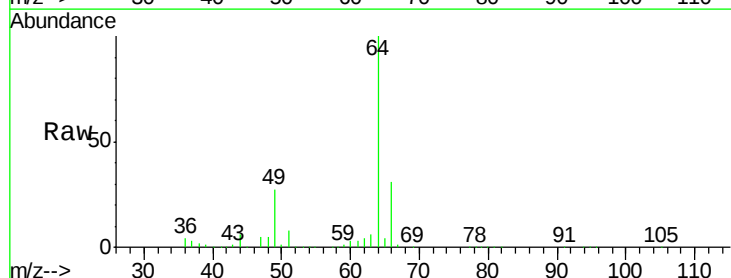
Acq: 03 May 2018 12:12

Tgt Ion: 64 Resp: 69889

Ion Ratio Lower Upper

64 100

66 30.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

60000

50000

40000

30000

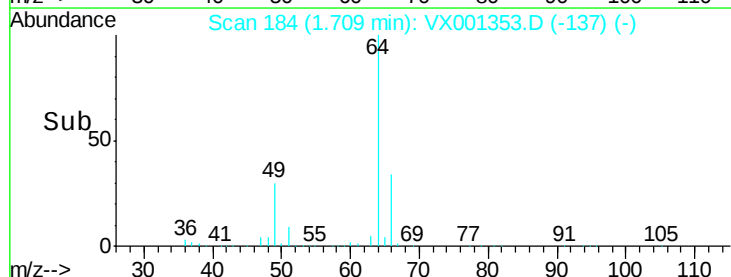
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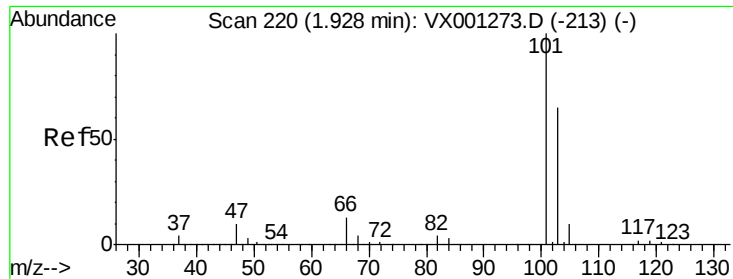
10000

0

1.70 1.80

Time-->





#7

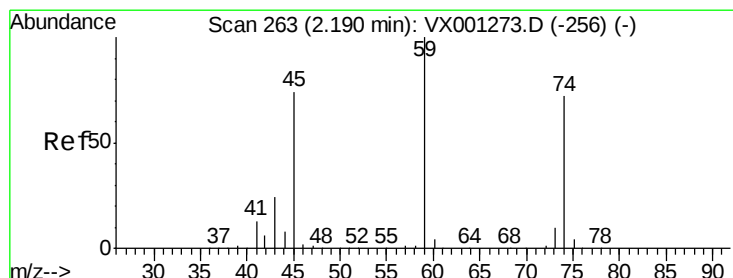
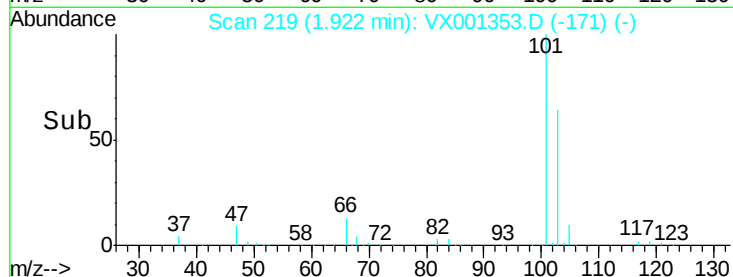
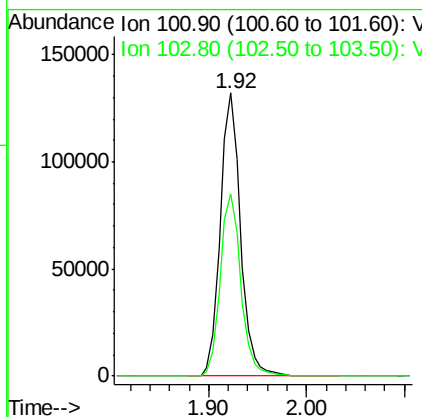
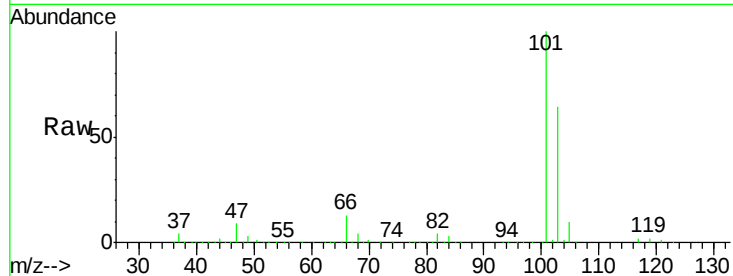
Trichlorofluoromethane
Concen: 48.94 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 190245
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.8

Manual Integrations
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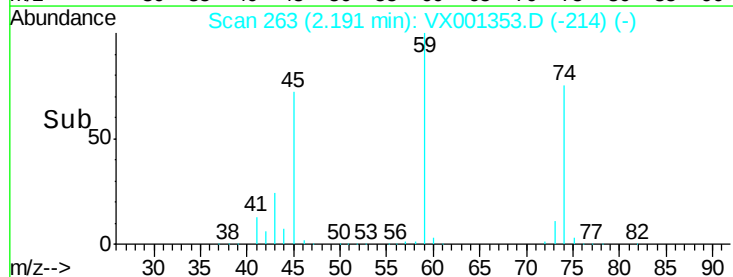
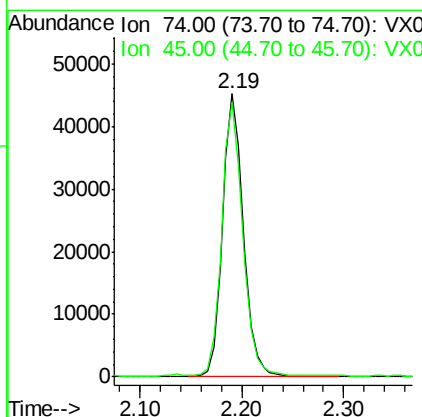
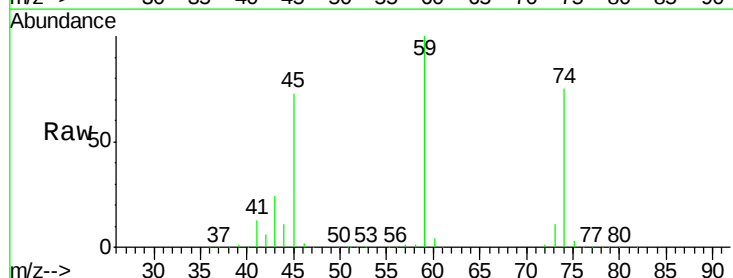
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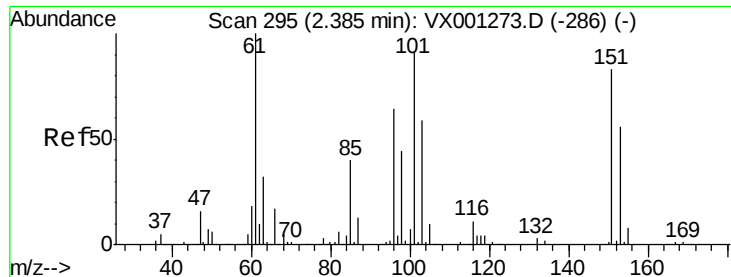


#8

Diethyl Ether
Concen: 48.17 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Tgt Ion: 74 Resp: 64292
Ion Ratio Lower Upper
74 100
45 96.6 49.3 147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.11 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

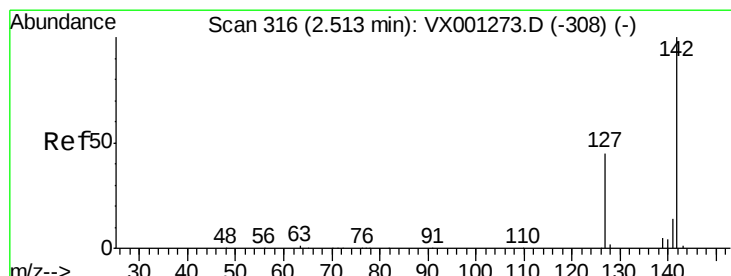
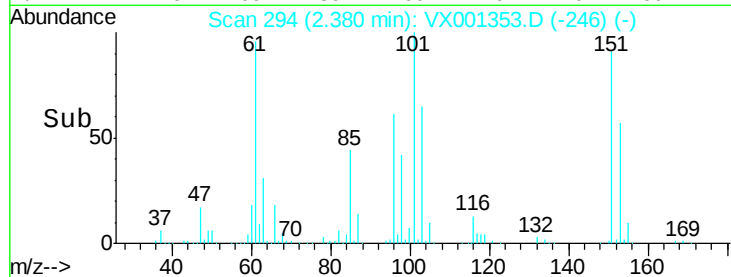
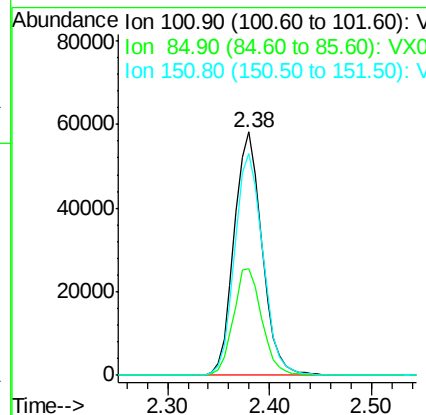
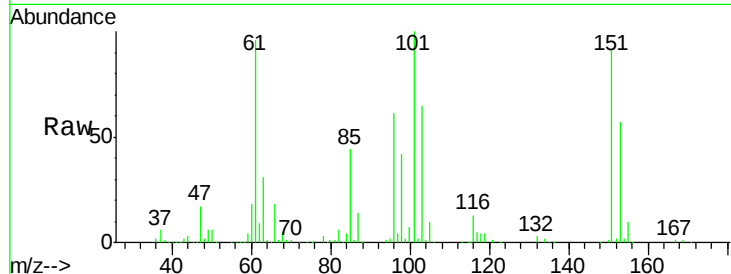
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	110067
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.6	53.4
151	92.5	74.8	112.2

Manual Integrations
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#10

Methyl Iodide

Concen: 62.89 ug/l

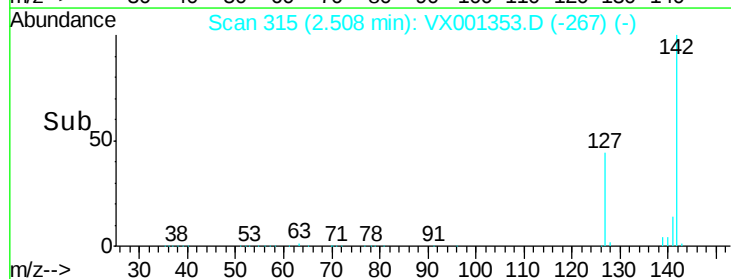
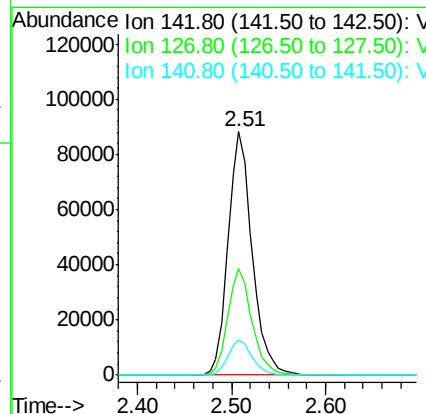
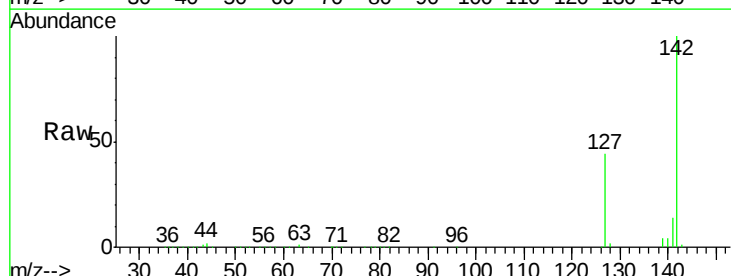
RT: 2.51 min Scan# 315

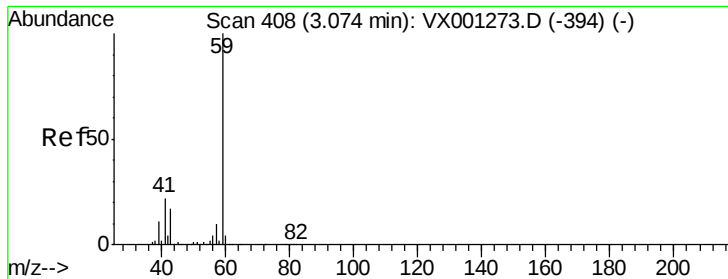
Delta R.T. -0.01 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Tgt Ion:	142	Resp:	156601
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.7	53.5
141	14.5	11.4	17.0





#11

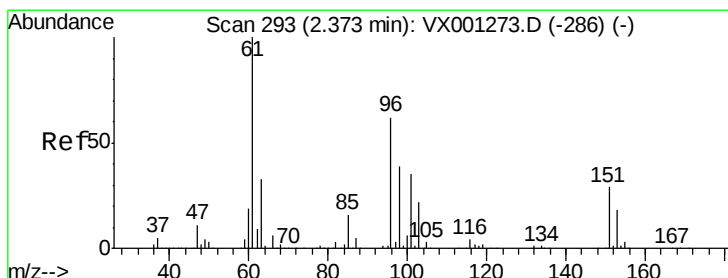
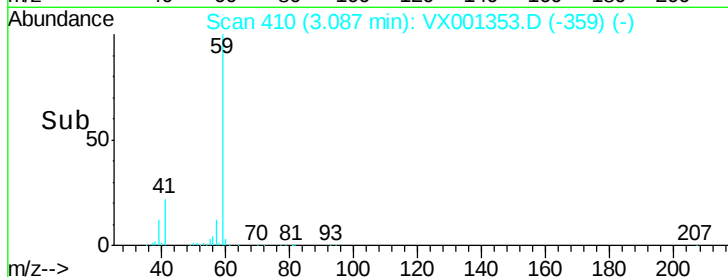
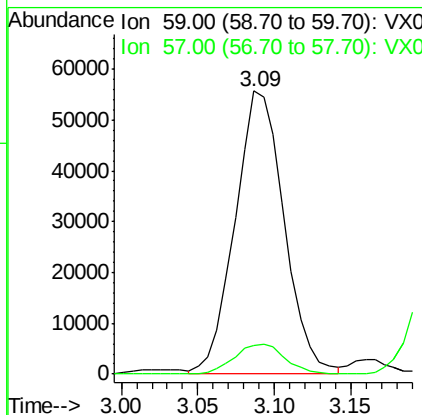
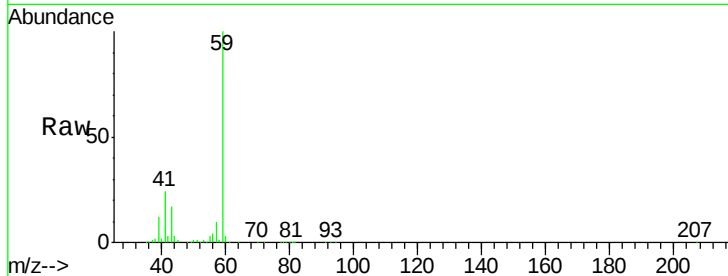
Tert butyl alcohol
Concen: 259.51 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	11.0	Resp:	124505	Lower	8.6	Upper	12.8
Ion											

Manual Integrations
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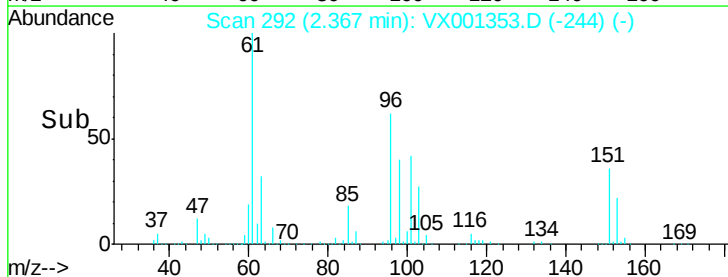
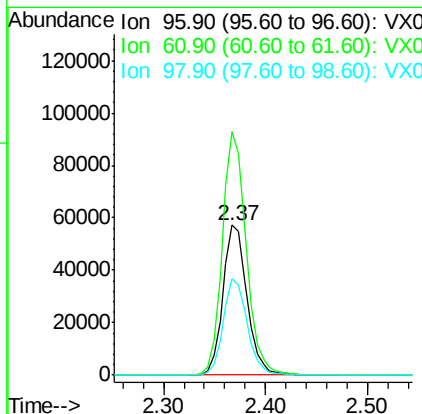
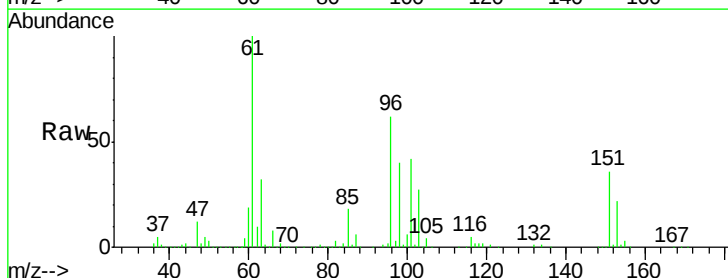
MMDadoda
5/5/2018 11:28:29 PM

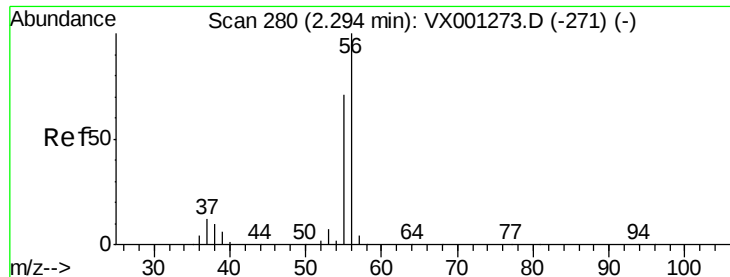


#12

1,1-Dichloroethene
Concen: 46.08 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Tgt Ion	96	61	98	Ratio	100	162.4	64.6	Resp:	93125	Lower	130.1	50.3	Upper	195.1	75.5
Ion															





#13

Acrolein

Concen: 236.52 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 65337

Ion Ratio Lower Upper

56 100

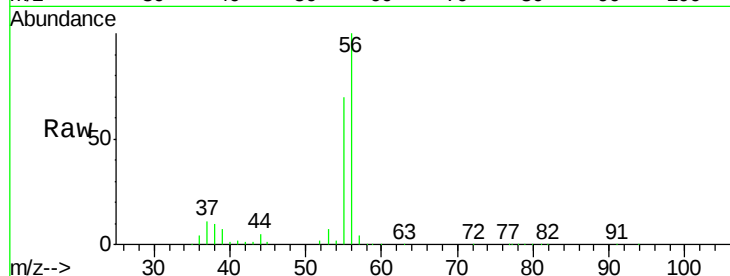
55 69.6 57.2 85.8

Manual Integrations

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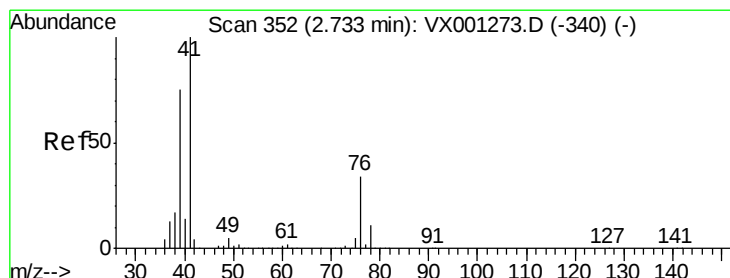
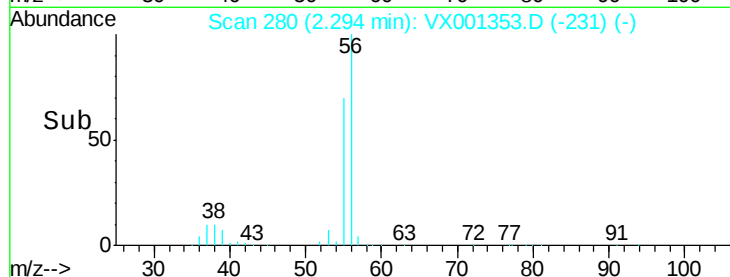
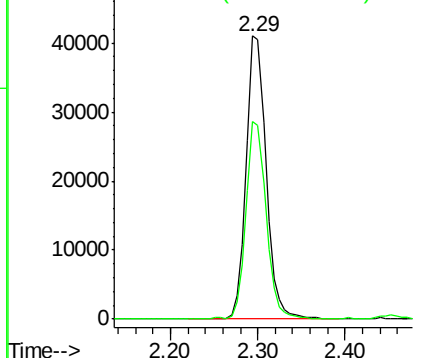
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.84 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

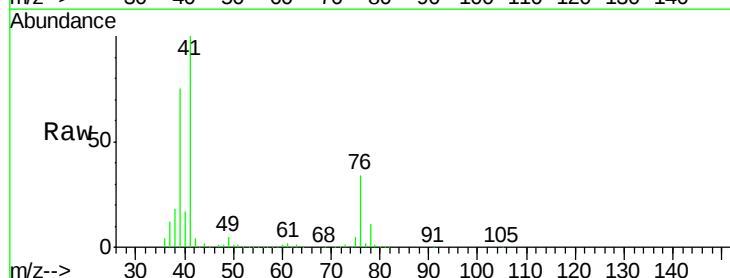
Tgt Ion: 41 Resp: 169125

Ion Ratio Lower Upper

41 100

39 72.6 58.1 87.1

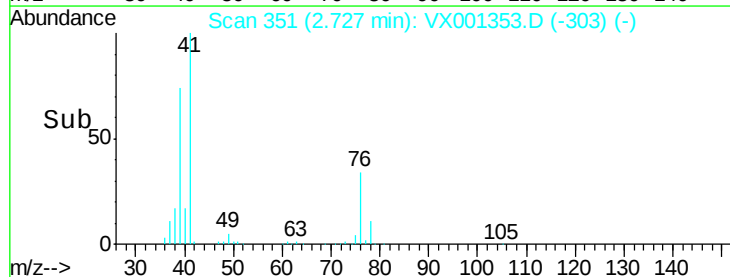
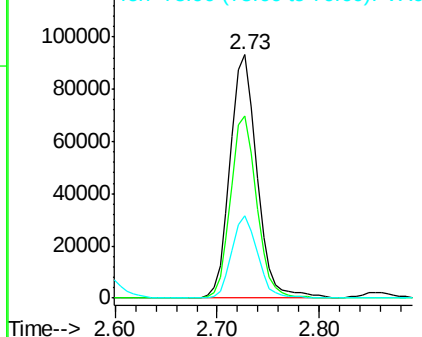
76 32.3 25.1 37.7

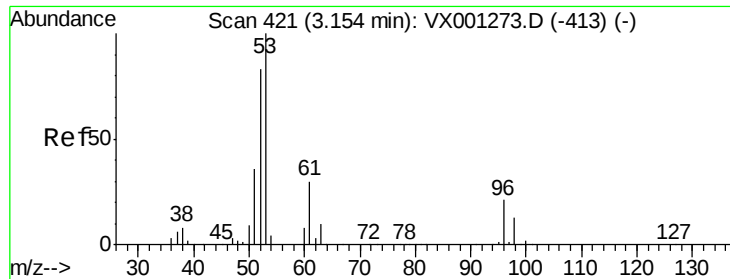


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 249.20 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

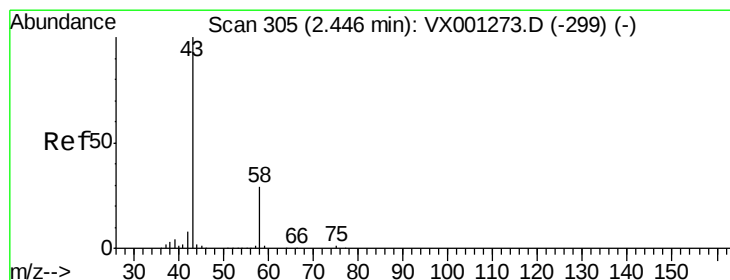
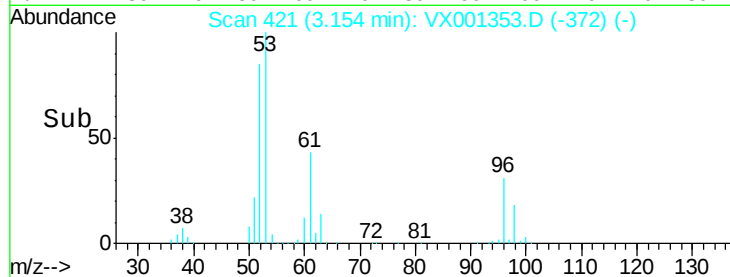
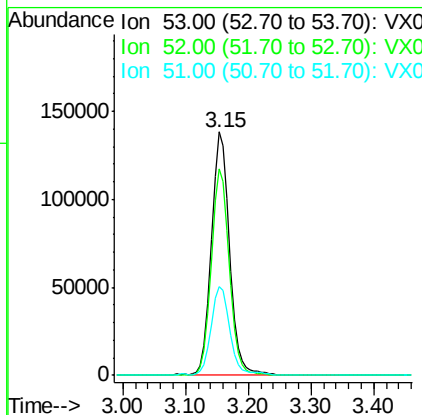
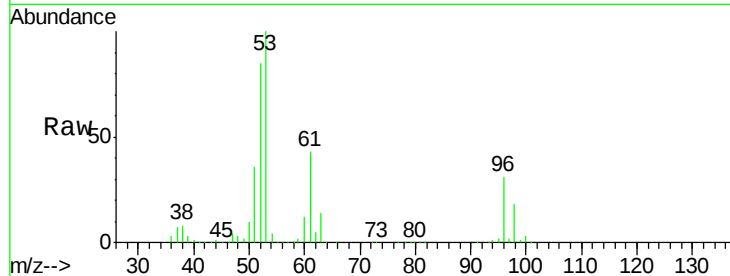
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	277109
Ion Ratio	Lower	Upper	
53	100		
52	83.6	67.0	100.4
51	37.6	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 236.85 ug/l

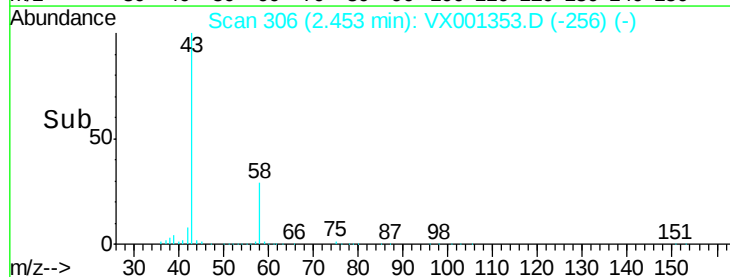
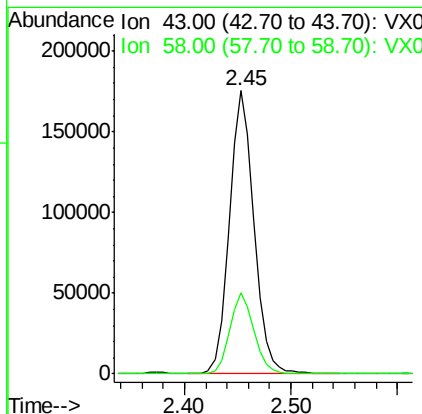
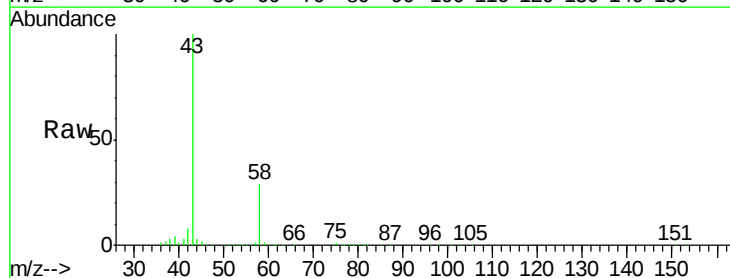
RT: 2.45 min Scan# 306

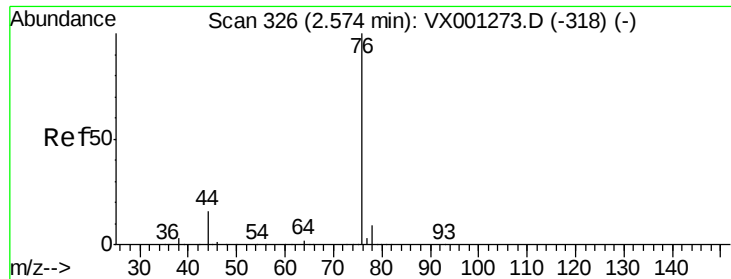
Delta R.T. 0.01 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Tgt Ion:	43	Resp:	281933
Ion Ratio	Lower	Upper	
43	100		
58	28.8	22.8	34.2





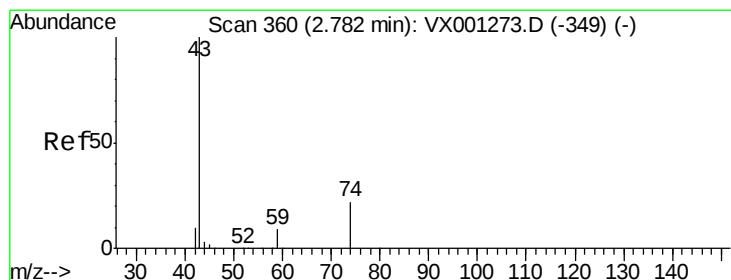
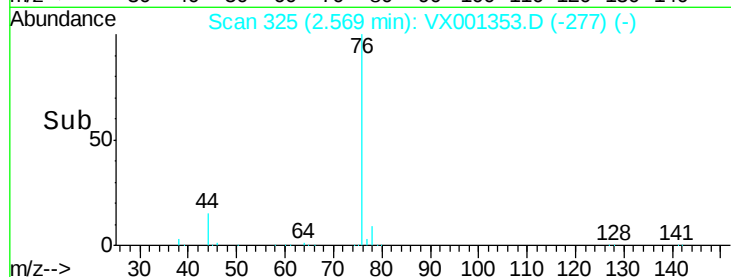
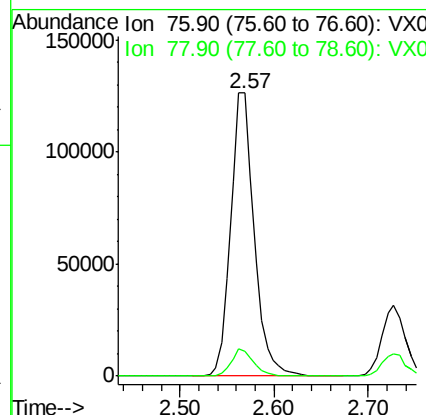
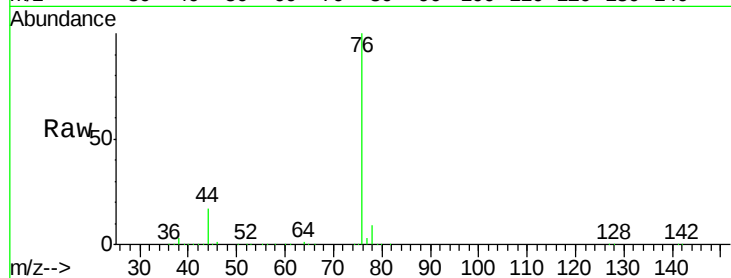
#17
Carbon Disulfide
Concen: 41.70 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.4

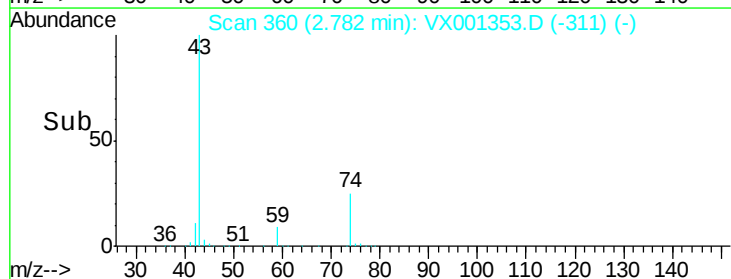
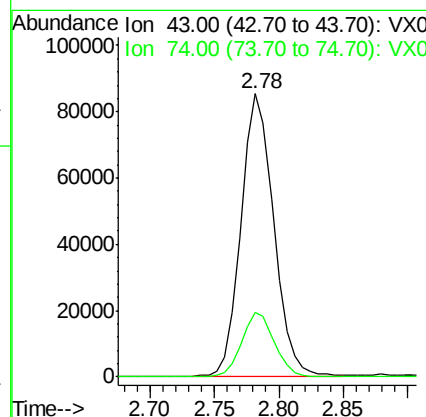
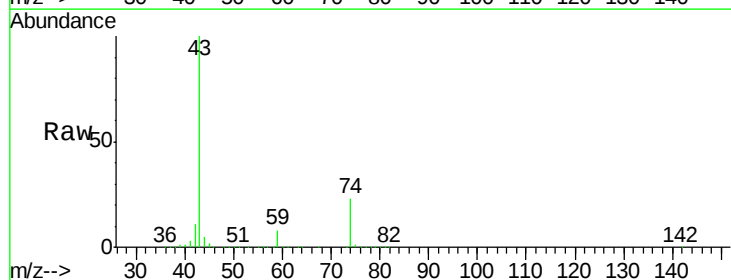
Manual Integrations
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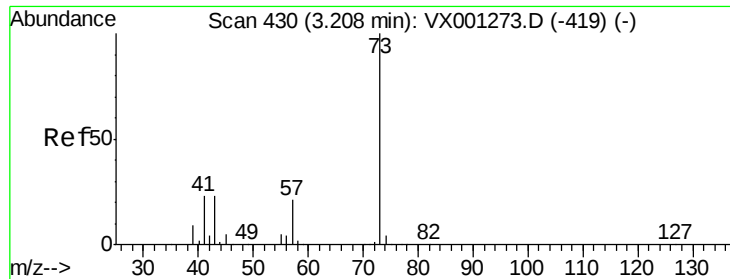
MMDadoda
5/5/2018 11:28:29 PM



#18
Methyl Acetate
Concen: 53.21 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	17.8	26.6





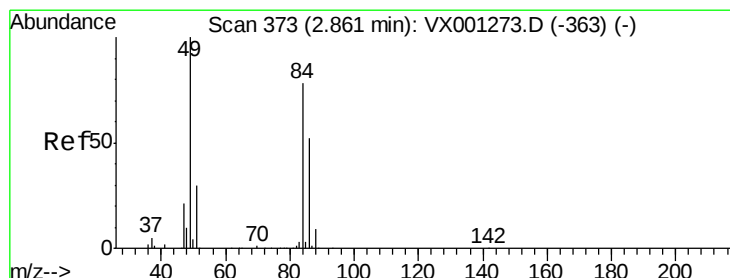
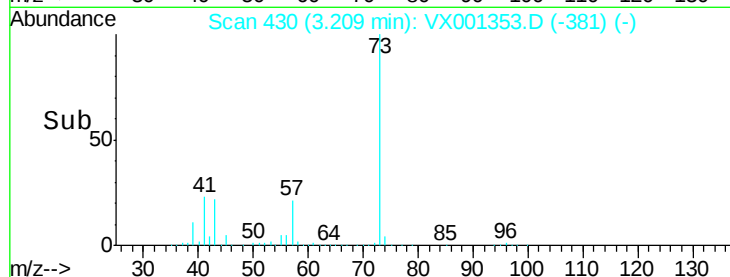
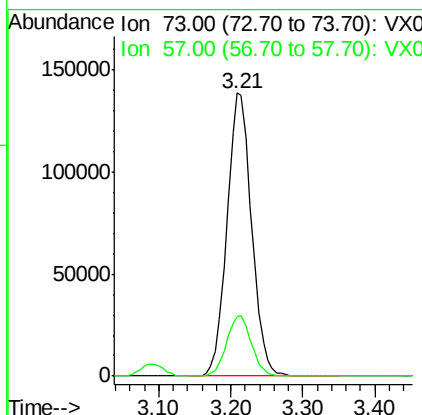
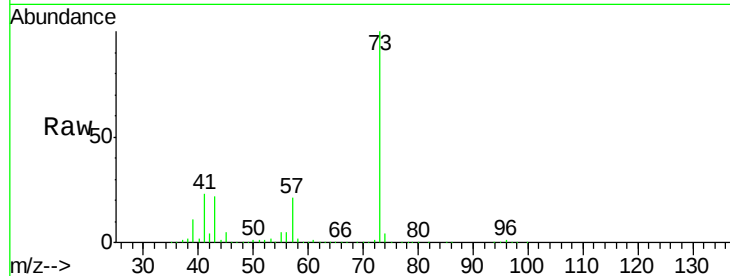
#19
Methvl tert-butvl Ether
Concen: 47.82 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	16.8	25.2

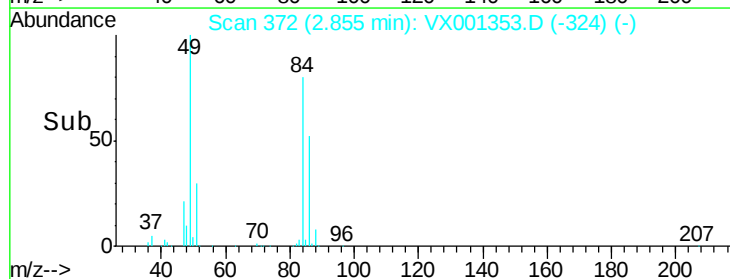
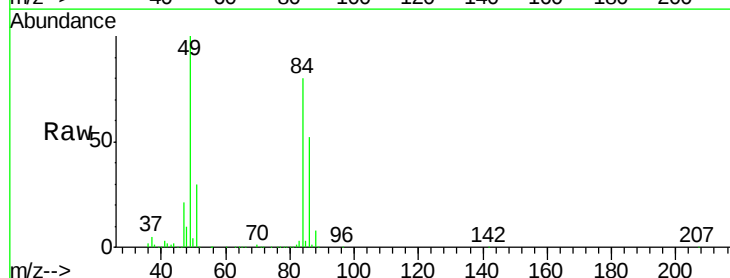
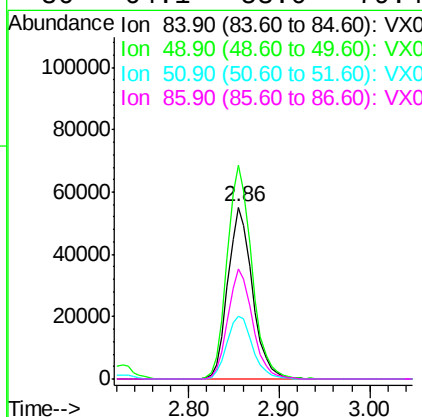
Manual Integrations
APPROVED

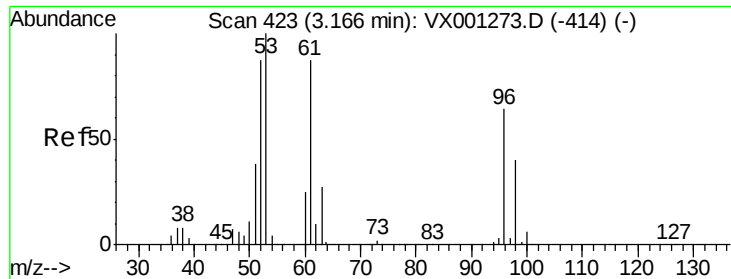
MMDadoda
5/5/2018 11:28:29 PM



#20
Methylene Chloride
Concen: 47.94 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.4	102.8	154.2
51	36.9	30.9	46.3
86	64.1	53.0	79.4





#21

trans-1,2-Dichloroethene

Concen: 45.37 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

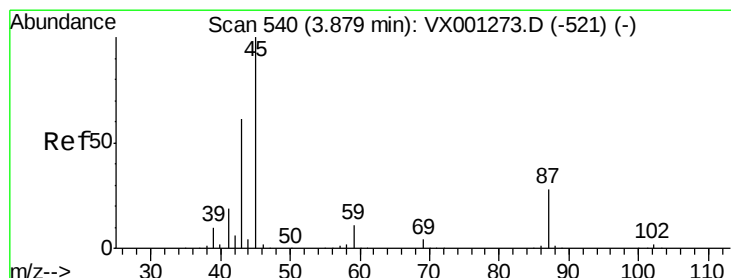
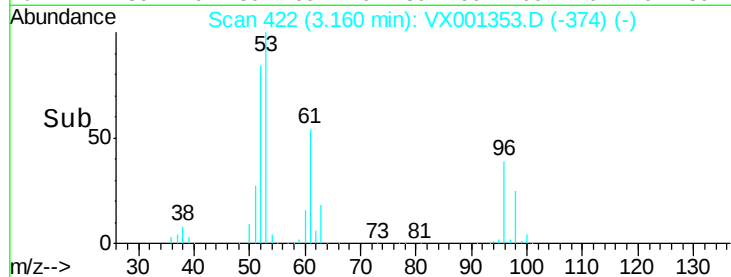
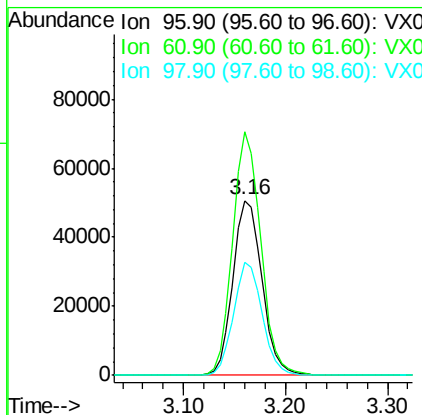
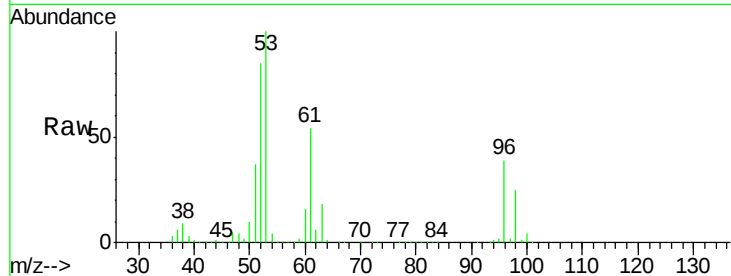
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	99797
Ion	Ratio	Lower	Upper
96	100		
61	139.0	108.6	162.8
98	64.4	49.7	74.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.87 ug/l

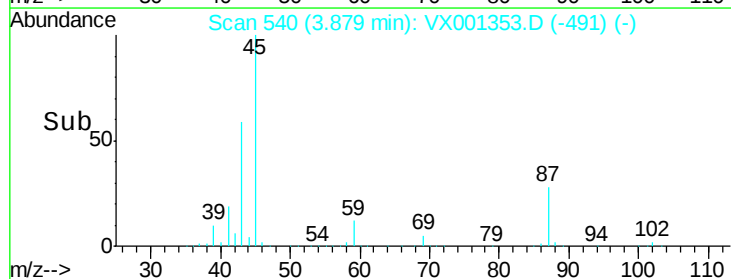
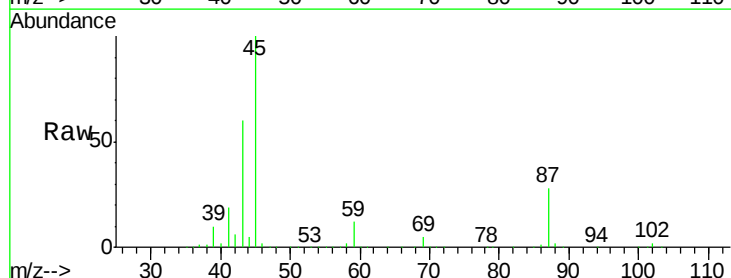
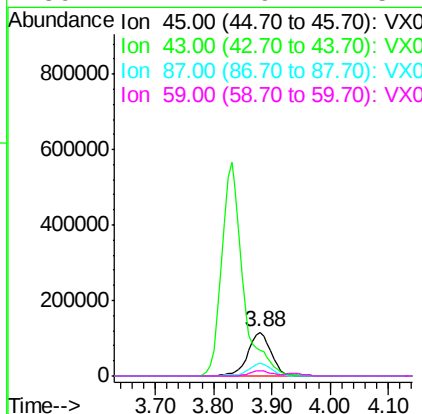
RT: 3.88 min Scan# 540

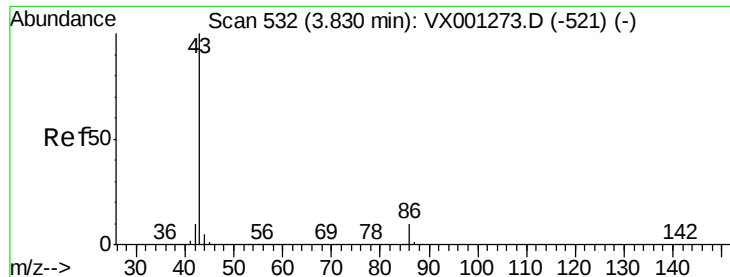
Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Tgt Ion:	45	Resp:	319154
Ion	Ratio	Lower	Upper
45	100		
43	59.5	48.7	73.1
87	28.3	22.2	33.4
59	11.7	9.1	13.7





#23

Vinyl Acetate

Concen: 248.06 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1431309

Ion Ratio Lower Upper

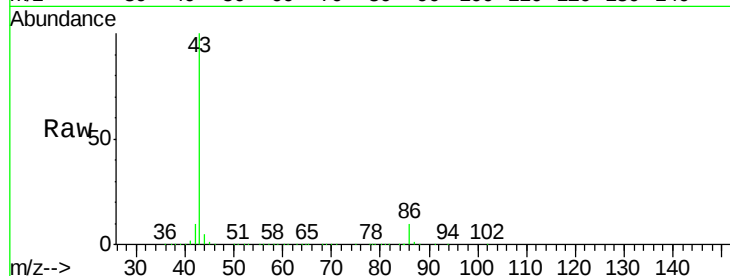
43 100

86 10.2 8.2 12.4

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

600000

500000

400000

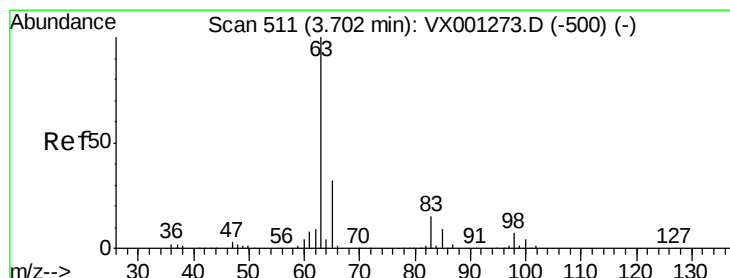
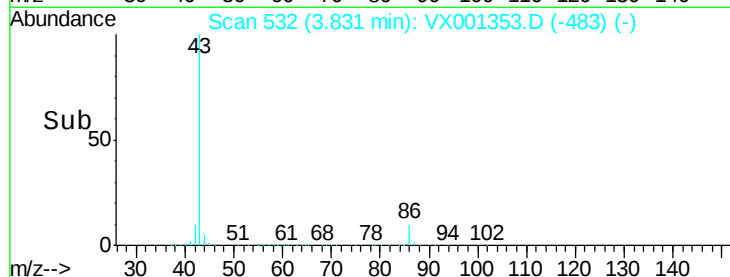
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.71 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

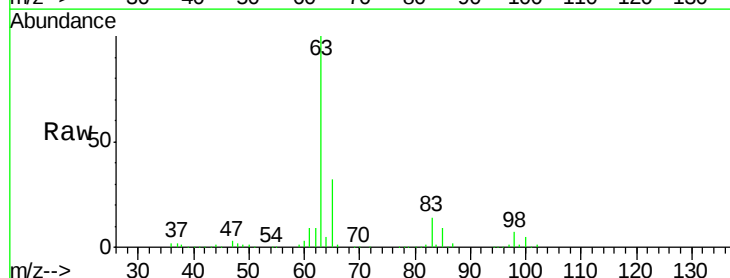
Tgt Ion: 63 Resp: 184769

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

100 4.6 2.3 6.8



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

100000

80000

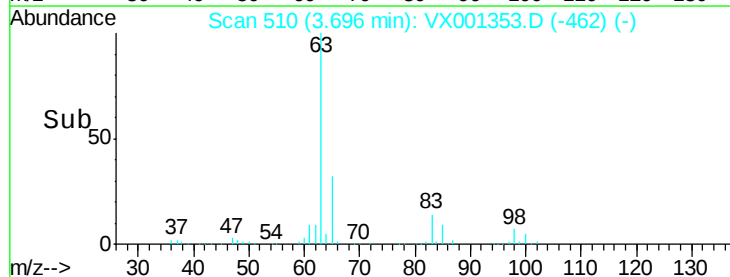
60000

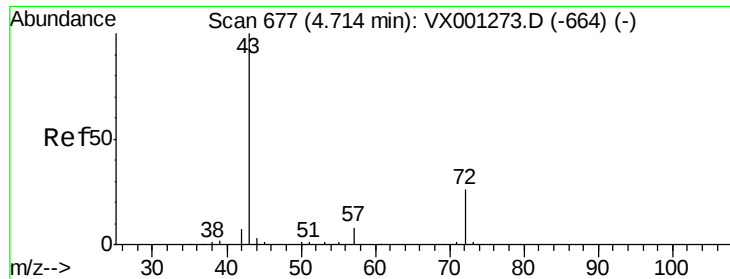
40000

20000

0

Time-->





#25

2-Butanone

Concen: 232.00 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 373404

Ion Ratio Lower Upper

43 100

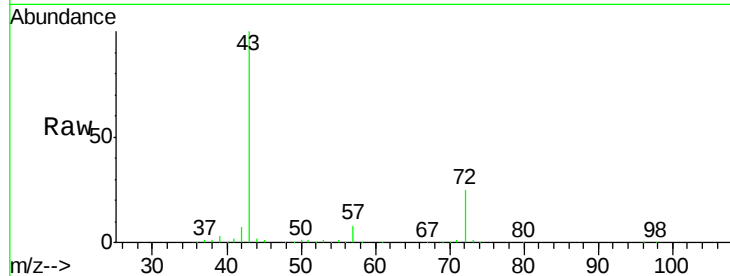
72 24.6 20.5 30.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

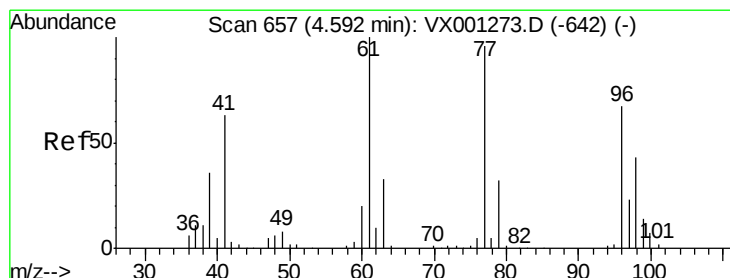
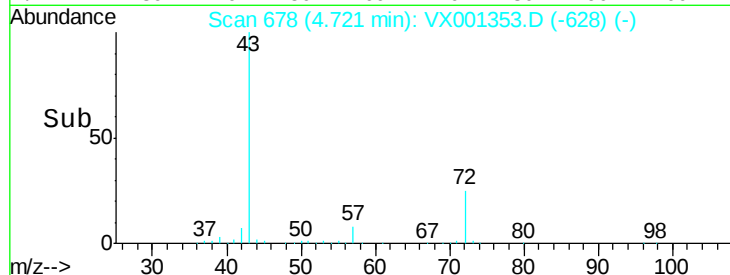
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 44.71 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX001353.D

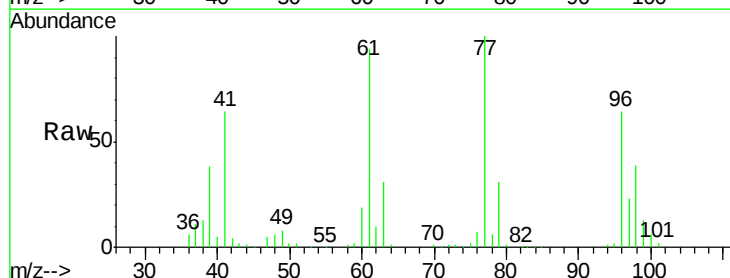
Acq: 03 May 2018 12:12

Tgt Ion: 77 Resp: 137988

Ion Ratio Lower Upper

77 100

97 23.3 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

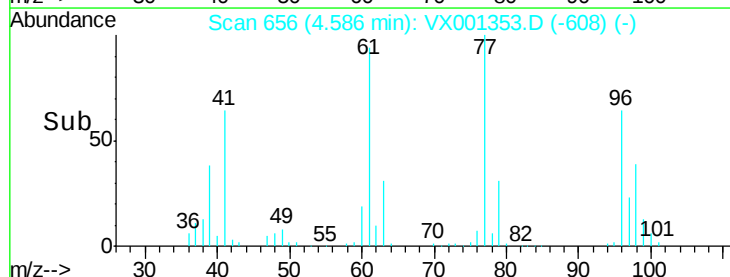
30000

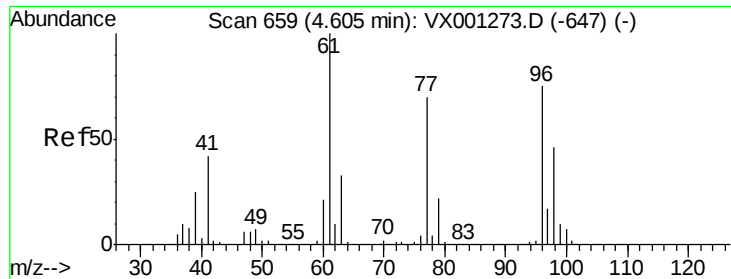
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 43.78 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

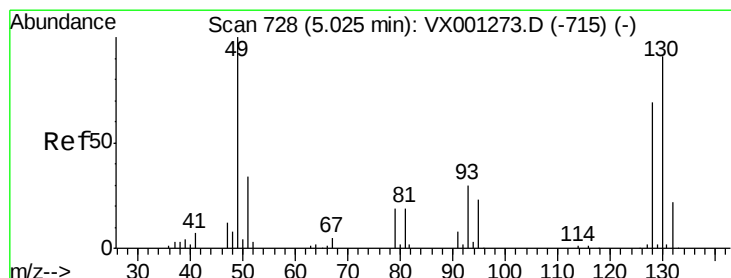
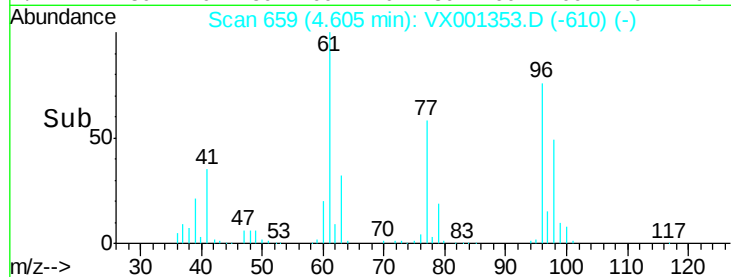
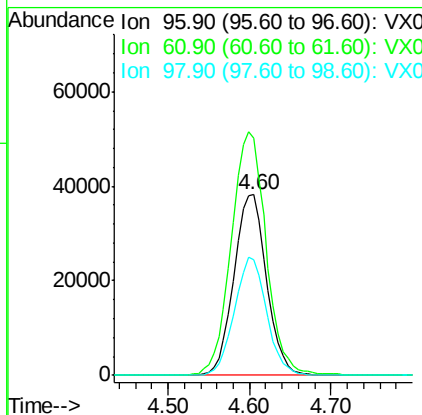
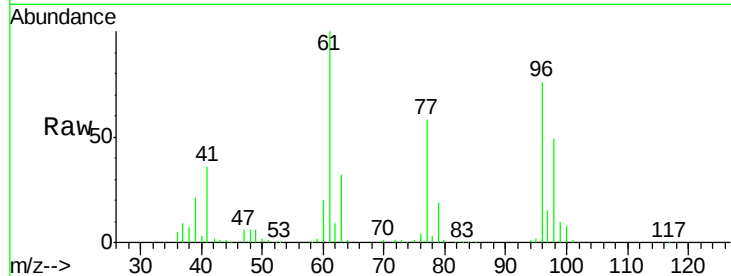
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	105841
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	288.0
98	64.6	0.0	130.2

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#28

Bromochloromethane

Concen: 53.24 ug/l

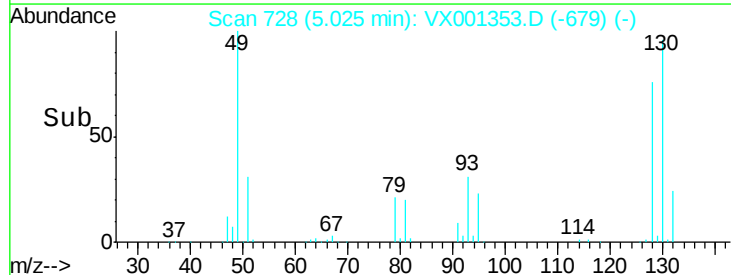
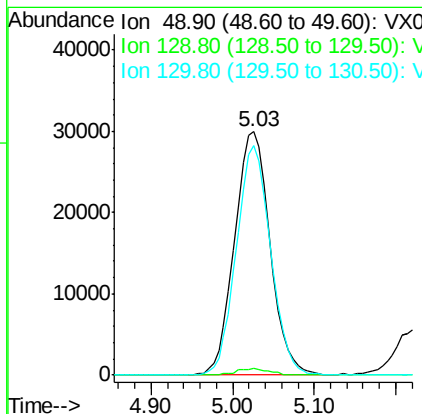
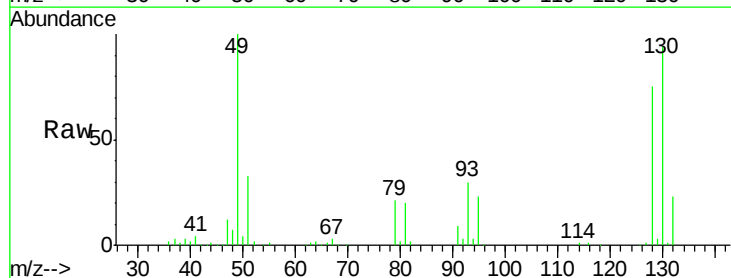
RT: 5.03 min Scan# 728

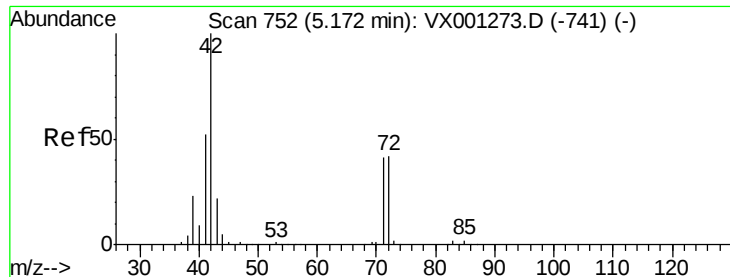
Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Tgt Ion:	49	Resp:	90781
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	90.8	70.4	105.6





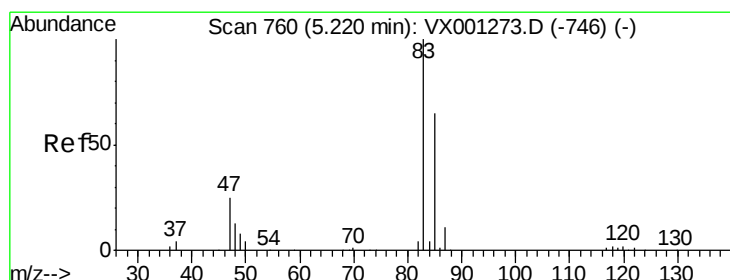
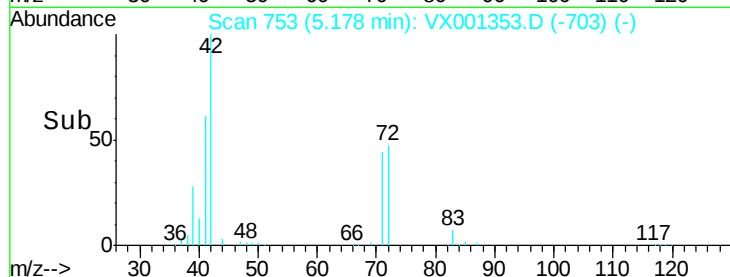
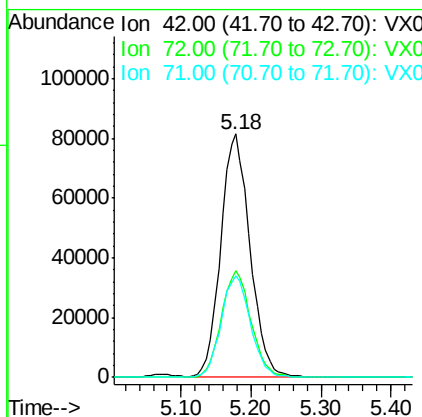
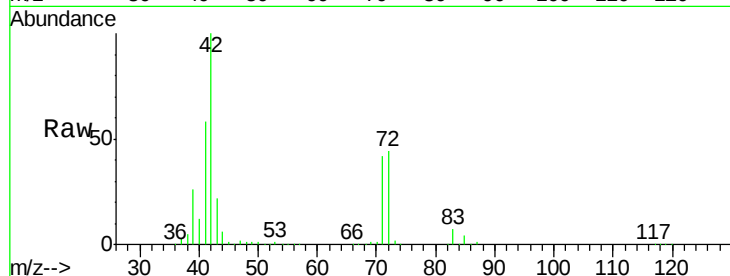
#29
Tetrahydrofuran
Concen: 237.75 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.6	52.0
71	41.9	32.7	49.1

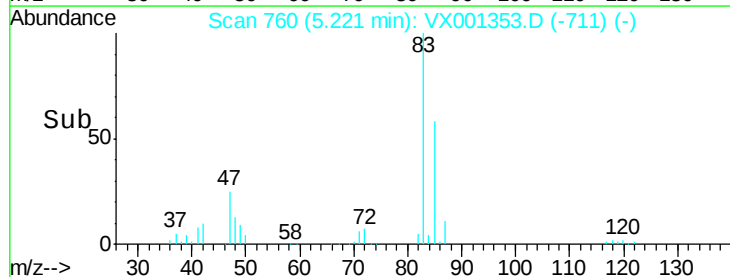
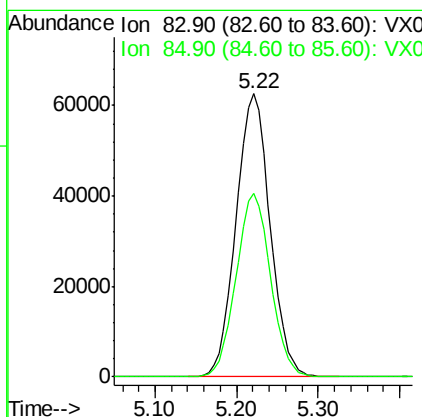
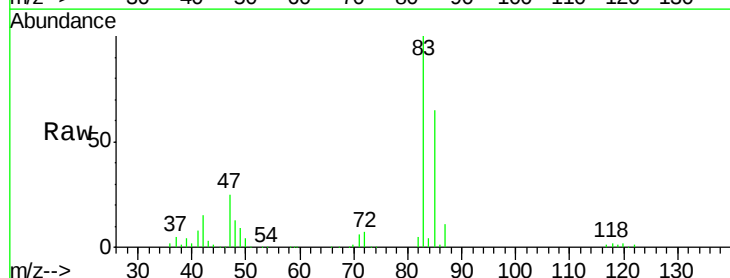
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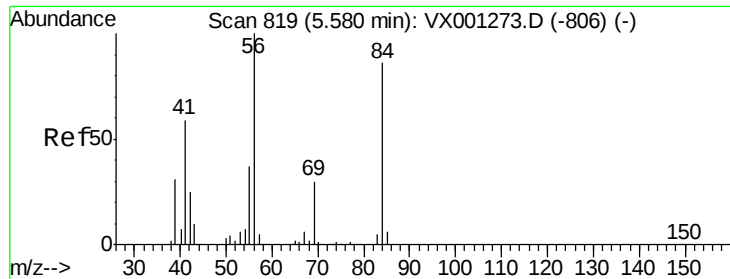
MMDadoda
5/5/2018 11:28:29 PM



#30
Chloroform
Concen: 45.30 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.2





#31

Cyclohexane

Concen: 43.25 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

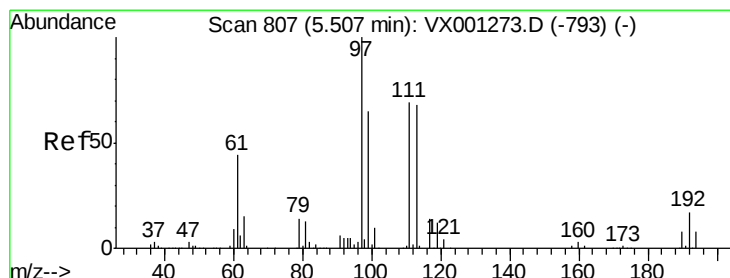
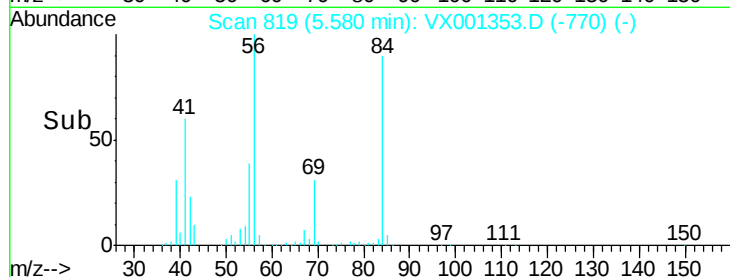
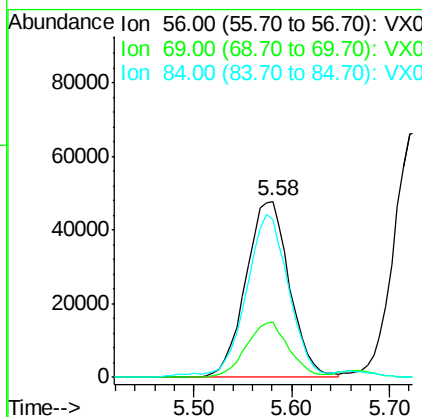
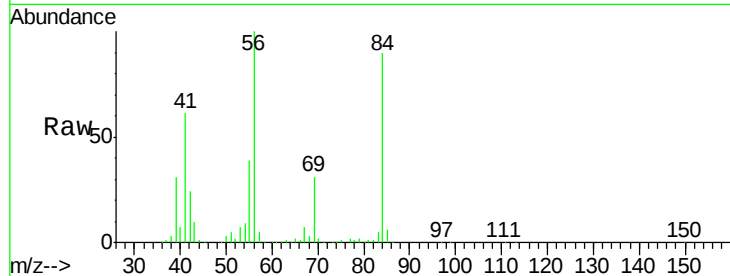
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	148170
Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.0	36.0
84	88.1	69.0	103.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.41 ug/l

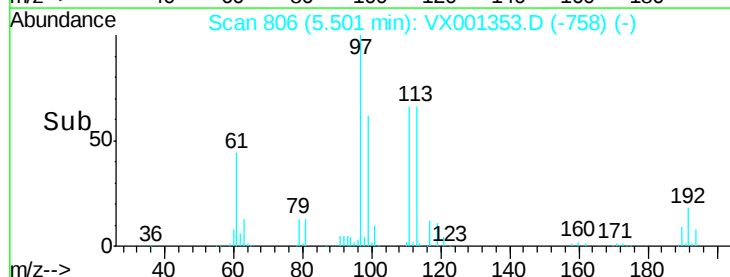
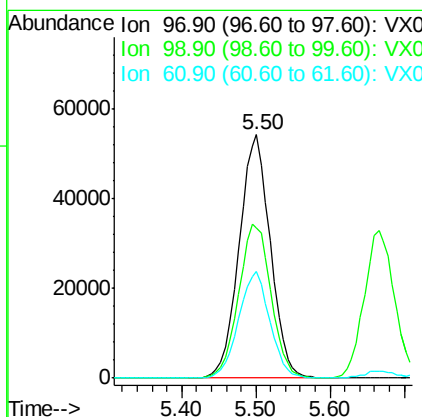
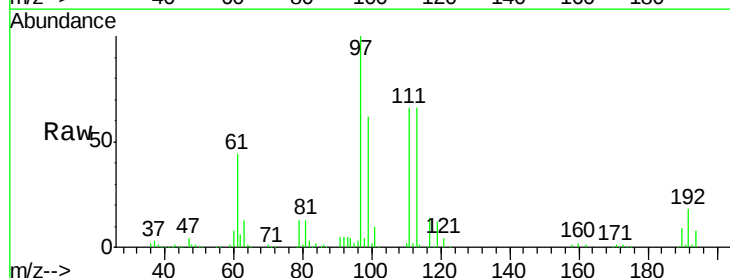
RT: 5.50 min Scan# 806

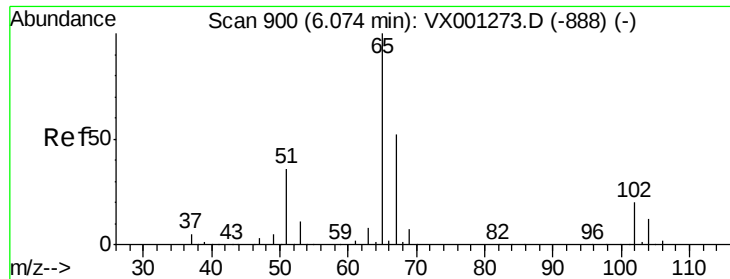
Delta R.T. -0.01 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Tgt Ion:	97	Resp:	159114
Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.8	77.6
61	44.1	35.4	53.2





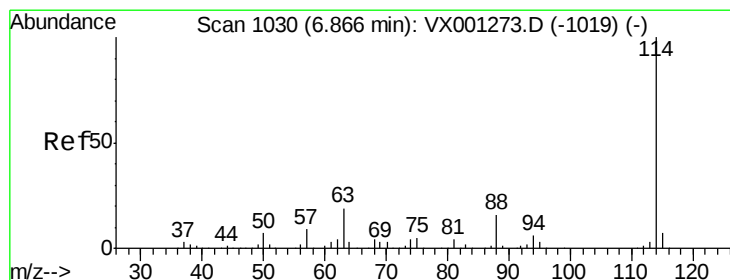
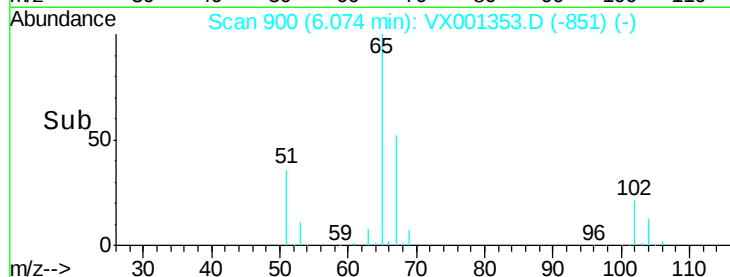
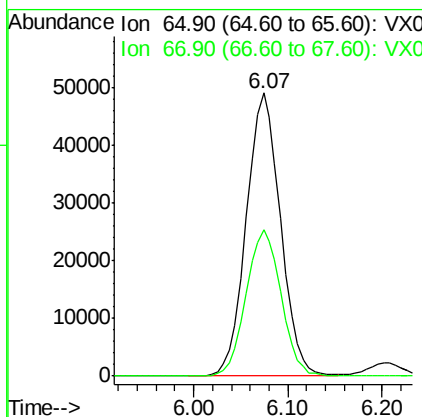
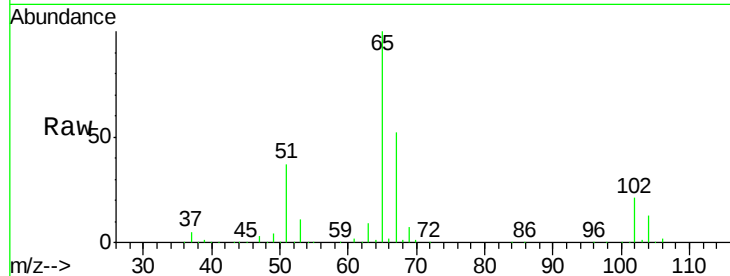
#33
 1,2-Dichloroethane-d4
 Concen: 44.97 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001353.D
 Acq: 03 May 2018 12:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	102.8

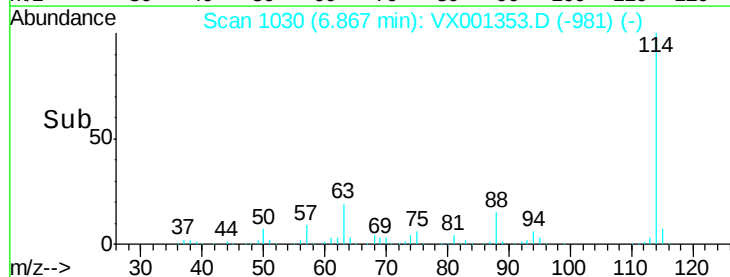
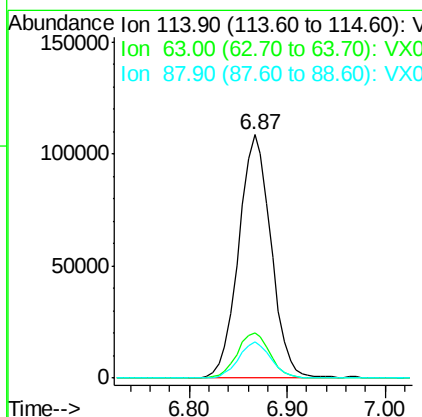
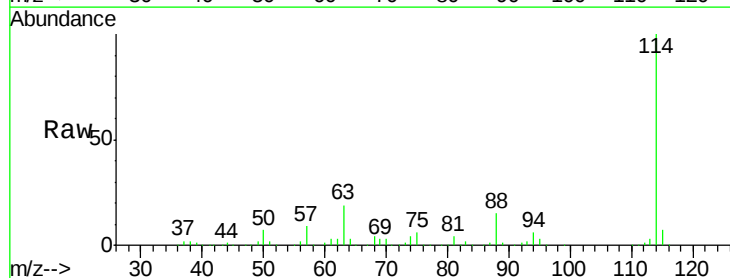
Manual Integrations
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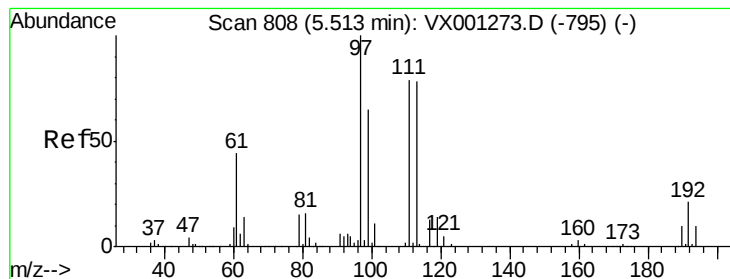
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001353.D
 Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.8
88	15.1	0.0	32.2





#35

Dibromofluoromethane

Concen: 50.19 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

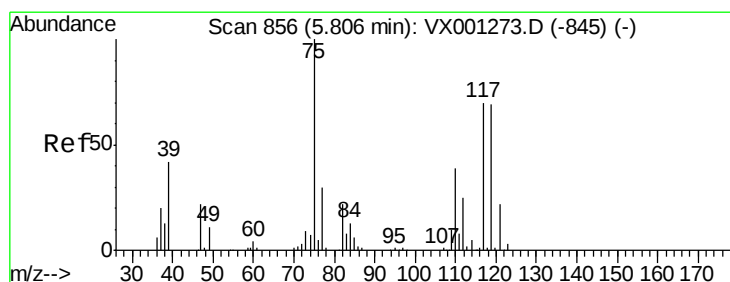
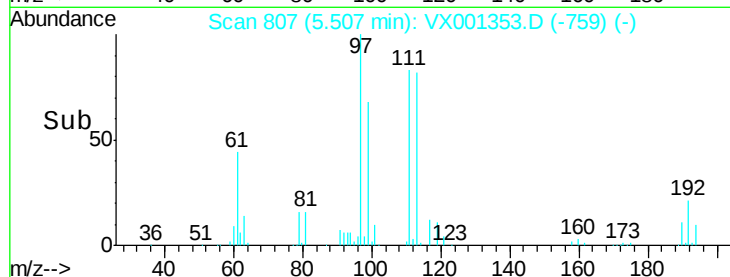
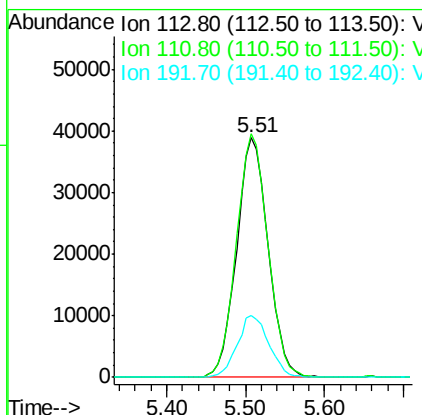
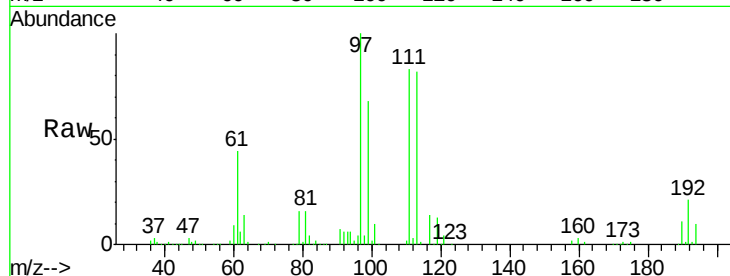
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	108136
Ion Ratio	Lower	Upper	
113	100		
111	101.5	81.2	121.8
192	25.8	20.7	31.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 45.96 ug/l

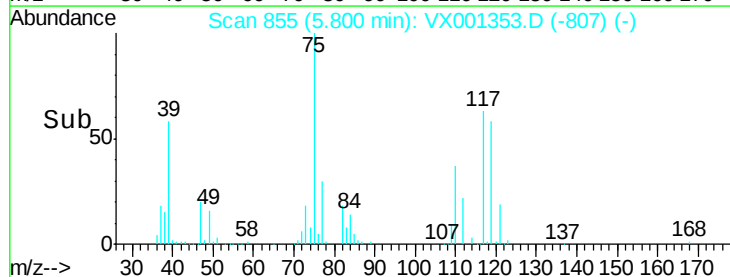
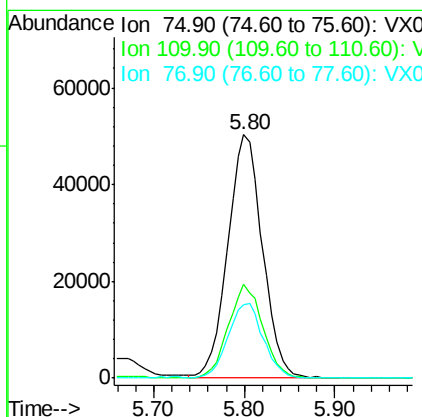
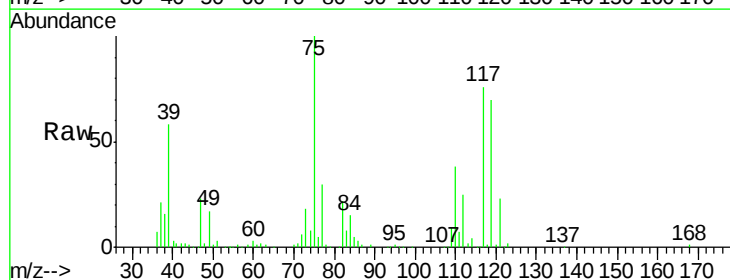
RT: 5.80 min Scan# 855

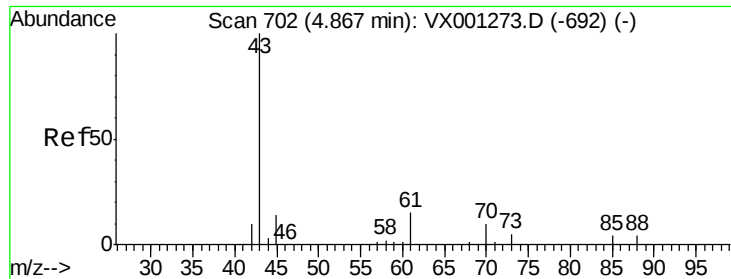
Delta R.T. -0.01 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Tgt Ion:	75	Resp:	132643
Ion Ratio	Lower	Upper	
75	100		
110	38.4	18.9	56.9
77	31.3	24.2	36.2





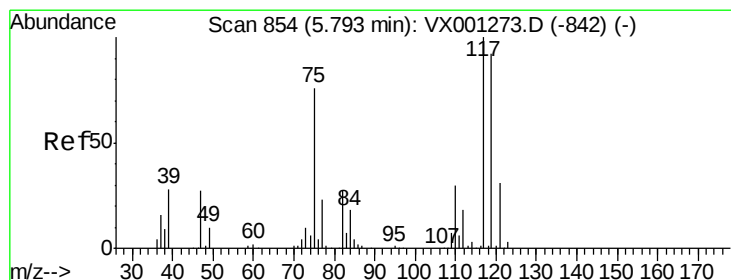
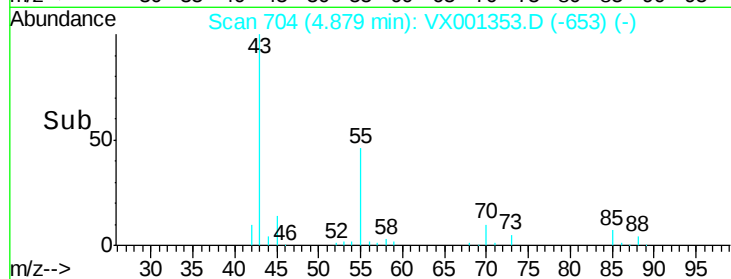
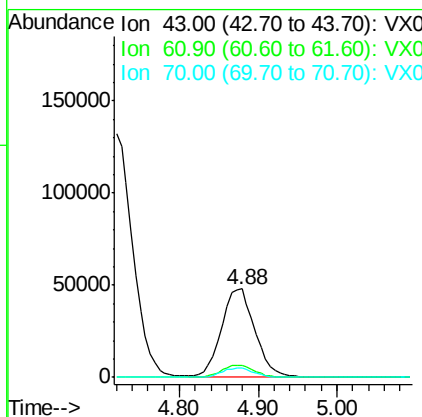
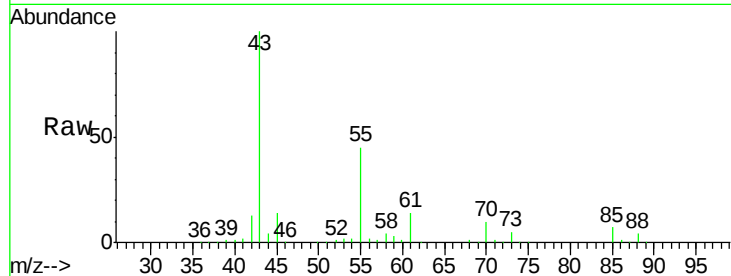
#37
Ethyl Acetate
Concen: 48.43 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	141131
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.7	16.1
70	10.2	8.0	12.0

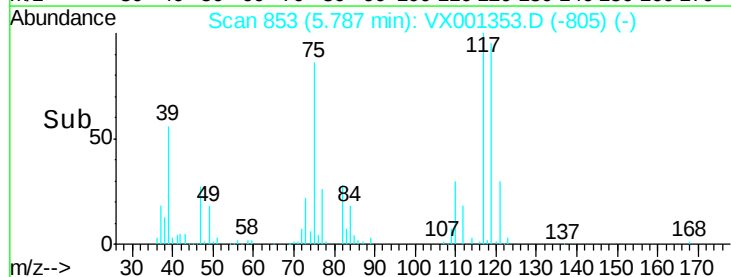
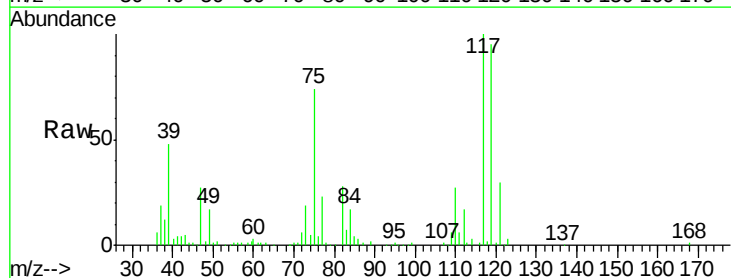
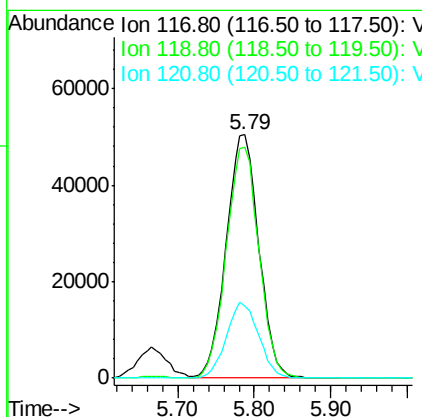
Manual Integrations
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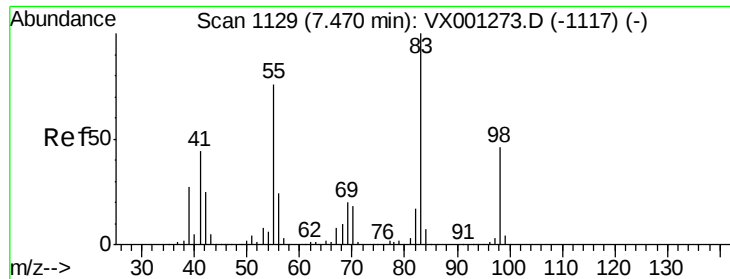
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.23 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Tgt Ion:	117	Resp:	148863
Ion	Ratio	Lower	Upper
117	100		
119	94.7	73.4	110.2
121	29.8	25.0	37.4





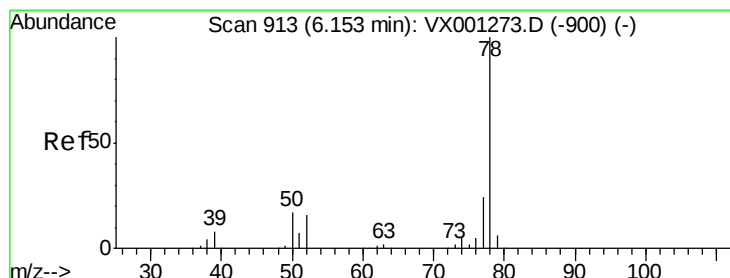
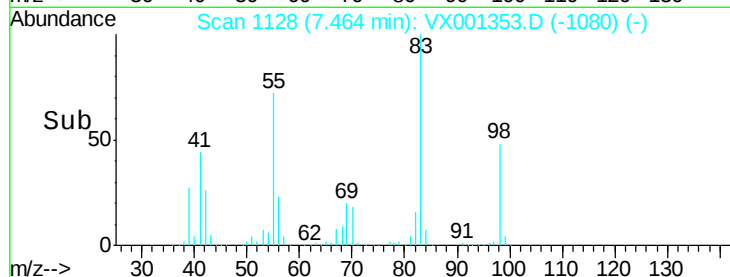
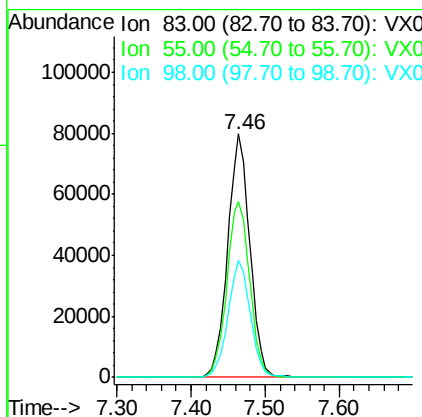
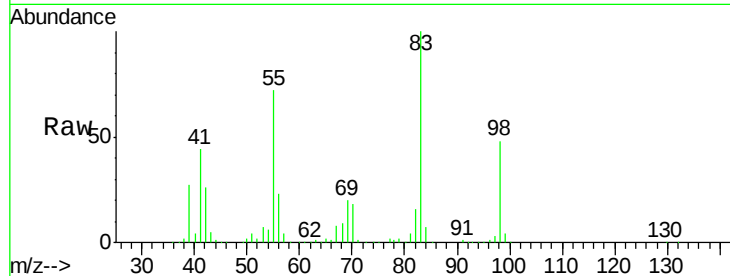
#39
Methvlcvclohexane
Concen: 48.64 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	166051		
55	72.3		60.4	90.6
98	47.8		37.0	55.6

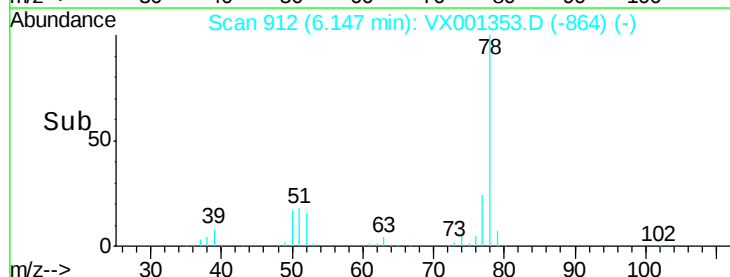
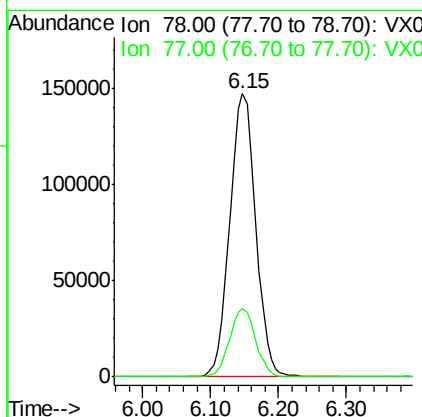
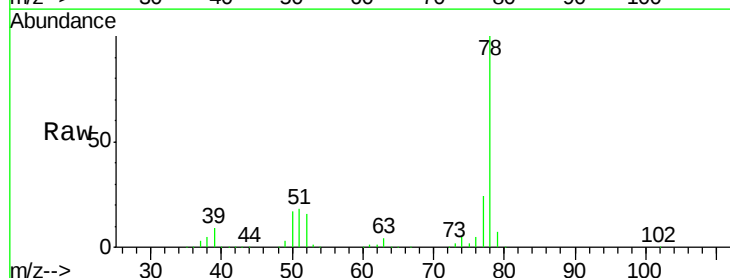
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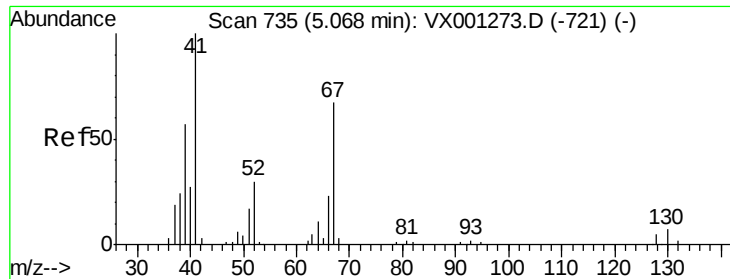
MMDadoda
5/5/2018 11:28:29 PM



#40
Benzene
Concen: 46.95 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	389826		
77	24.3		19.0	28.4





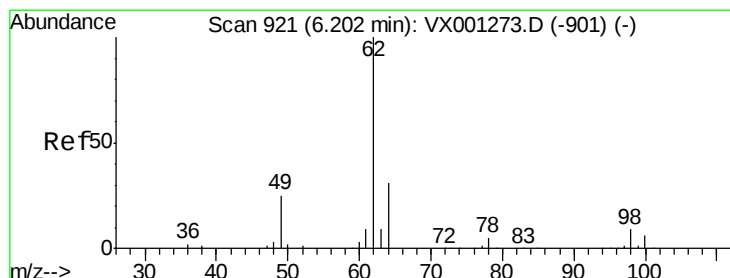
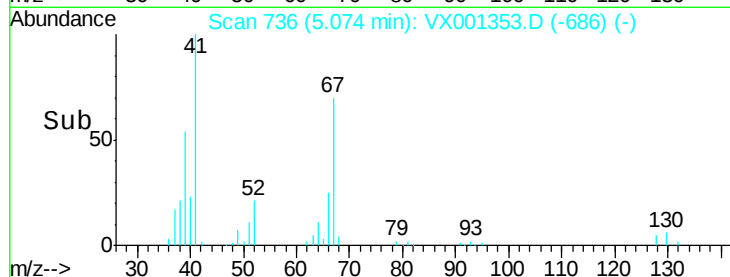
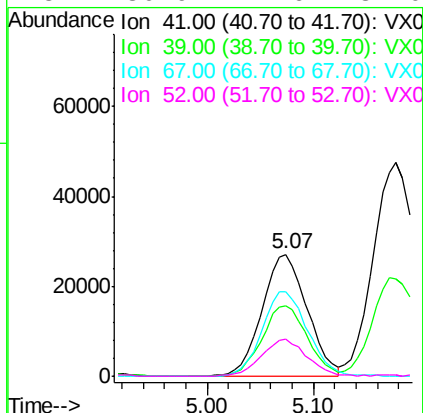
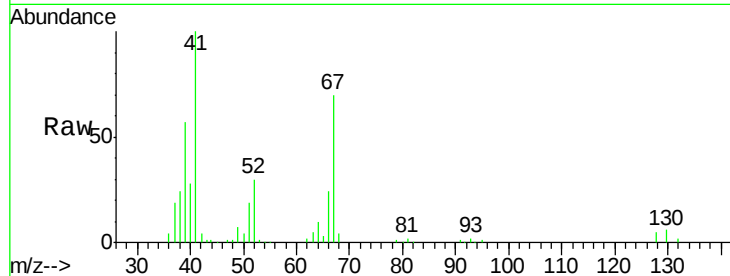
#41
Methacrylonitrile
Concen: 46.98 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:	41	Resp:	79739
Ion	Ratio	Lower	Upper
41	100		
39	57.7	45.8	68.8
67	70.5	54.8	82.2
52	30.9	24.6	37.0

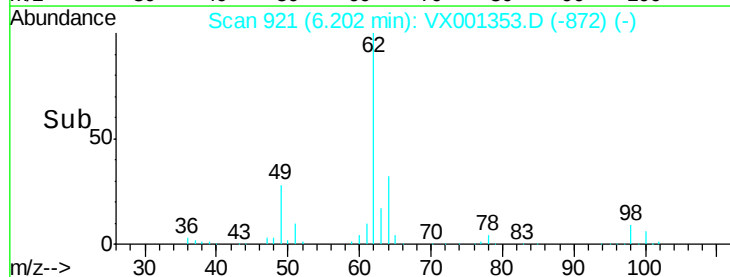
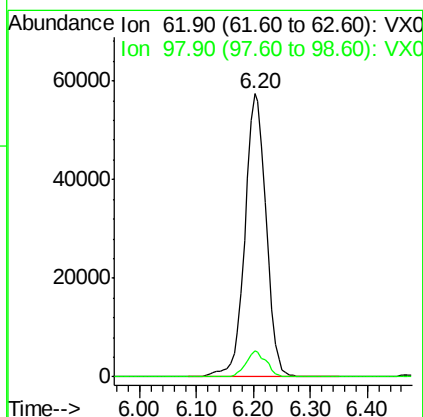
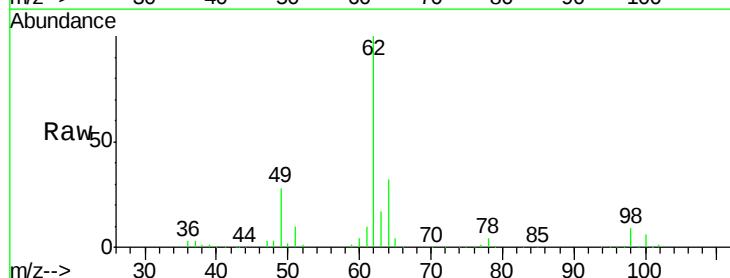
Manual Integrations
APPROVED

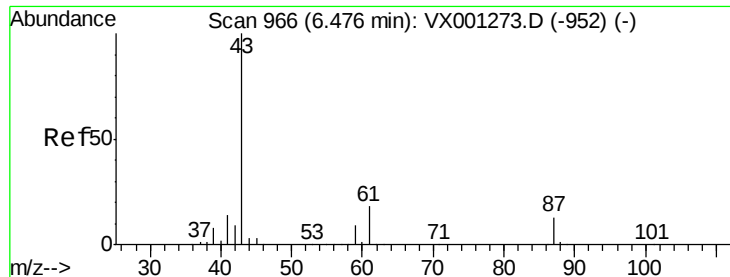
MMDadoda
5/5/2018 11:28:29 PM



#42
1,2-Dichloroethane
Concen: 46.37 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Tgt Ion:	62	Resp:	149064
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.2





#43

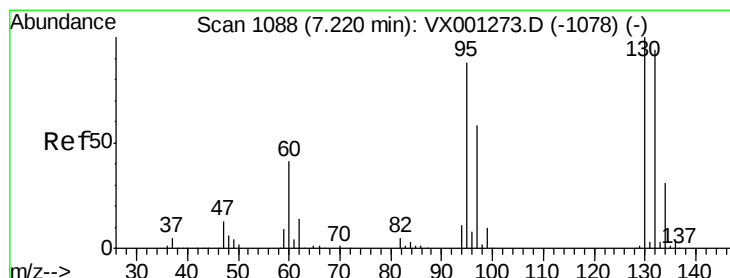
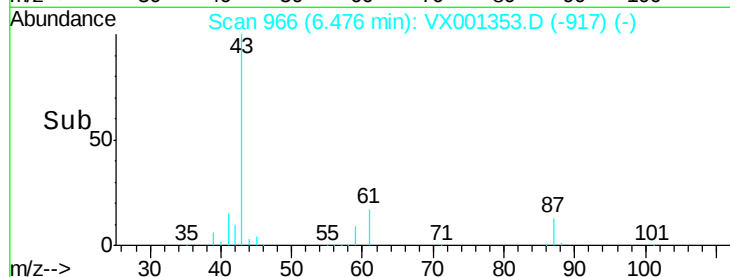
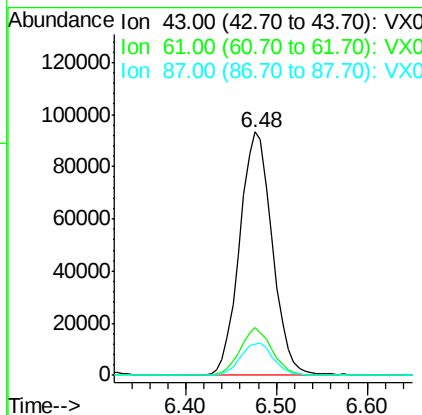
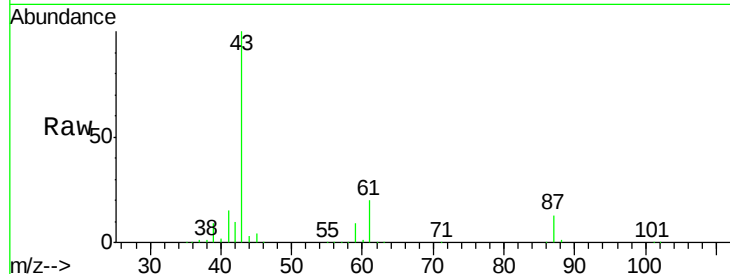
Isopropyl Acetate
 Concen: 49.18 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001353.D
 Acq: 03 May 2018 12:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.0	22.4
87	13.3	10.2	15.4

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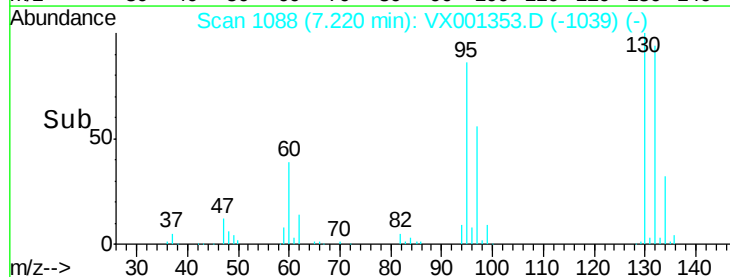
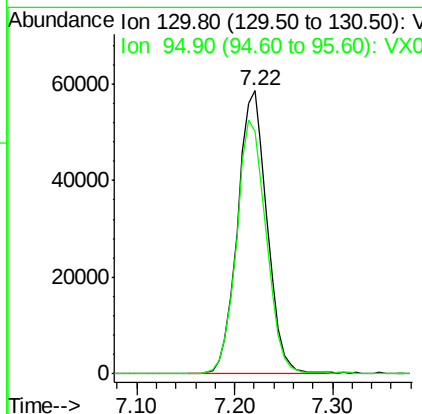
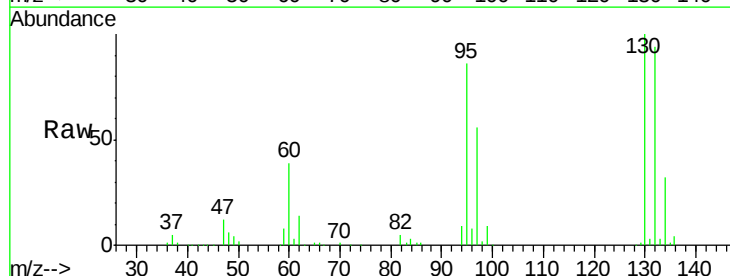
MMDadoda
 5/5/2018 11:28:29 PM

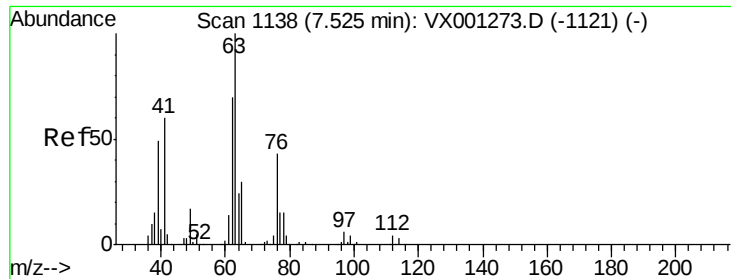


#44

Trichloroethene
 Concen: 48.13 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001353.D
 Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.7	0.0	176.0





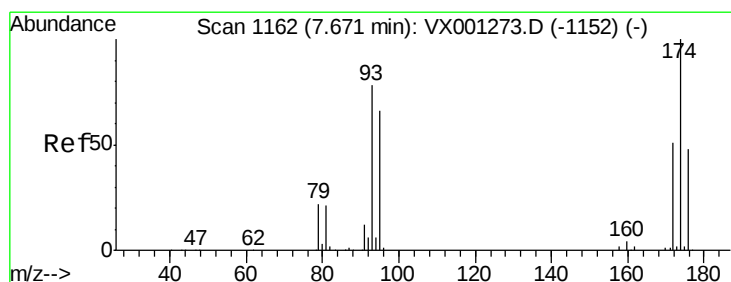
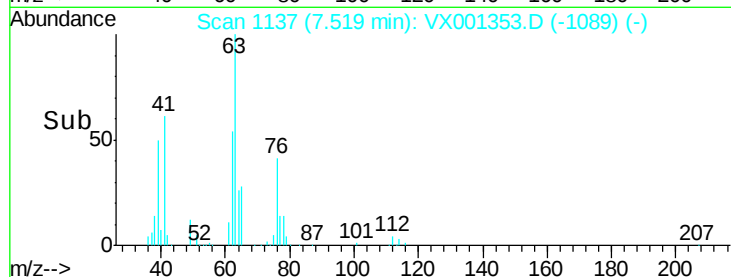
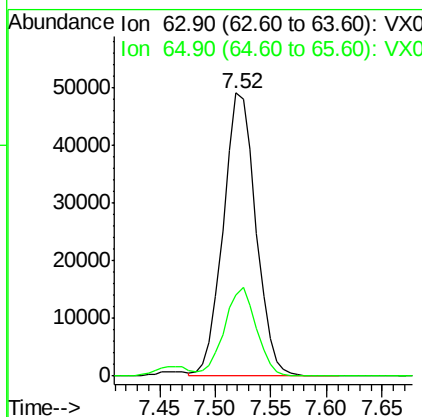
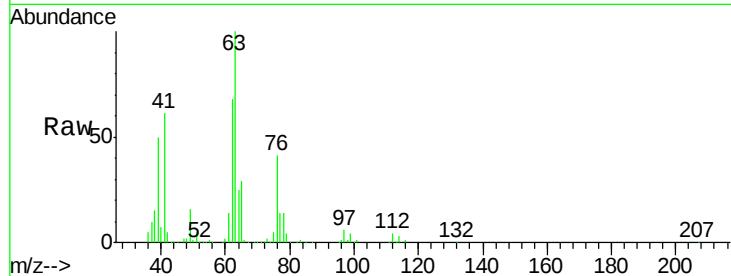
#45
 1,2-Dichloropropane
 Concen: 46.88 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX001353.D
 Acq: 03 May 2018 12:12

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 99957
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.2 36.4

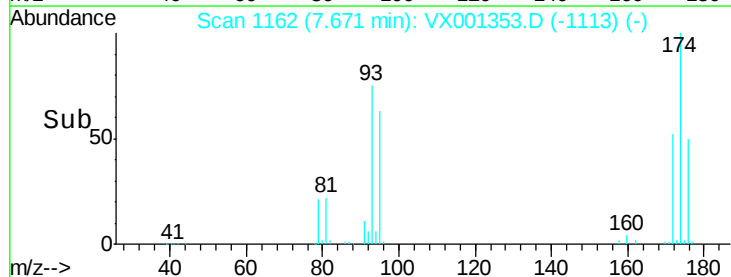
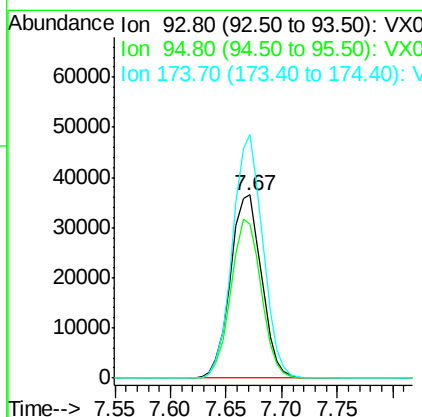
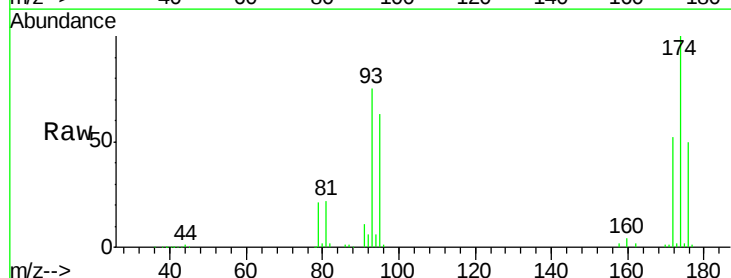
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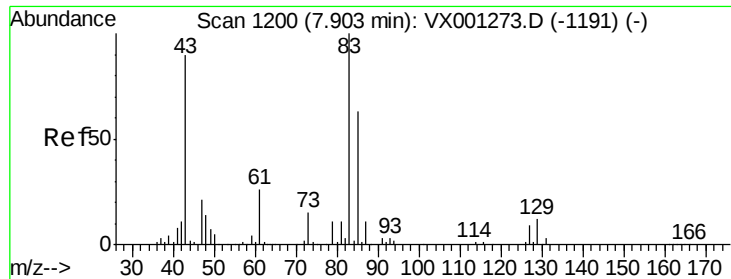
MMDadoda
 5/5/2018 11:28:29 PM



#46
 Dibromomethane
 Concen: 47.58 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001353.D
 Acq: 03 May 2018 12:12

Tgt Ion: 93 Resp: 71117
 Ion Ratio Lower Upper
 93 100
 95 84.9 67.0 100.6
 174 128.8 102.3 153.5





#47

Bromodichloromethane

Concen: 49.60 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

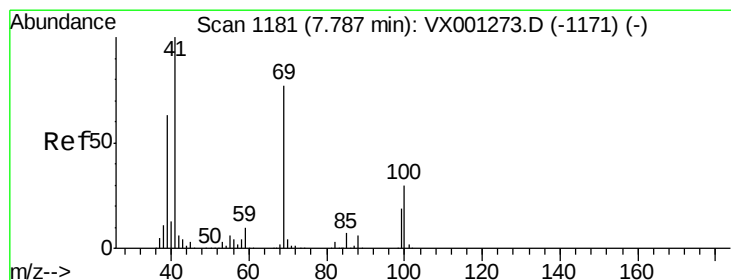
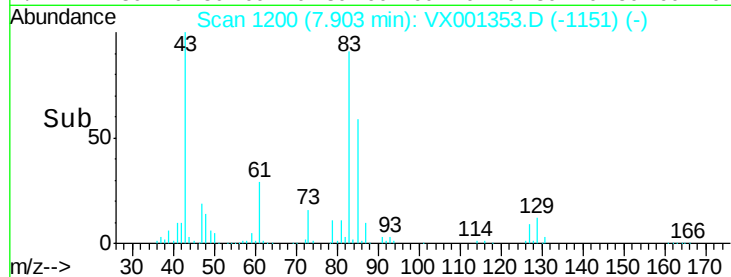
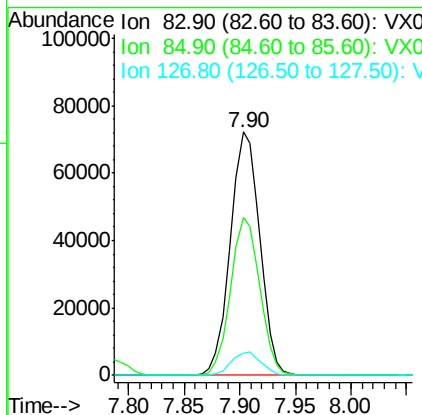
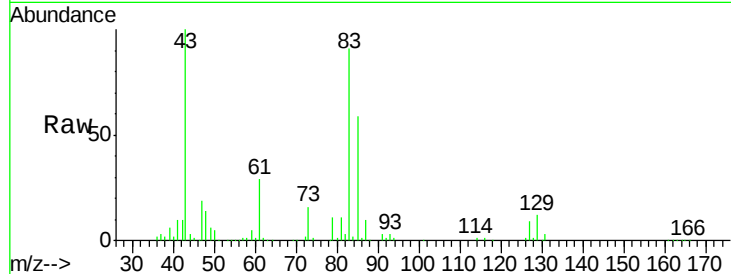
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	132533
Ion Ratio	Lower	Upper	
83	100		
85	65.0	50.3	75.5
127	9.4	7.4	11.2

Manual Integrations
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5/5/2018 11:28:29 PM



#48

Methyl methacrylate

Concen: 48.85 ug/l

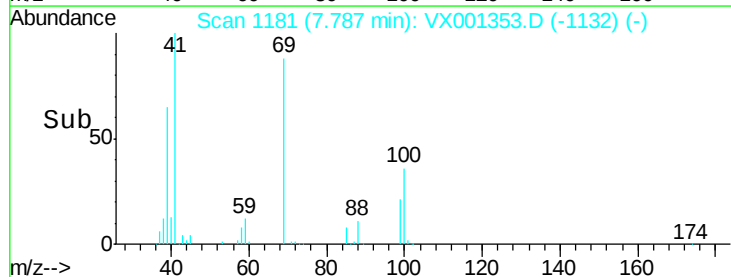
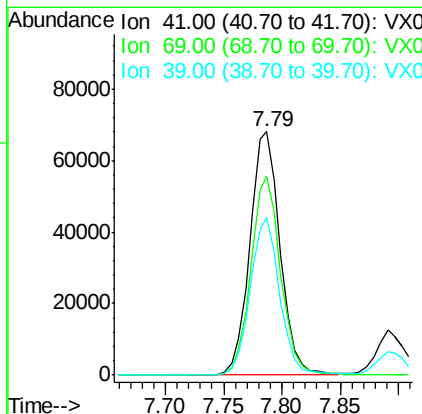
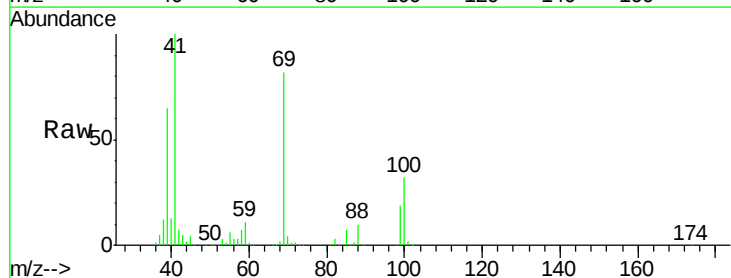
RT: 7.79 min Scan# 1181

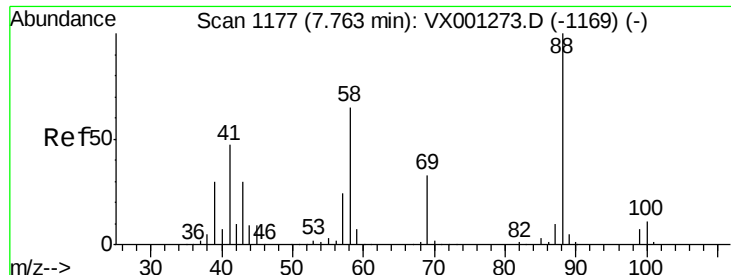
Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Tgt Ion:	41	Resp:	122529
Ion Ratio	Lower	Upper	
41	100		
69	80.9	63.0	94.6
39	63.4	50.2	75.4





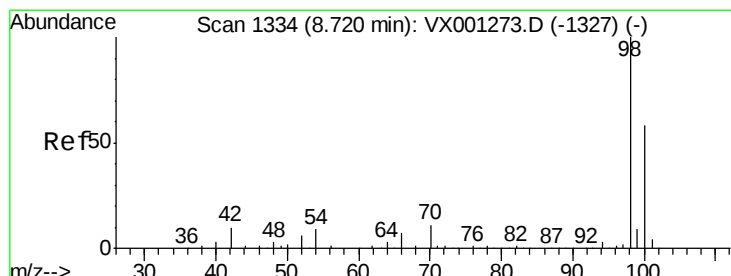
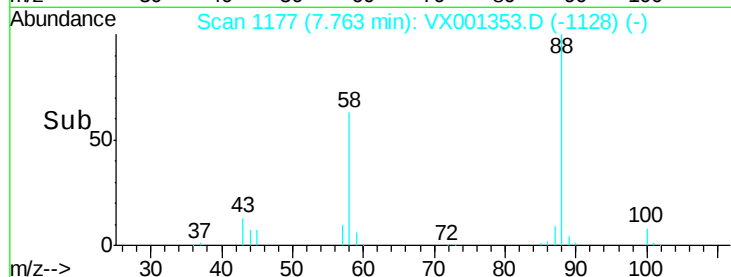
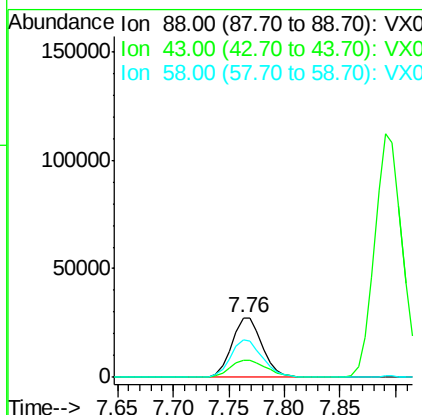
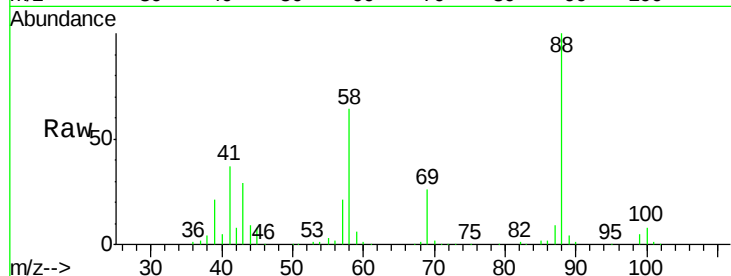
#49
1,4-Dioxane
Concen: 1100.86 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	27.9	41.9
58	65.8	54.2	81.2

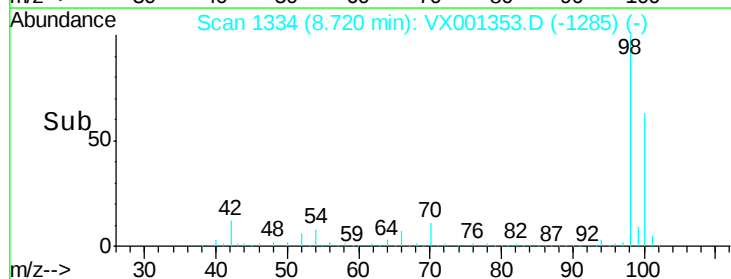
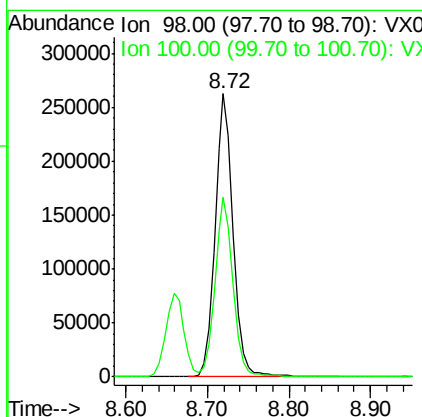
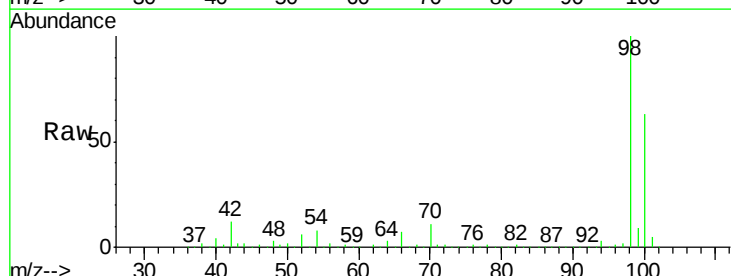
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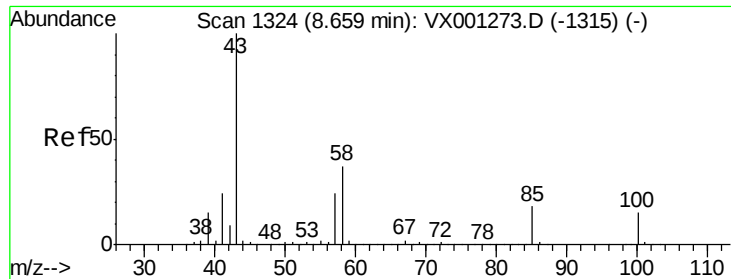
MMDadoda
5/5/2018 11:28:29 PM



#50
Toluene-d8
Concen: 52.79 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 261.71 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 796097

Ion Ratio Lower Upper

43 100

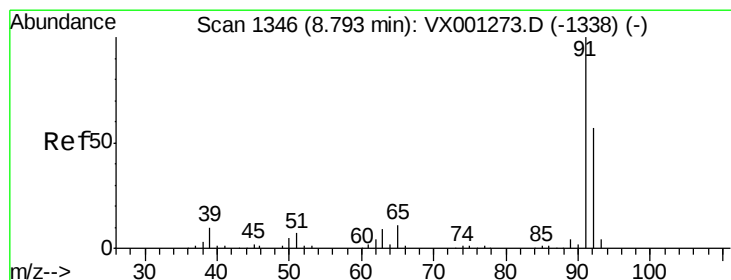
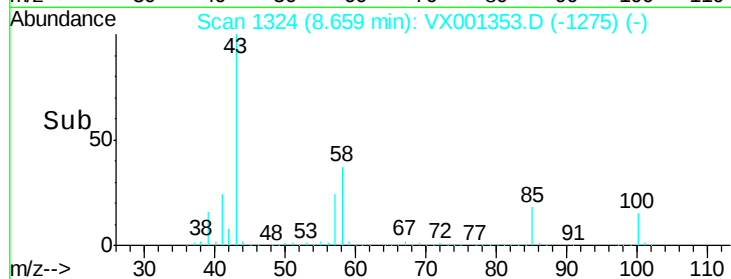
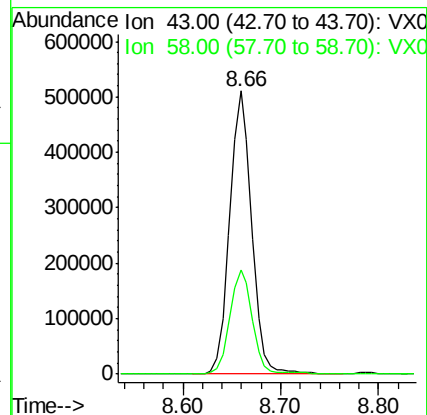
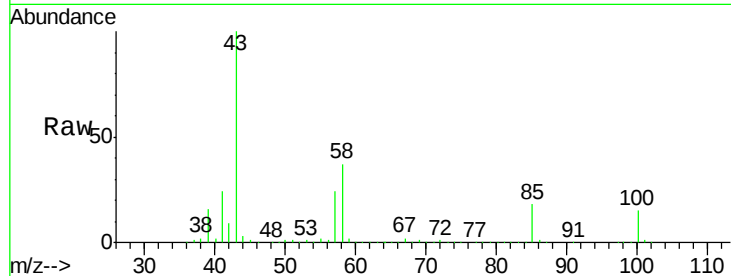
58 37.0 29.0 43.6

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#52

Toluene

Concen: 48.45 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001353.D

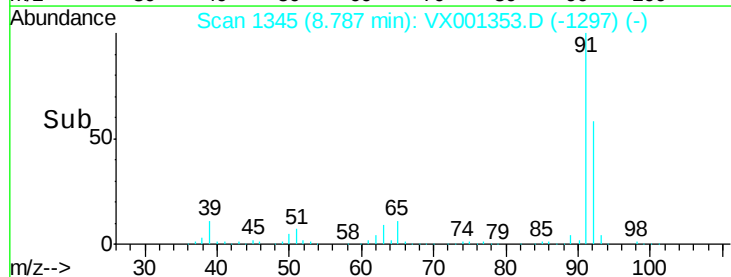
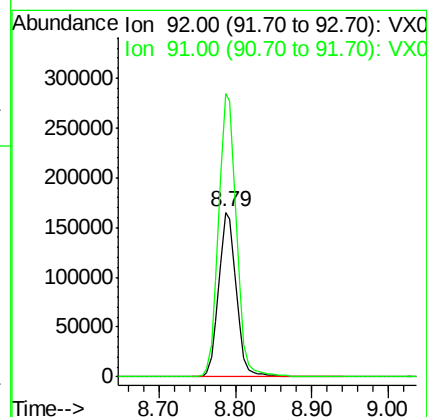
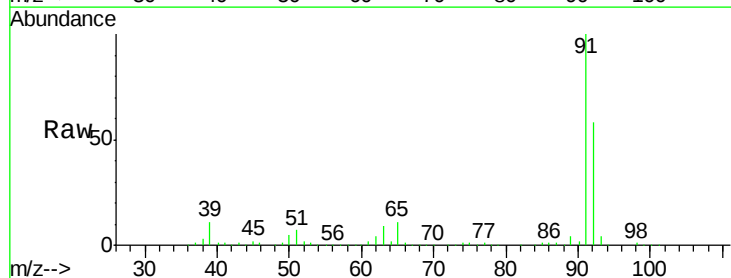
Acq: 03 May 2018 12:12

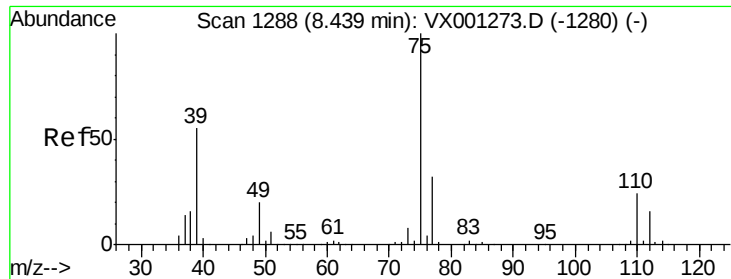
Tgt Ion: 92 Resp: 262977

Ion Ratio Lower Upper

92 100

91 174.5 139.0 208.6





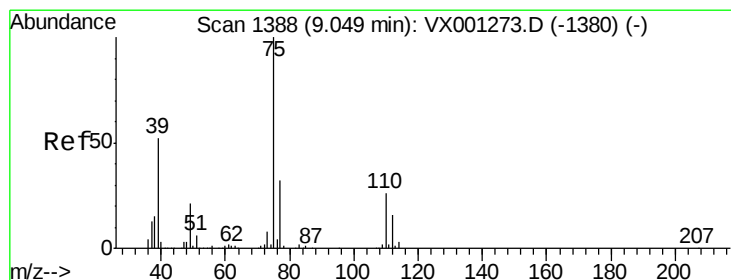
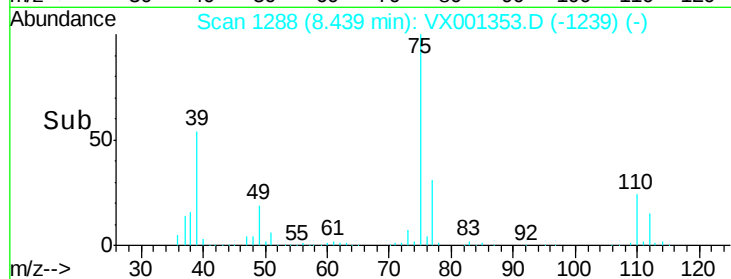
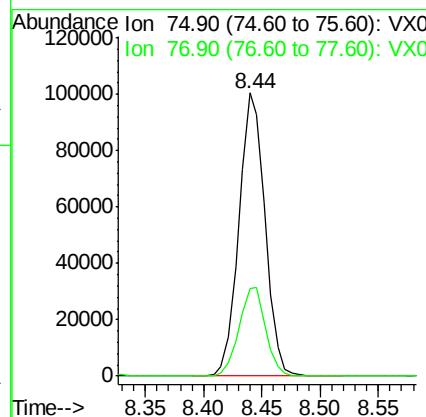
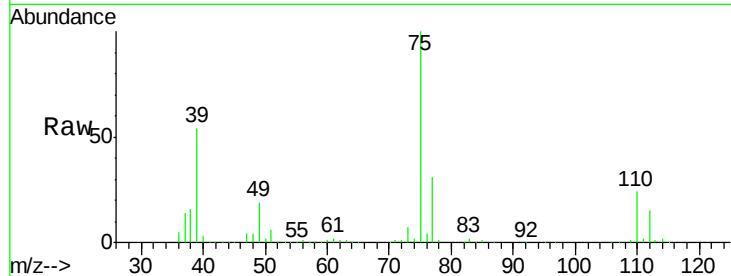
#53
t-1,3-Dichloropropene
Concen: 49.30 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.6	38.4

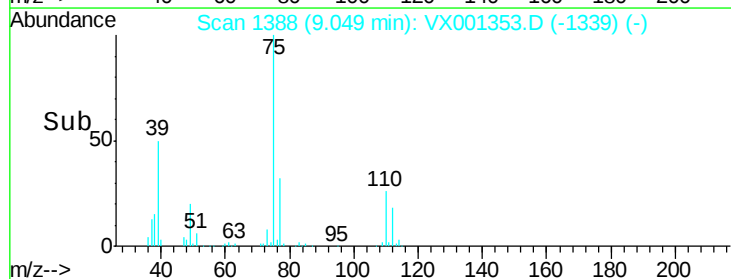
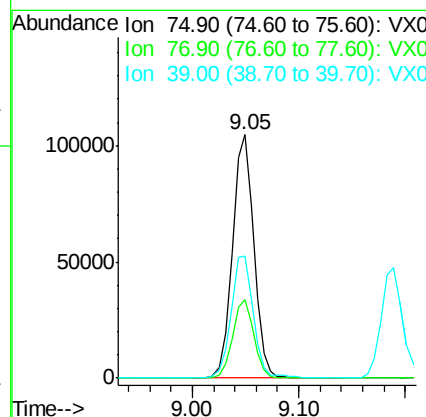
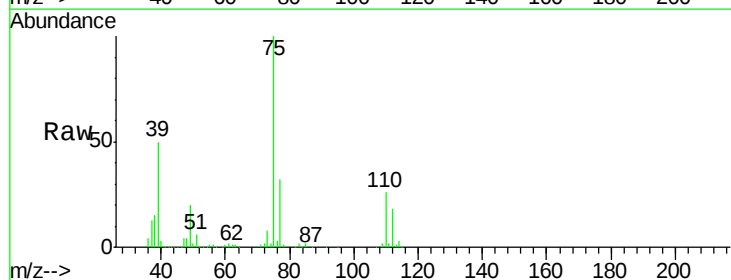
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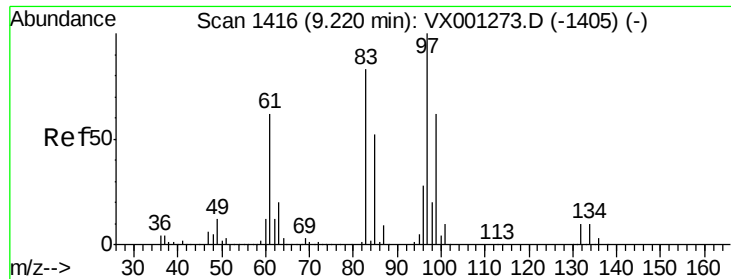
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#54
cis-1,3-Dichloropropene
Concen: 50.46 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.5	38.3
39	50.0	41.9	62.9





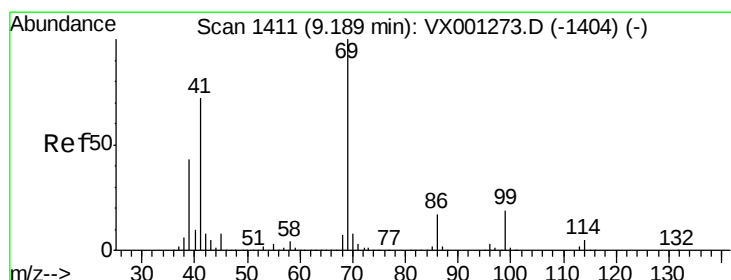
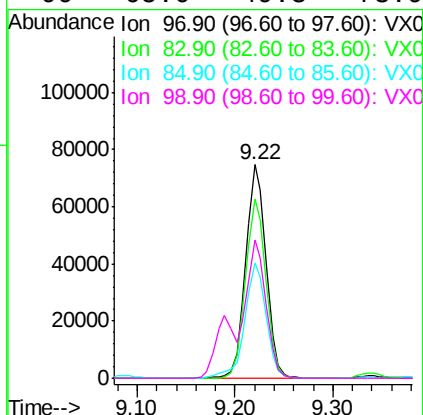
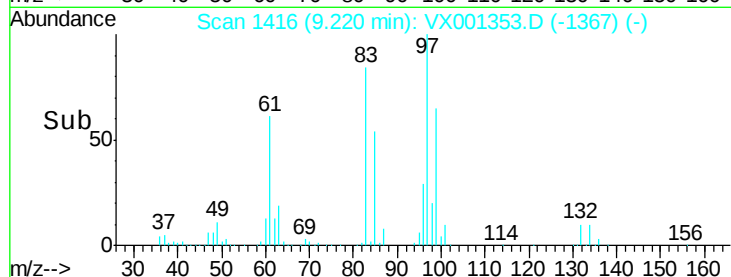
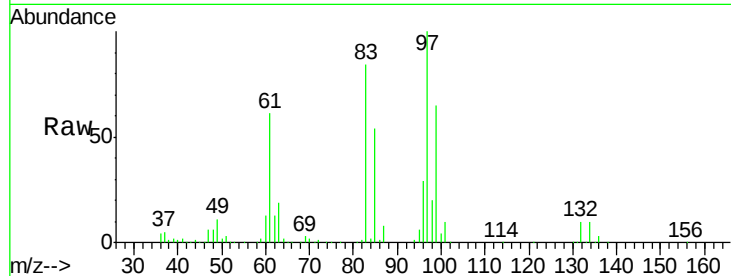
#55
 1,1,2-Trichloroethane
 Concen: 49.15 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001353.D
 Acq: 03 May 2018 12:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	107766
Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.4	99.6
85	54.0	41.6	62.4
99	65.0	49.3	73.9

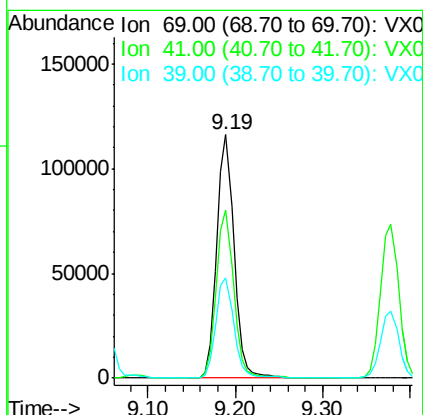
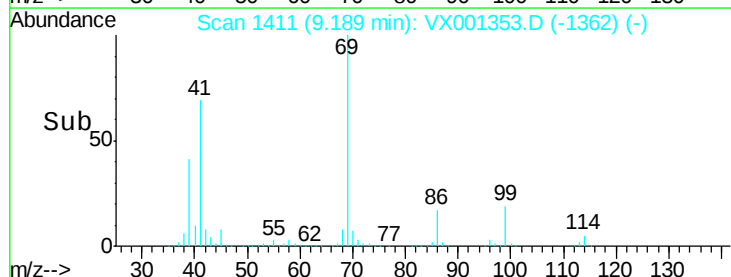
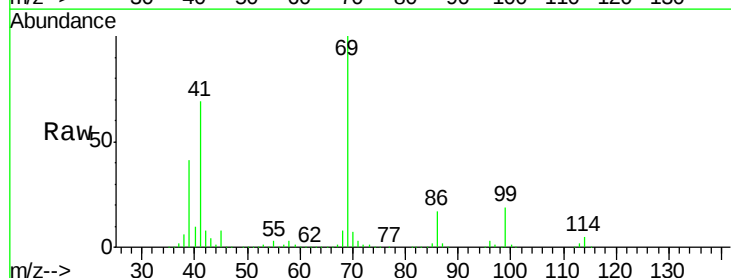
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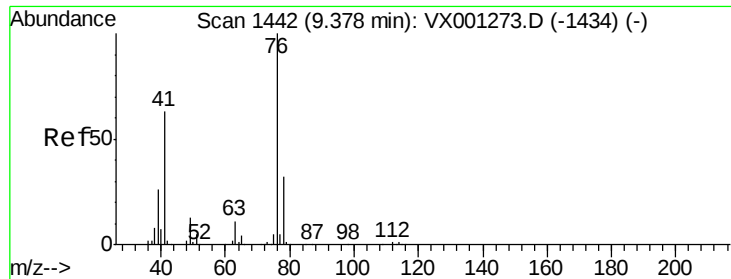
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#56
 Ethyl methacrylate
 Concen: 52.53 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001353.D
 Acq: 03 May 2018 12:12

Tgt Ion:	69	Resp:	159581
Ion	Ratio	Lower	Upper
69	100		
41	69.4	57.2	85.8
39	42.8	34.3	51.5





#57

1,3-Dichloropropane

Concen: 49.10 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 173146

Ion Ratio Lower Upper

76 100

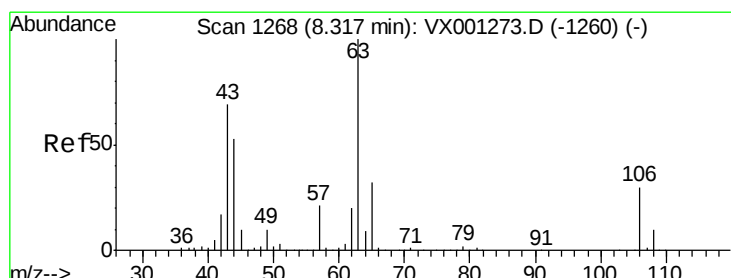
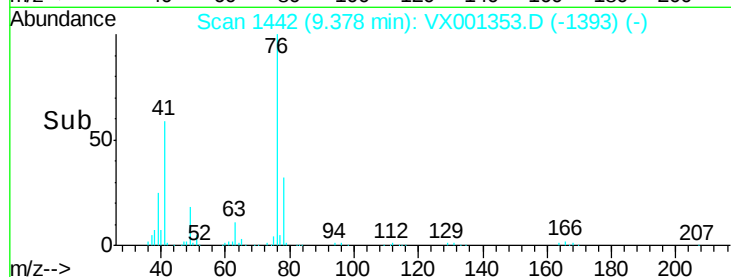
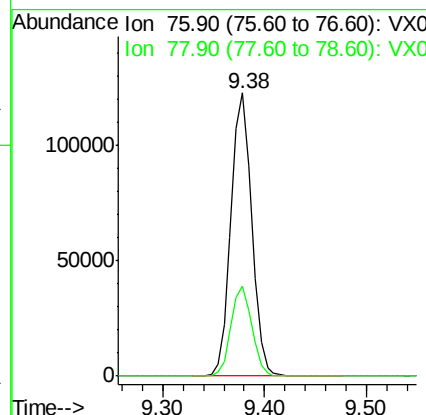
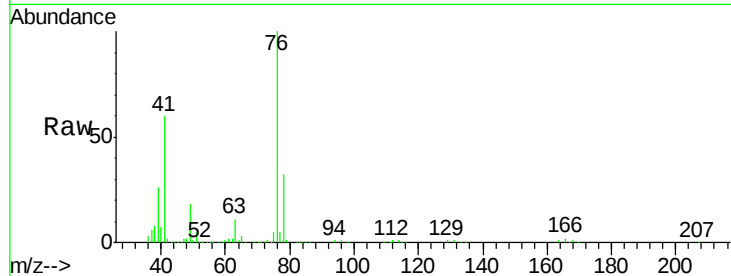
78 31.8 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 284.55 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX001353.D

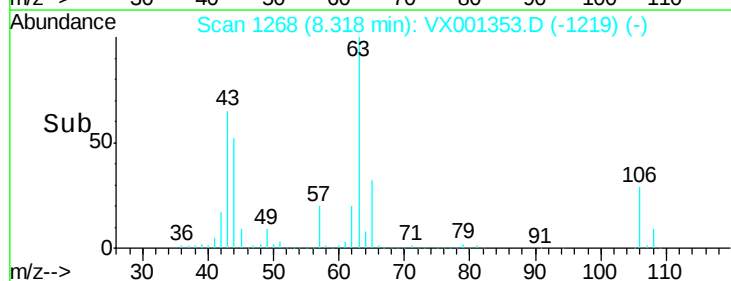
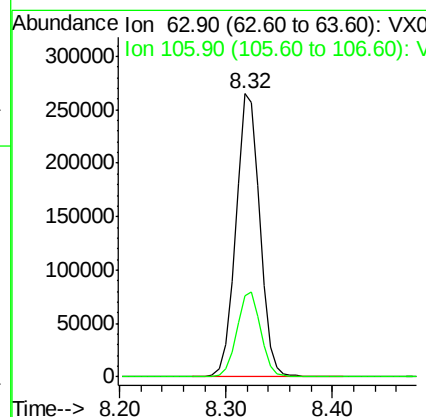
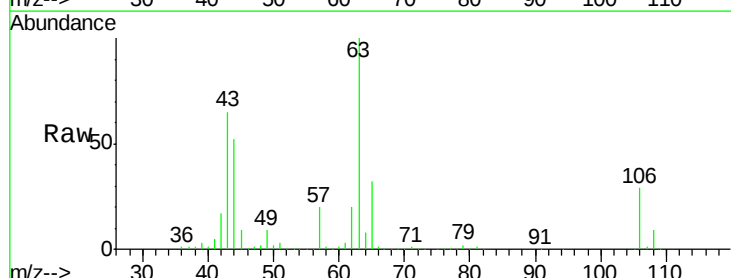
Acq: 03 May 2018 12:12

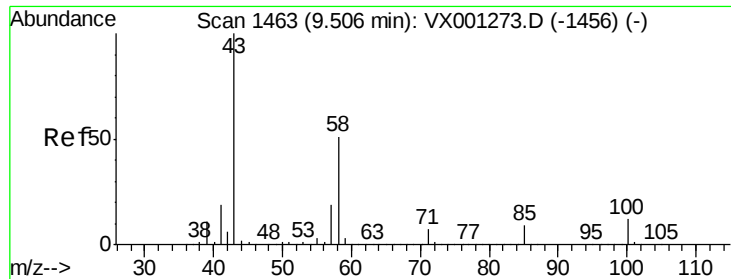
Tgt Ion: 63 Resp: 417048

Ion Ratio Lower Upper

63 100

106 30.0 23.8 35.6





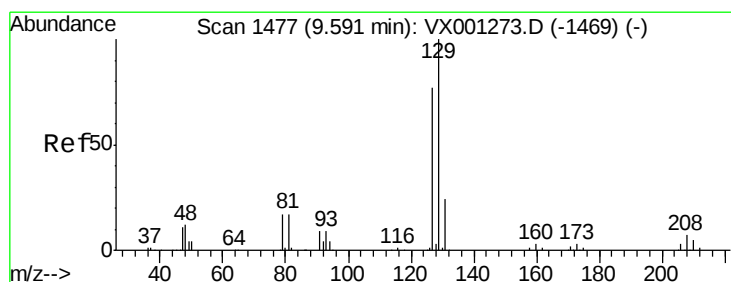
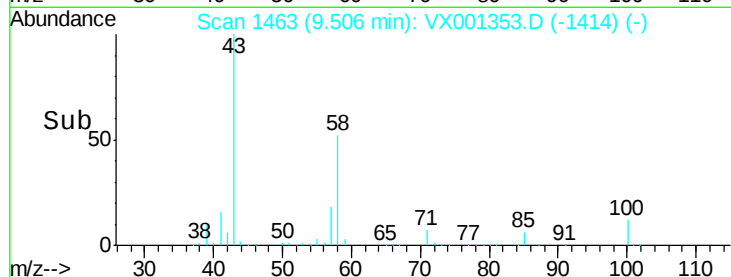
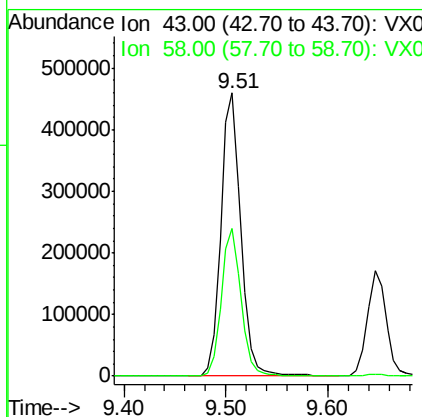
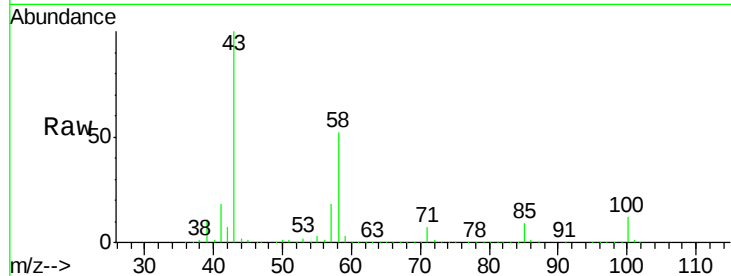
#59
2-Hexanone
Concen: 264.15 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 628026
Ion Ratio Lower Upper
43 100
58 51.5 25.7 77.0

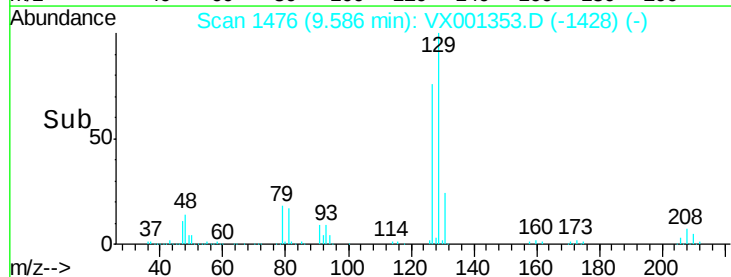
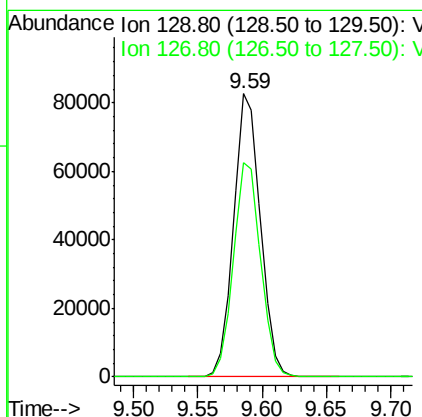
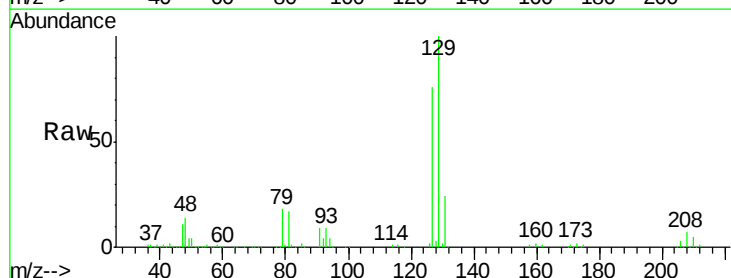
Manual Integrations
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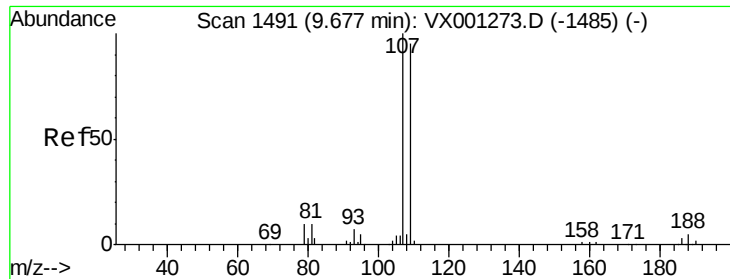
MMDadoda
5/5/2018 11:28:29 PM



#60
Dibromochloromethane
Concen: 52.29 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Tgt Ion: 129 Resp: 119591
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.3





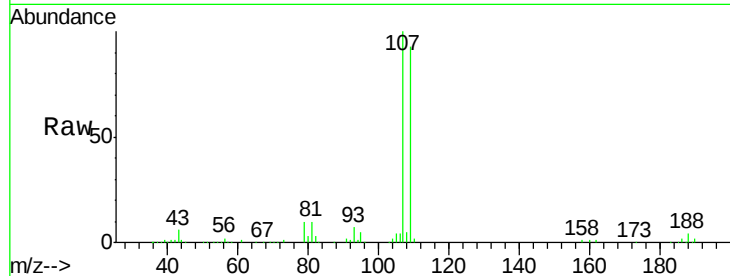
#61
 1,2-Dibromoethane
 Concen: 50.64 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX001353.D
 Acq: 03 May 2018 12:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

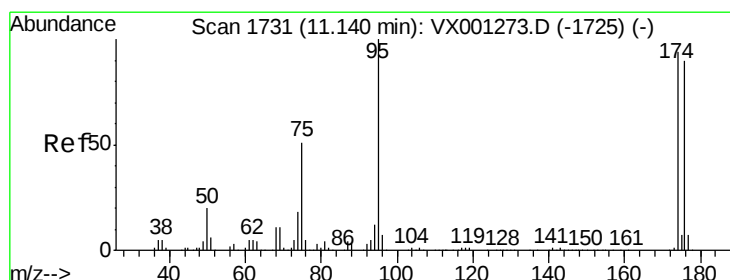
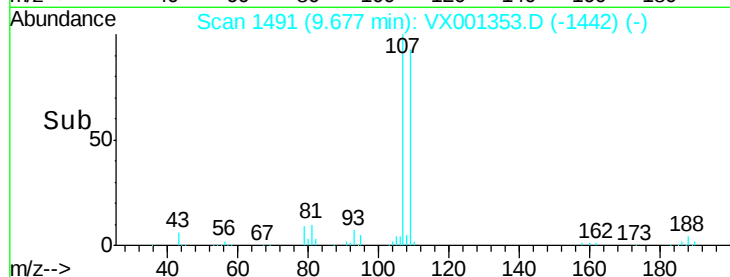
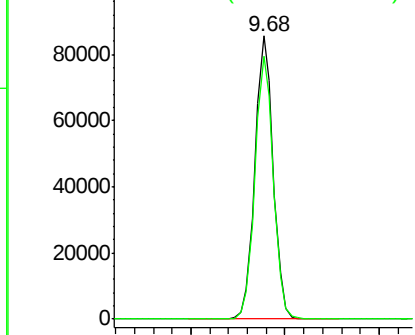
Tot Ion	Ratio	Resp	Lower	Upper
107	100	117672		
109	94.0	75.4	113.2	

Manual Integrations
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MMDadoda
 5/5/2018 11:28:29 PM

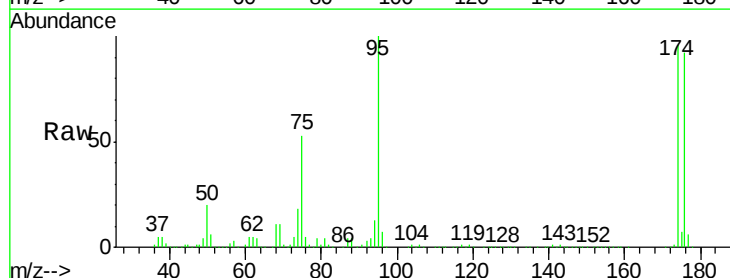


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

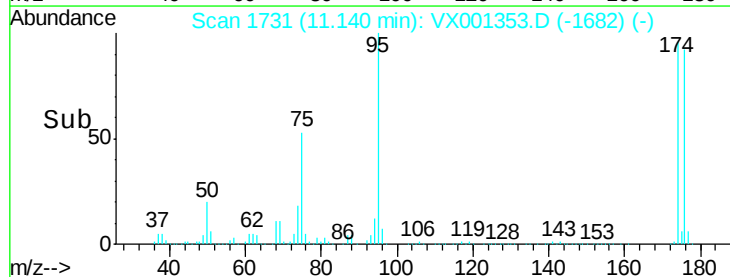
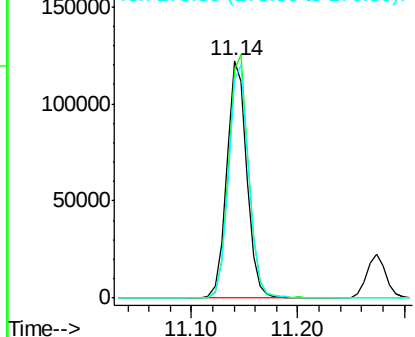


#62
 4-Bromofluorobenzene
 Concen: 52.26 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001353.D
 Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	160872		
174	102.9	0.0	201.8	
176	99.2	0.0	197.2	



Abundance Ion 94.90 (94.60 to 95.60): VX0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V





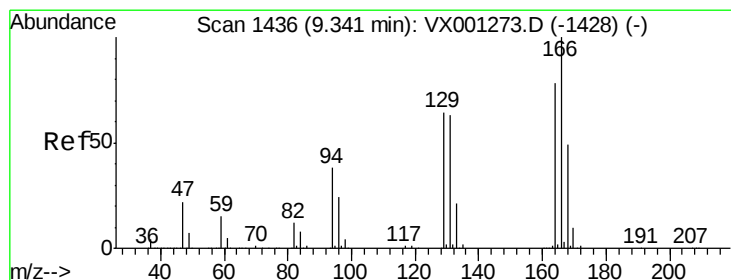
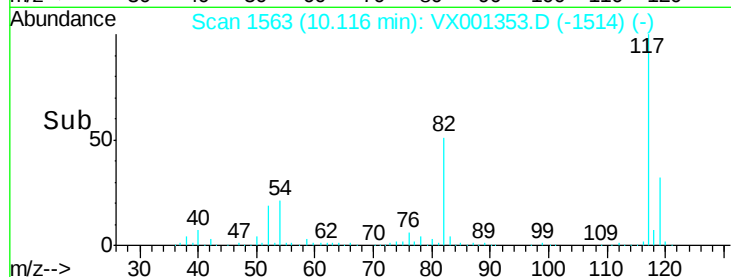
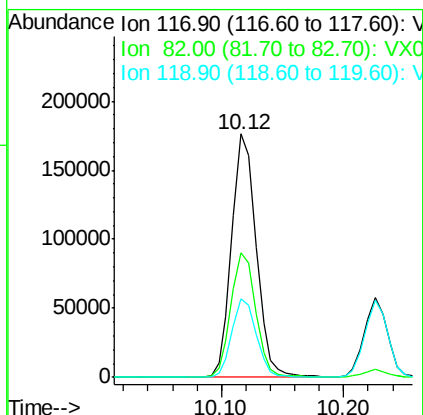
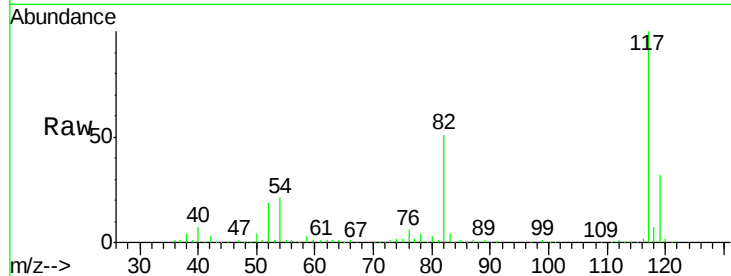
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	41.4	62.0
119	32.5	25.5	38.3

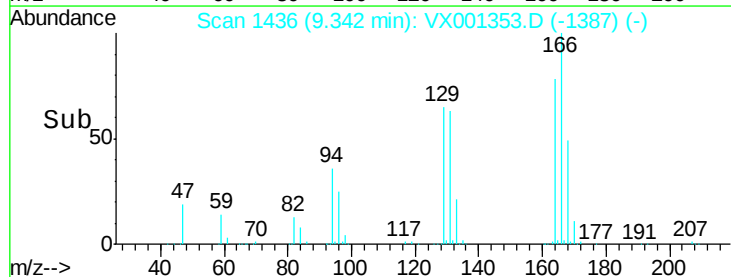
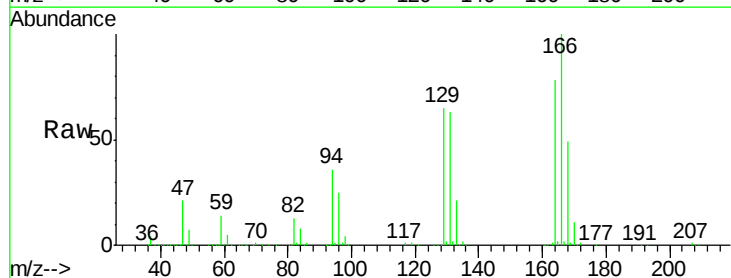
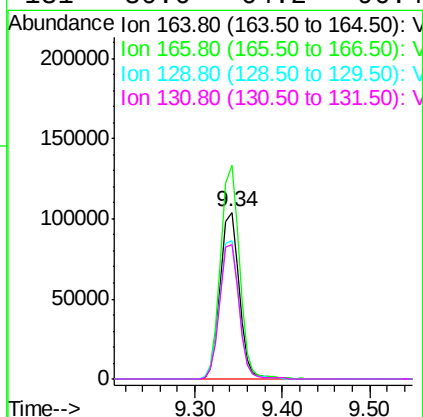
Manual Integrations
APPROVED

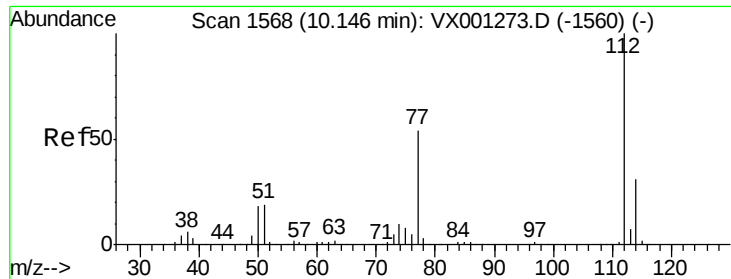
MMDadoda
5/5/2018 11:28:29 PM



#64
Tetrachloroethene
Concen: 53.94 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	102.3	153.5
129	82.9	65.1	97.7
131	80.6	64.2	96.4





#65

Chlorobenzene

Concen: 46.67 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 311720

Ion Ratio Lower Upper

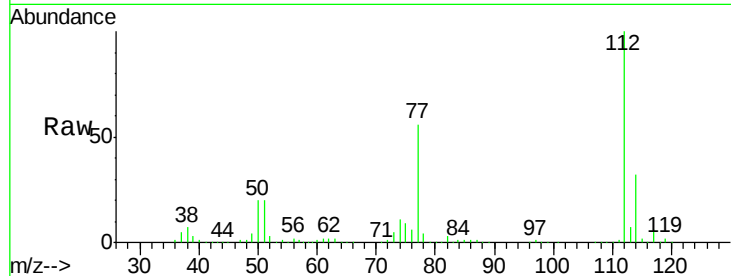
112 100

114 31.8 24.8 37.2

Manual Integrations
APPROVED

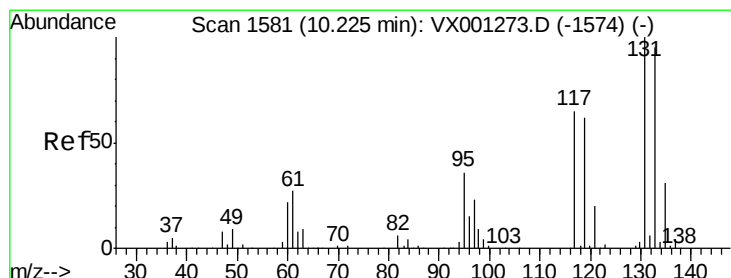
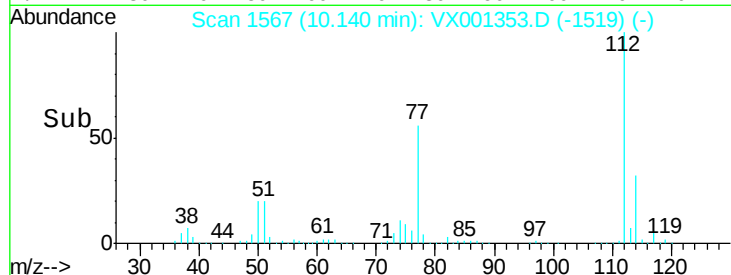
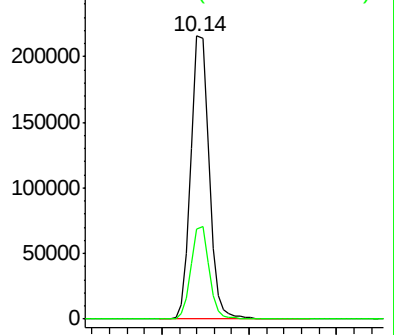
MMDadoda

5/5/2018 11:28:29 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.22 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

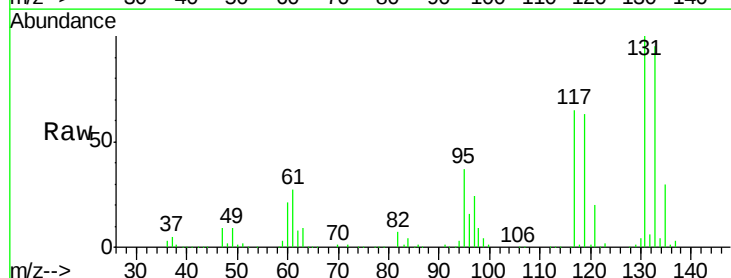
Tgt Ion:131 Resp: 116437

Ion Ratio Lower Upper

131 100

133 96.0 48.3 144.9

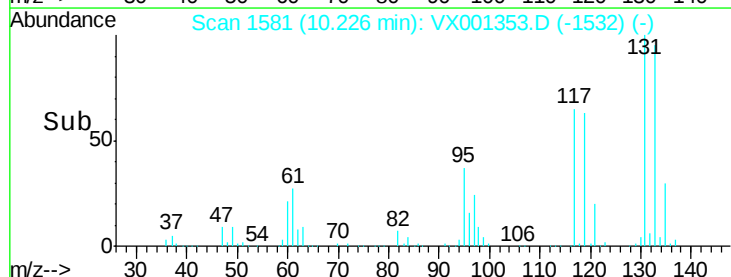
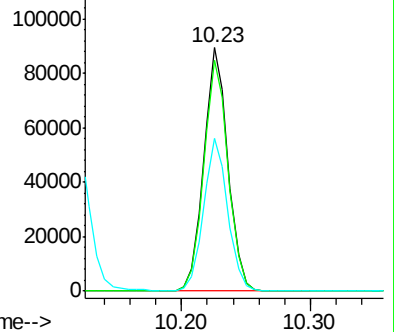
119 62.7 31.2 93.6

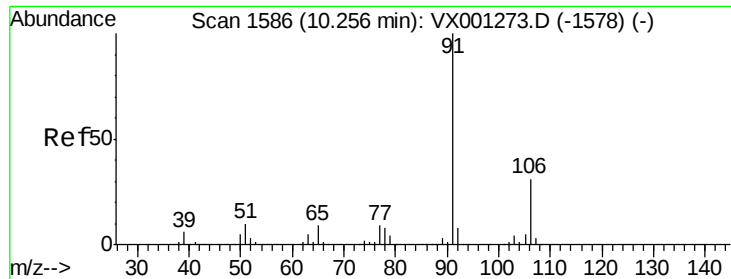


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





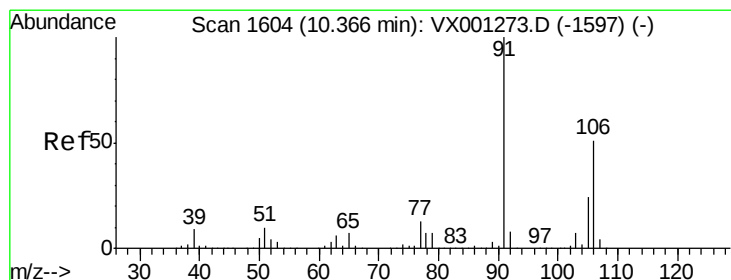
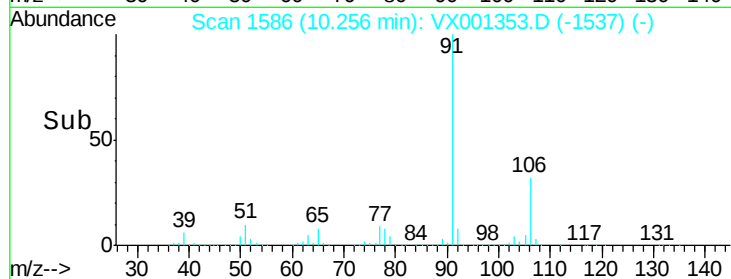
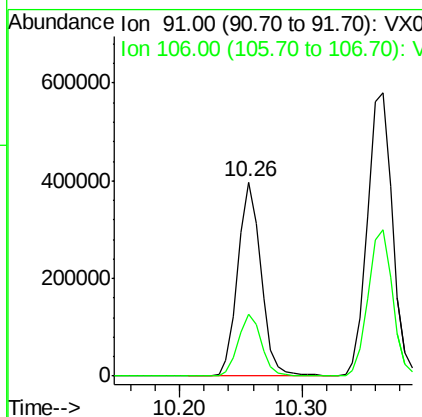
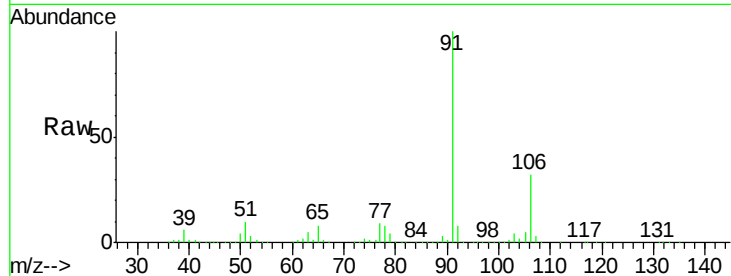
#67
Ethyl Benzene
Concen: 47.45 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 522325
Ion Ratio Lower Upper
91 100
106 31.7 24.9 37.3

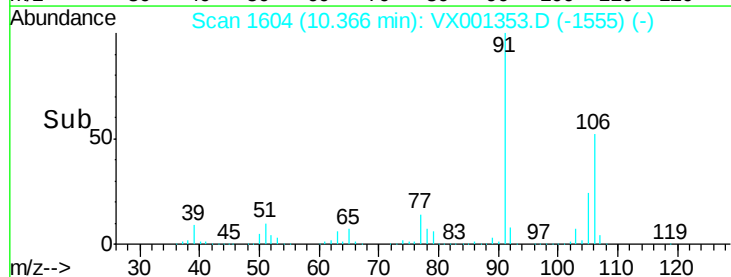
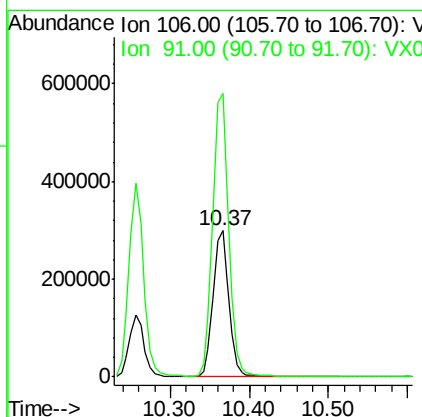
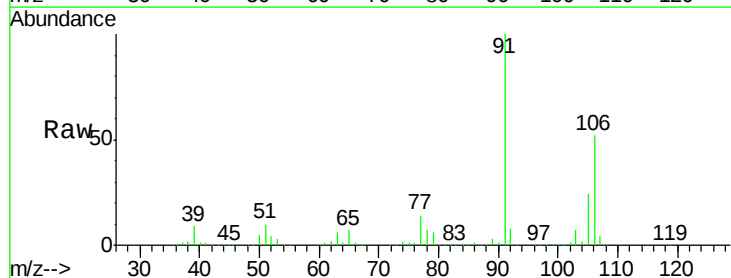
Manual Integrations
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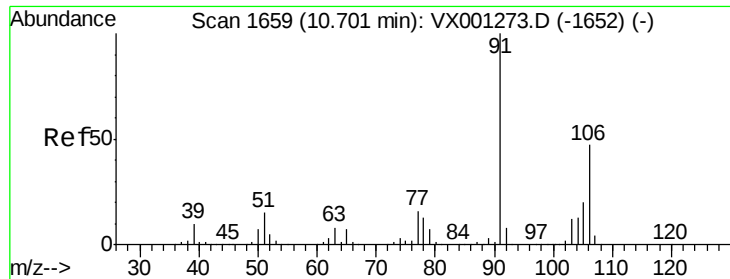
MMDadoda
5/5/2018 11:28:29 PM



#68
m/p-Xylenes
Concen: 97.36 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Tgt Ion: 106 Resp: 421700
Ion Ratio Lower Upper
106 100
91 197.1 159.4 239.2





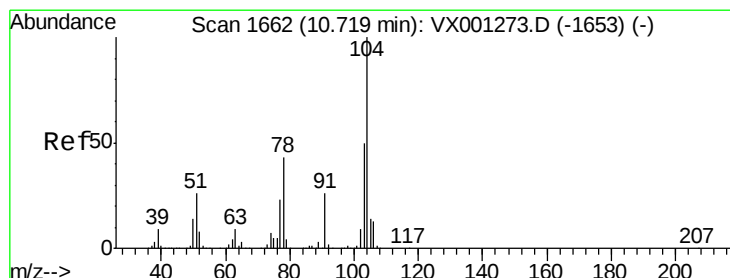
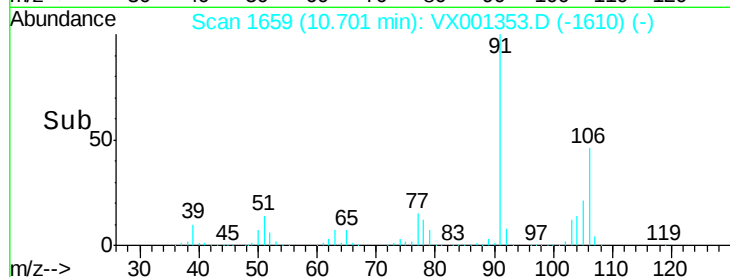
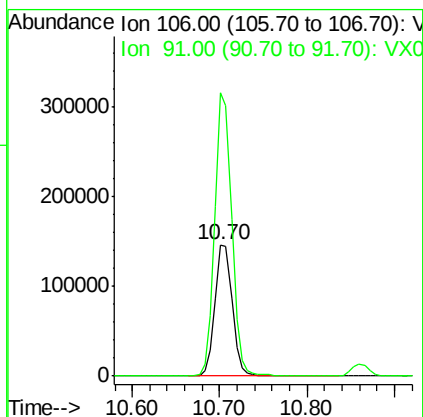
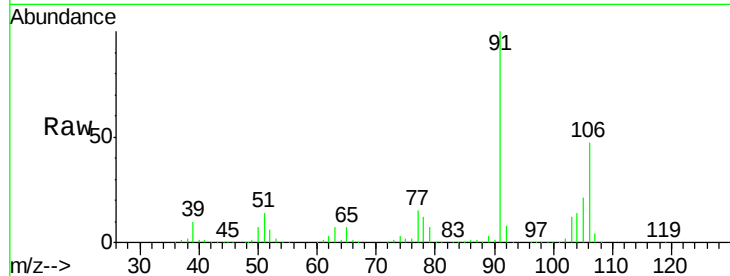
#69
o-Xylene
Concen: 48.14 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		202204		
91	211.2	106.3	319.0		

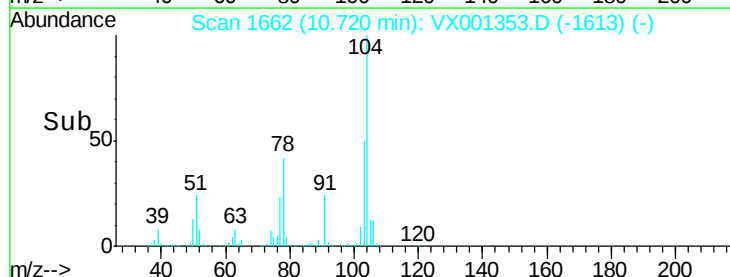
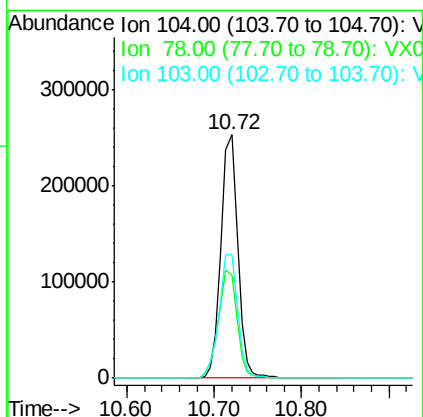
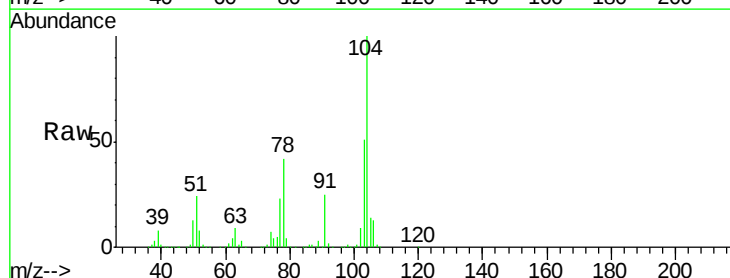
Manual Integrations
APPROVED

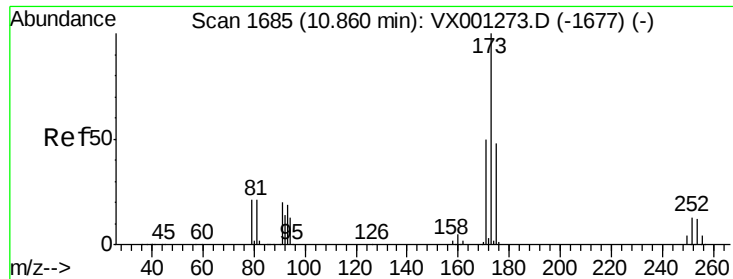
MMDadoda
5/5/2018 11:28:29 PM



#70
Styrene
Concen: 49.14 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		337580		
78	49.2	40.1	60.1		
103	56.1	44.5	66.7		





#71

Bromoform

Concen: 44.90 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

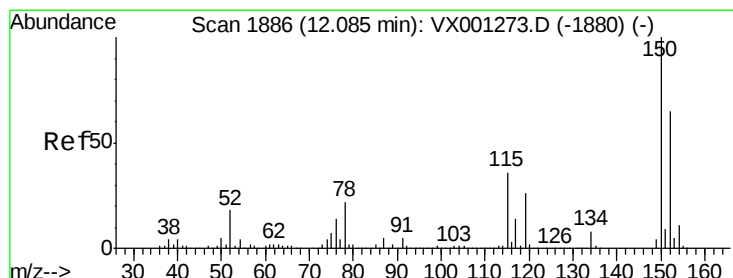
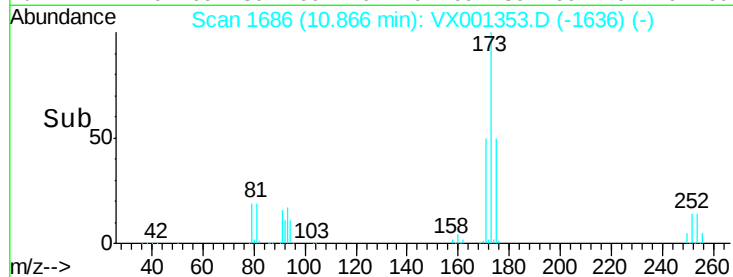
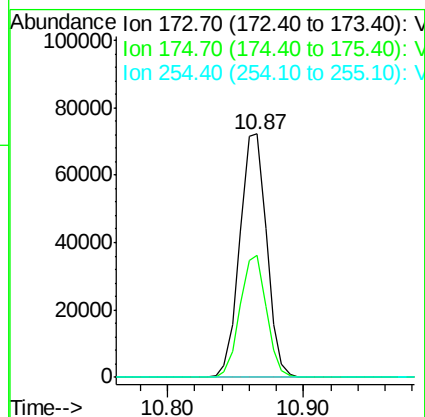
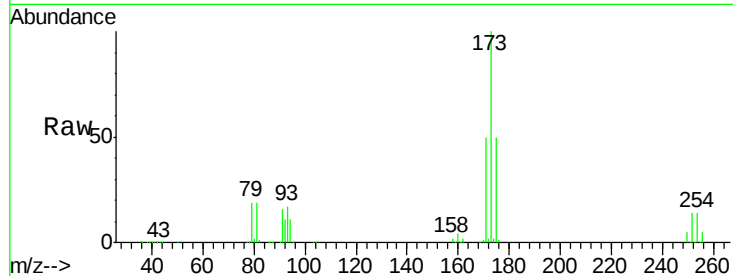
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.6	74.0
254	0.2	0.2	0.2

Manual Integrations
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MMDadoda
5/5/2018 11:28:29 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

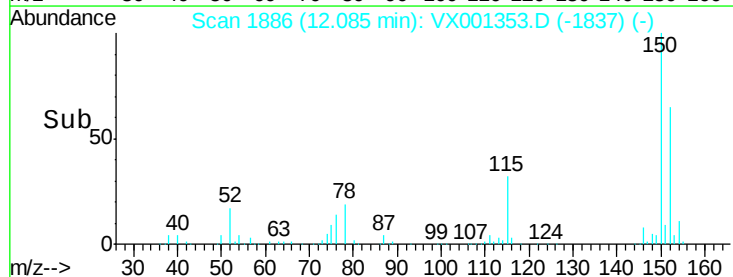
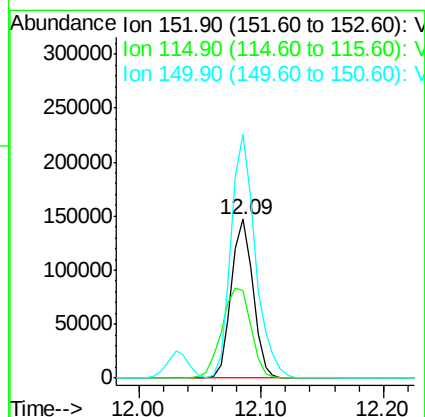
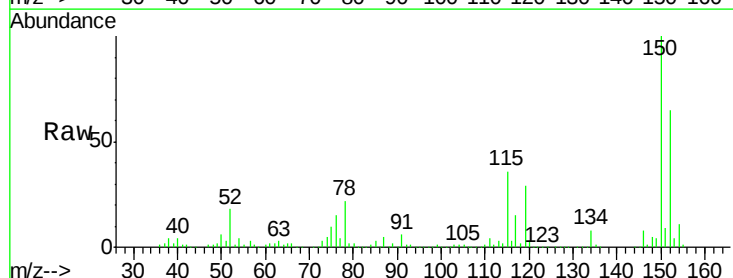
RT: 12.09 min Scan# 1886

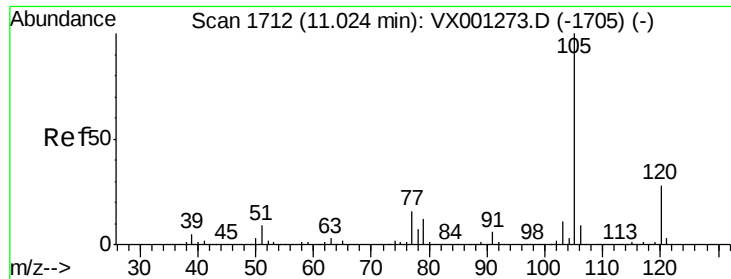
Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.4	38.6	115.7
150	171.7	0.0	349.2





#73

Isopropylbenzene

Concen: 46.28 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 558175

Ion Ratio Lower Upper

105 100

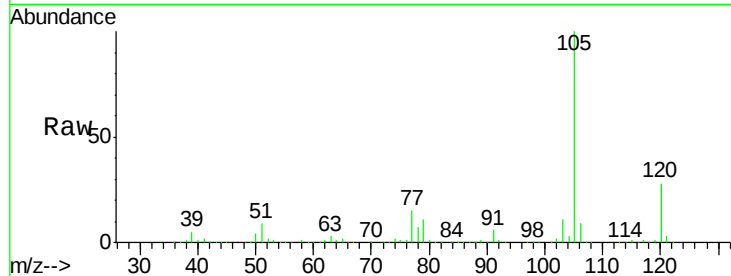
120 27.4 13.7 41.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

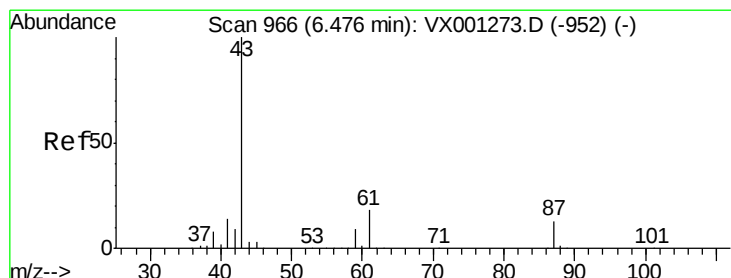
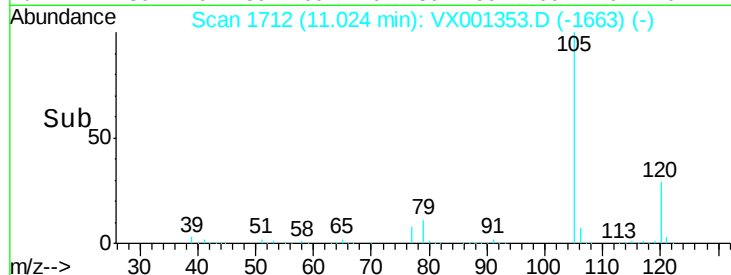
100000

0

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 44.85 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Tgt Ion: 43 Resp: 232075

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 19.1 15.0 22.4

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

100000

50000

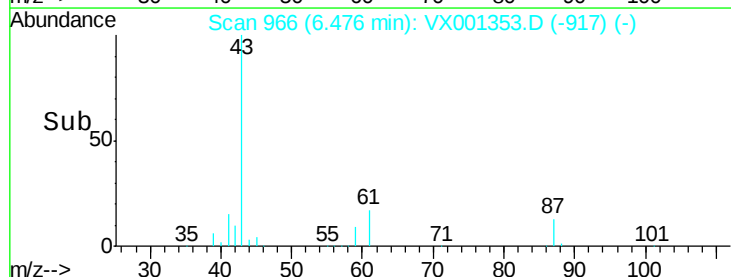
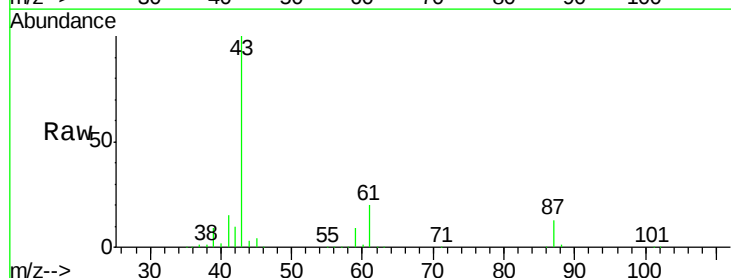
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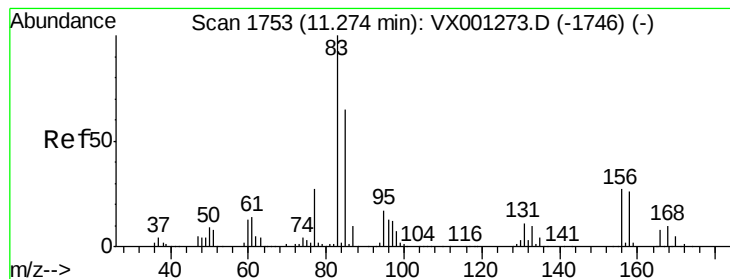
6.40

6.50

6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.91 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

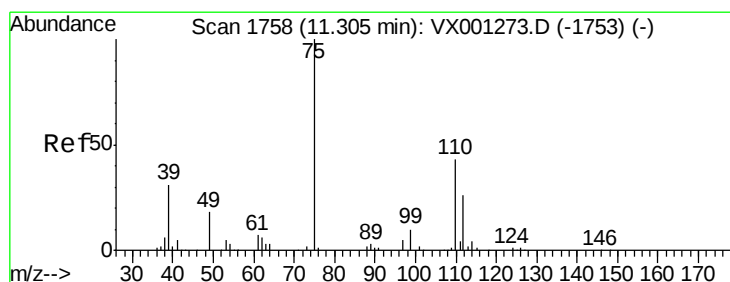
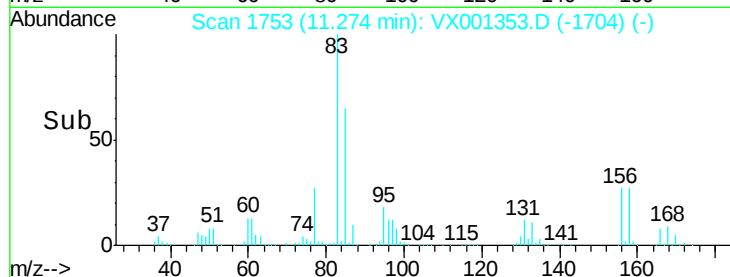
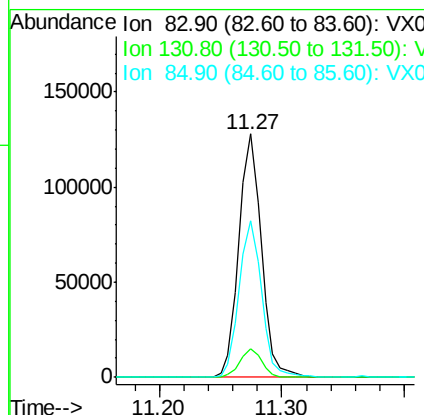
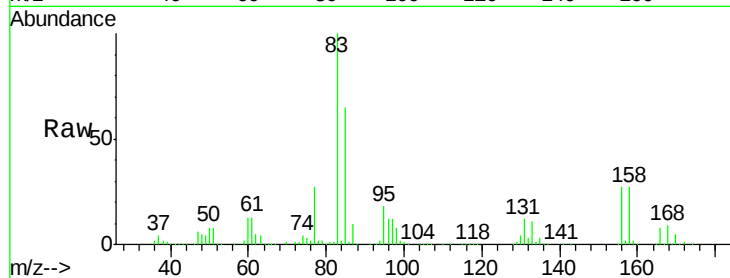
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	162287
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.3
85	64.8	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
5/5/2018 11:28:29 PM



#76

1,2,3-Trichloropropane

Concen: 48.09 ug/l m

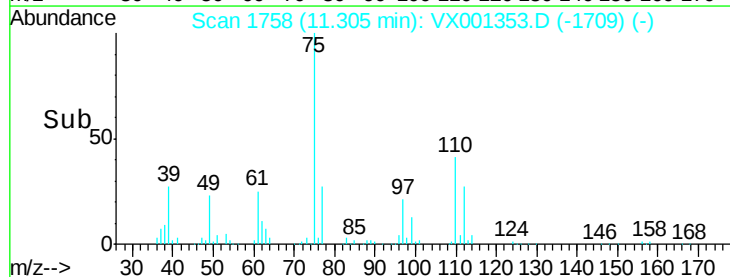
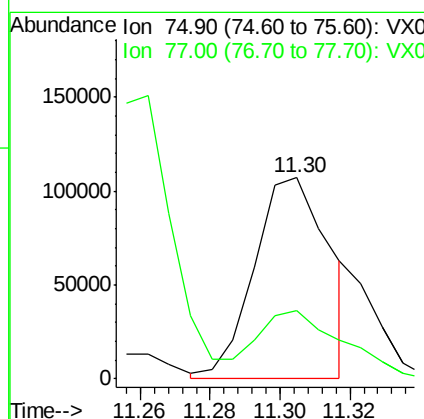
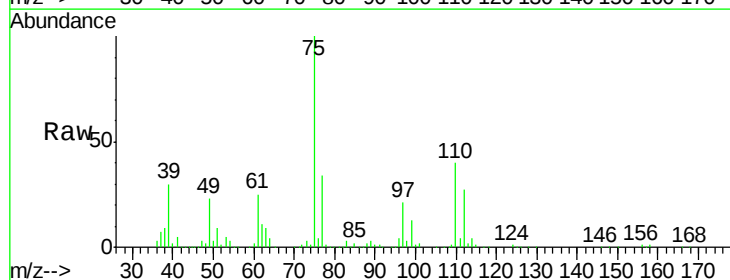
RT: 11.30 min Scan# 1758

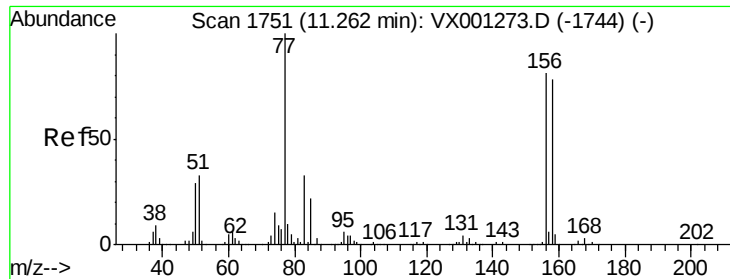
Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Tgt Ion:	75	Resp:	160332
Ion Ratio	Lower	Upper	
75	100		
77	38.2	18.9	56.5





#77

Bromobenzene

Concen: 45.62 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

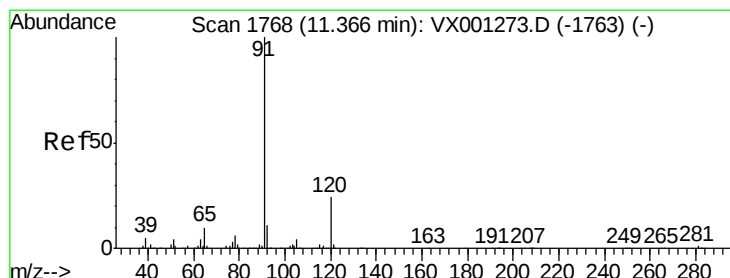
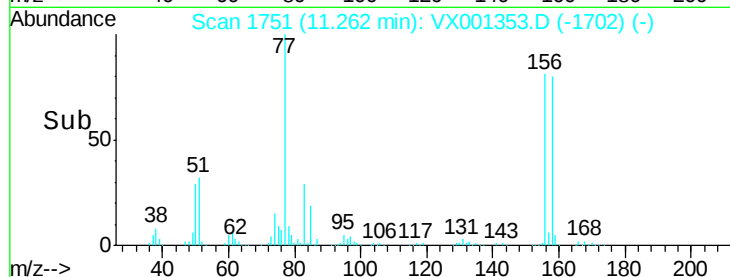
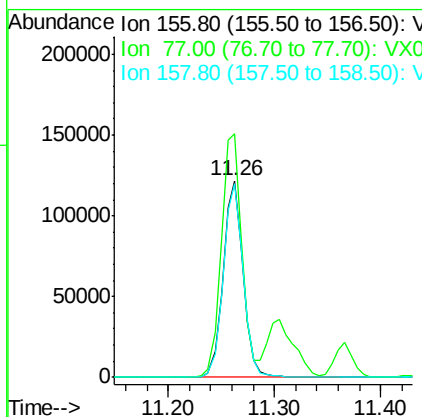
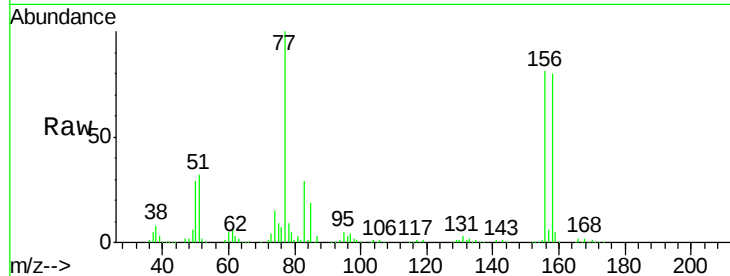
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
156	100	158682		
77	129.5	65.3	195.8	
158	98.5	48.5	145.5	

Manual Integrations
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#78

n-propylbenzene

Concen: 47.32 ug/l

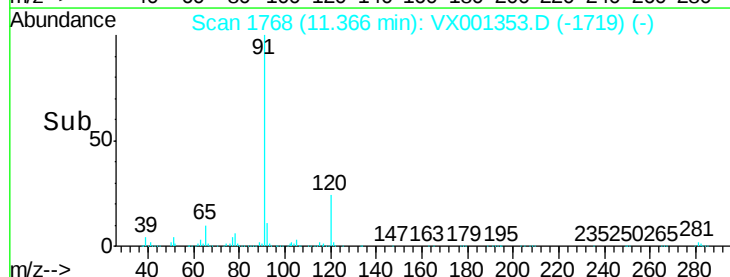
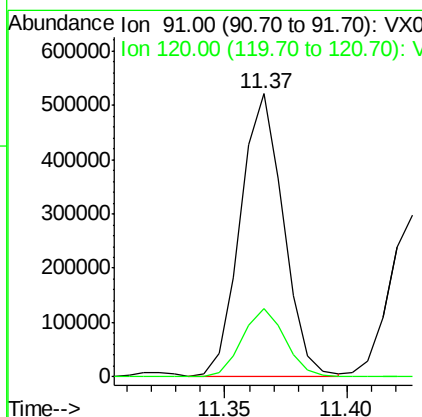
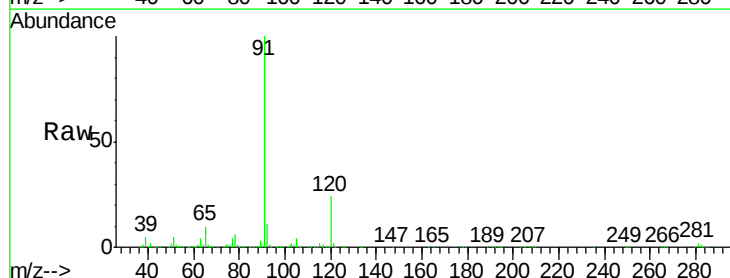
RT: 11.37 min Scan# 1768

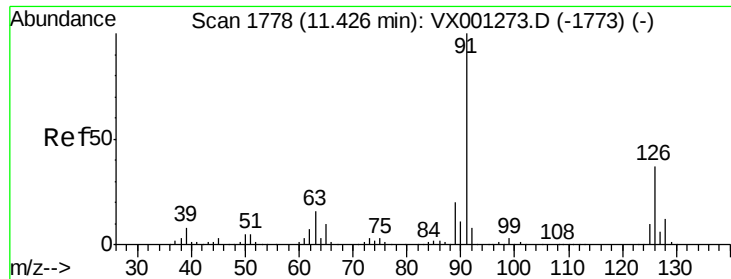
Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	634247		
120	24.6	12.3	36.8	





#79

2-Chlorotoluene

Concen: 46.24 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 373932

Ion Ratio Lower Upper

91 100

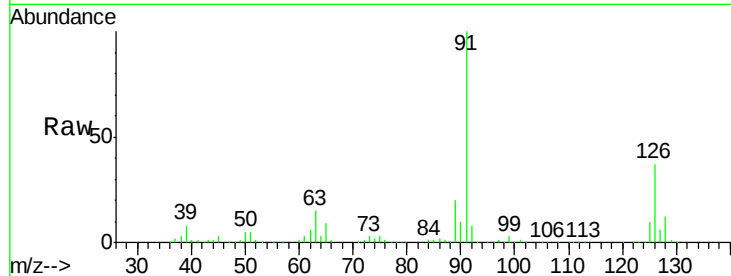
126 37.1 18.4 55.4

Manual Integrations

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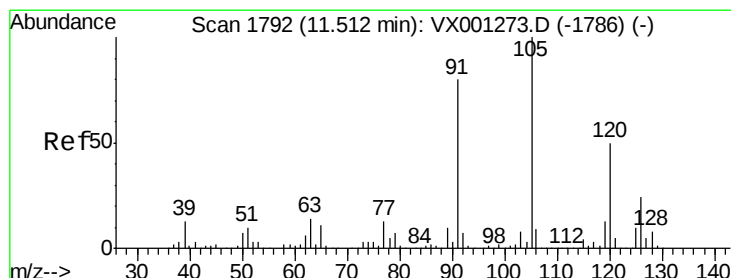
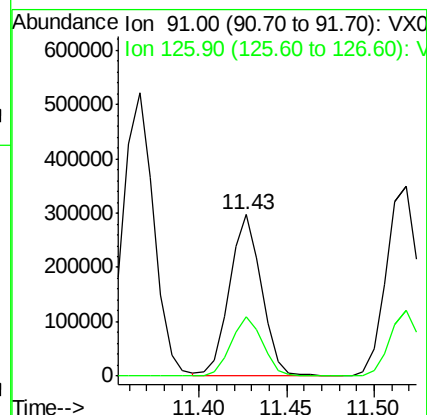
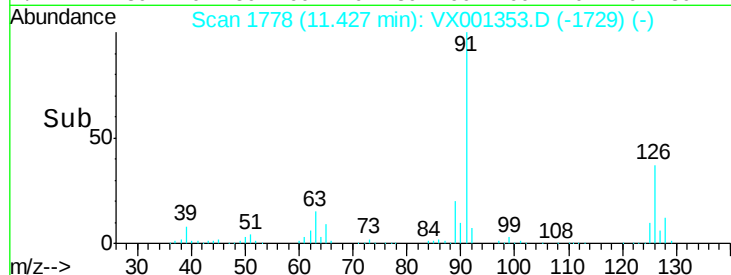
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX001353.D (-1729) (-)

Ion 125.90 (125.60 to 126.60): VX001353.D (-1729) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.98 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001353.D

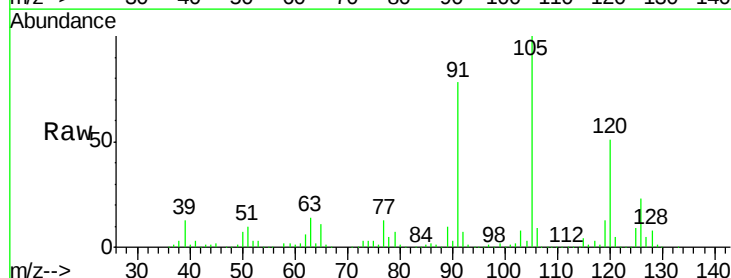
Acq: 03 May 2018 12:12

Tgt Ion: 105 Resp: 485972

Ion Ratio Lower Upper

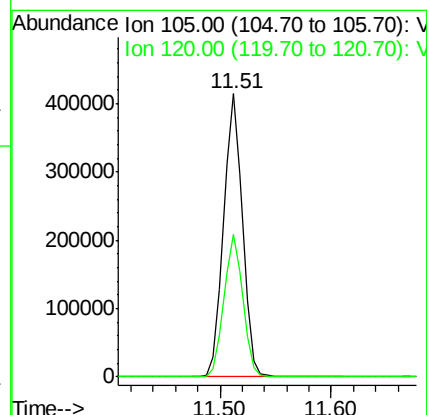
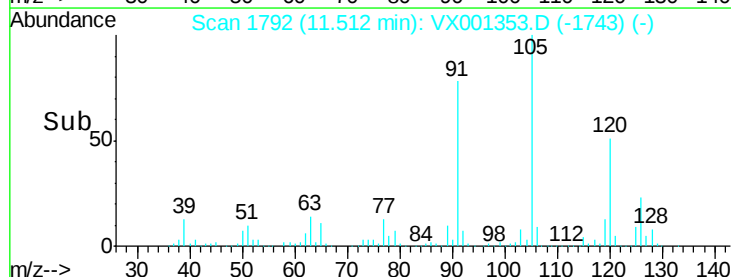
105 100

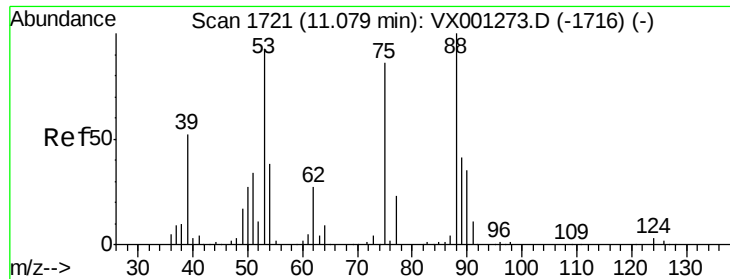
120 50.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VX001353.D (-1743) (-)

Ion 120.00 (119.70 to 120.70): VX001353.D (-1743) (-)





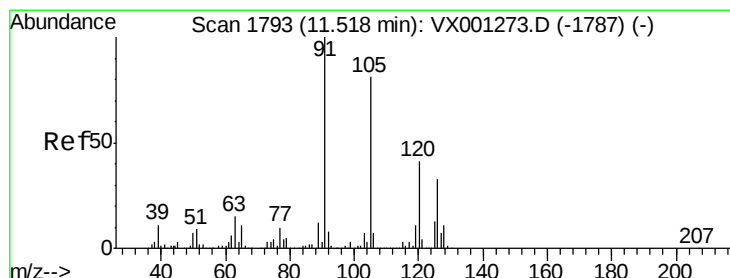
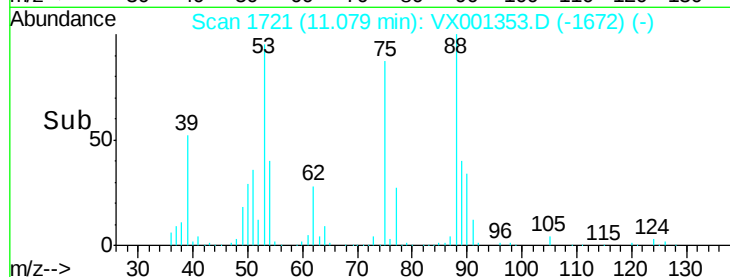
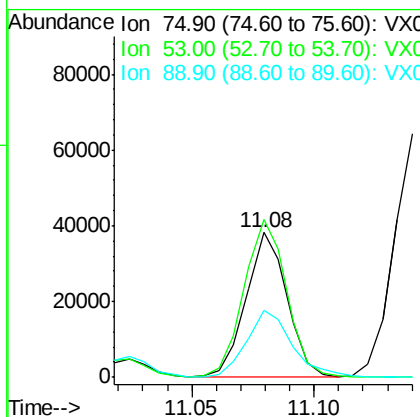
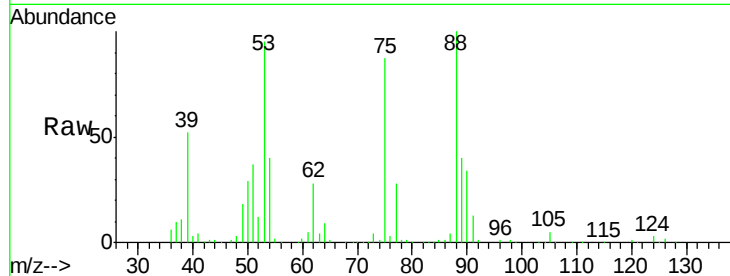
#81
trans-1,4-Dichloro-2-butene
Concen: 43.95 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.1	87.1	130.7
89	52.0	38.9	58.3

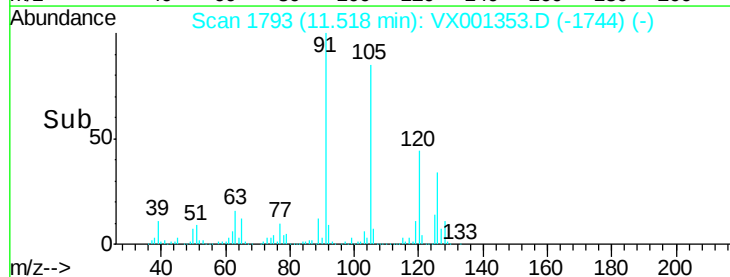
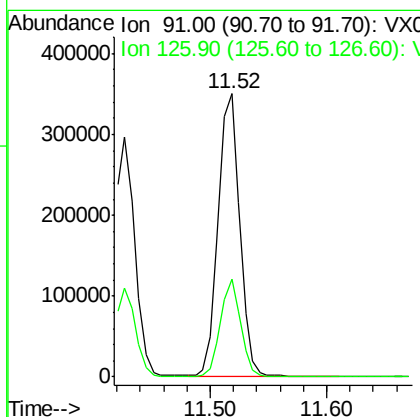
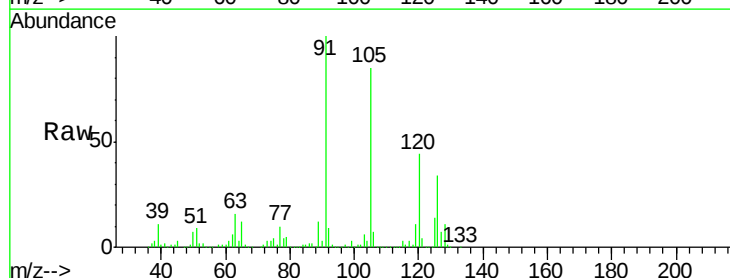
Manual Integrations
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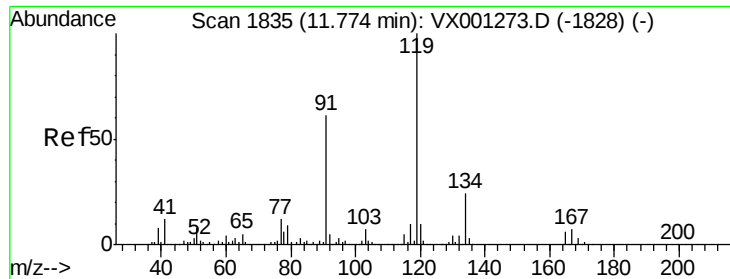
MMDadoda
5/5/2018 11:28:29 PM



#82
4-Chlorotoluene
Concen: 46.09 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.2





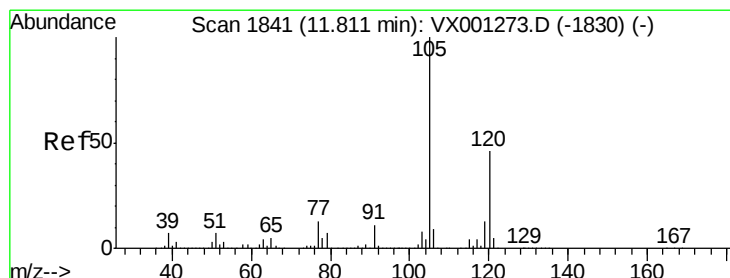
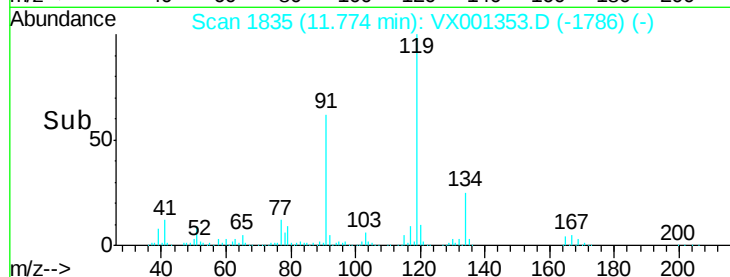
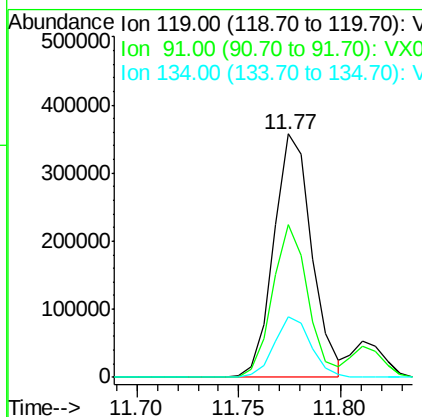
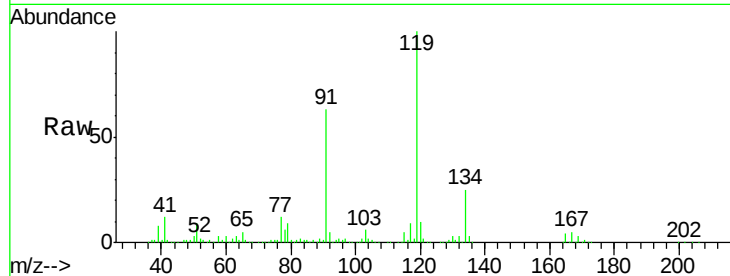
#83
tert-Butylbenzene
Concen: 45.87 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	463322		
91	58.7	28.1	84.3	
134	24.1	11.8	35.3	

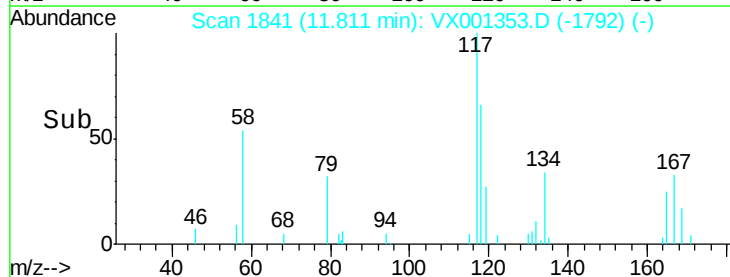
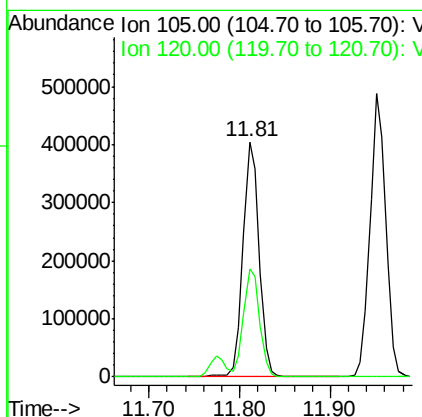
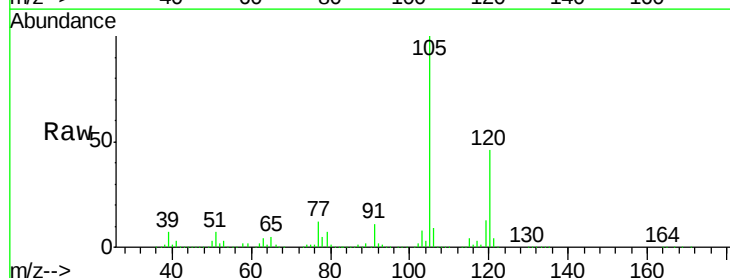
Manual Integrations
APPROVED

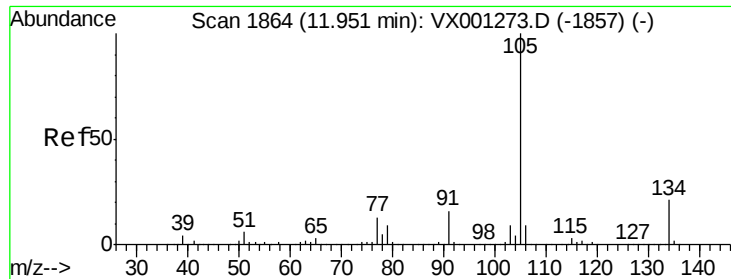
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 48.18 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	500026		
120	45.6	22.7	68.1	





#85

sec-Butylbenzene

Concen: 48.74 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 588936

Ion Ratio Lower Upper

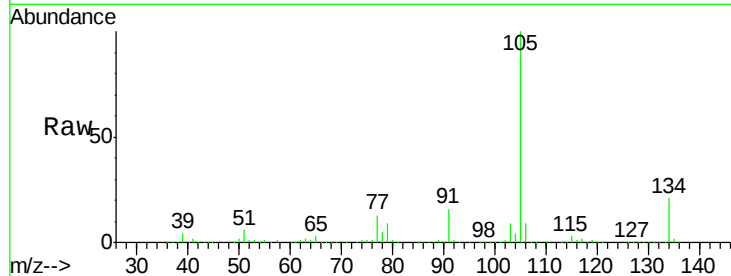
105 100

134 21.3 10.7 31.9

Manual Integrations
APPROVED

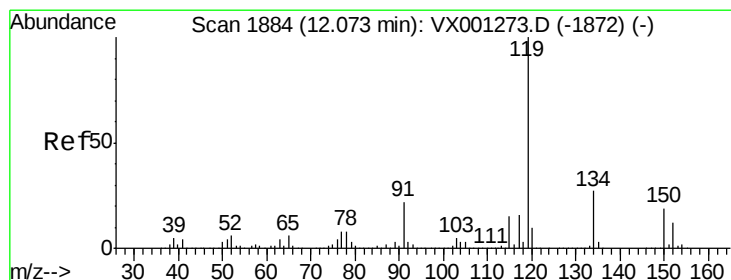
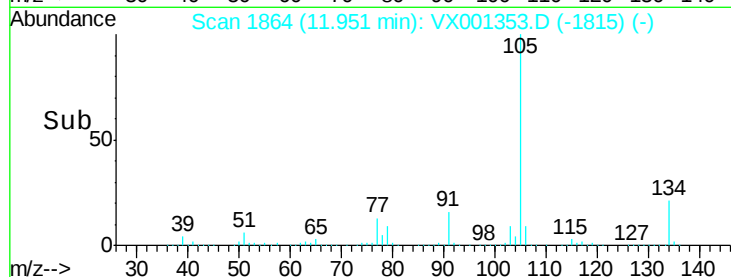
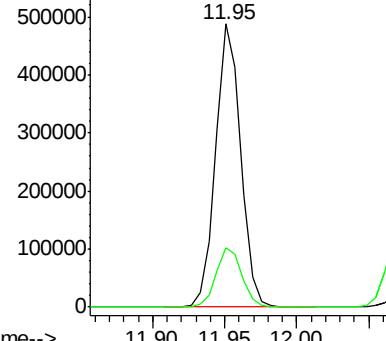
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.56 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001353.D

Acq: 03 May 2018 12:12

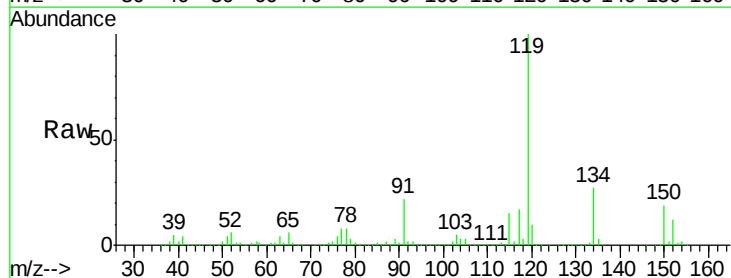
Tgt Ion:119 Resp: 549358

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

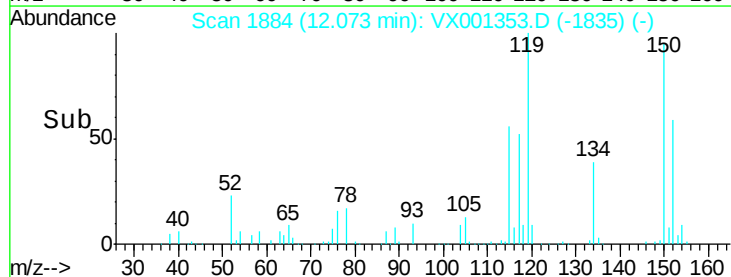
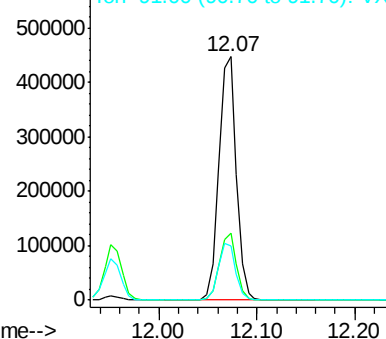
91 23.2 11.7 35.1

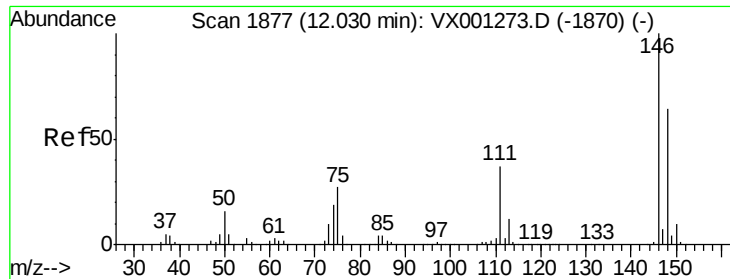


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





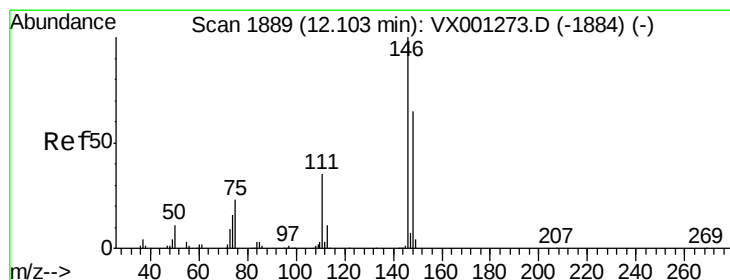
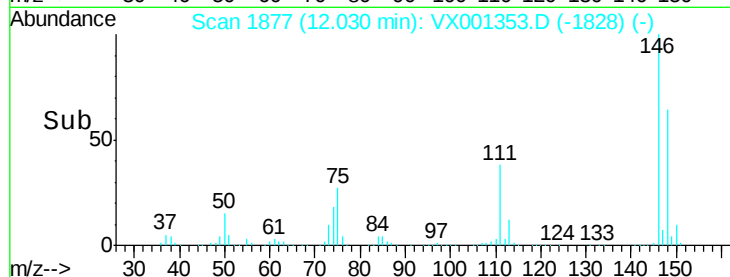
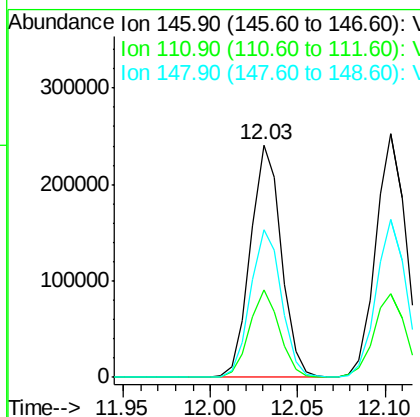
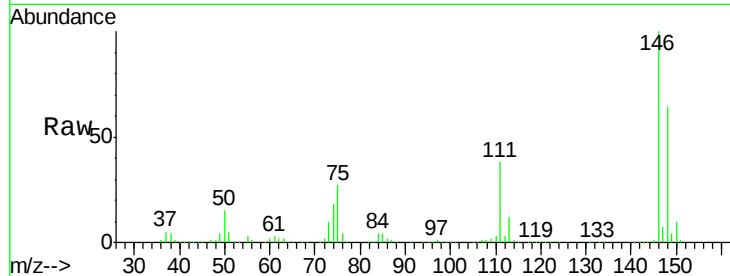
#87
 1,3-Dichlorobenzene
 Concen: 45.68 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001353.D
 Acq: 03 May 2018 12:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.4	55.2
148	63.8	32.2	96.6

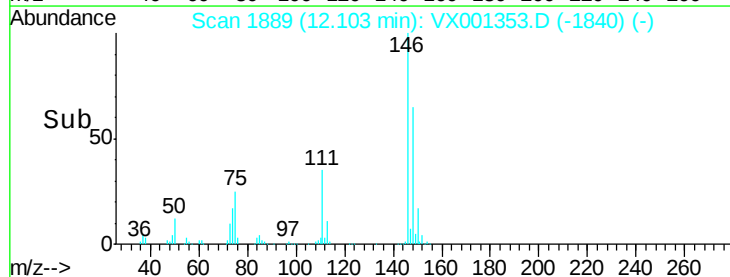
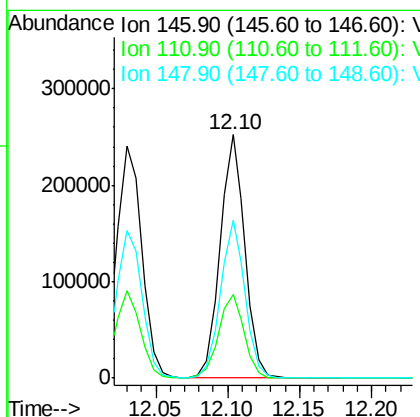
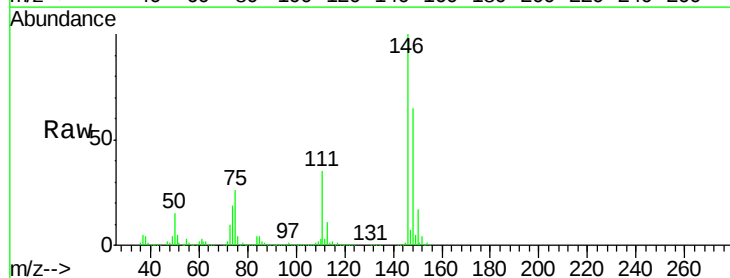
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 45.28 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001353.D
 Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.9	53.7
148	64.4	32.3	96.8





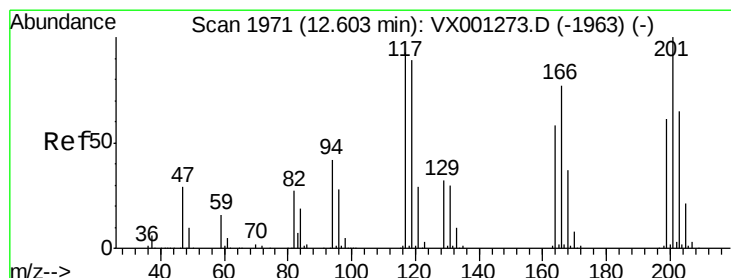
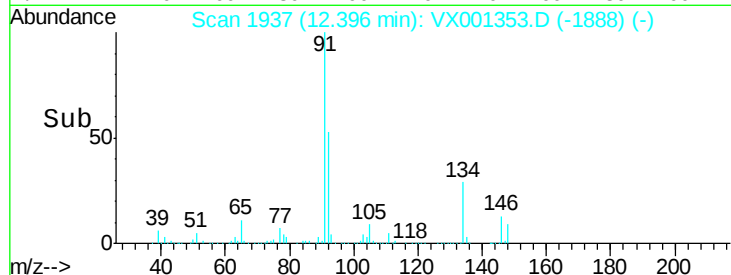
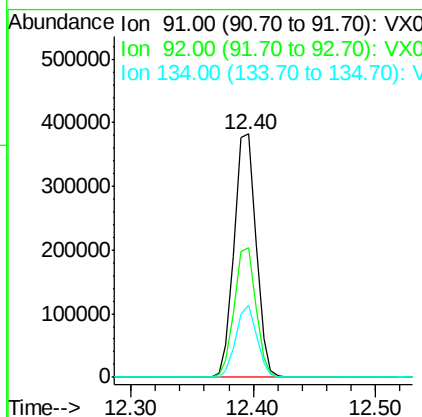
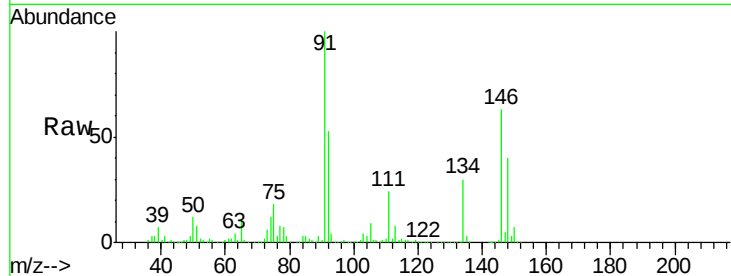
#89
n-Butylbenzene
Concen: 48.79 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	28.3	14.0	42.0

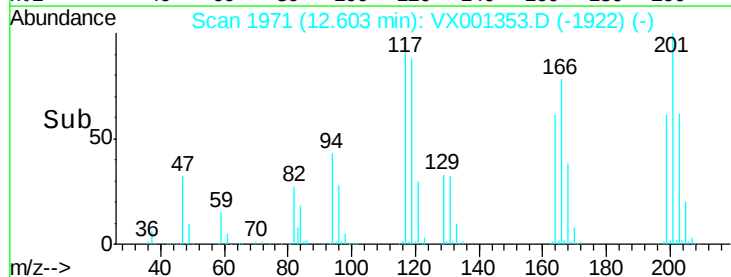
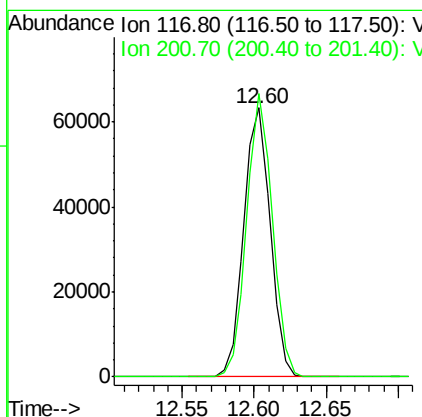
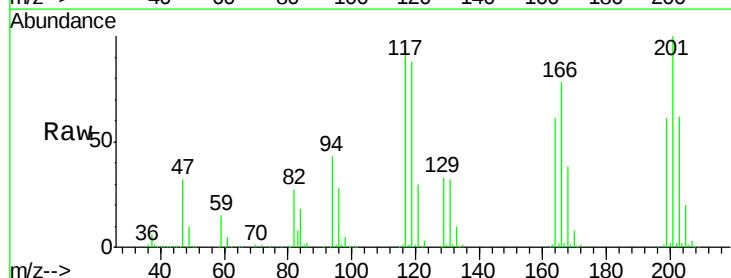
Manual Integrations
APPROVED

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#90
Hexachloroethane
Concen: 49.99 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	102.2	51.6	154.8





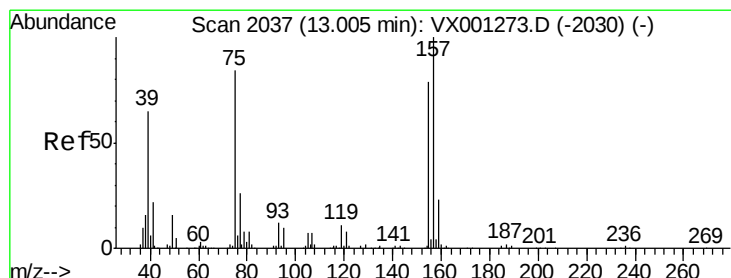
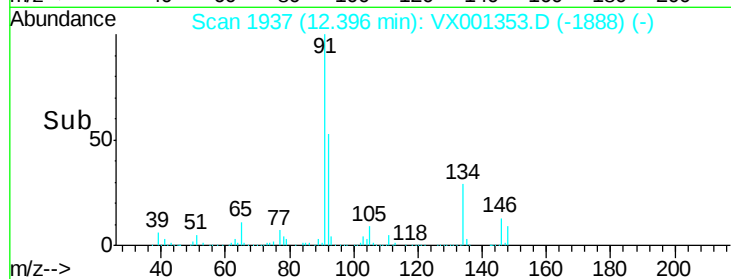
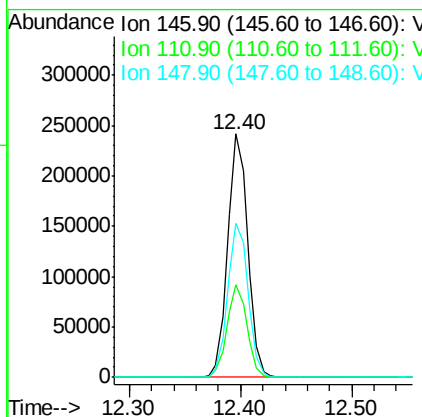
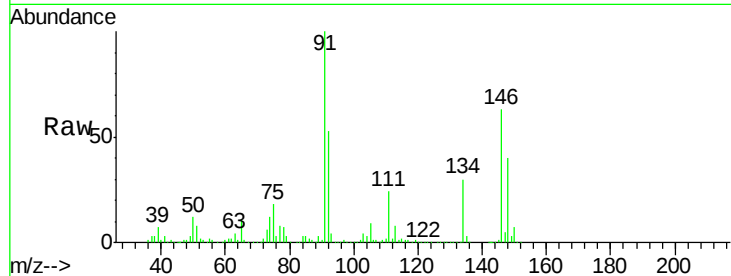
#91
 1,2-Dichlorobenzene
 Concen: 46.58 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001353.D
 Acq: 03 May 2018 12:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	301069		
111	37.7	18.9	56.5	
148	64.4	32.4	97.0	

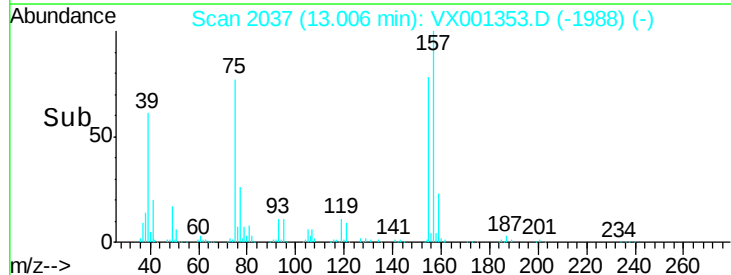
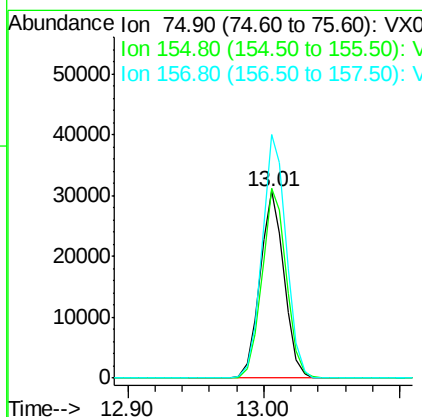
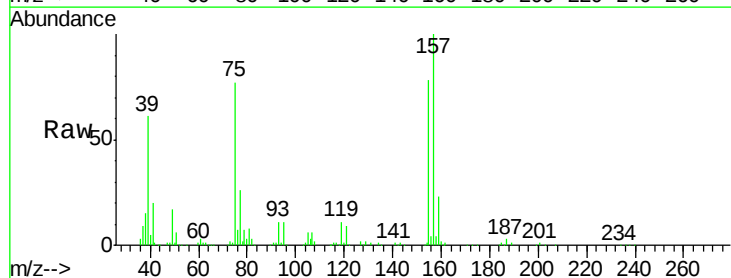
Manual Integrations
 APPROVED

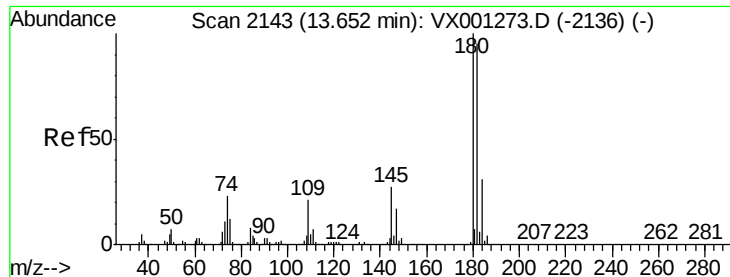
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.34 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001353.D
 Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38223		
155	102.0	49.9	149.7	
157	130.8	63.7	191.1	





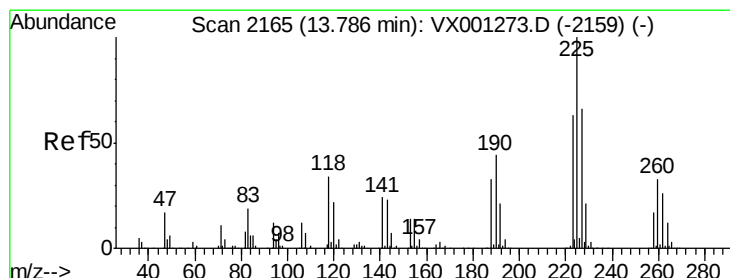
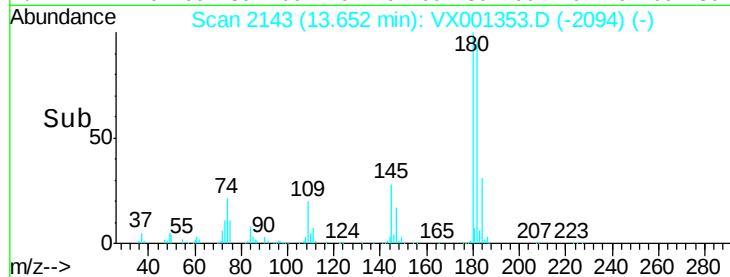
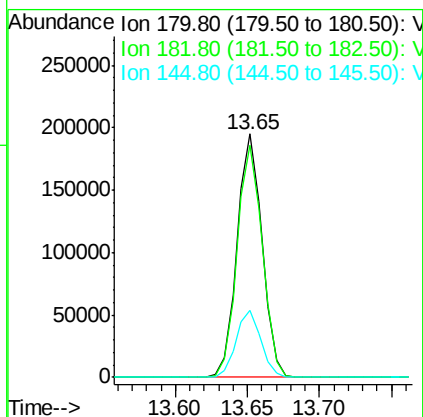
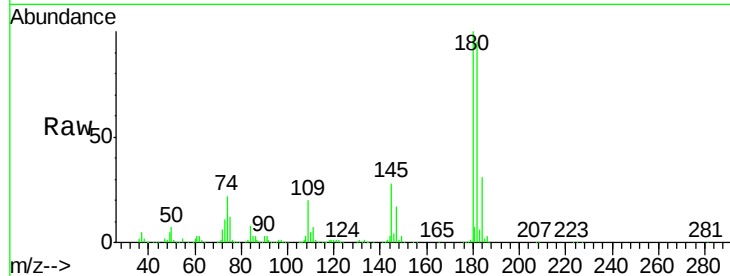
#93
 1,2,4-Trichlorobenzene
 Concen: 45.34 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001353.D
 Acq: 03 May 2018 12:12

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	235769		
182	96.2	47.3	141.9	
145	27.5	13.5	40.4	

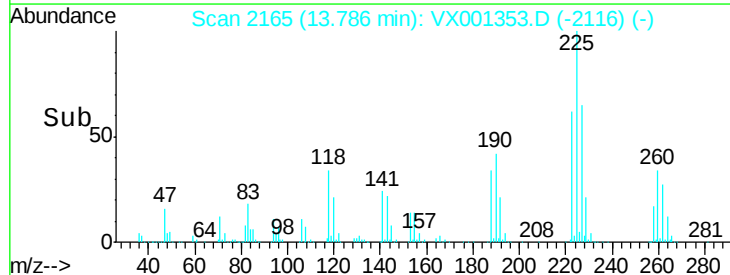
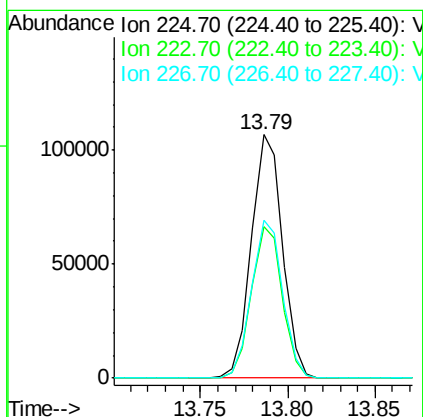
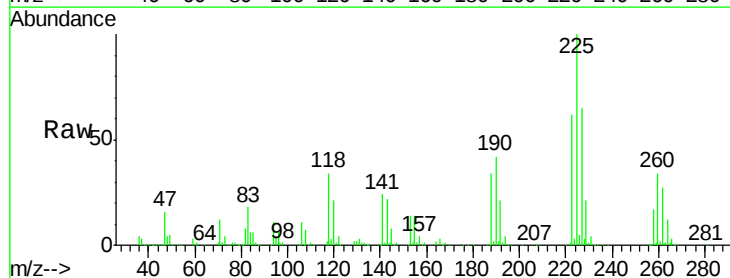
Manual Integrations
 APPROVED

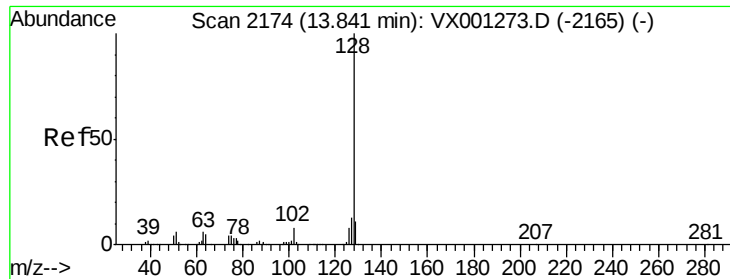
MMDadoda
 5/5/2018 11:28:29 PM



#94
 Hexachlorobutadiene
 Concen: 48.40 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001353.D
 Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	131677		
223	61.9	31.4	94.0	
227	64.9	32.5	97.5	





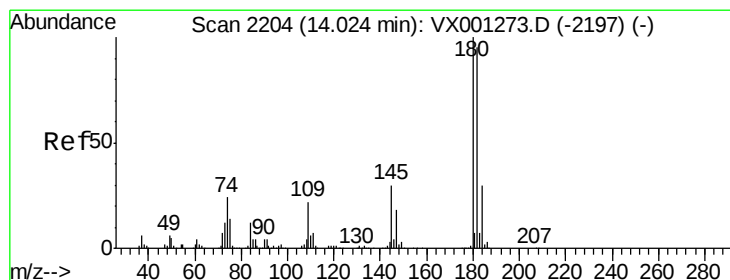
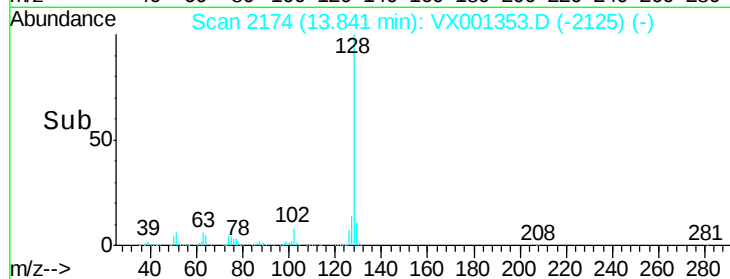
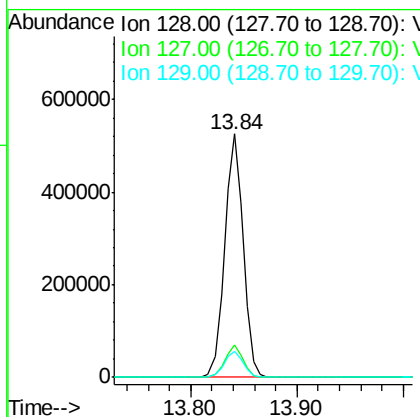
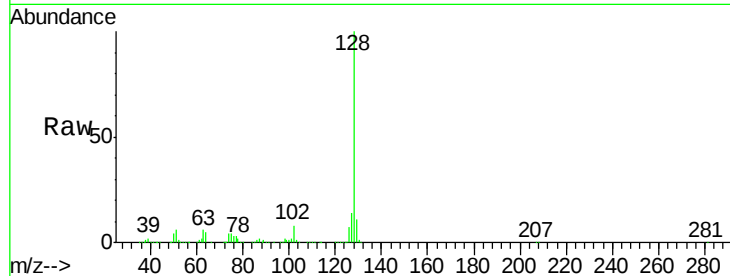
#95
Naphthalene
Concen: 48.21 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/5/2018 11:28:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.37 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001353.D
Acq: 03 May 2018 12:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.1	144.3
145	28.9	14.4	43.4

