

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050118\
 Data File : VX001284.D
 Acq On : 01 May 2018 17:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/2/2018 4:20:56 PM

Quant Time: May 02 05:13:13 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	202499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	262300	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	250582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	178646	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	127402	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	
35) Dibromofluoromethane	5.51	113	108737	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	8.72	98	412272	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.14	95	161376	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	113757	50.78	ug/l	99
3) Chloromethane	1.32	50	107765	49.00	ug/l	98
4) Vinyl Chloride	1.40	62	110067	47.55	ug/l	98
5) Bromomethane	1.64	94	89143	51.70	ug/l	98
6) Chloroethane	1.72	64	69374	47.41	ug/l	99
7) Trichlorofluoromethane	1.93	101	193427	49.51	ug/l	99
8) Diethyl Ether	2.19	74	64948	48.41	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	111230	49.37	ug/l	99
10) Methyl Iodide	2.51	142	101007	41.91	ug/l	99
11) Tert butyl alcohol	3.08	59	126476	262.25	ug/l	100
12) 1,1-Dichloroethene	2.37	96	96627	47.57	ug/l	98
13) Acrolein	2.29	56	59574	214.54	ug/l	99
14) Allyl chloride	2.73	41	172518	48.54	ug/l	99
15) Acrylonitrile	3.15	53	273450	244.64	ug/l	100
16) Acetone	2.45	43	280387	234.33	ug/l	100
17) Carbon Disulfide	2.57	76	243596	46.03	ug/l	98
18) Methyl Acetate	2.78	43	142153	50.30	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	335785	48.53	ug/l	100
20) Methylene Chloride	2.86	84	106063	49.10	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	103676	46.89	ug/l	99
22) Diisopropyl ether	3.88	45	315923	46.16	ug/l	98
23) Vinyl Acetate	3.83	43	1353888	233.43	ug/l	99
24) 1,1-Dichloroethane	3.70	63	185782	48.73	ug/l	99
25) 2-Butanone	4.71	43	381968	236.10	ug/l	99
26) 2,2-Dichloropropane	4.59	77	145172	46.79	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	112093	46.13	ug/l	98
28) Bromochloromethane	5.03	49	86015	50.19	ug/l	100
29) Tetrahydrofuran	5.17	42	239281	240.49	ug/l	99
30) Chloroform	5.22	83	187854	46.61	ug/l	99
31) Cyclohexane	5.58	56	160700	46.67	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	168150	47.74	ug/l	99
36) 1,1-Dichloropropene	5.80	75	142134	46.95	ug/l	99
37) Ethyl Acetate	4.87	43	147438	48.23	ug/l	100
38) Carbon Tetrachloride	5.79	117	152867	48.20	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	175921	49.13	ug/l	99
40) Benzene	6.15	78	410308	47.11	ug/l	98
41) Methacrylonitrile	5.07	41	84428	47.42	ug/l	99
42) 1,2-Dichloroethane	6.20	62	156201	46.32	ug/l	99
43) Isopropyl Acetate	6.48	43	243228	49.15	ug/l	99
44) Trichloroethene	7.22	130	124894	46.85	ug/l	98
45) 1,2-Dichloropropane	7.52	63	104018	46.51	ug/l	99
46) Dibromomethane	7.67	93	74009	47.21	ug/l	99
47) Bromodichloromethane	7.90	83	139549	49.79	ug/l	97
48) Methyl methacrylate	7.78	41	128939	49.01	ug/l	99
49) 1,4-Dioxane	7.76	88	53112	1069.80	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	807553	253.11	ug/l	99
52) Toluene	8.79	92	273394	48.03	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	164829	49.45	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	156149	50.92	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	111768	48.60	ug/l	99
56) Ethyl methacrylate	9.19	69	162189	50.90	ug/l	99
57) 1,3-Dichloropropane	9.38	76	179506	48.53	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	398191	259.03	ug/l	100
59) 2-Hexanone	9.51	43	630180	252.71	ug/l	99
60) Dibromochloromethane	9.59	129	123884	51.65	ug/l	98
61) 1,2-Dibromoethane	9.68	107	120032	49.25	ug/l	99
64) Tetrachloroethene	9.34	164	143868	48.46	ug/l	97
65) Chlorobenzene	10.14	112	325084	47.70	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	118896	50.26	ug/l	99
67) Ethyl Benzene	10.26	91	541899	48.25	ug/l	99
68) m/p-Xylenes	10.37	106	439184	99.39	ug/l	100
69) o-Xylene	10.70	106	209929	48.98	ug/l	99
70) Styrene	10.72	104	350251	49.97	ug/l	100
71) Bromoform	10.87	173	103070	45.49	ug/l	99
73) Isopropylbenzene	11.02	105	577519	48.32	ug/l	99
74) N-amyl acetate	6.48	43	243228	47.44	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	170244	47.55	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	164058m	49.66	ug/l	
77) Bromobenzene	11.26	156	164141	47.62	ug/l	100
78) n-propylbenzene	11.37	91	655481	49.35	ug/l	100
79) 2-Chlorotoluene	11.43	91	385703	48.13	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	501025	49.92	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	45644	45.38	ug/l	100
82) 4-Chlorotoluene	11.52	91	465128	48.25	ug/l	99
83) tert-Butylbenzene	11.77	119	486698	48.63	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	515795	50.15	ug/l	100
85) sec-Butylbenzene	11.95	105	604443	50.48	ug/l	100
86) p-Isopropyltoluene	12.07	119	564646	51.40	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	304433	47.30	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	310393	46.78	ug/l	100
89) n-Butylbenzene	12.40	91	493188	51.44	ug/l	100
90) Hexachloroethane	12.60	117	81927	51.50	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	304567	47.55	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	38762	53.57	ug/l	99

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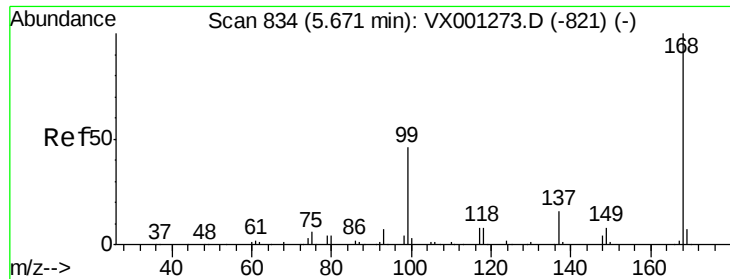
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	245266	47.60	ug/l	99
94) Hexachlorobutadiene	13.79	225	130920	48.56	ug/l	100
95) Naphthalene	13.84	128	650920	49.79	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	245818	48.60	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: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 202499

Ion Ratio Lower Upper

168 100

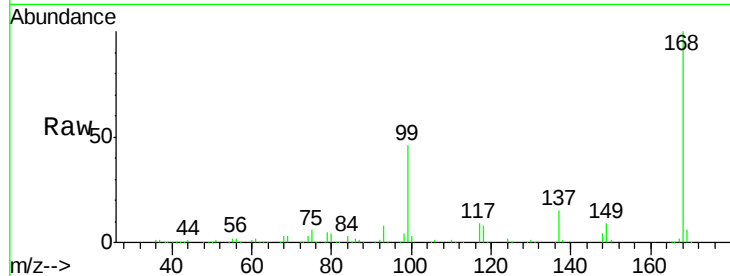
99 45.8 36.5 54.7

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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

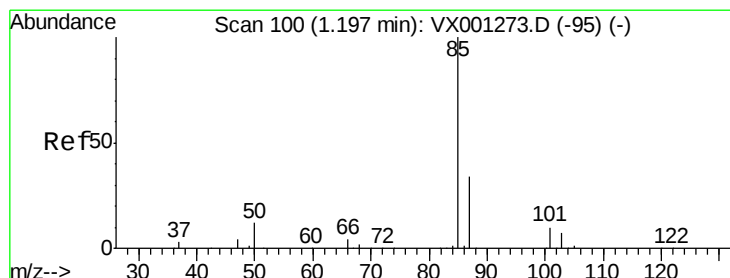
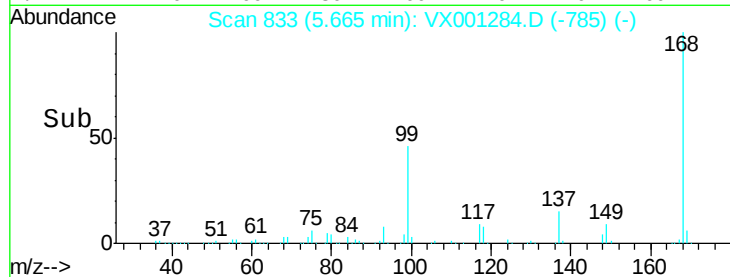
40000

20000

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Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 50.78 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001284.D

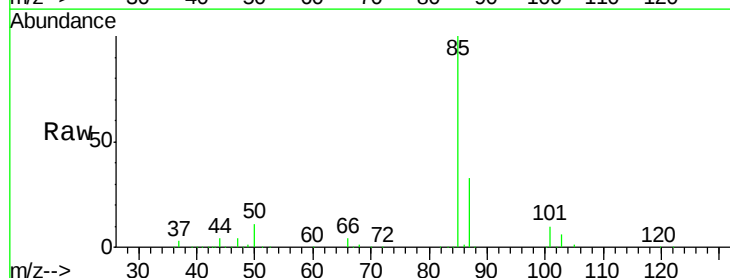
Acq: 01 May 2018 17:55

Tgt Ion: 85 Resp: 113757

Ion Ratio Lower Upper

85 100

87 32.9 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

60000

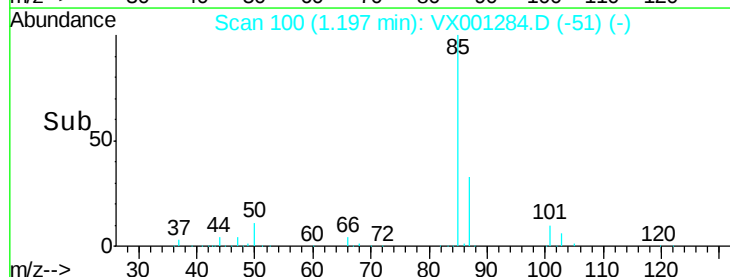
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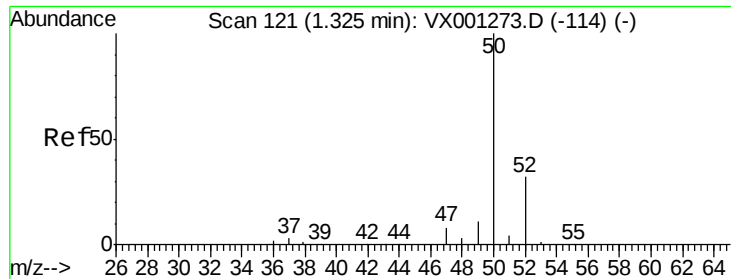
20000

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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 49.00 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 107765

Ion Ratio Lower Upper

50 100

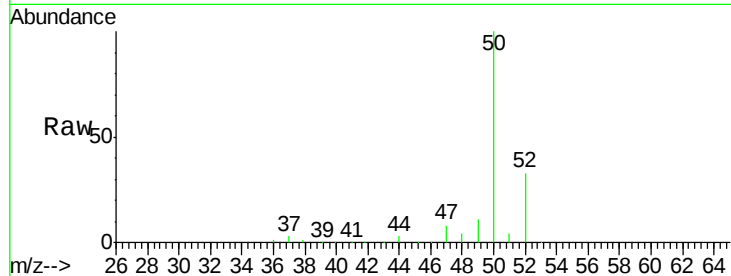
52 33.4 25.7 38.5

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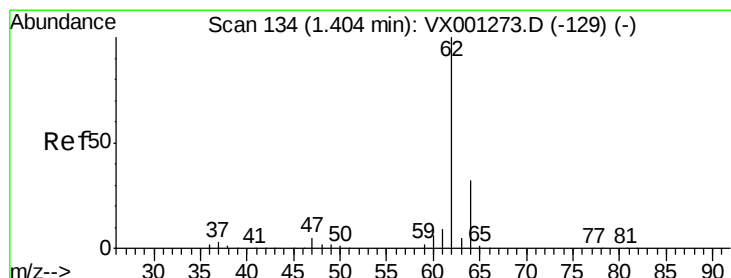
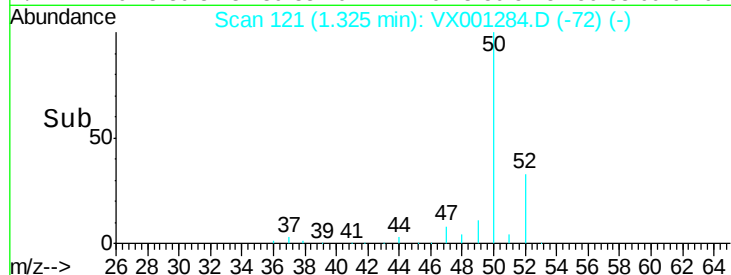
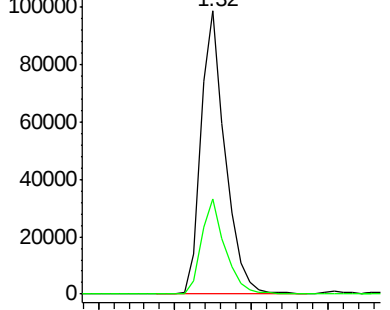
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.55 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001284.D

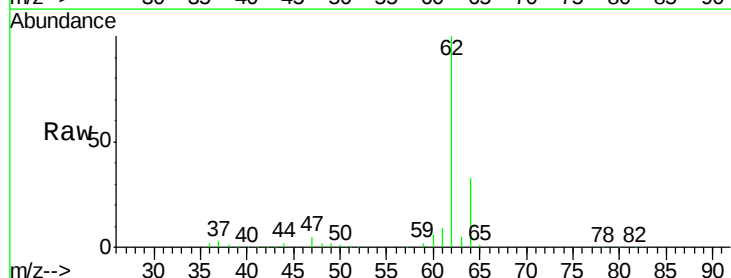
Acq: 01 May 2018 17:55

Tgt Ion: 62 Resp: 110067

Ion Ratio Lower Upper

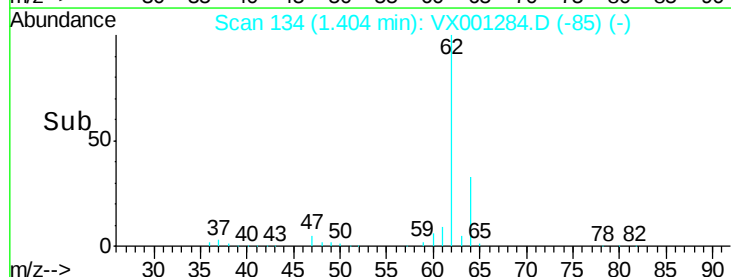
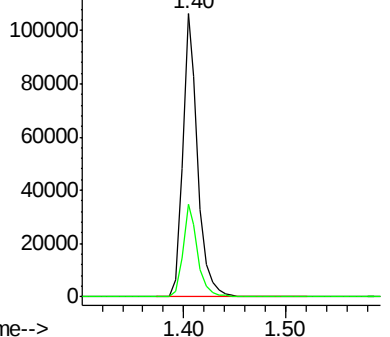
62 100

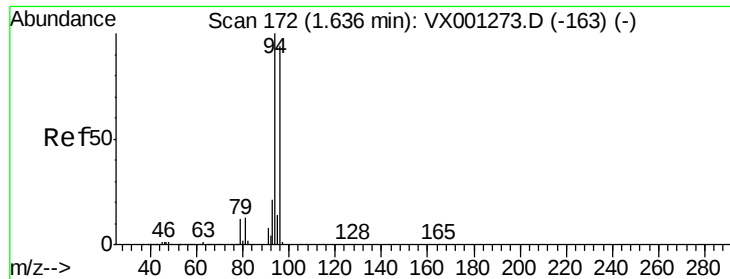
64 32.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 51.70 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 89143

Ion Ratio Lower Upper

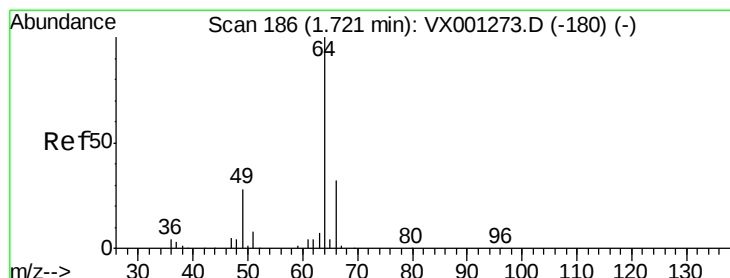
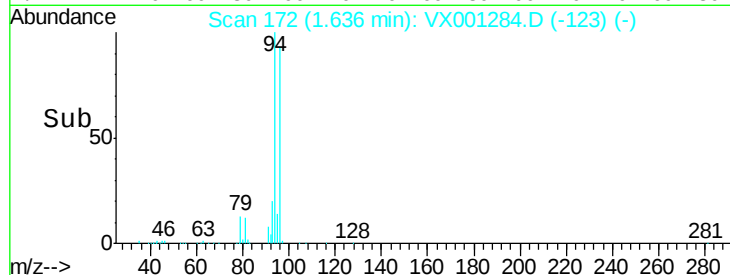
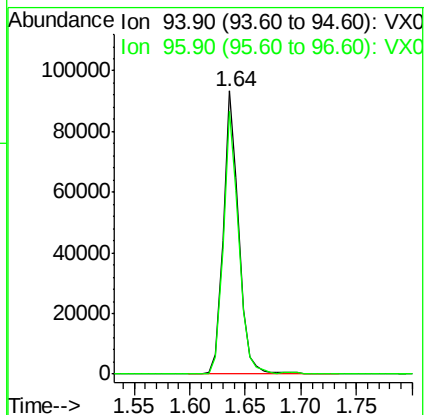
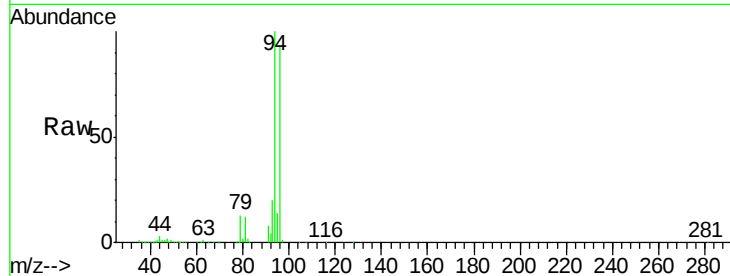
94 100

96 93.0 75.6 113.4

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#6

Chloroethane

Concen: 47.41 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001284.D

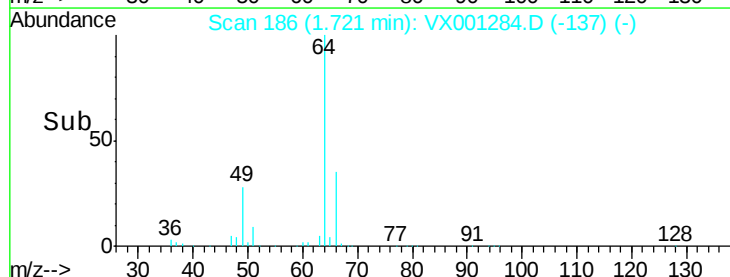
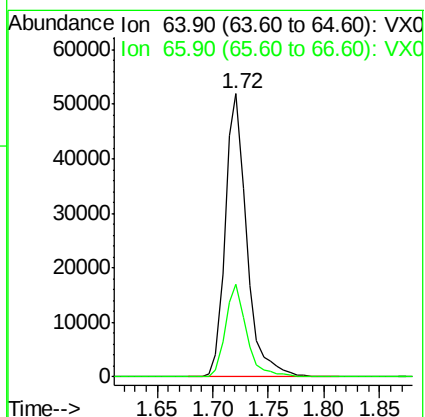
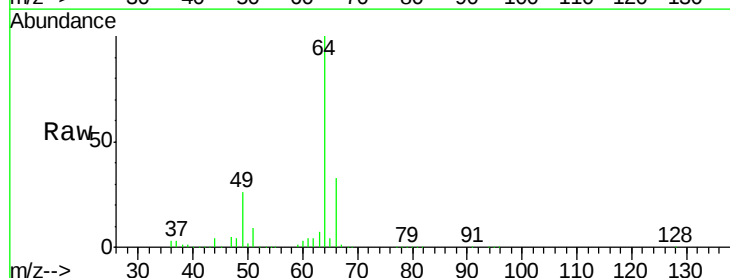
Acq: 01 May 2018 17:55

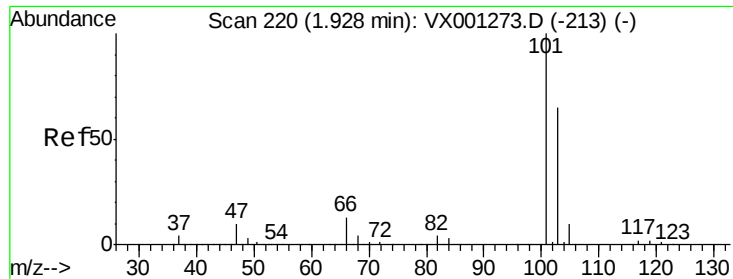
Tgt Ion: 64 Resp: 69374

Ion Ratio Lower Upper

64 100

66 32.5 25.7 38.5





#7

Trichlorofluoromethane

Concen: 49.51 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 193427

Ion Ratio Lower Upper

101 100

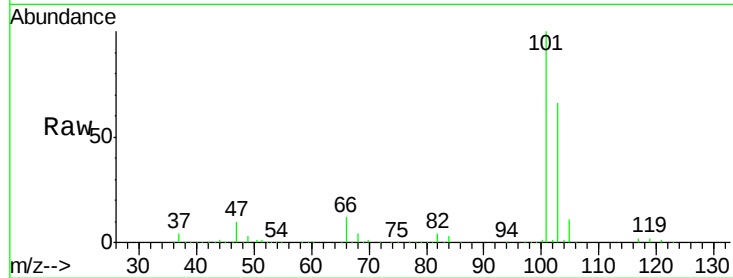
103 65.8 51.8 77.8

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

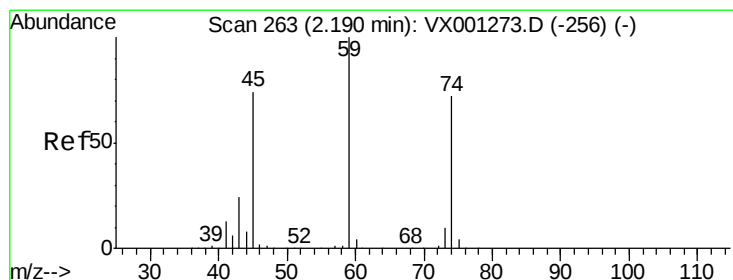
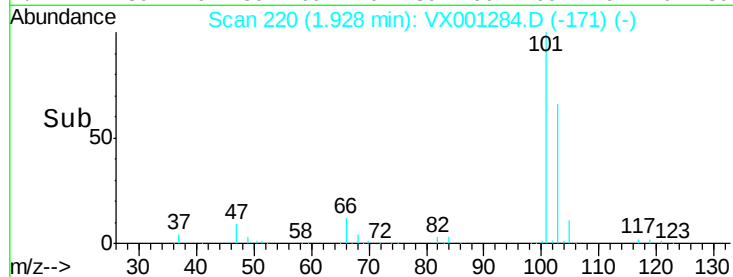
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 48.41 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001284.D

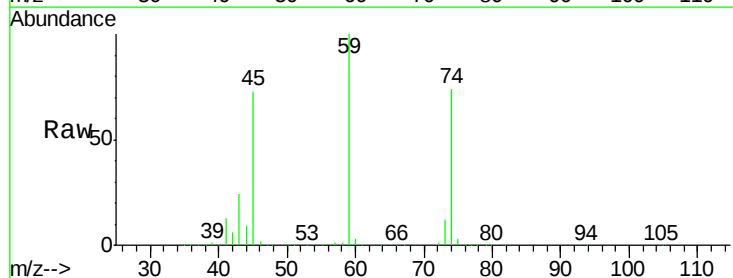
Acq: 01 May 2018 17:55

Tgt Ion: 74 Resp: 64948

Ion Ratio Lower Upper

74 100

45 97.8 49.3 147.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

50000

40000

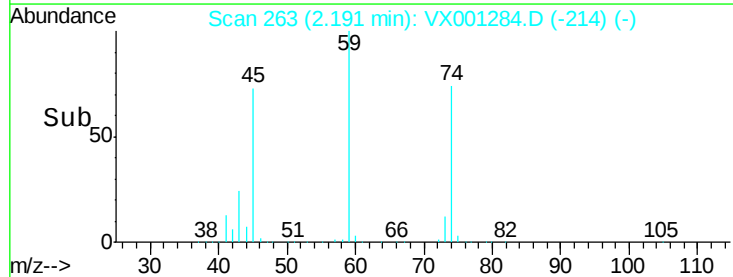
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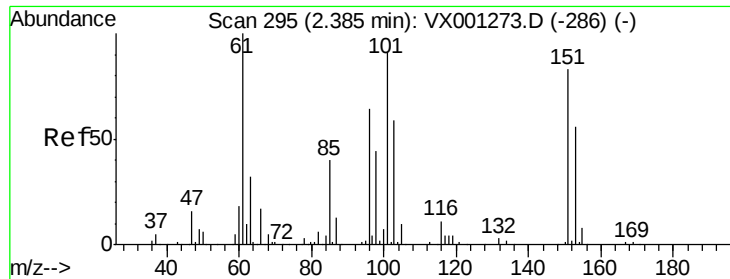
20000

10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.37 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

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MSVOA_X

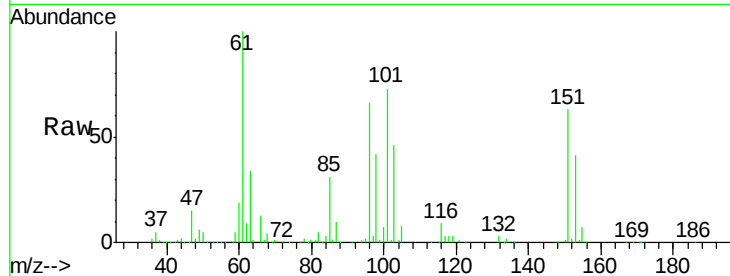
ClientSampleId :

VSTDCCC050

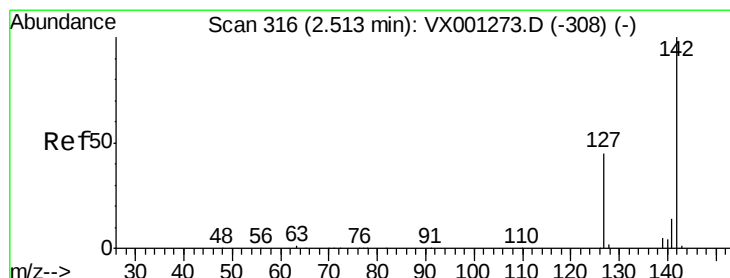
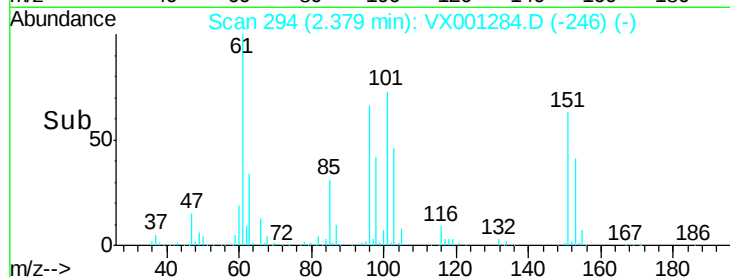
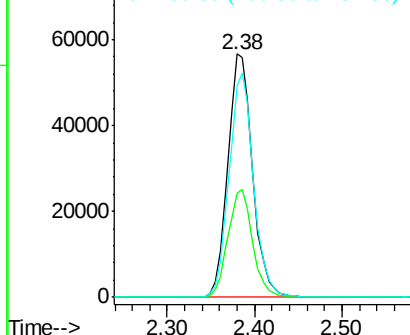
Tot Ion:	101	Resp:	111230
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.6	53.4
151	91.7	74.8	112.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.91 ug/l

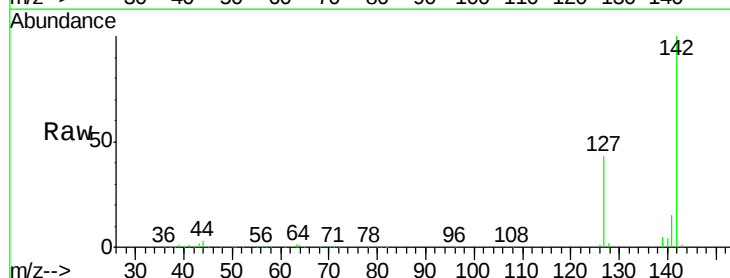
RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

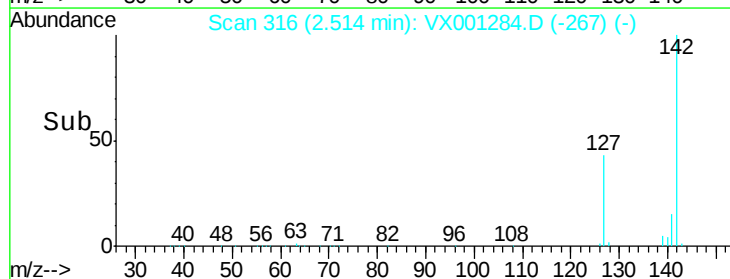
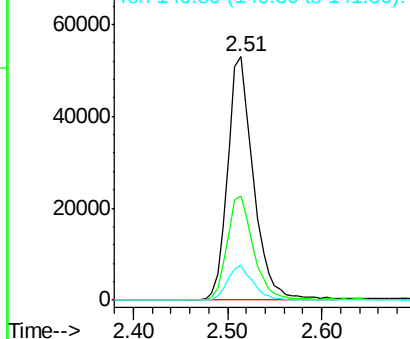
Lab File: VX001284.D

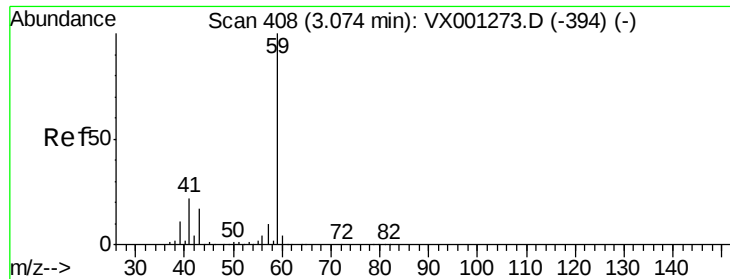
Acq: 01 May 2018 17:55

Tgt Ion:	142	Resp:	101007
Ion Ratio	Lower	Upper	
142	100		
127	43.7	35.7	53.5
141	14.3	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





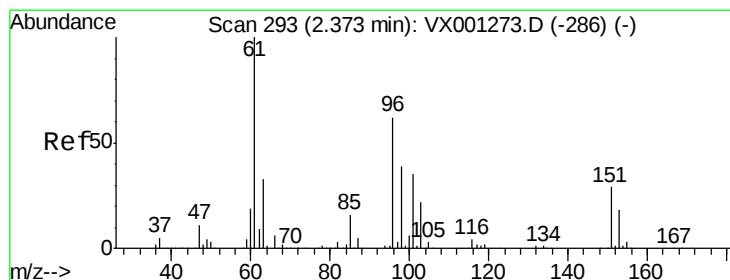
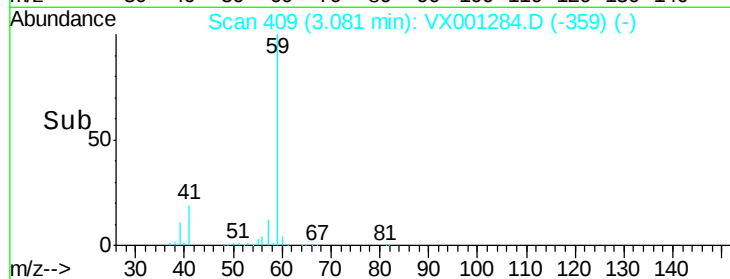
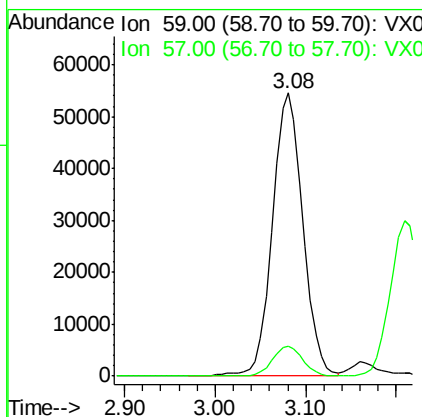
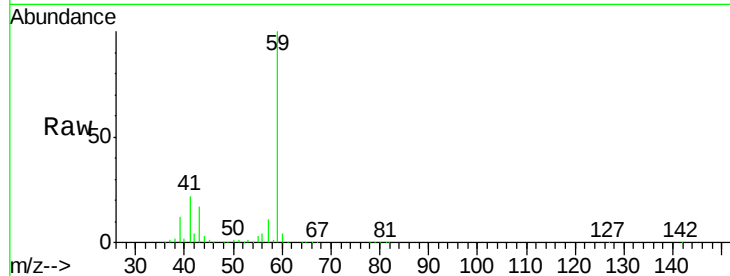
#11
Tert butyl alcohol
Concen: 262.25 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8

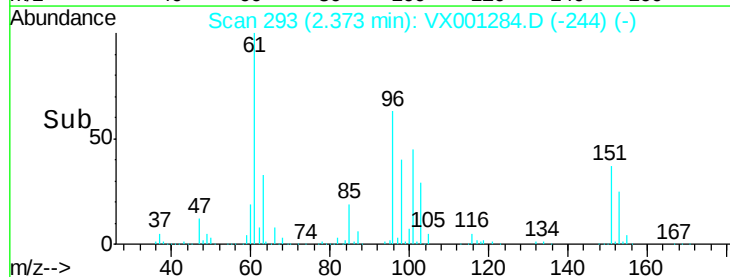
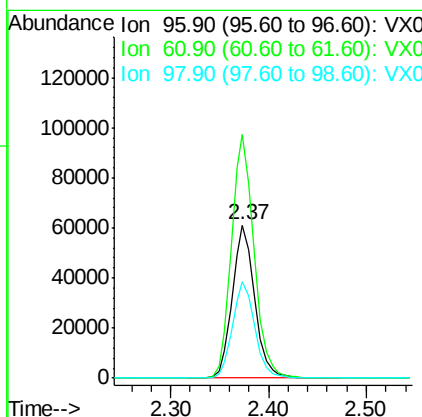
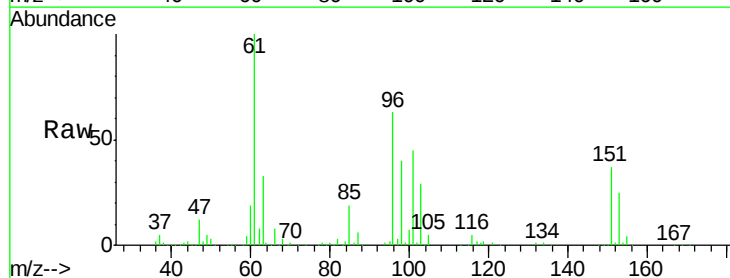
Manual Integrations
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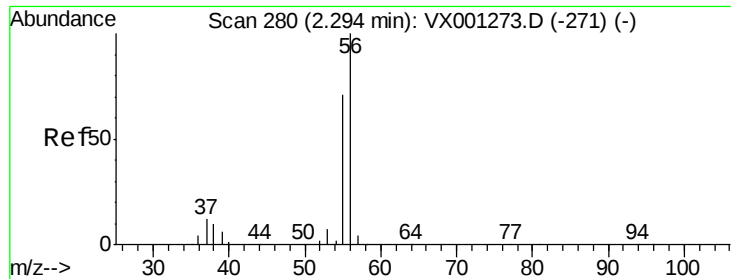
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.57 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.1	130.1	195.1
98	63.1	50.3	75.5





#13

Acrolein

Concen: 214.54 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 59574

Ion Ratio Lower Upper

56 100

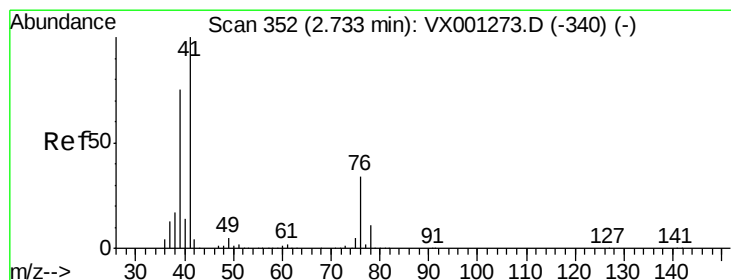
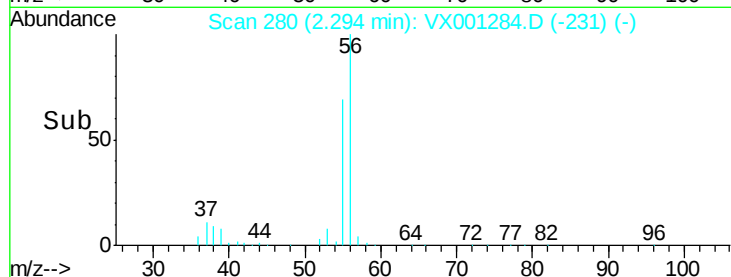
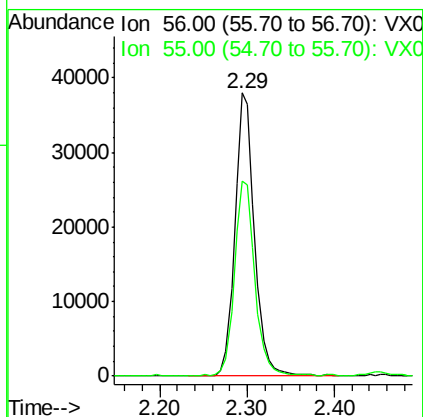
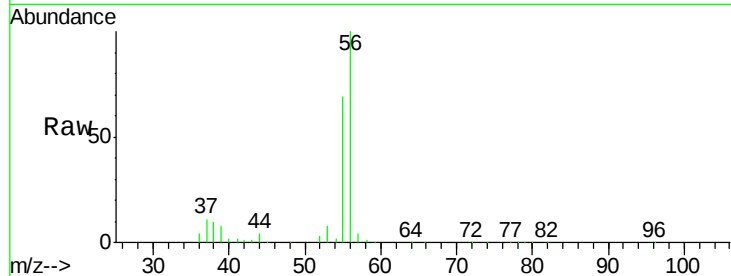
55 72.4 57.2 85.8

Manual Integrations

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#14

Allyl chloride

Concen: 48.54 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

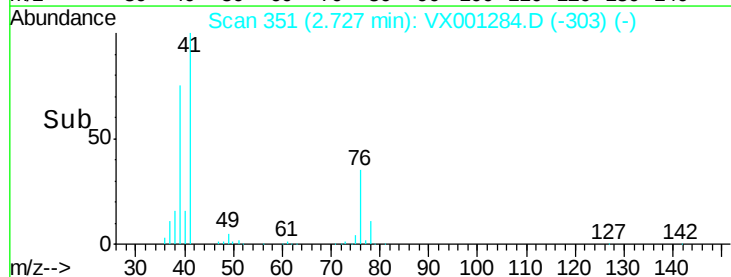
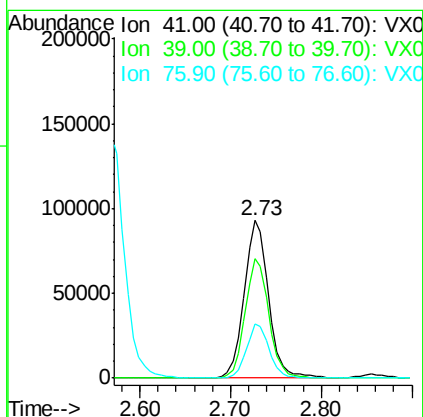
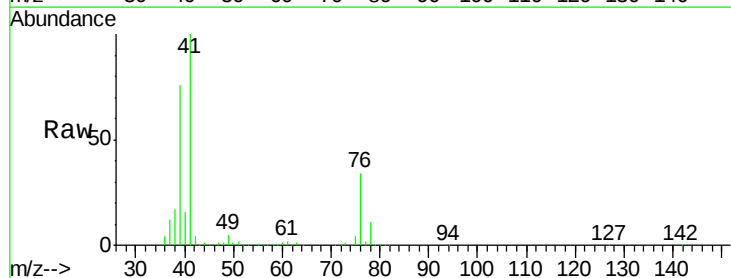
Tgt Ion: 41 Resp: 172518

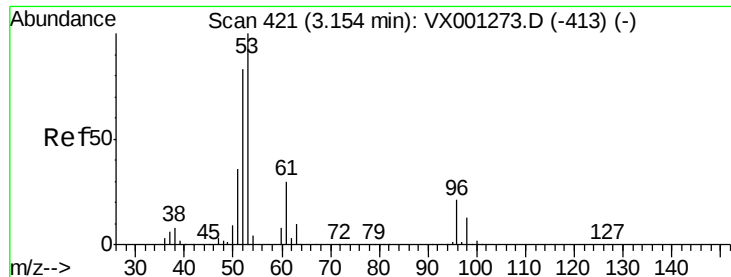
Ion Ratio Lower Upper

41 100

39 73.5 58.1 87.1

76 32.0 25.1 37.7





#15

Acrylonitrile

Concen: 244.64 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

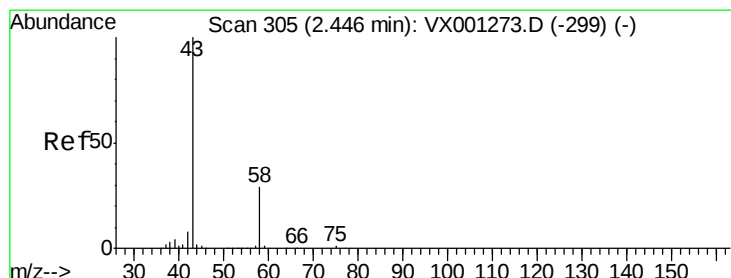
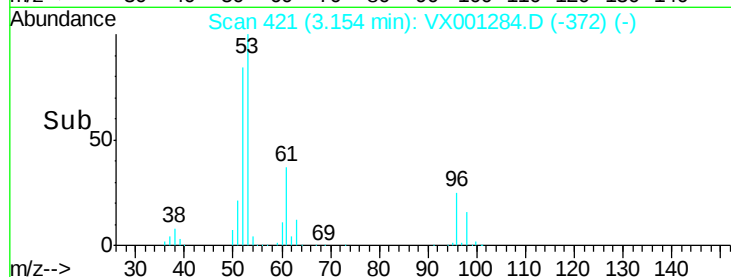
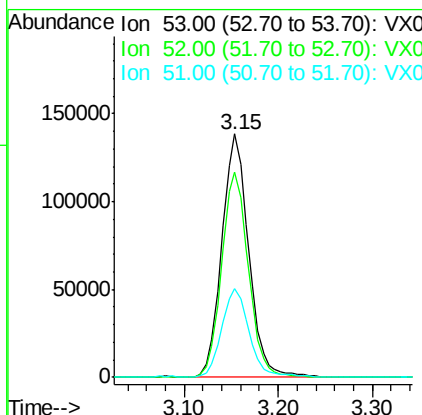
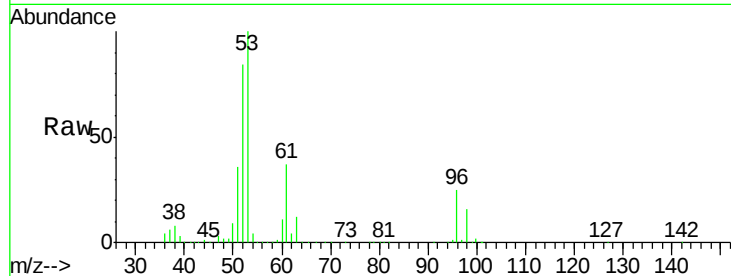
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	273450
Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.0	100.4
51	37.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 234.33 ug/l

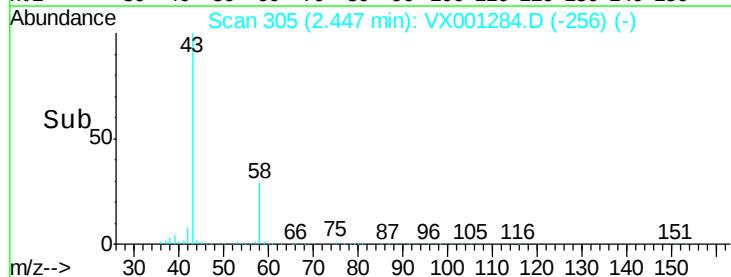
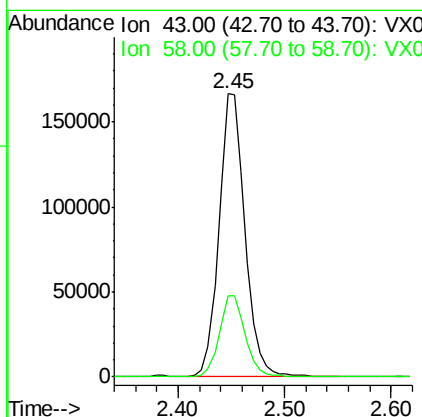
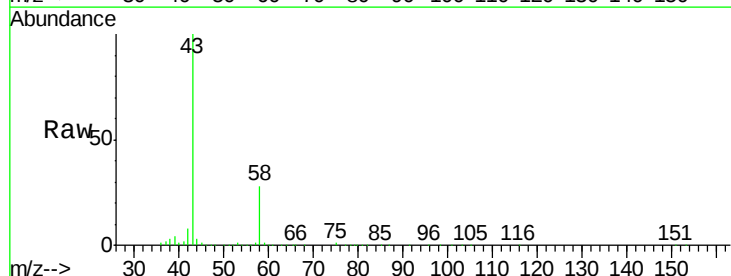
RT: 2.45 min Scan# 305

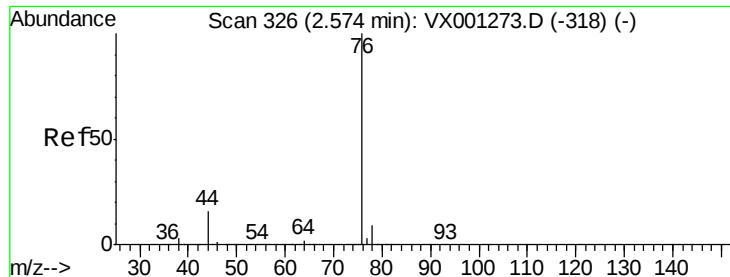
Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Tgt Ion:	43	Resp:	280387
Ion	Ratio	Lower	Upper
43	100		
58	28.5	22.8	34.2





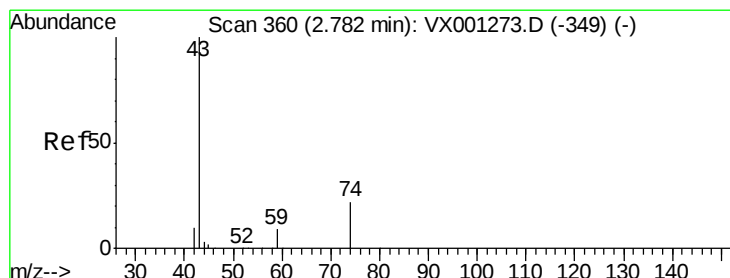
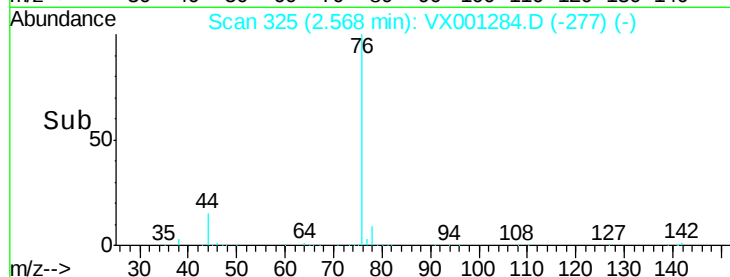
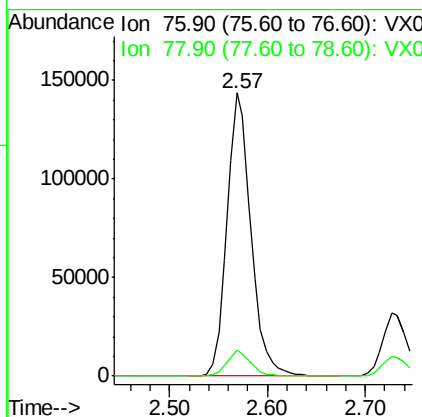
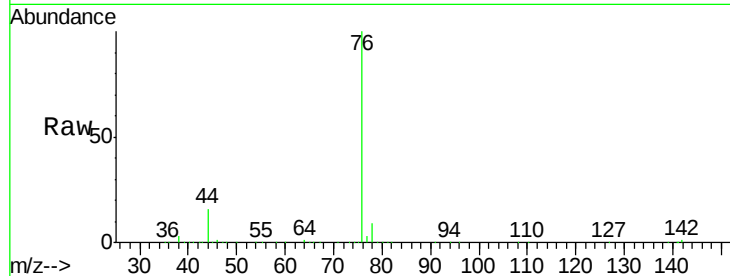
#17
Carbon Disulfide
Concen: 46.03 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

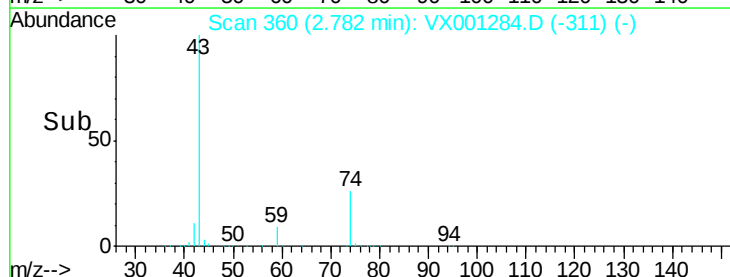
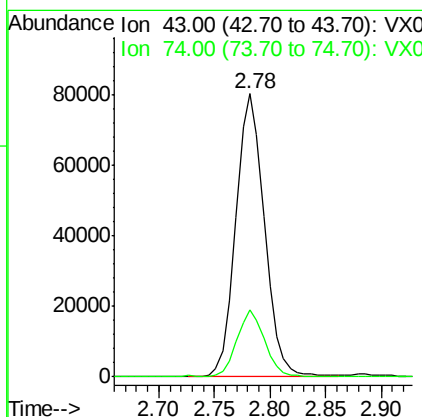
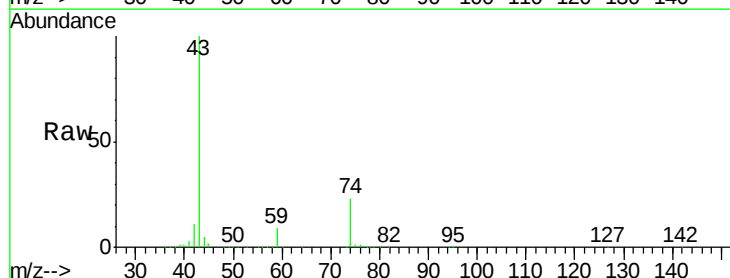
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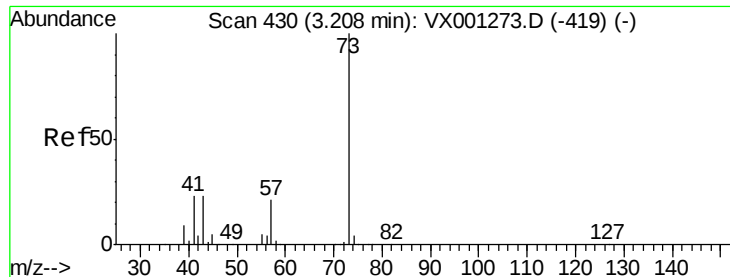
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#18
Methyl Acetate
Concen: 50.30 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.8	26.6





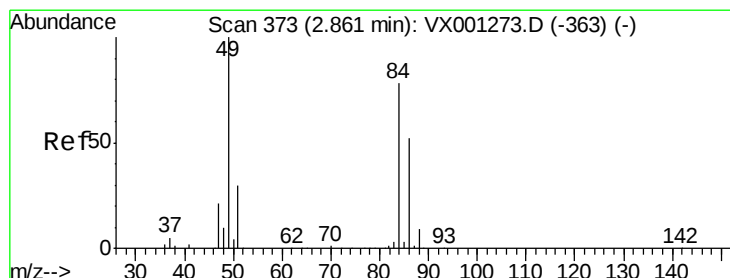
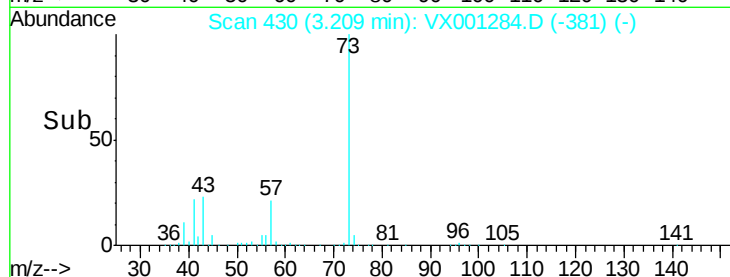
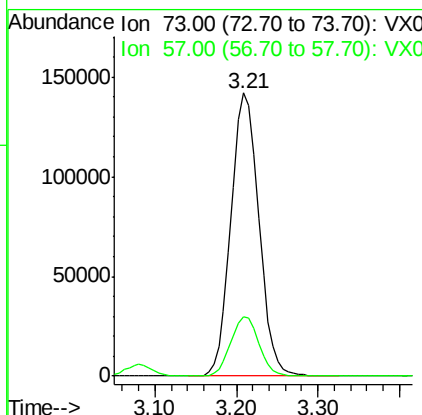
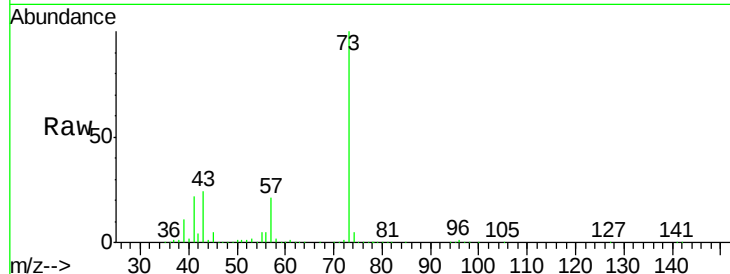
#19
Methvl tert-butvl Ether
Concen: 48.53 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 335785
Ion Ratio Lower Upper
73 100
57 21.0 16.8 25.2

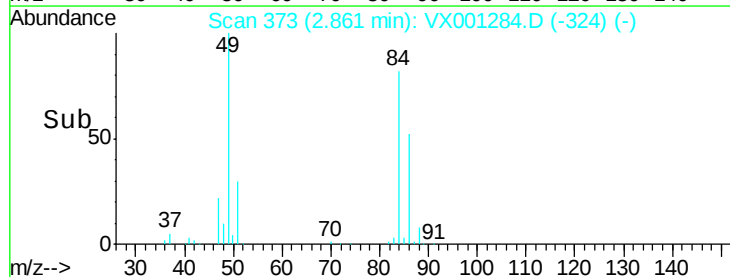
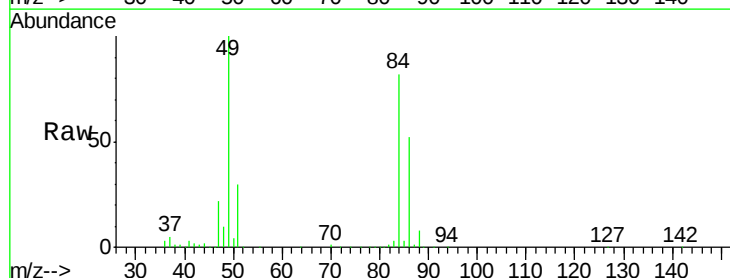
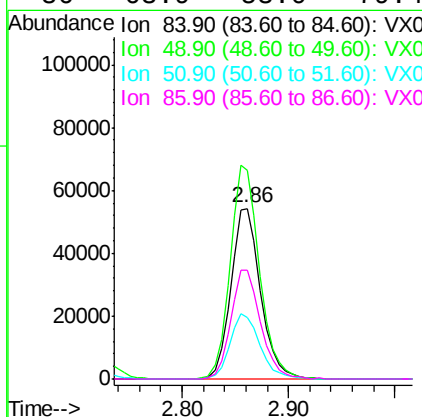
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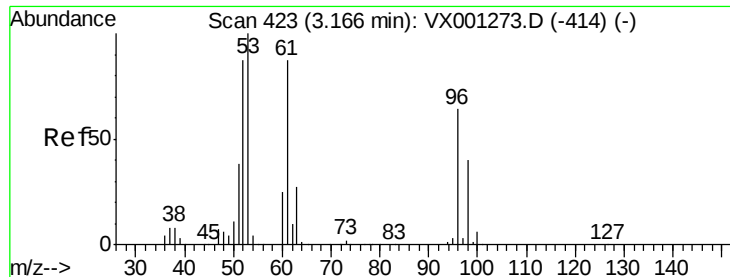
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#20
Methylene Chloride
Concen: 49.10 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion: 84 Resp: 106063
Ion Ratio Lower Upper
84 100
49 122.3 102.8 154.2
51 36.1 30.9 46.3
86 63.9 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 46.89 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 103676

Ion Ratio Lower Upper

96 100

61 137.1 108.6 162.8

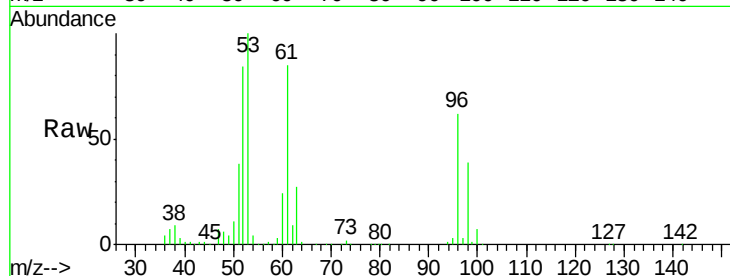
98 63.1 49.7 74.5

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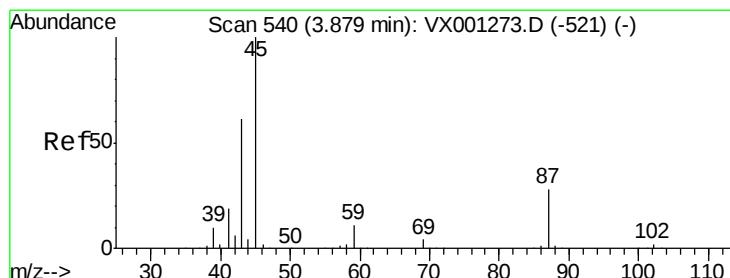
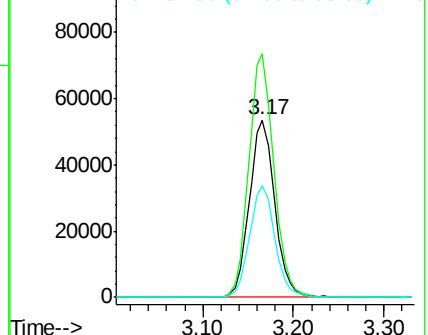
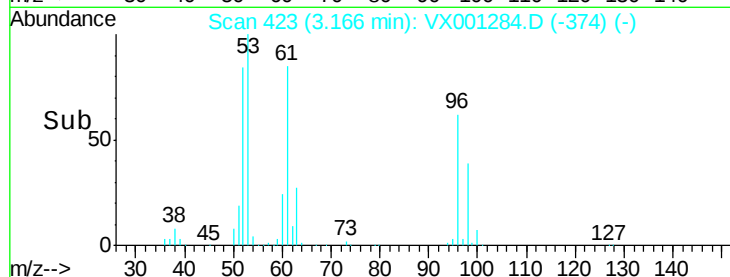
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 46.16 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Tgt Ion: 45 Resp: 315923

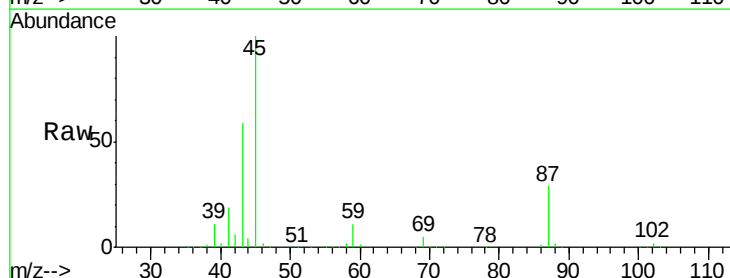
Ion Ratio Lower Upper

45 100

43 58.7 48.7 73.1

87 28.6 22.2 33.4

59 11.1 9.1 13.7

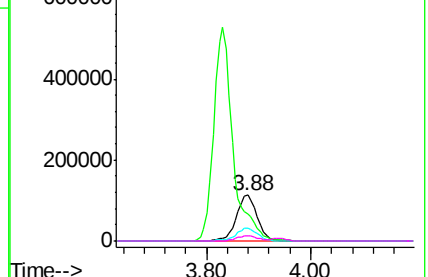
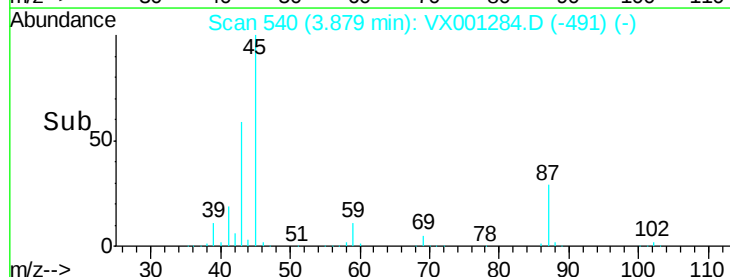


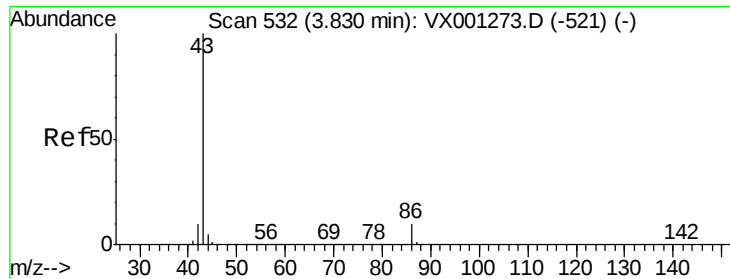
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





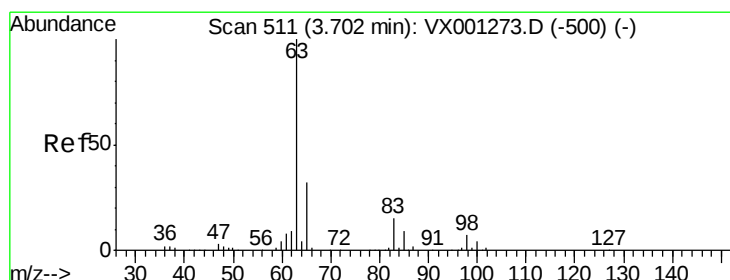
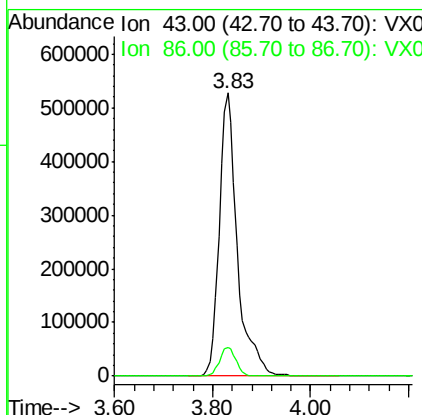
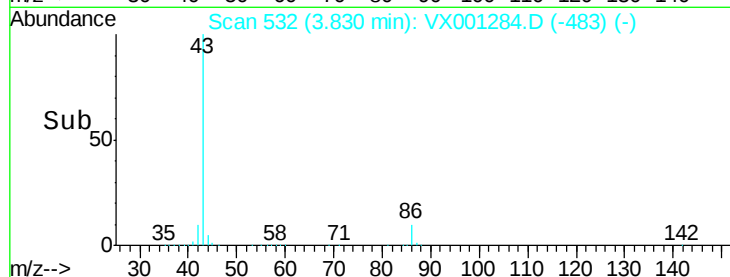
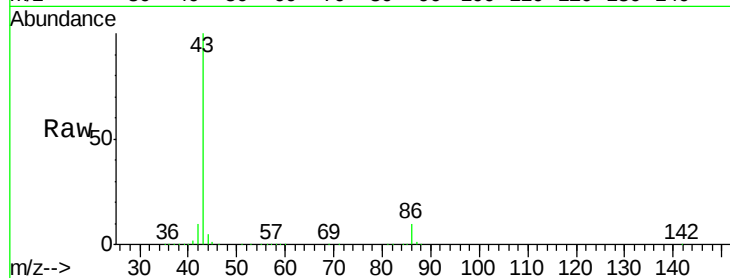
#23
 Vinyl Acetate
 Concen: 233.43 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VX001284.D
 Acq: 01 May 2018 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1353888
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.2 12.4

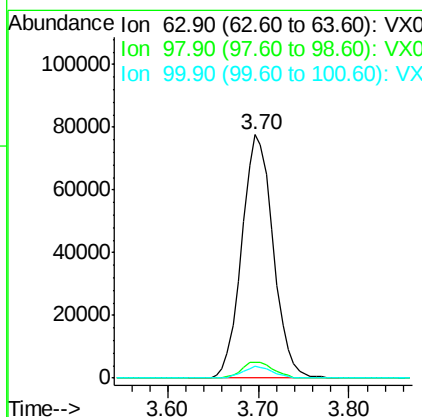
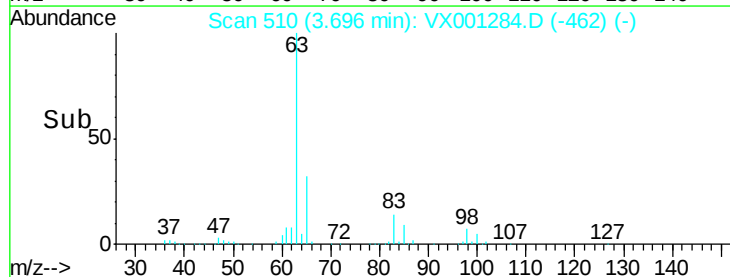
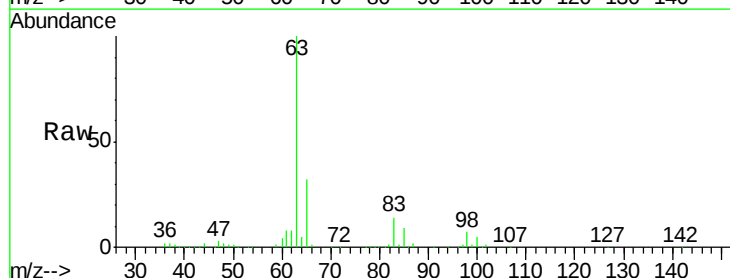
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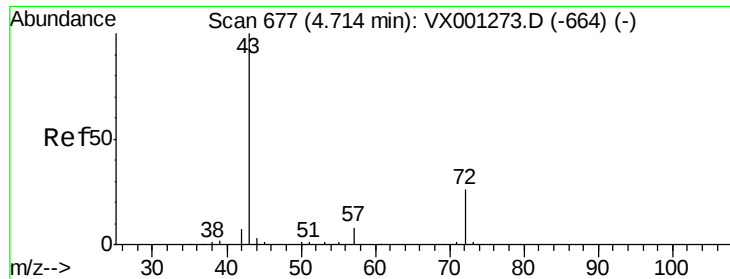
MMDadoda
 5/2/2018 4:20:56 PM



#24
 1,1-Dichloroethane
 Concen: 48.73 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VX001284.D
 Acq: 01 May 2018 17:55

Tgt Ion: 63 Resp: 185782
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.5
 100 4.7 2.3 6.8





#25

2-Butanone

Concen: 236.10 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Tot Ion: 43 Resp: 381968

Ion Ratio Lower Upper

43 100

72 26.0 20.5 30.7

Instrument :

MSVOA_X

ClientSampled :

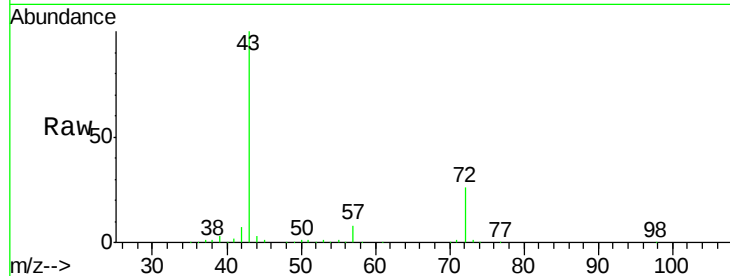
VSTDCCC050

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

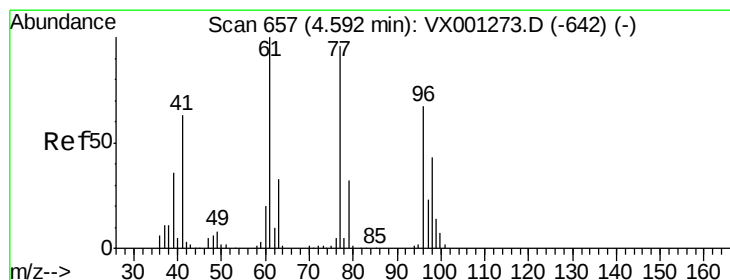
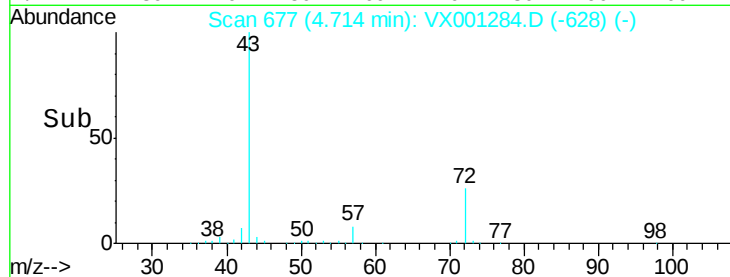
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.79 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX001284.D

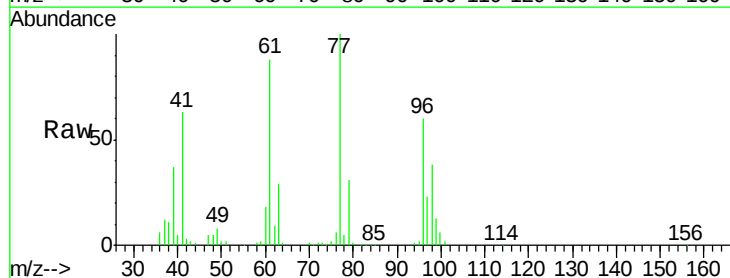
Acq: 01 May 2018 17:55

Tgt Ion: 77 Resp: 145172

Ion Ratio Lower Upper

77 100

97 23.7 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

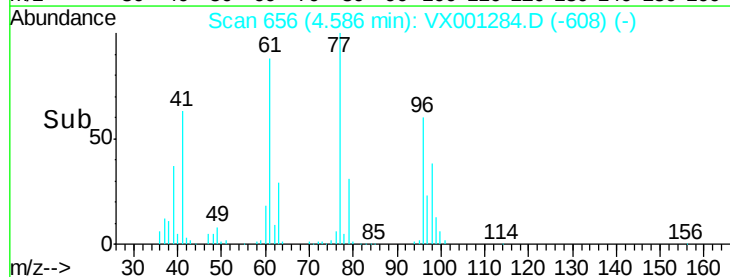
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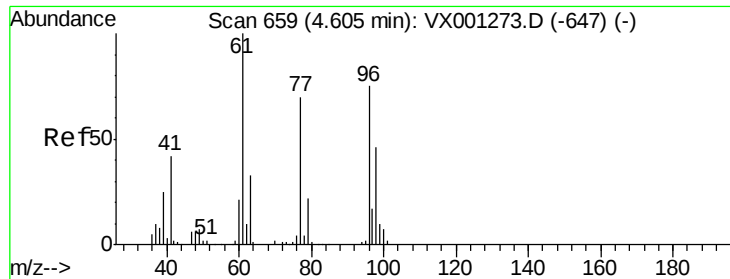
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

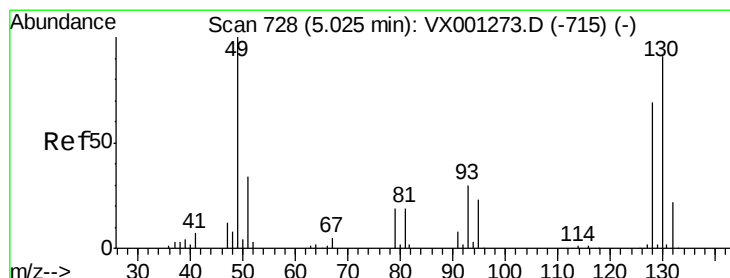
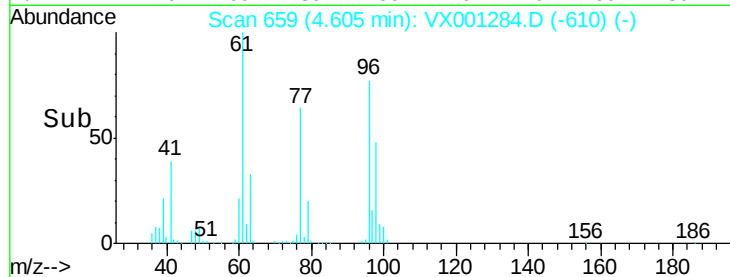
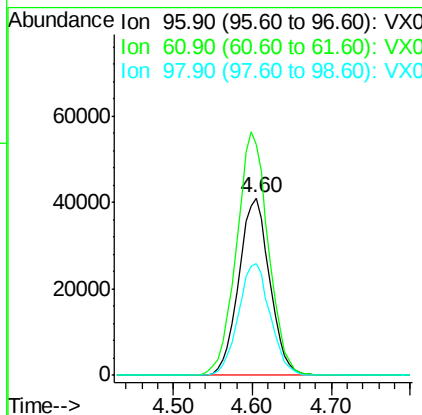
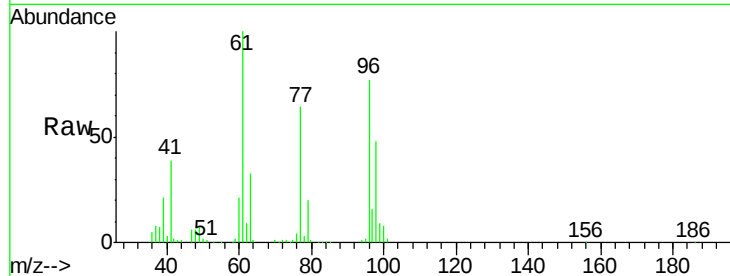
cis-1,2-Dichloroethene
Concen: 46.13 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	112093		
61	141.4	0.0	288.0	
98	64.7	0.0	130.2	

Manual Integrations
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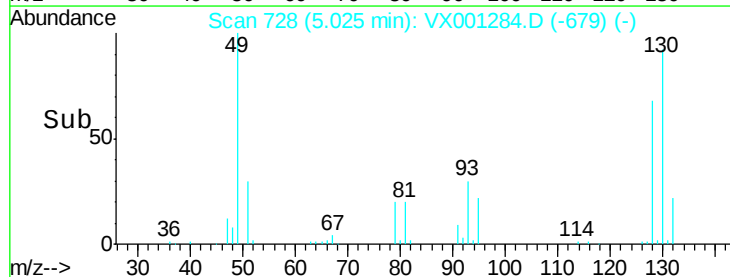
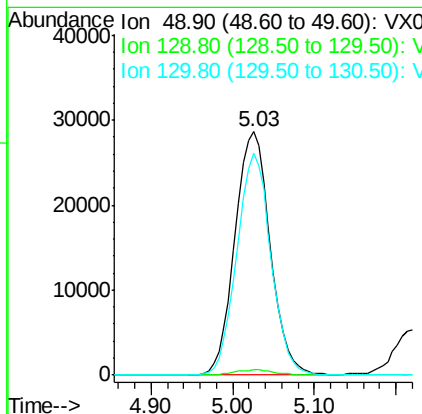
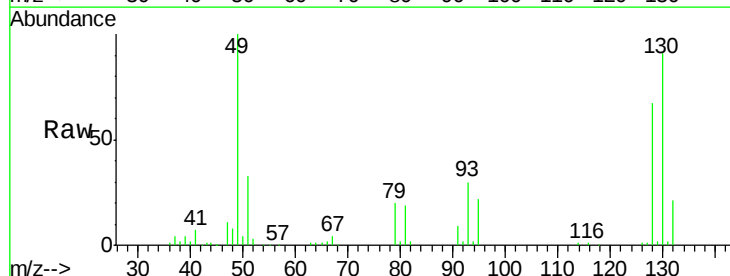
MMDadoda
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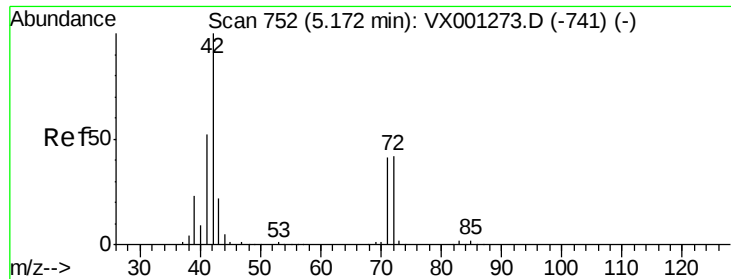


#28

Bromochloromethane
Concen: 50.19 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	86015		
129	2.4	0.0	4.8	
130	88.2	70.4	105.6	





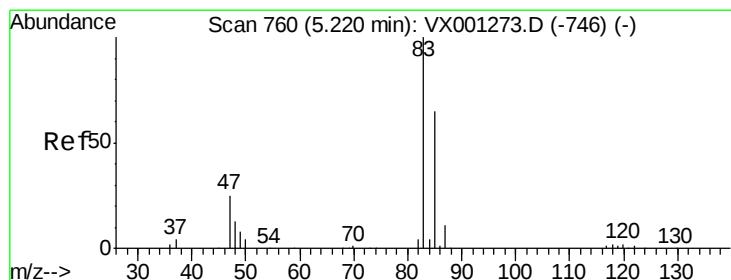
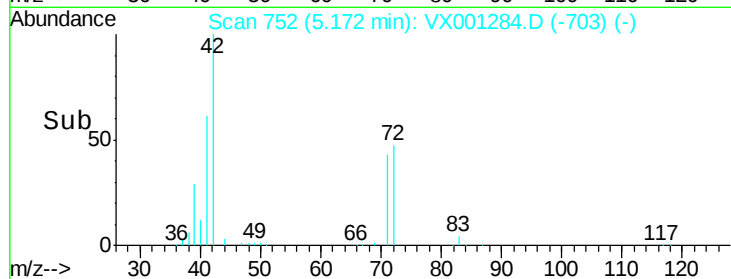
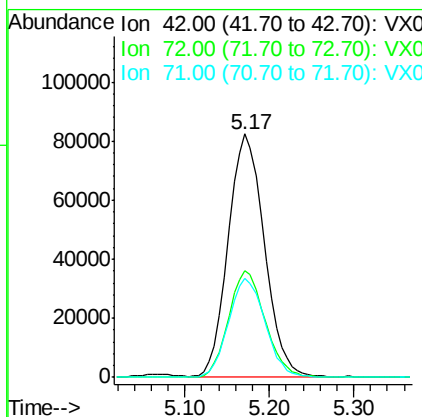
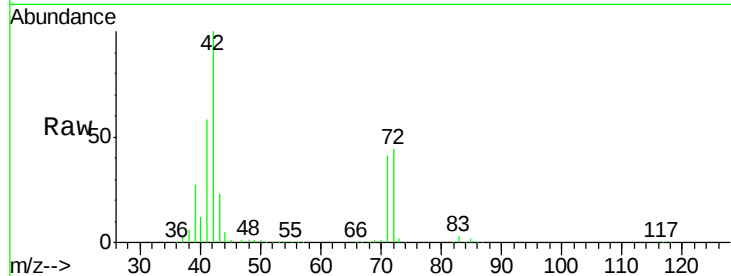
#29
Tetrahydrofuran
Concen: 240.49 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	34.6	52.0
71	41.4	32.7	49.1

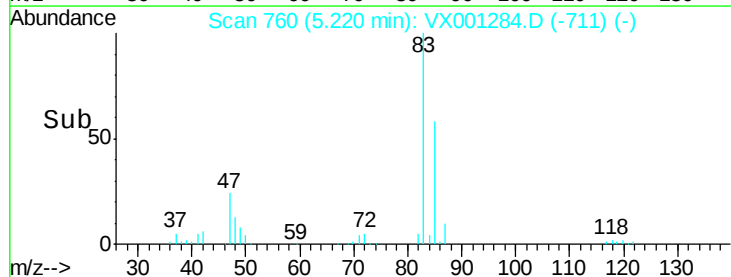
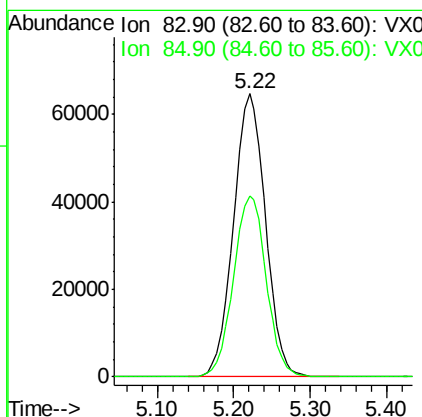
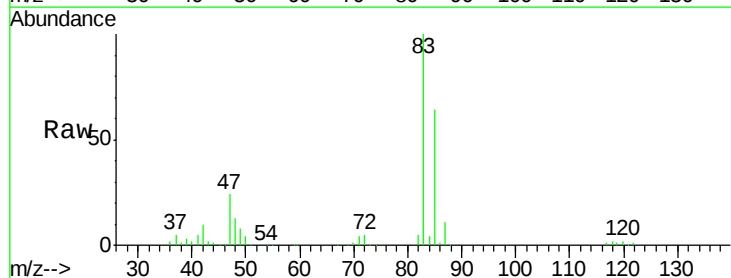
Manual Integrations
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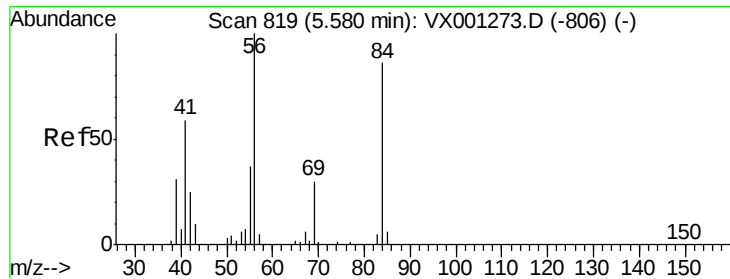
MMDadoda
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#30
Chloroform
Concen: 46.61 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.2	78.2





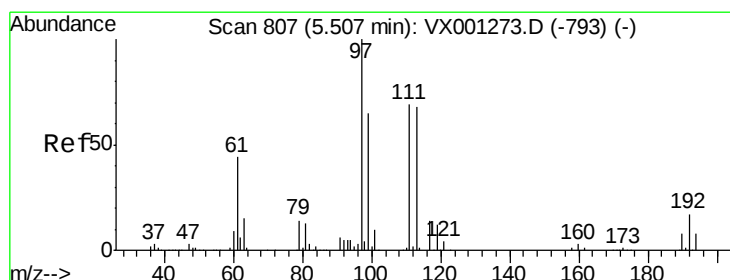
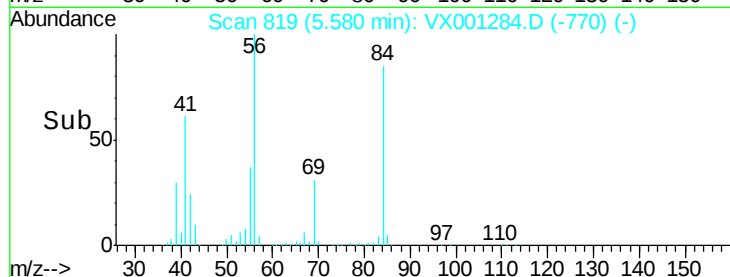
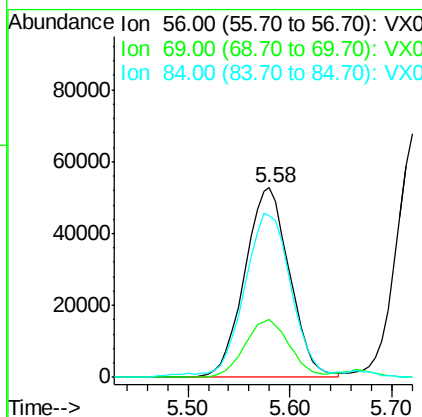
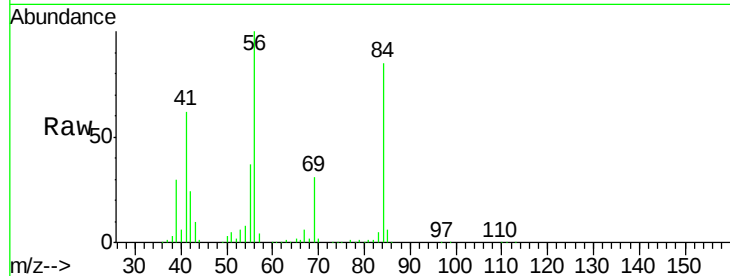
#31
Cyclohexane
Concen: 46.67 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.0	36.0
84	83.2	69.0	103.4

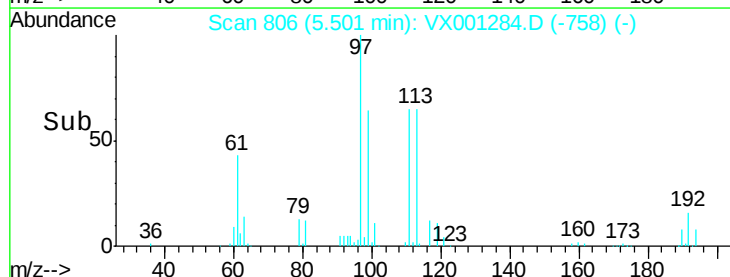
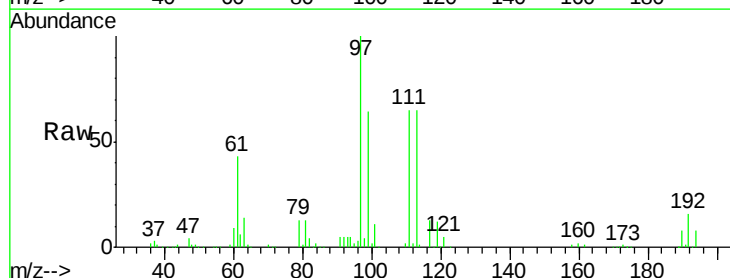
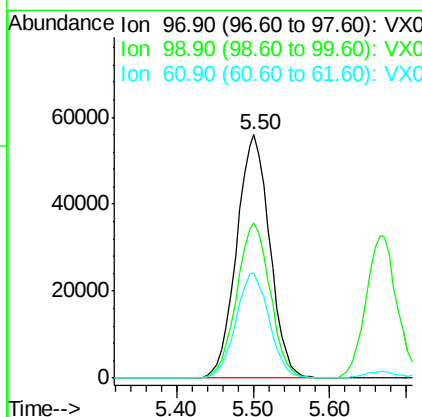
Manual Integrations
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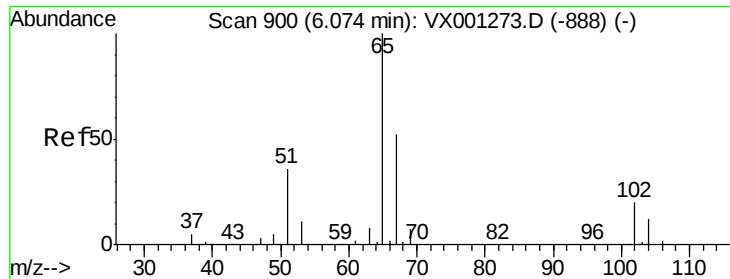
MMDadoda
5/2/2018 4:20:56 PM



#32
1,1,1-Trichloroethane
Concen: 47.74 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.6
61	43.6	35.4	53.2





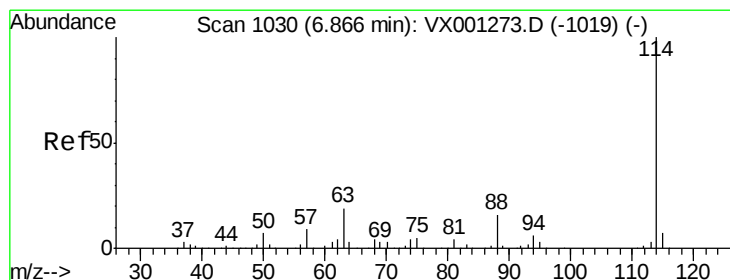
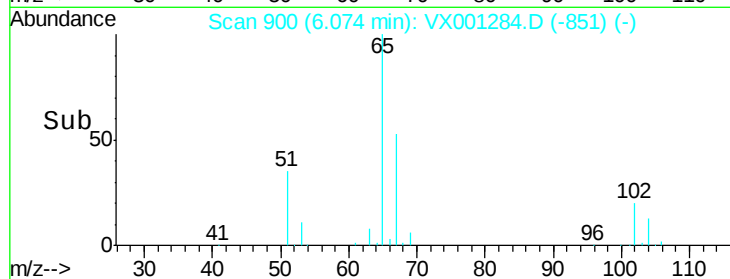
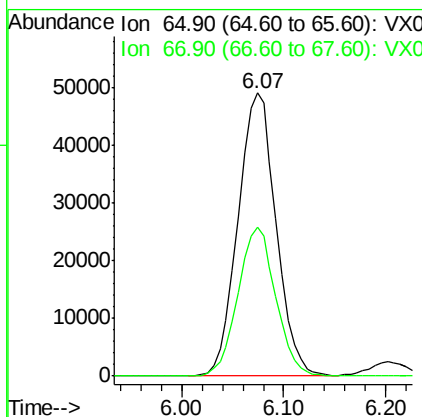
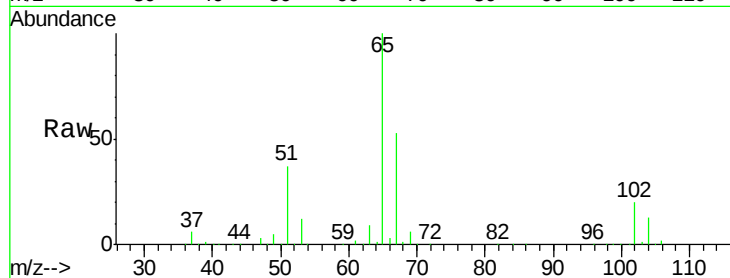
#33
 1,2-Dichloroethane-d4
 Concen: 45.45 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001284.D
 Acq: 01 May 2018 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	127402		
67	52.0	0.0	102.8	

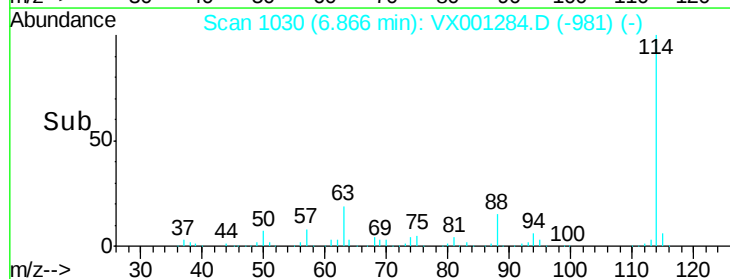
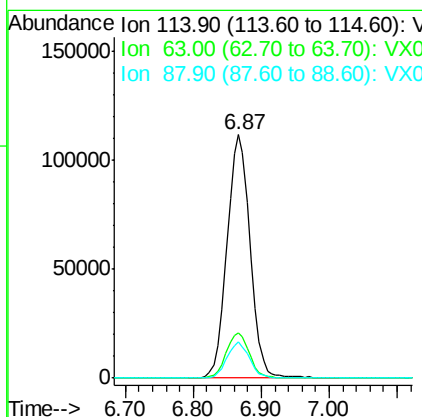
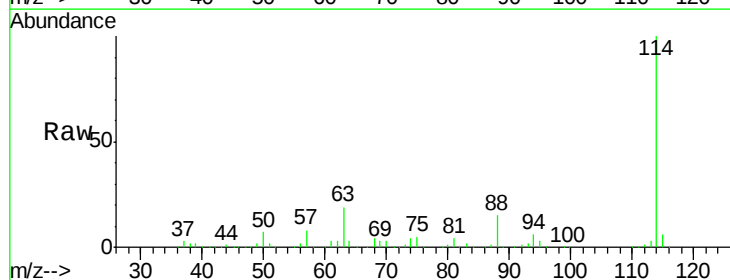
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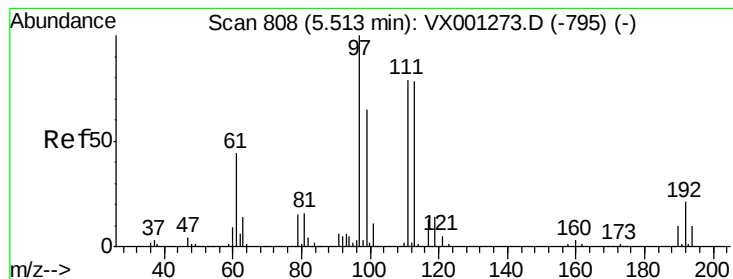
MMDadoda
 5/2/2018 4:20:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001284.D
 Acq: 01 May 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	262300		
63	18.6	0.0	38.8	
88	15.0	0.0	32.2	





#35

Dibromofluoromethane

Concen: 48.12 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

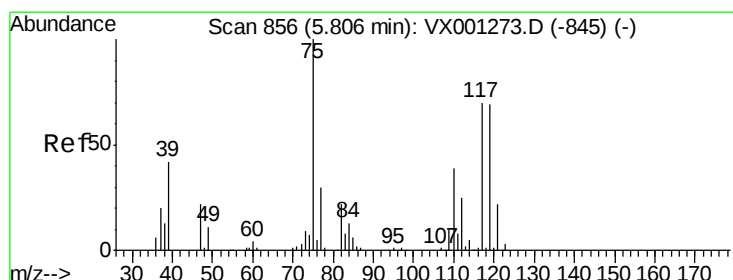
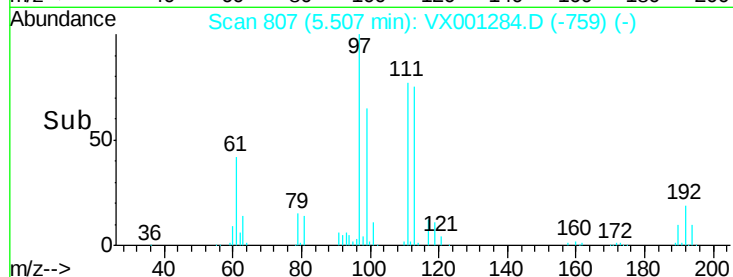
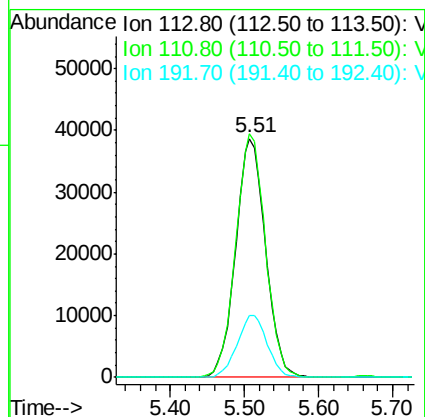
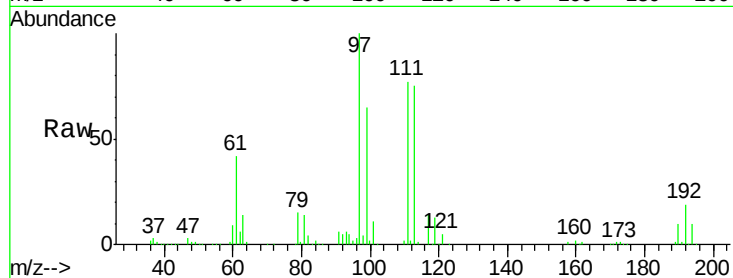
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	108737
Ion Ratio	Lower	Upper	
113	100		
111	101.3	81.2	121.8
192	26.1	20.7	31.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.95 ug/l

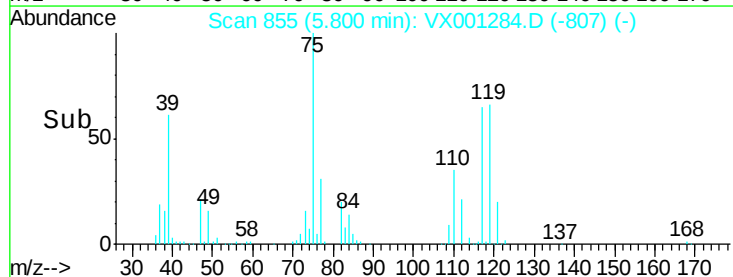
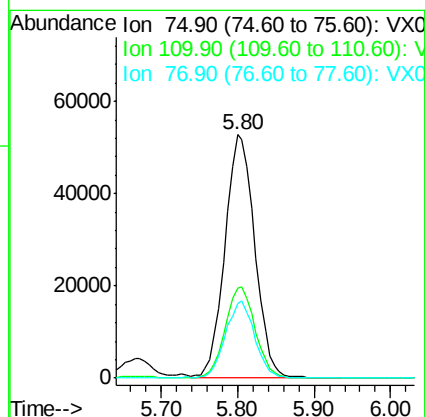
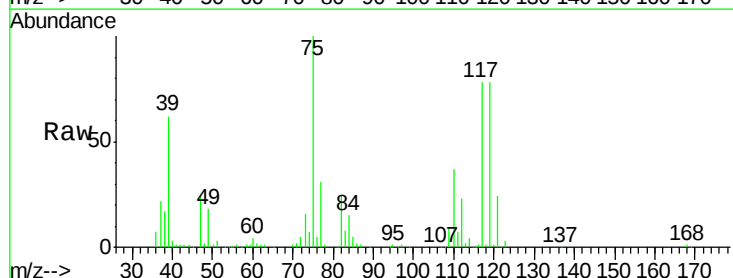
RT: 5.80 min Scan# 855

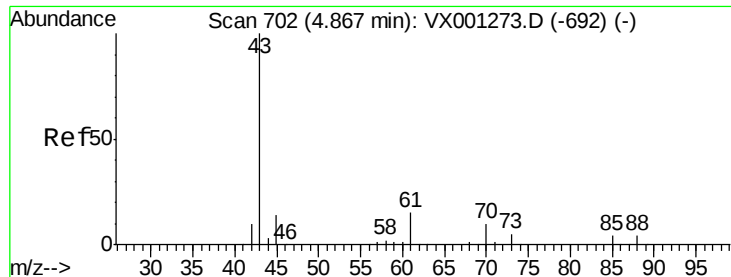
Delta R.T. -0.01 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Tgt Ion:	75	Resp:	142134
Ion Ratio	Lower	Upper	
75	100		
110	37.6	18.9	56.9
77	31.1	24.2	36.2





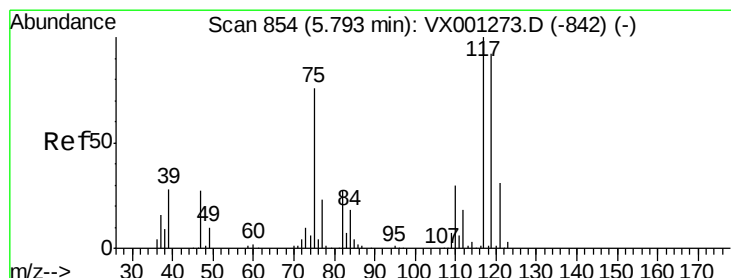
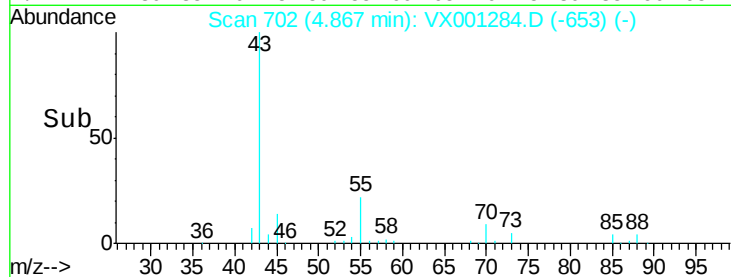
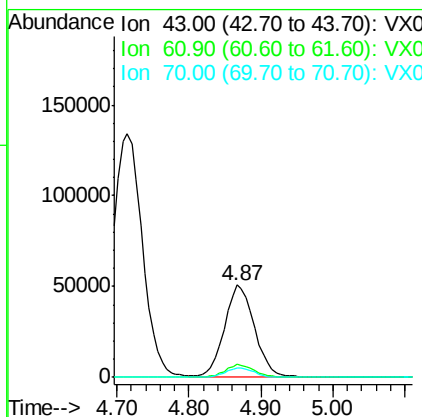
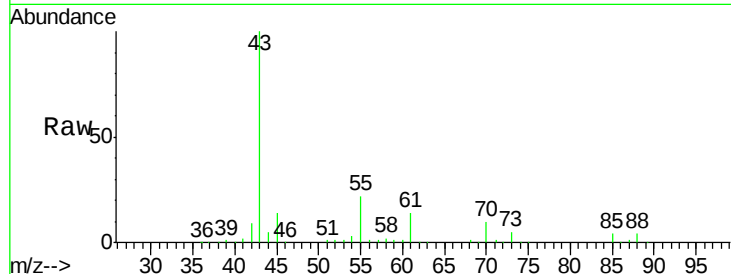
#37
Ethyl Acetate
Concen: 48.23 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.7	16.1
70	9.9	8.0	12.0

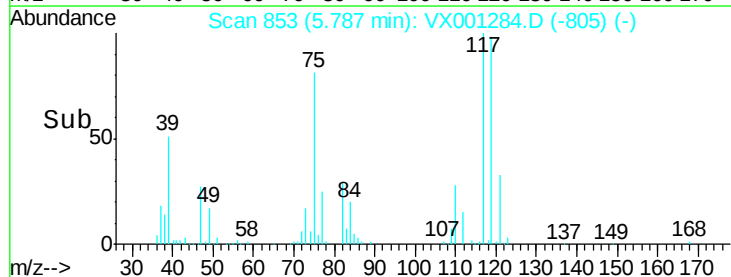
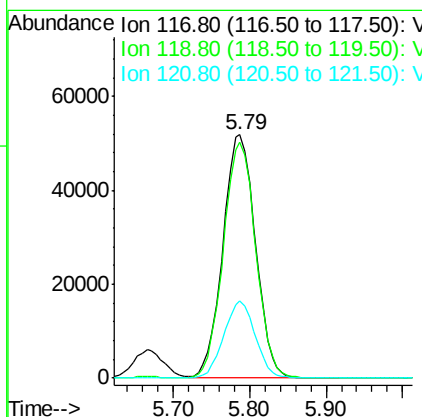
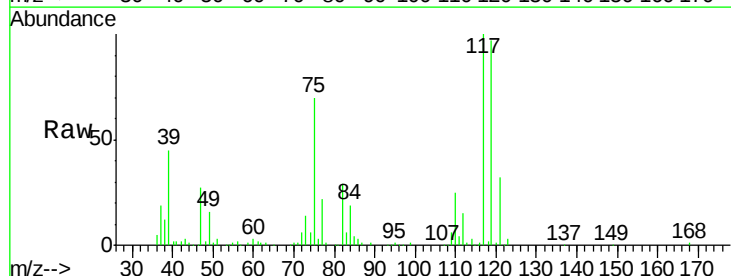
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#38
Carbon Tetrachloride
Concen: 48.20 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	73.4	110.2
121	31.9	25.0	37.4





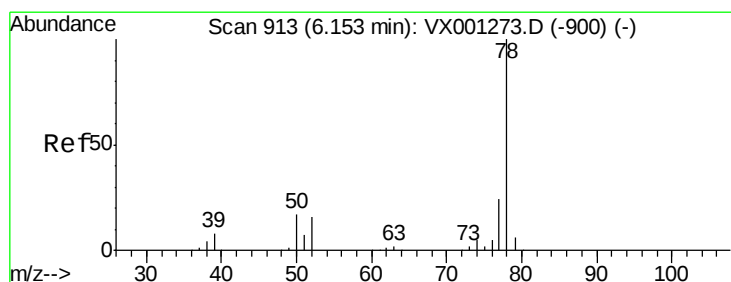
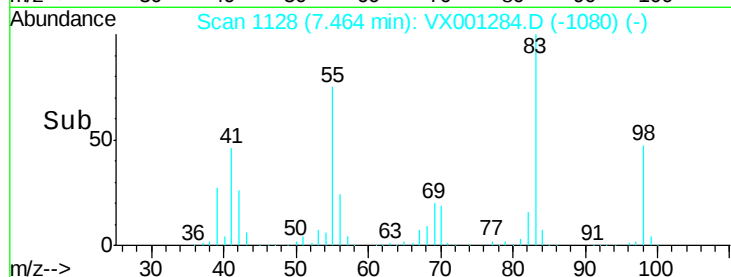
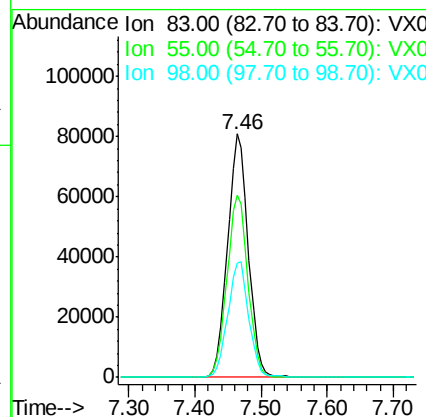
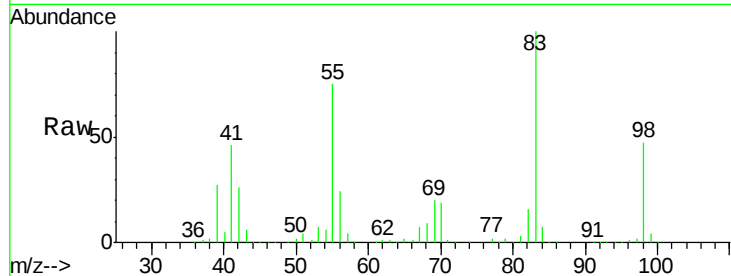
#39
Methvlcvclohexane
Concen: 49.13 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	175921		
55	74.6		60.4	90.6
98	47.2		37.0	55.6

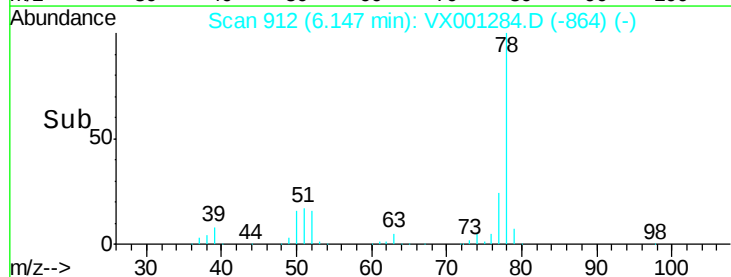
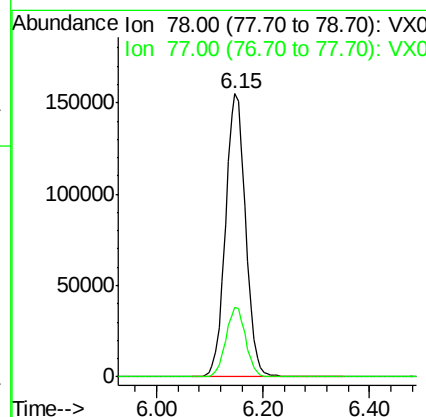
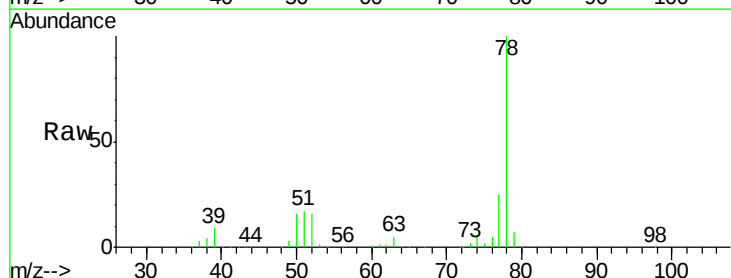
Manual Integrations
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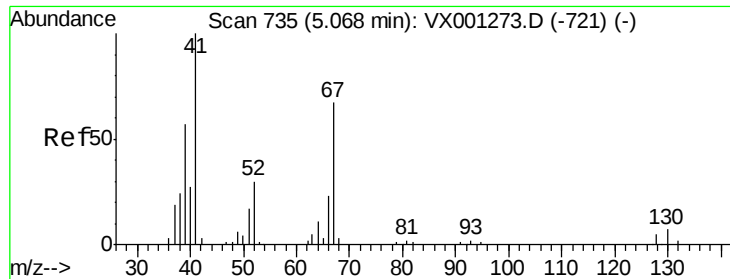
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#40
Benzene
Concen: 47.11 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	410308		
77	24.5		19.0	28.4





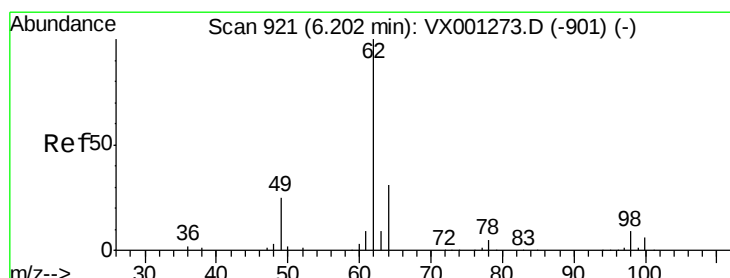
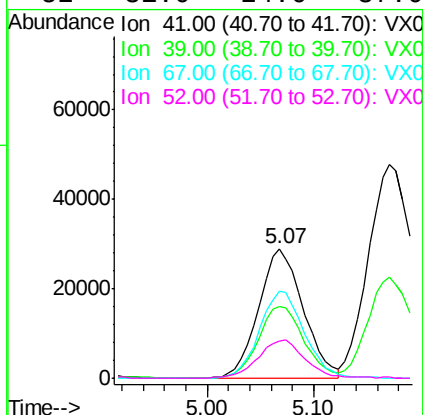
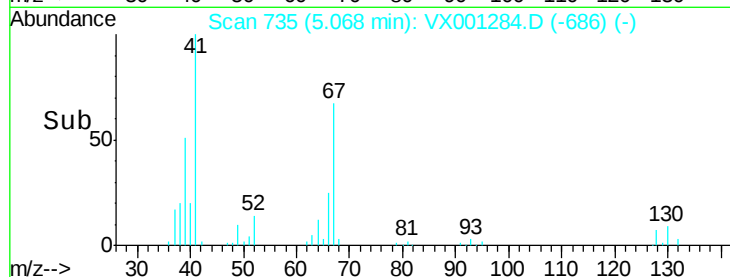
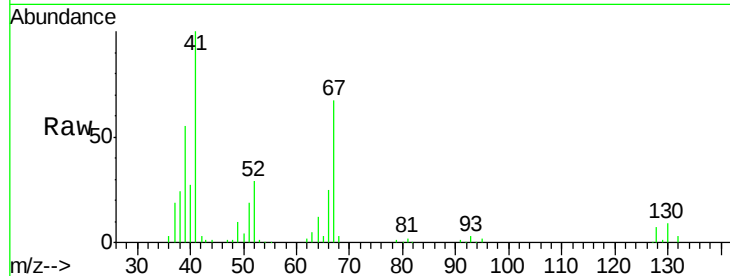
#41
Methacrylonitrile
Concen: 47.42 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.2	45.8	68.8	
67	67.6	54.8	82.2	
52	31.0	24.6	37.0	

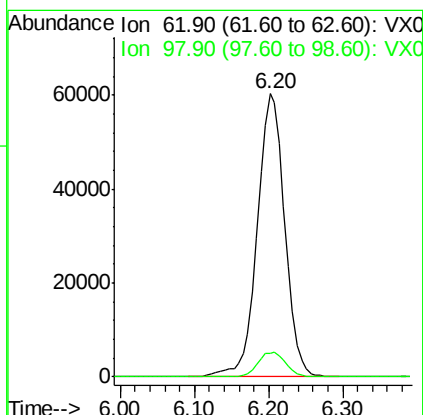
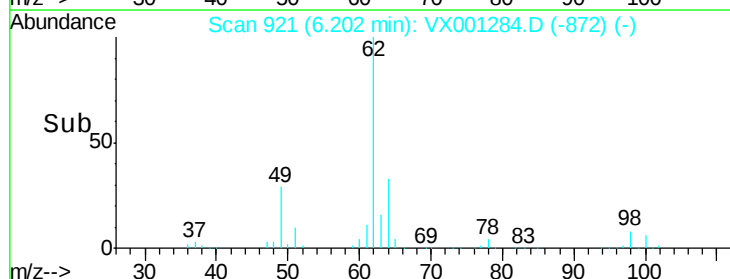
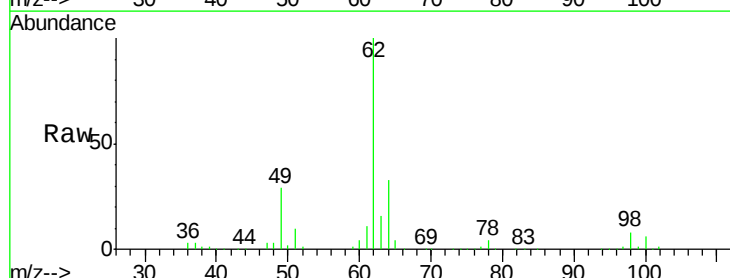
Manual Integrations
APPROVED

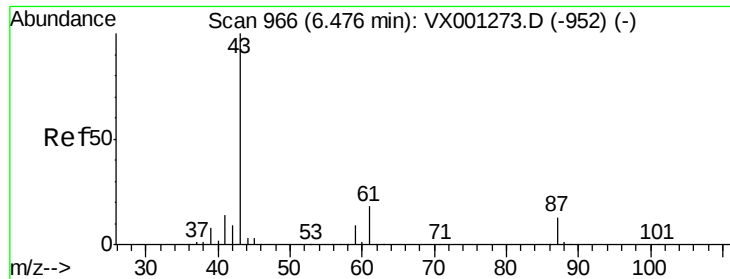
MMDadoda
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#42
1,2-Dichloroethane
Concen: 46.32 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	17.2	





#43

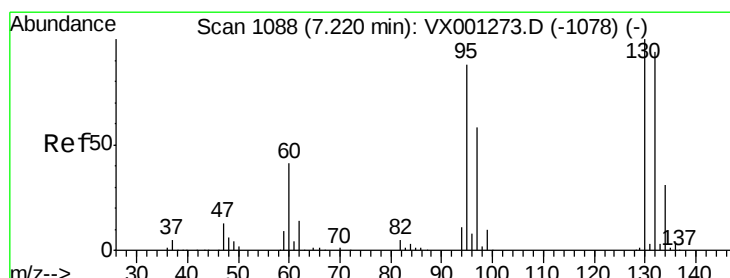
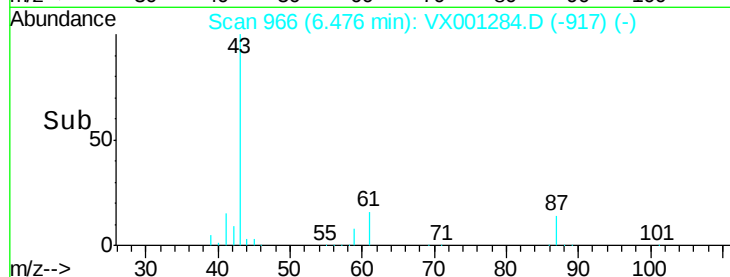
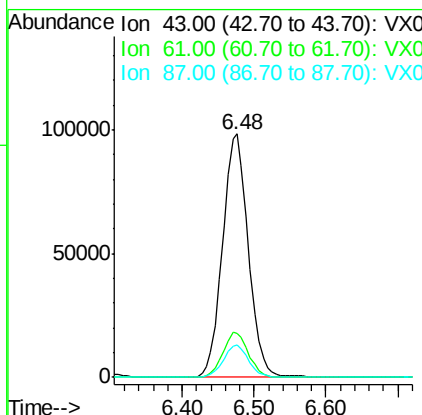
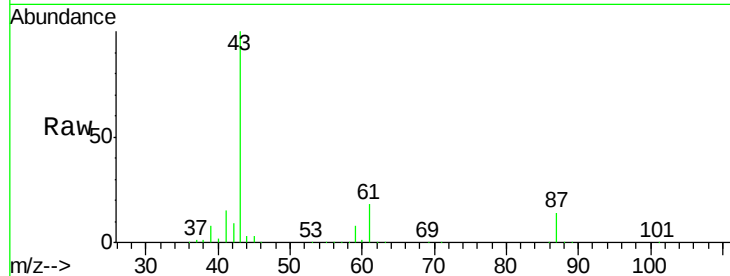
Isopropyl Acetate
 Concen: 49.15 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001284.D
 Acq: 01 May 2018 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.0	22.4
87	13.3	10.2	15.4

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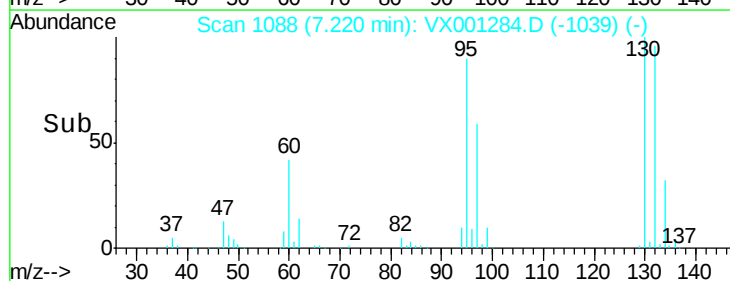
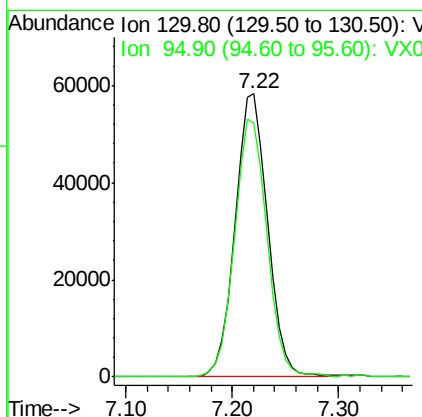
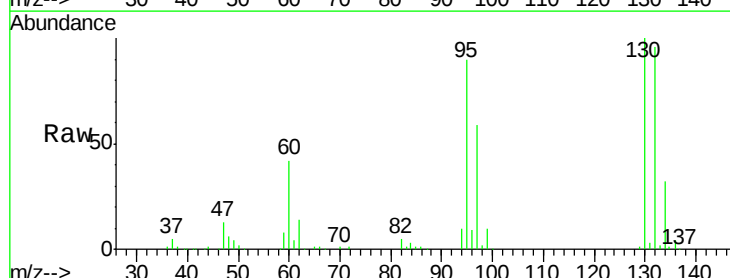
MMDadoda
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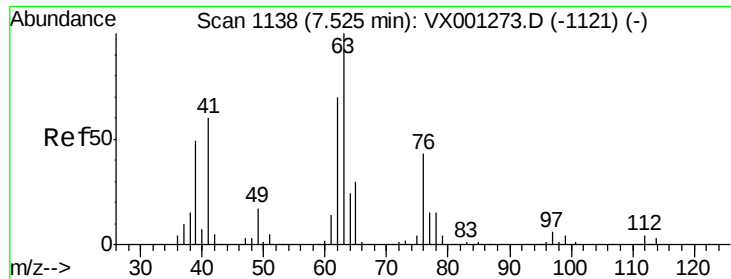


#44

Trichloroethene
 Concen: 46.85 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001284.D
 Acq: 01 May 2018 17:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	176.0





#45

1,2-Dichloropropane

Concen: 46.51 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 104018

Ion Ratio Lower Upper

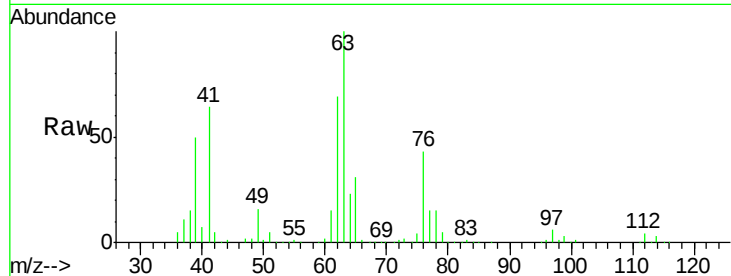
63 100

65 30.6 24.2 36.4

Manual Integrations
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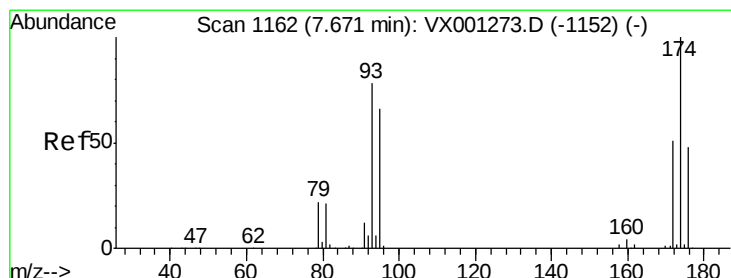
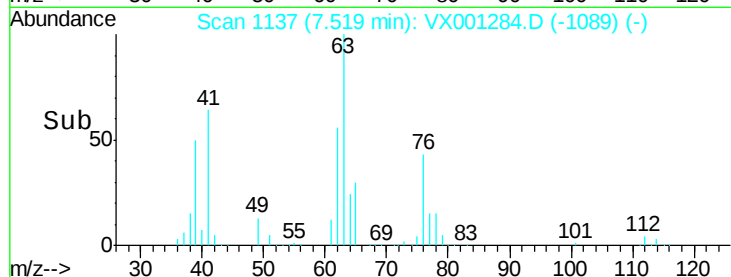
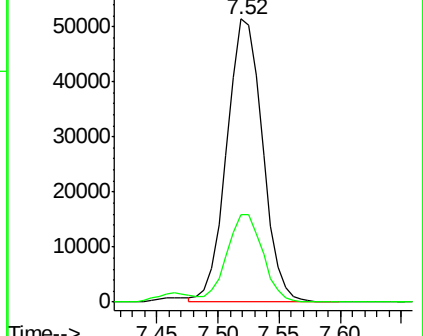
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 47.21 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

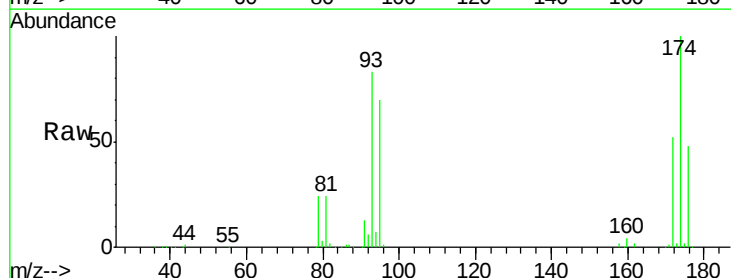
Tgt Ion: 93 Resp: 74009

Ion Ratio Lower Upper

93 100

95 83.3 67.0 100.6

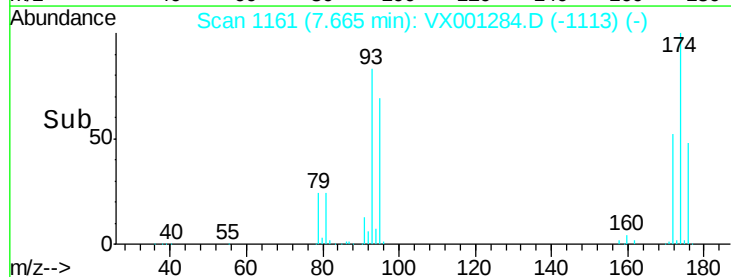
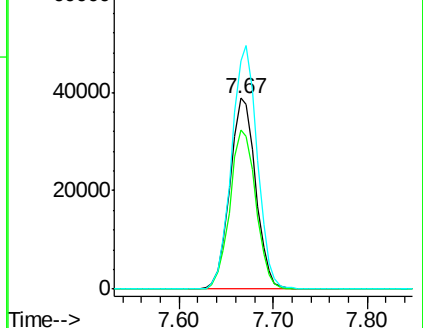
174 127.0 102.3 153.5

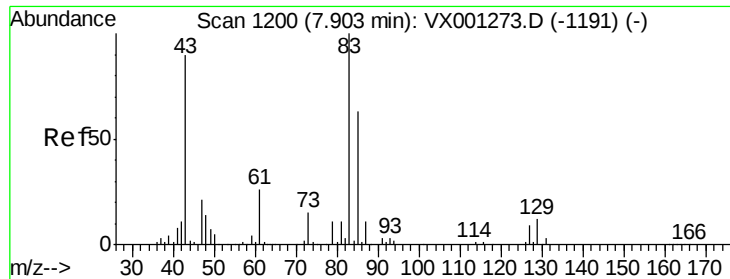


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.79 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

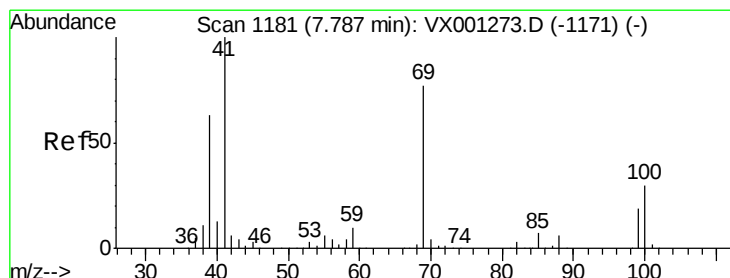
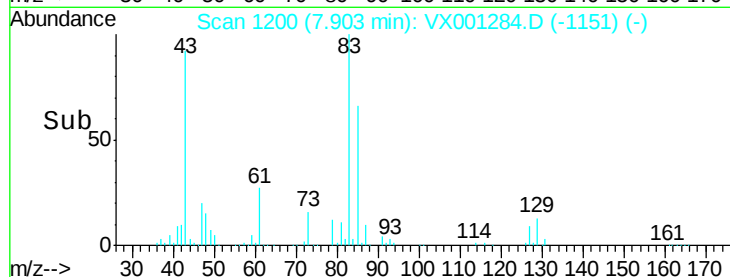
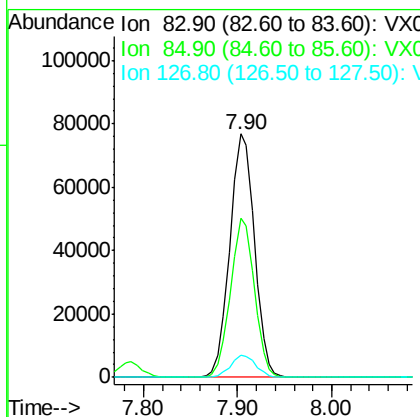
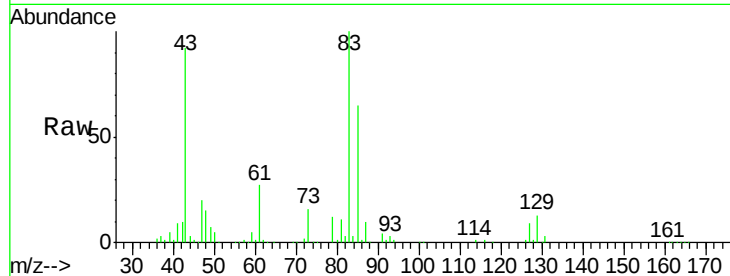
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	139549
Ion Ratio	Lower	Upper	
83	100		
85	65.4	50.3	75.5
127	9.2	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.01 ug/l

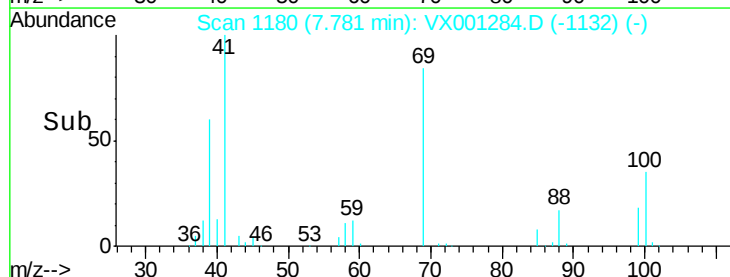
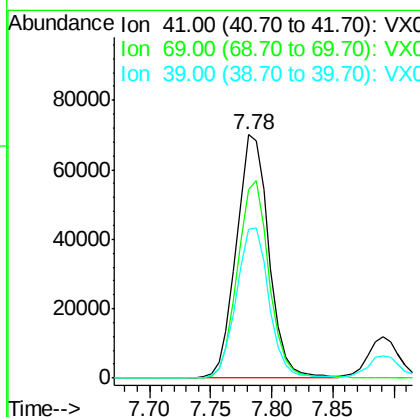
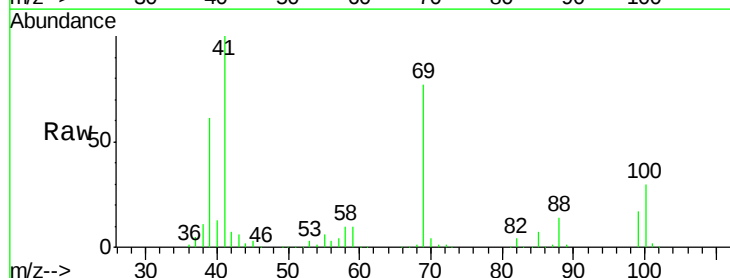
RT: 7.78 min Scan# 1180

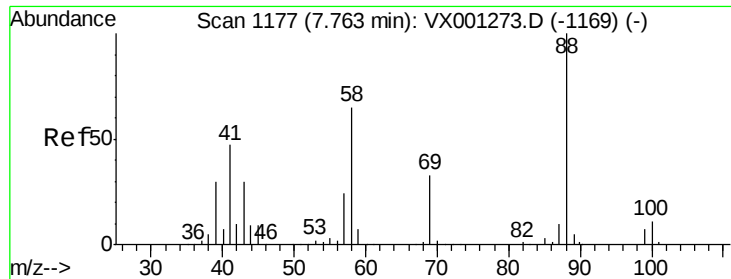
Delta R.T. -0.01 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Tgt Ion:	41	Resp:	128939
Ion Ratio	Lower	Upper	
41	100		
69	79.4	63.0	94.6
39	61.8	50.2	75.4





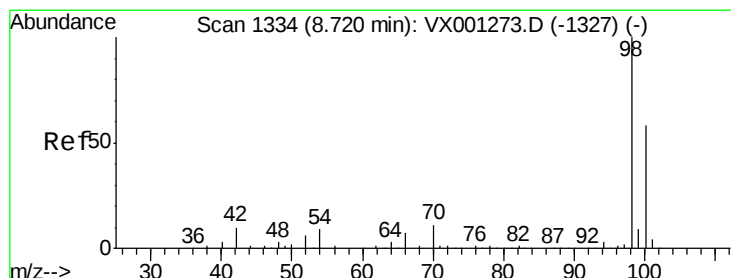
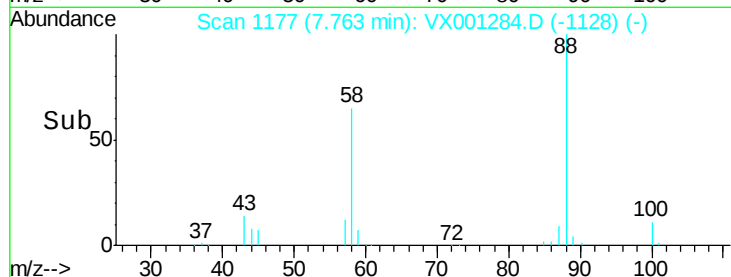
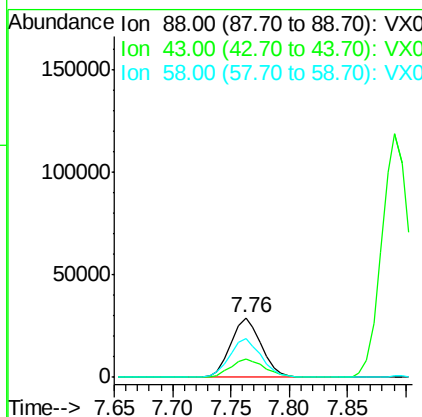
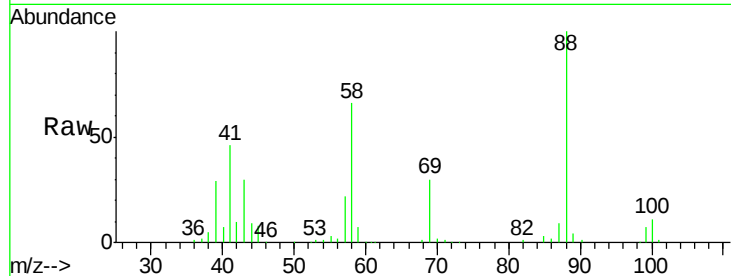
#49
1,4-Dioxane
Concen: 1069.80 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	27.9	41.9
58	68.3	54.2	81.2

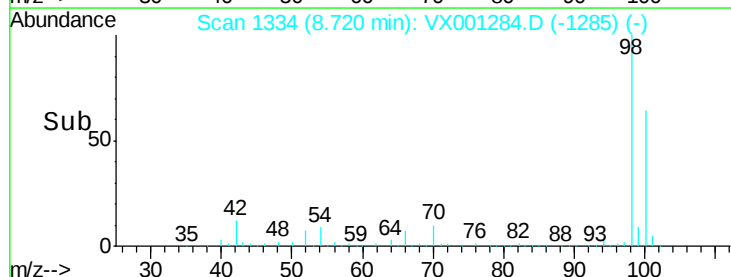
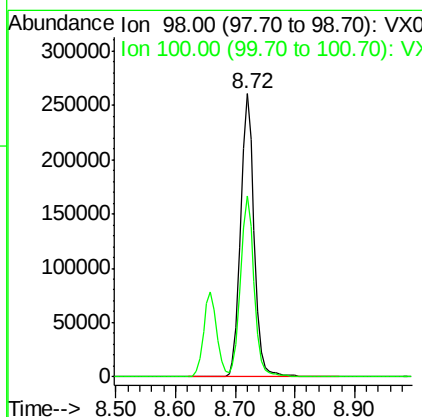
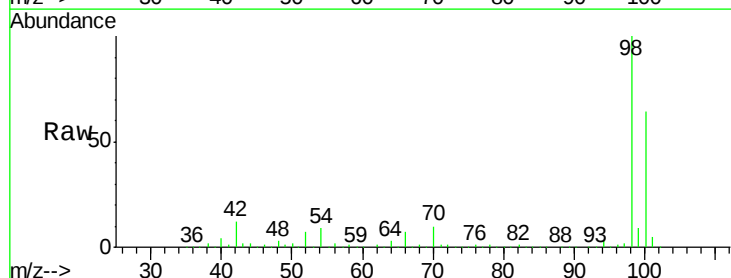
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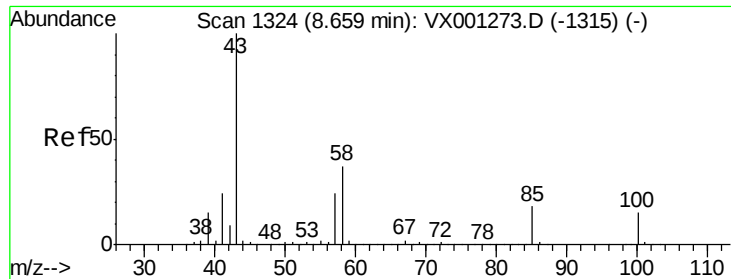
MMDadoda
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#50
Toluene-d8
Concen: 51.07 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 253.11 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 807553

Ion Ratio Lower Upper

43 100

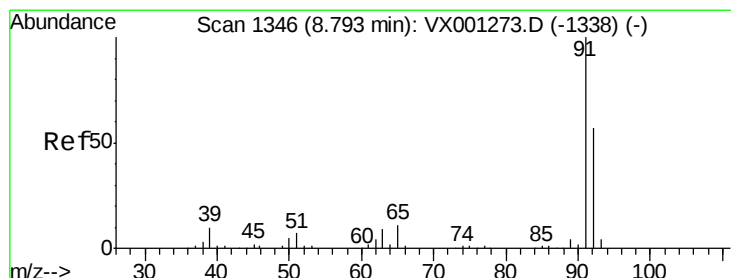
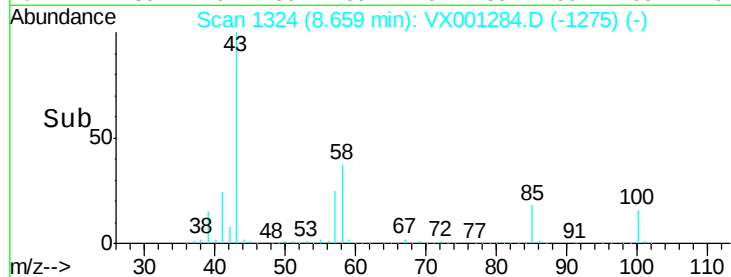
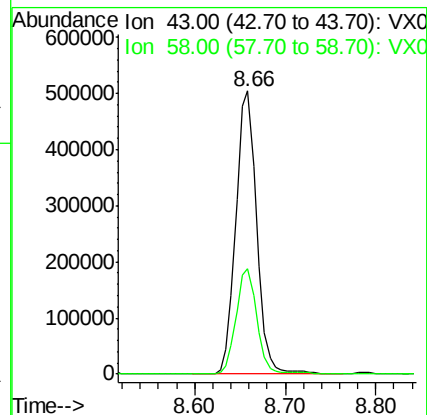
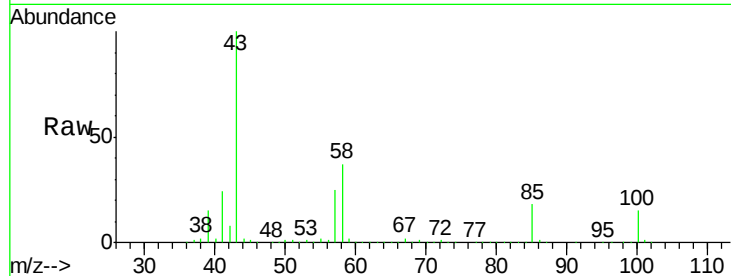
58 37.0 29.0 43.6

Manual Integrations

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#52

Toluene

Concen: 48.03 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001284.D

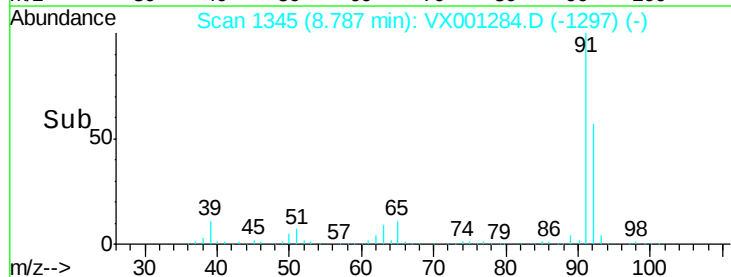
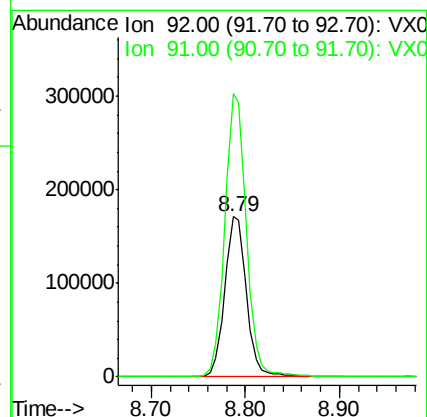
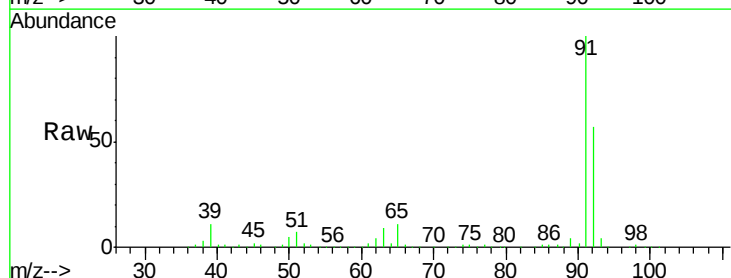
Acq: 01 May 2018 17:55

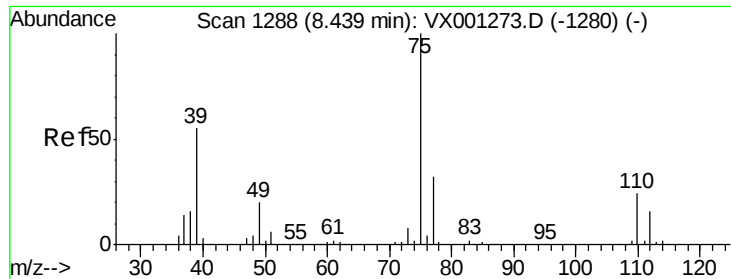
Tgt Ion: 92 Resp: 273394

Ion Ratio Lower Upper

92 100

91 175.6 139.0 208.6





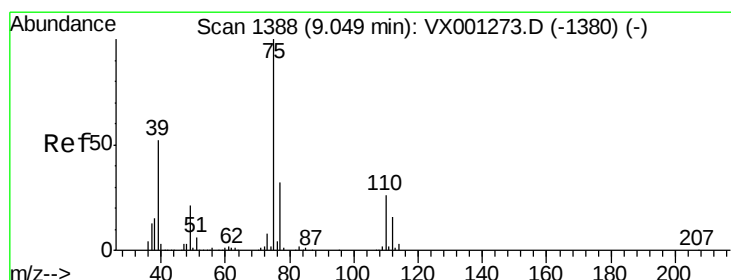
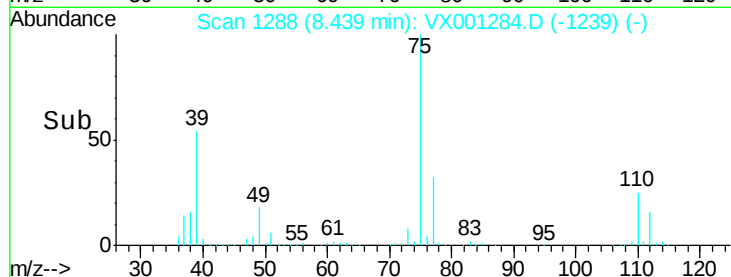
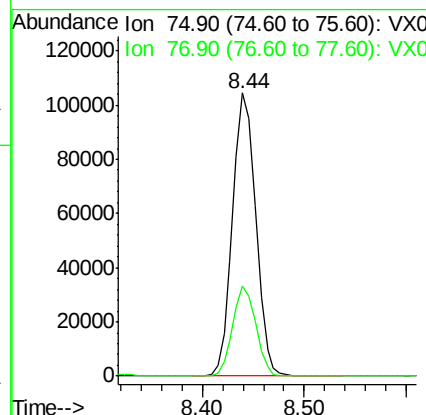
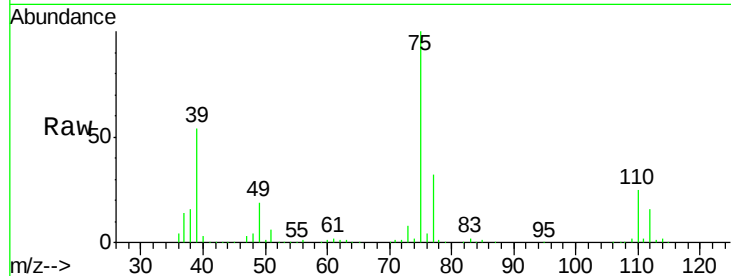
#53
t-1,3-Dichloropropene
Concen: 49.45 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	75	Resp	164829
Ion Ratio	Lower	Upper	
75	100		
77	31.9	25.6	38.4

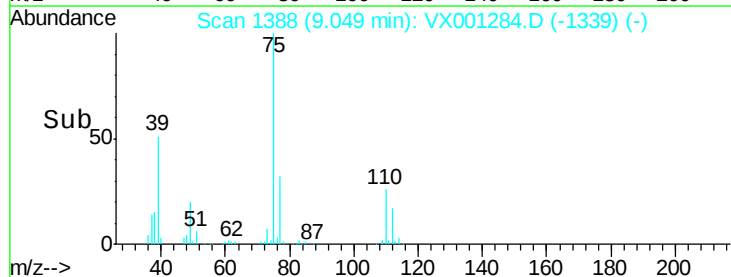
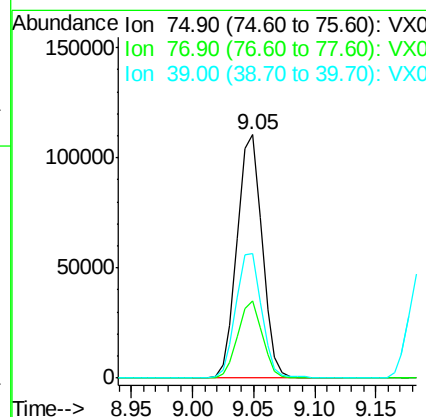
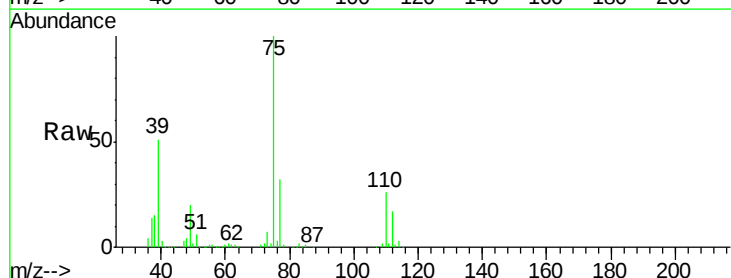
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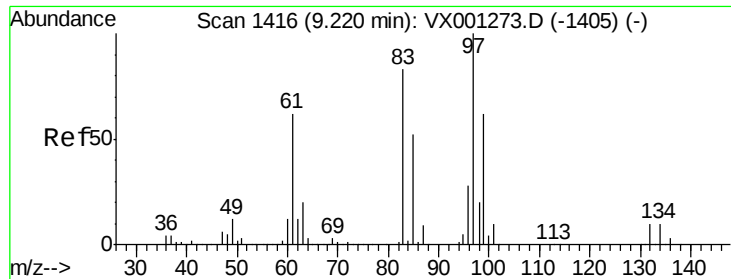
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#54
cis-1,3-Dichloropropene
Concen: 50.92 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion	75	Resp	156149
Ion Ratio	Lower	Upper	
75	100		
77	31.7	25.5	38.3
39	51.0	41.9	62.9





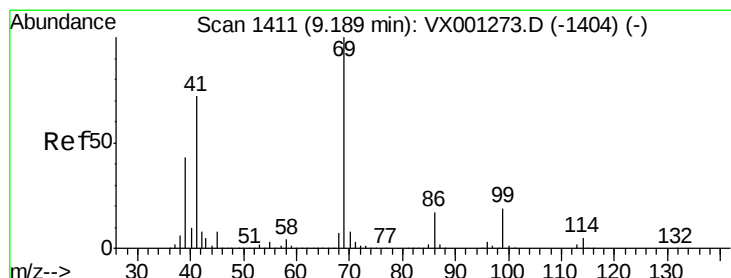
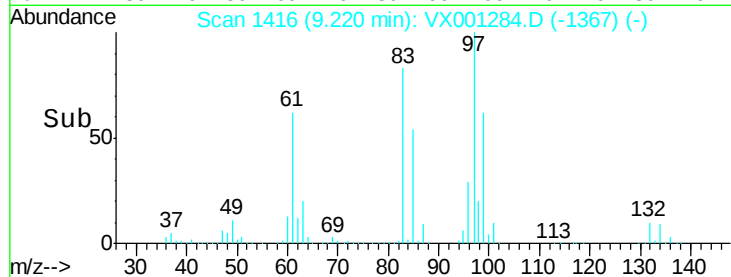
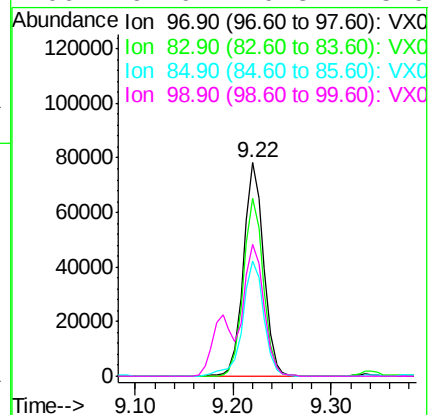
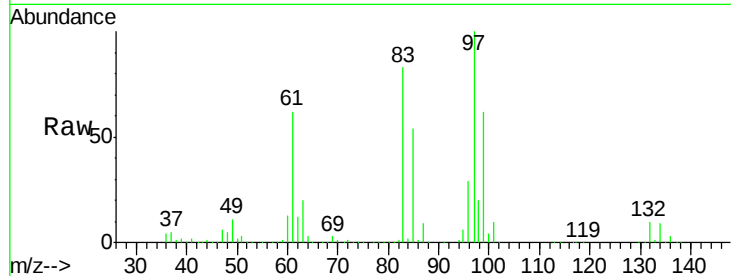
#55
 1,1,2-Trichloroethane
 Concen: 48.60 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001284.D
 Acq: 01 May 2018 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	111768
Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.4	99.6
85	54.0	41.6	62.4
99	61.9	49.3	73.9

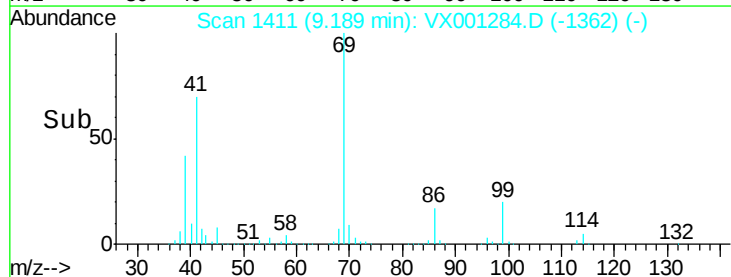
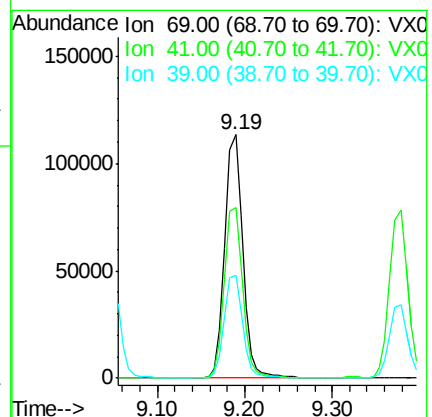
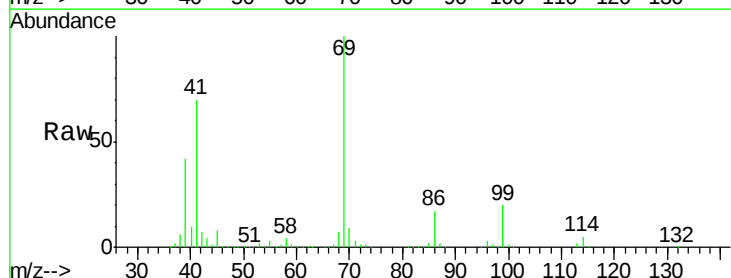
Manual Integrations
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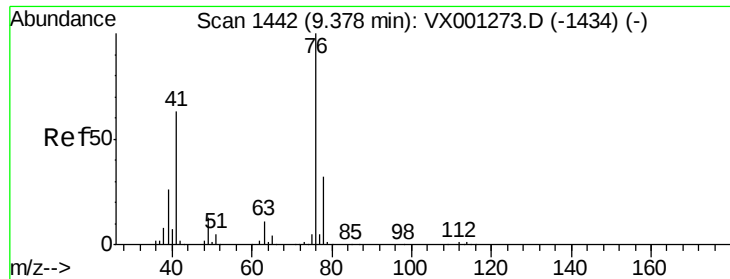
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#56
 Ethyl methacrylate
 Concen: 50.90 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001284.D
 Acq: 01 May 2018 17:55

Tgt Ion:	69	Resp:	162189
Ion	Ratio	Lower	Upper
69	100		
41	71.1	57.2	85.8
39	43.4	34.3	51.5





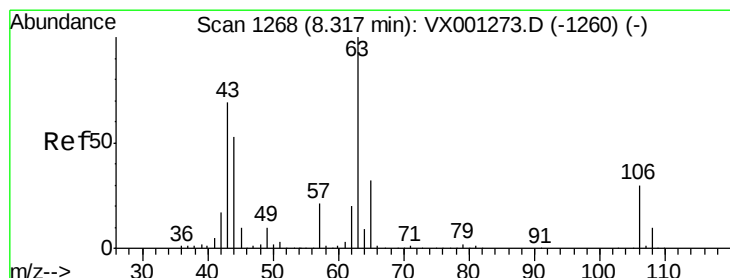
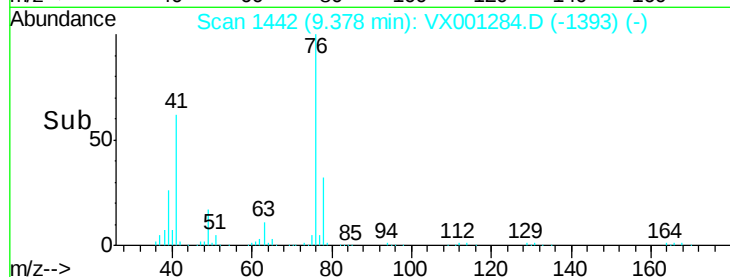
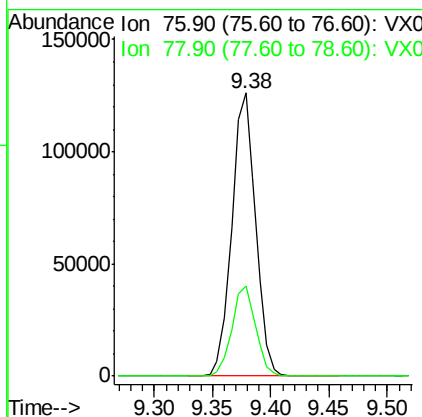
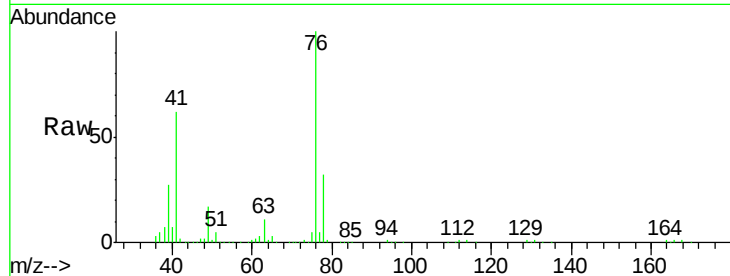
#57
 1,3-Dichloropropane
 Concen: 48.53 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001284.D
 Acq: 01 May 2018 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.6	38.4

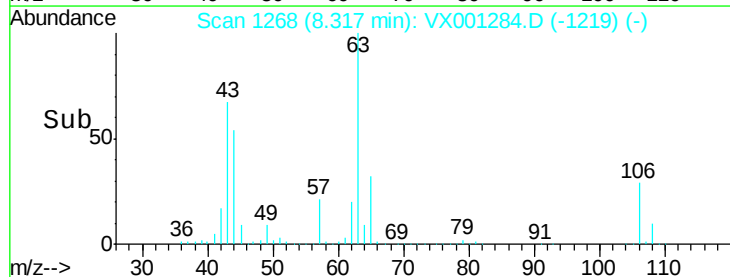
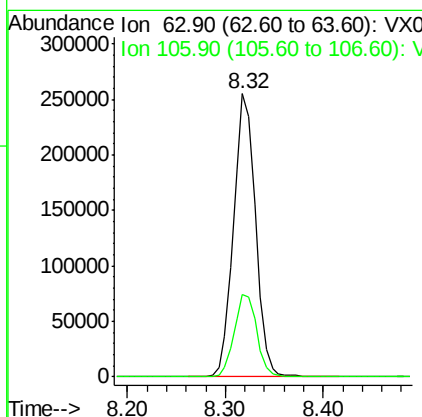
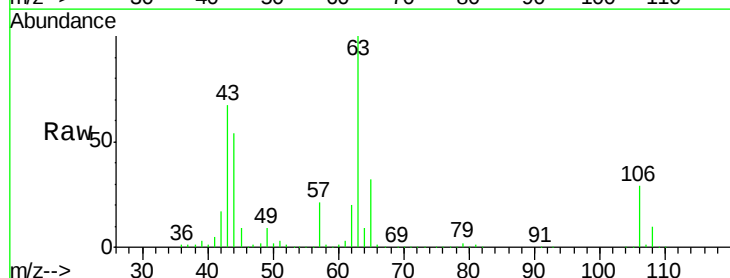
Manual Integrations
 APPROVED

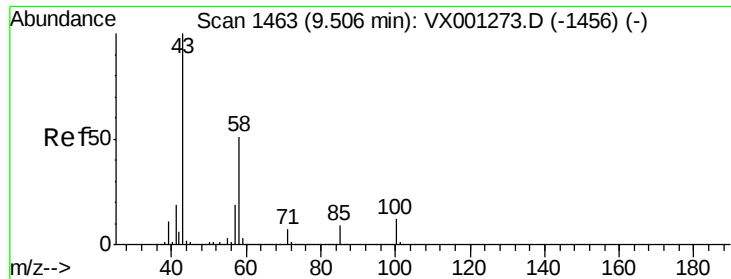
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#58
 2-Chloroethyl Vinyl ether
 Concen: 259.03 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX001284.D
 Acq: 01 May 2018 17:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	23.8	35.6





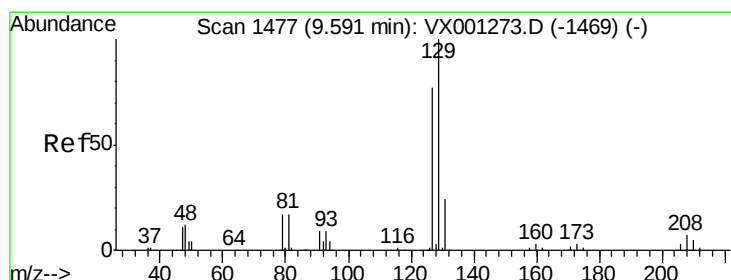
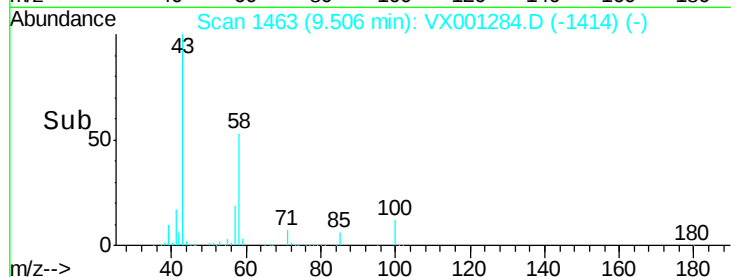
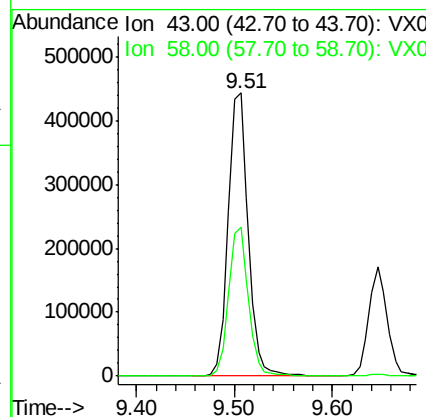
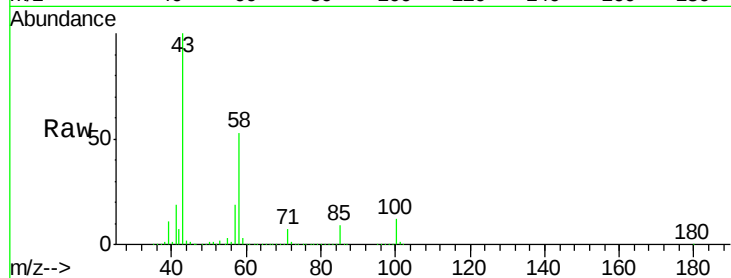
#59
2-Hexanone
Concen: 252.71 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 630180
Ion Ratio Lower Upper
43 100
58 52.1 25.7 77.0

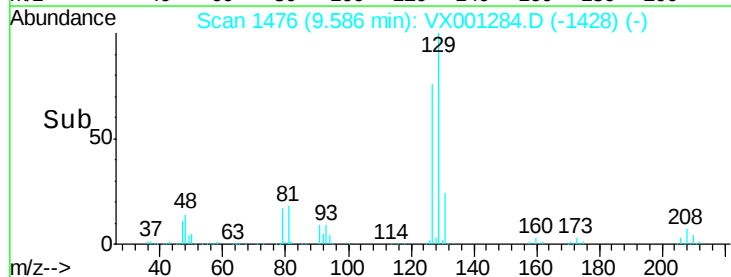
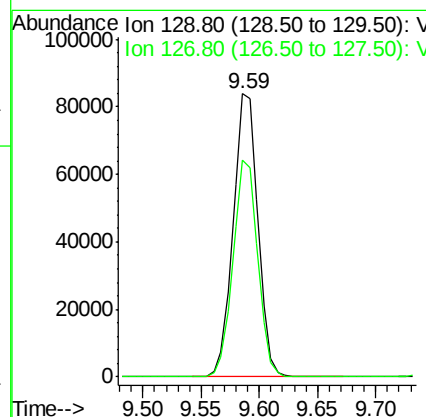
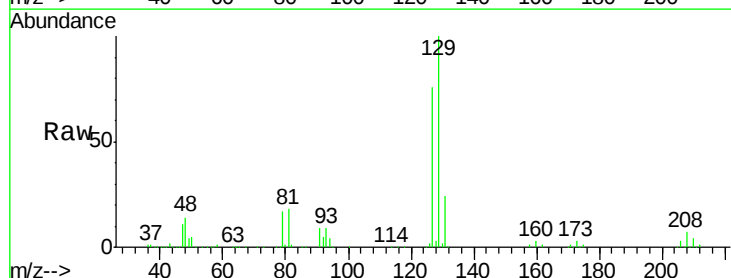
Manual Integrations
APPROVED

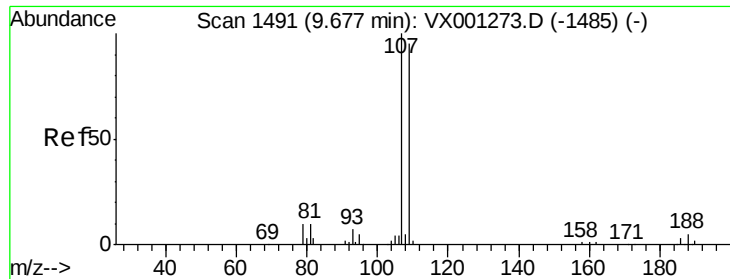
MMDadoda
5/2/2018 4:20:56 PM



#60
Dibromochloromethane
Concen: 51.65 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion: 129 Resp: 123884
Ion Ratio Lower Upper
129 100
127 76.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 49.25 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 120032

Ion Ratio Lower Upper

107 100

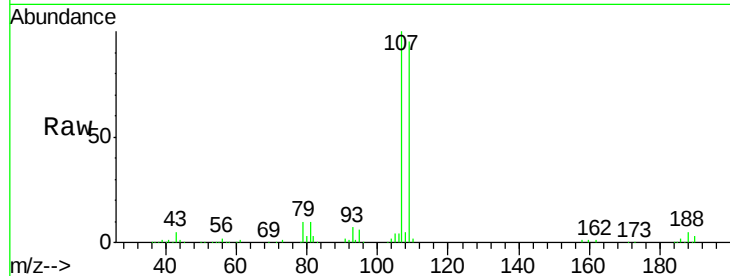
109 95.4 75.4 113.2

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

80000

60000

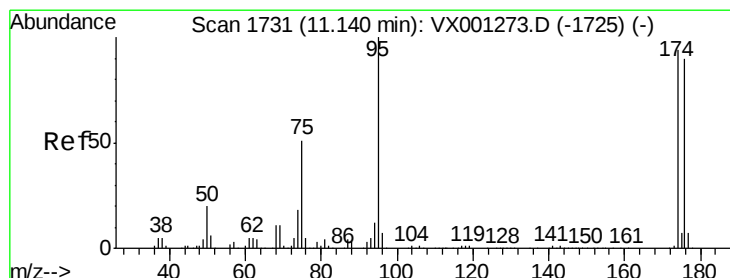
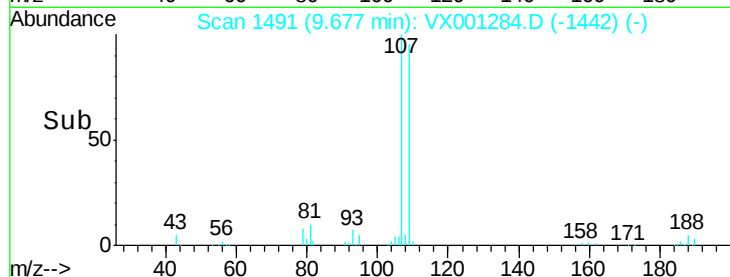
40000

20000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 49.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

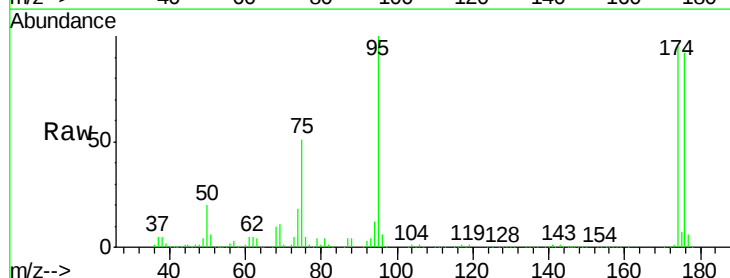
Tgt Ion: 95 Resp: 161376

Ion Ratio Lower Upper

95 100

174 101.0 0.0 201.8

176 99.5 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

11.14

150000

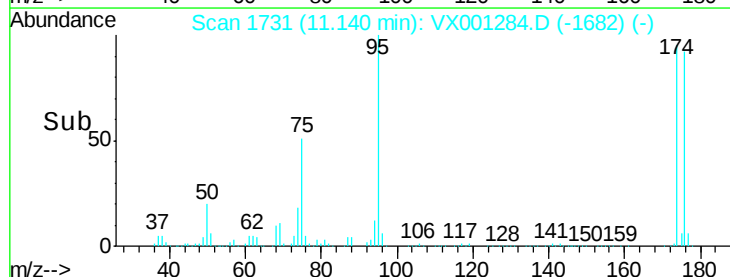
100000

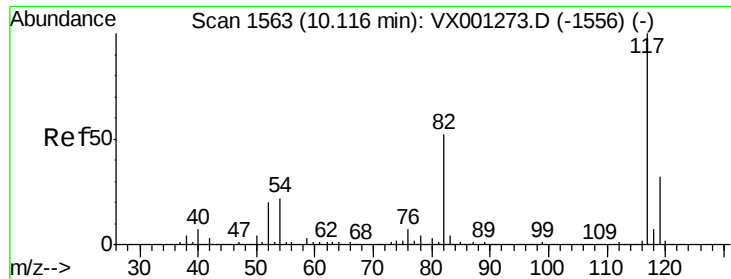
50000

0

Time-->

11.10 11.20





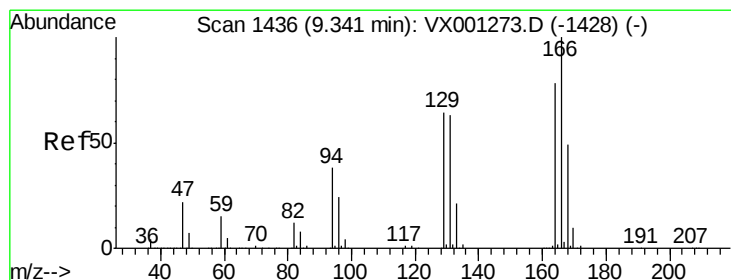
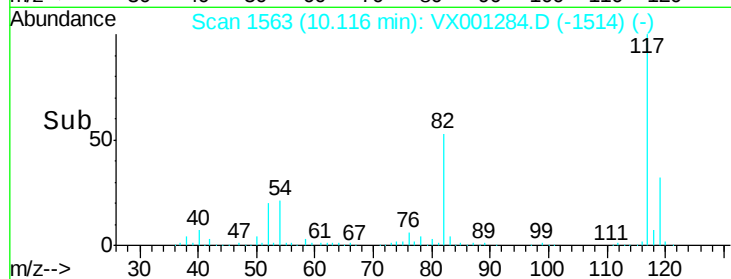
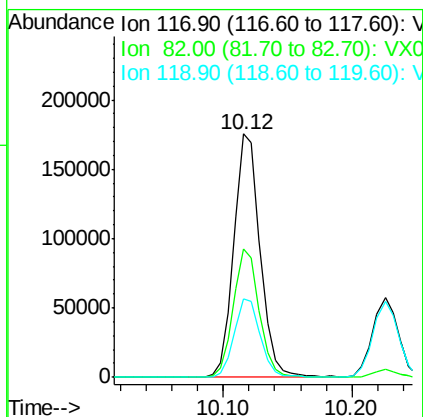
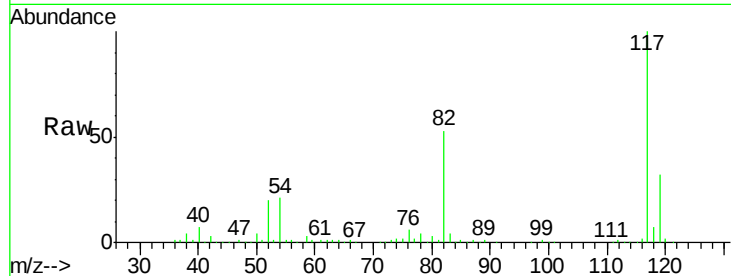
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	250582		
82	52.7		41.4	62.0
119	32.0		25.5	38.3

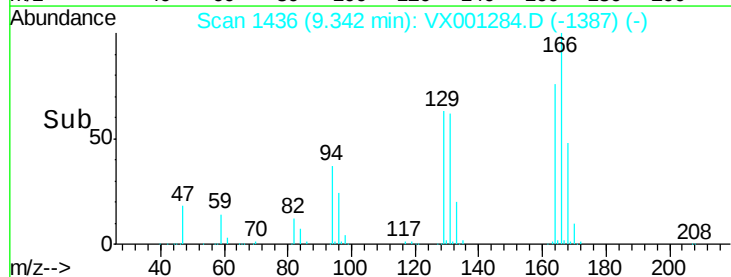
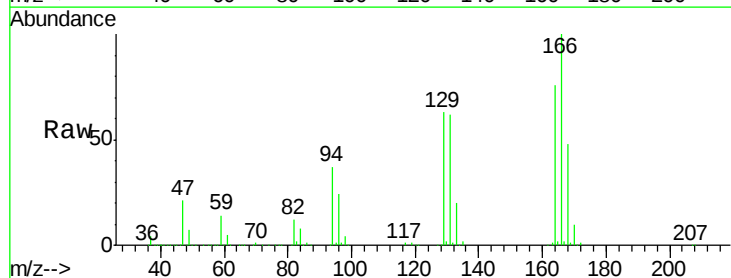
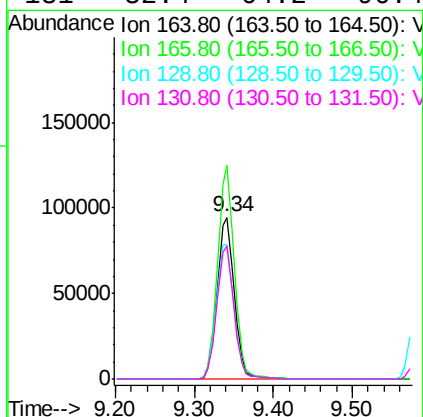
Manual Integrations
APPROVED

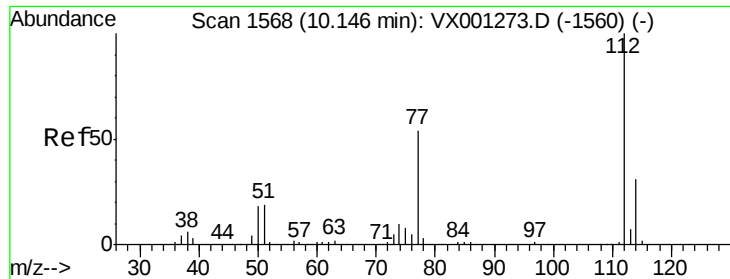
MMDadoda
5/2/2018 4:20:56 PM



#64
Tetrachloroethene
Concen: 48.46 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	143868		
166	132.4		102.3	153.5
129	83.5		65.1	97.7
131	82.4		64.2	96.4





#65

Chlorobenzene

Concen: 47.70 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 325084

Ion Ratio Lower Upper

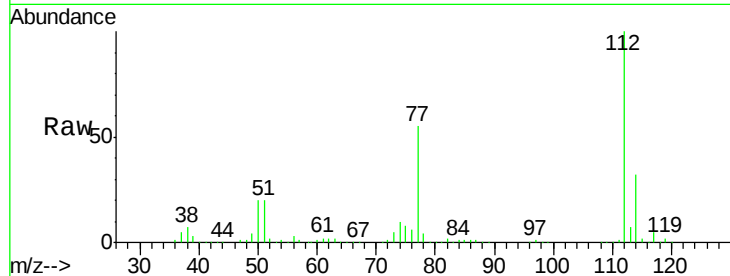
112 100

114 31.9 24.8 37.2

Manual Integrations
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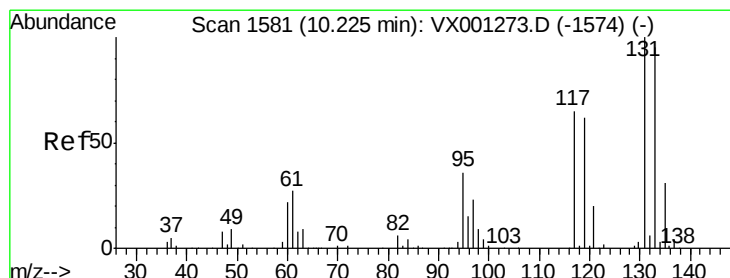
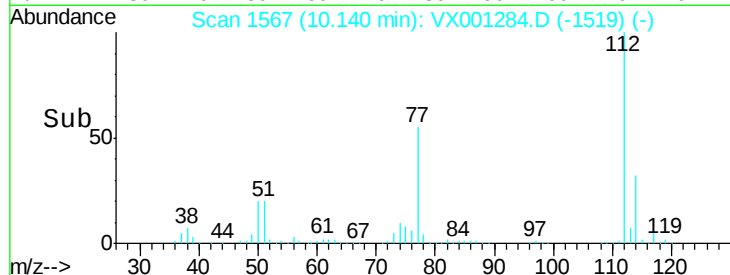
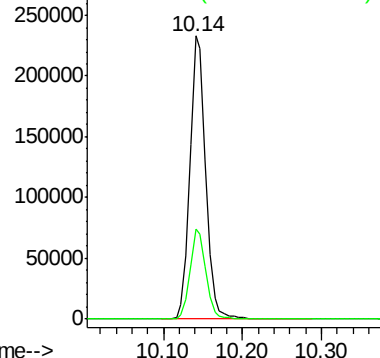
MMDadoda

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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: 50.26 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

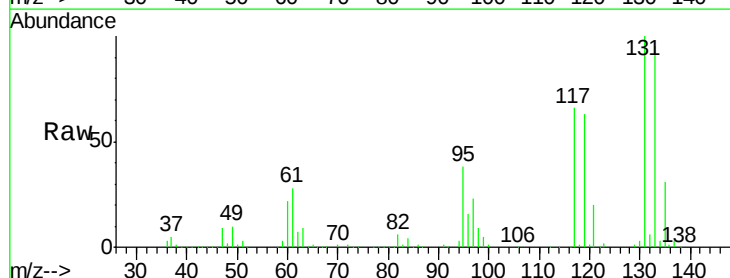
Tgt Ion:131 Resp: 118896

Ion Ratio Lower Upper

131 100

133 96.2 48.3 144.9

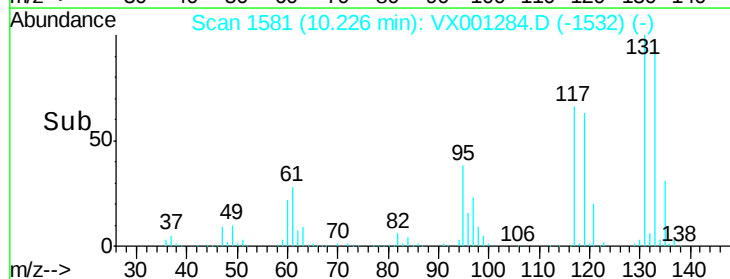
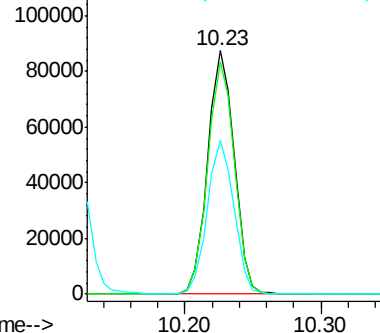
119 63.3 31.2 93.6

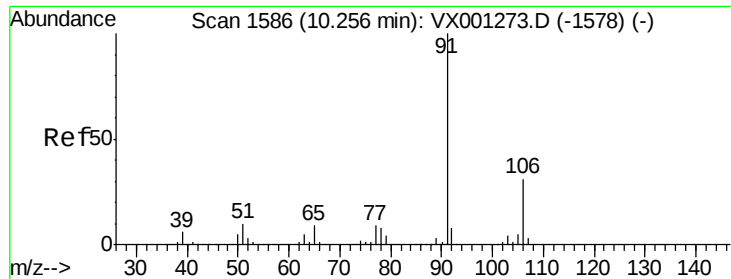


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





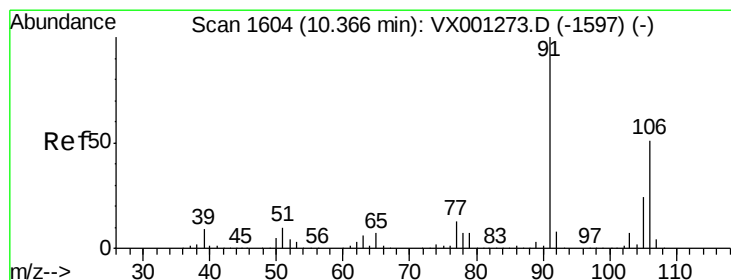
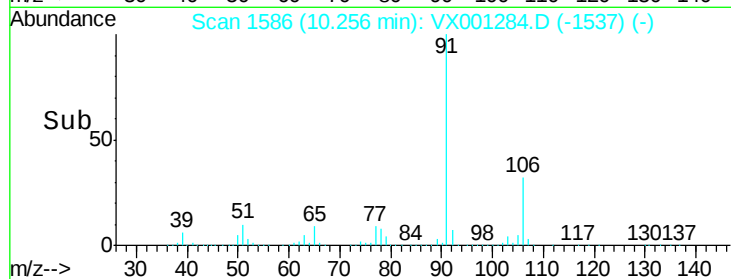
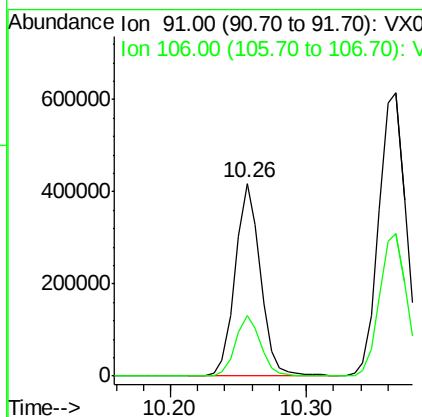
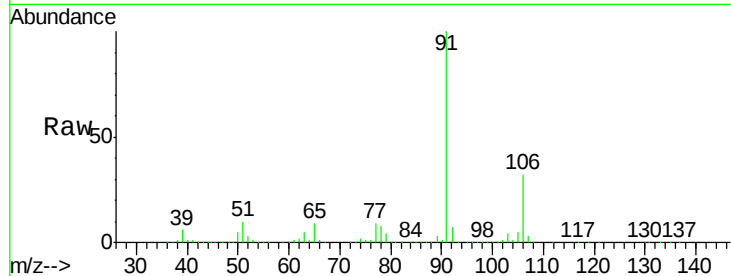
#67
Ethyl Benzene
Concen: 48.25 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 541899
Ion Ratio Lower Upper
91 100
106 31.7 24.9 37.3

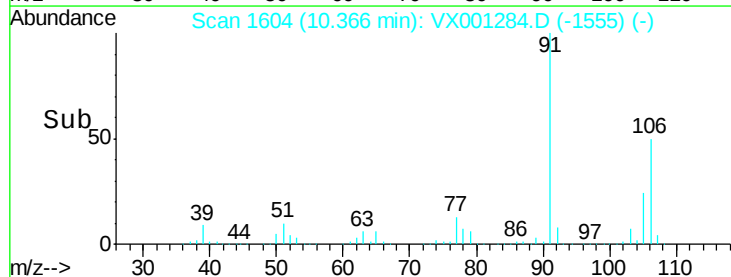
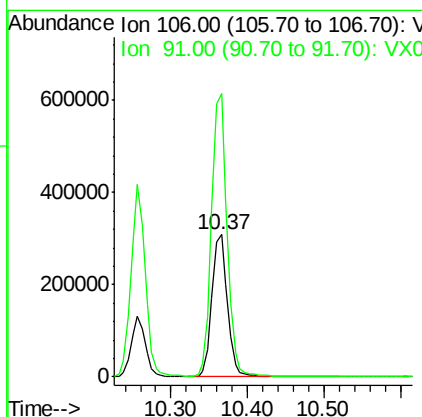
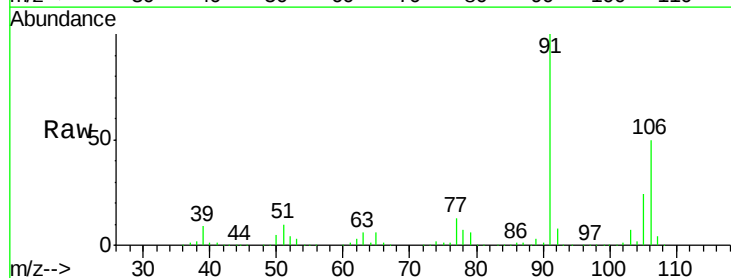
Manual Integrations
APPROVED

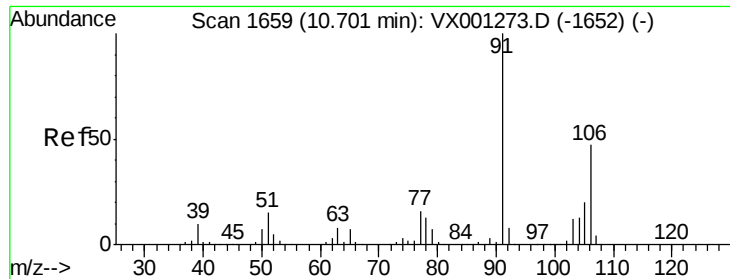
MMDadoda
5/2/2018 4:20:56 PM



#68
m/p-Xylenes
Concen: 99.39 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion: 106 Resp: 439184
Ion Ratio Lower Upper
106 100
91 199.2 159.4 239.2





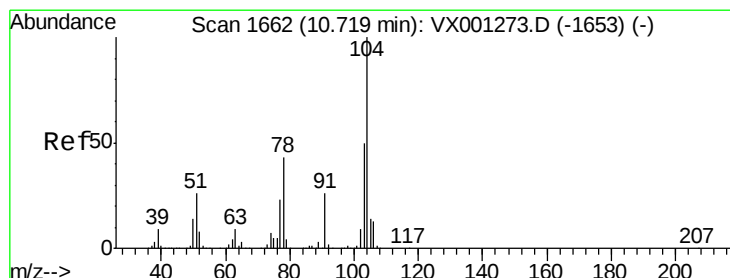
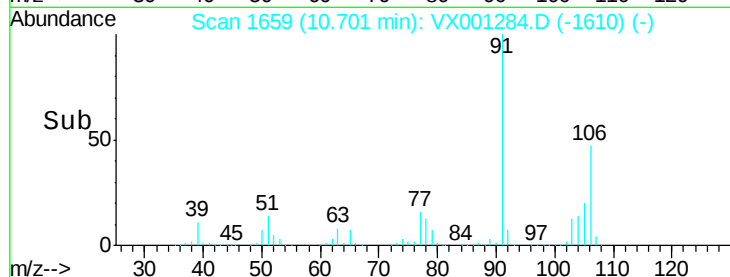
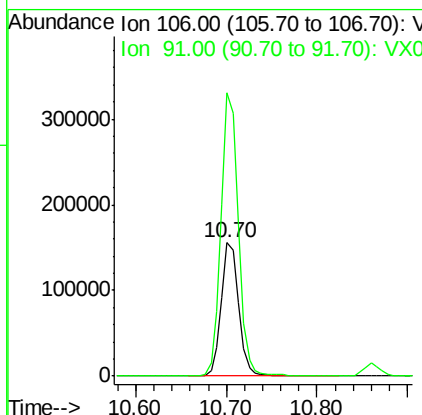
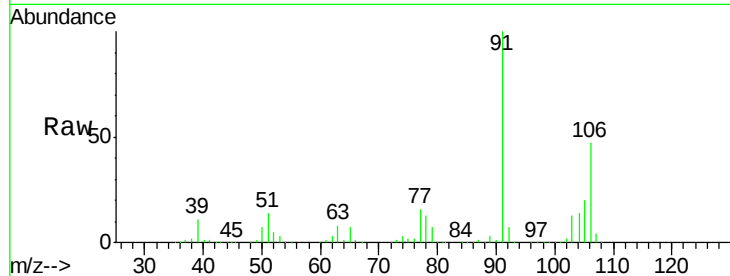
#69
o-Xylene
Concen: 48.98 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		209929		
91	211.7	106.3	319.0		

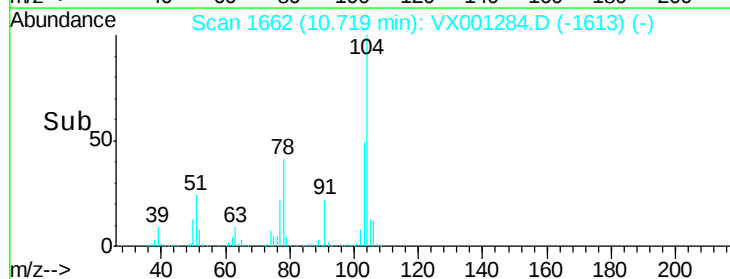
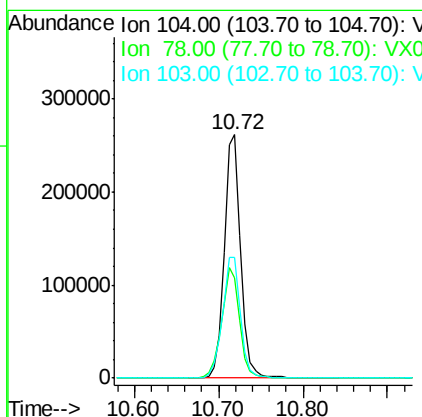
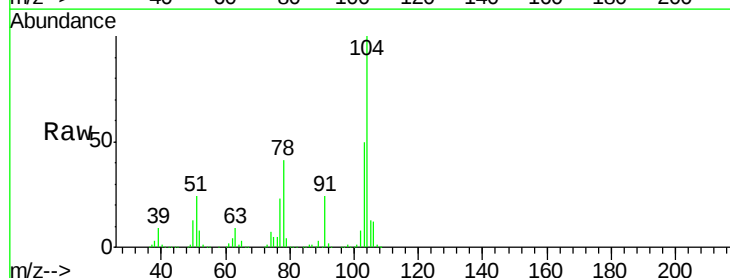
Manual Integrations
APPROVED

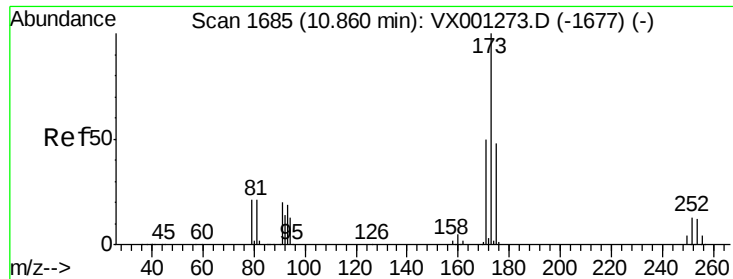
MMDadoda
5/2/2018 4:20:56 PM



#70
Styrene
Concen: 49.97 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		350251		
78	49.6	40.1	60.1		
103	55.5	44.5	66.7		





#71

Bromoform

Concen: 45.49 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 103070

Ion Ratio Lower Upper

173 100

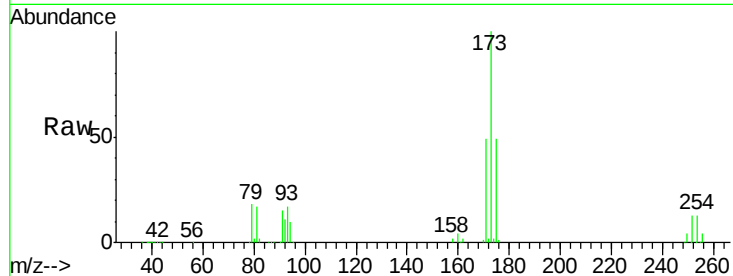
175 48.7 24.6 74.0

254 0.2 0.2 0.2

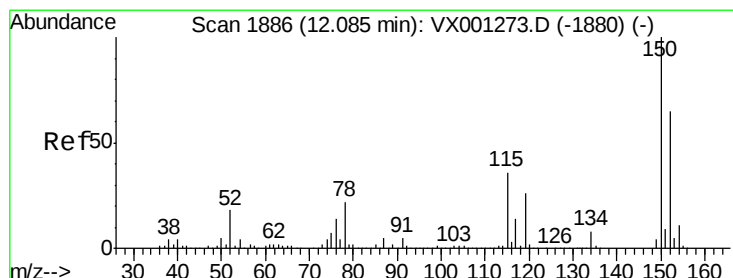
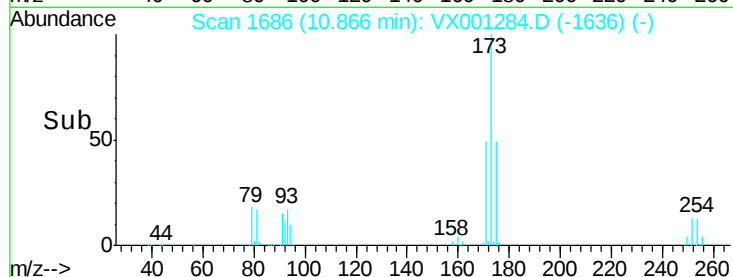
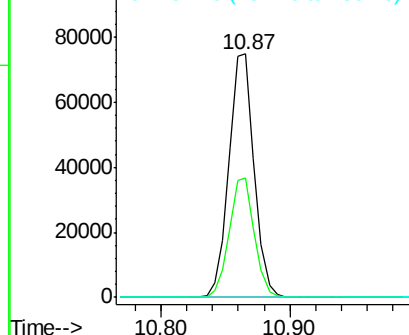
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

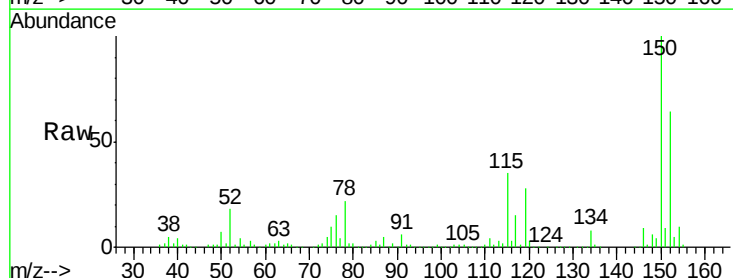
Tgt Ion:152 Resp: 178646

Ion Ratio Lower Upper

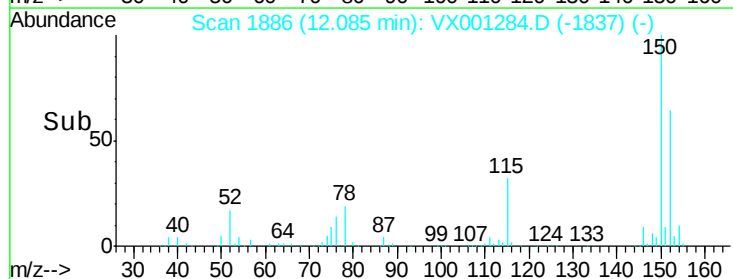
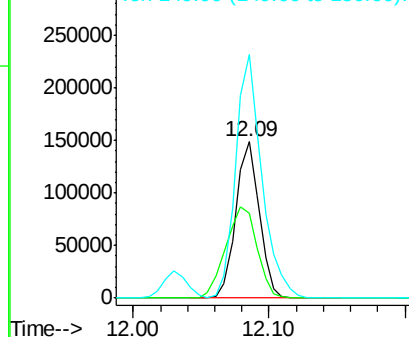
152 100

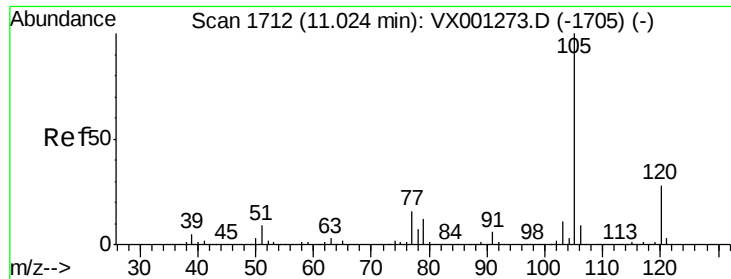
115 78.0 38.6 115.7

150 174.1 0.0 349.2



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





#73

Isopropylbenzene

Concen: 48.32 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 577519

Ion Ratio Lower Upper

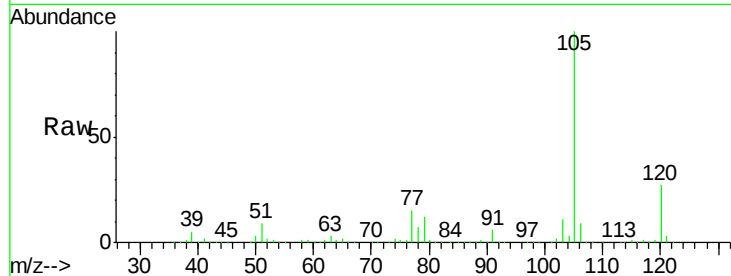
105 100

120 27.1 13.7 41.1

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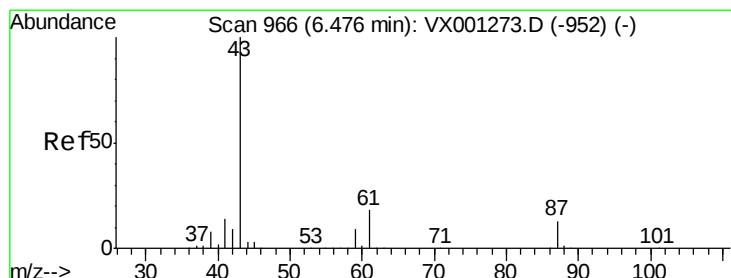
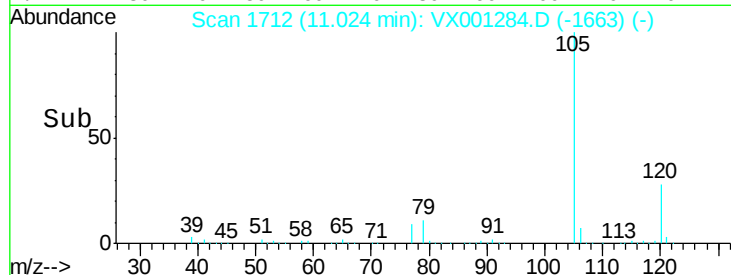
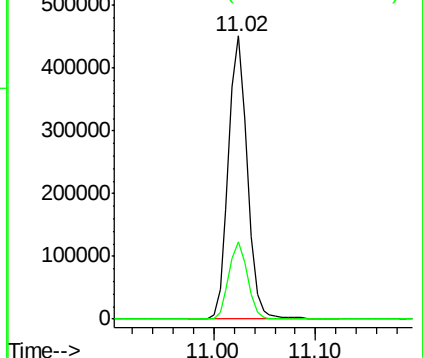
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.44 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Tgt Ion: 43 Resp: 243228

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

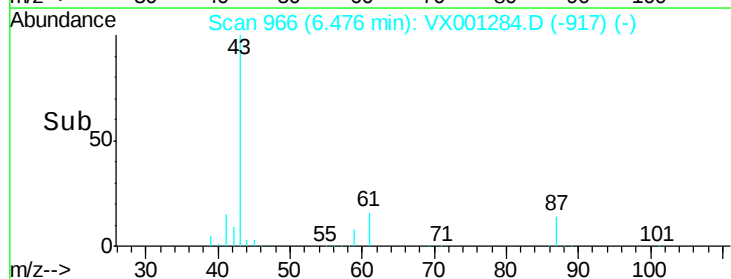
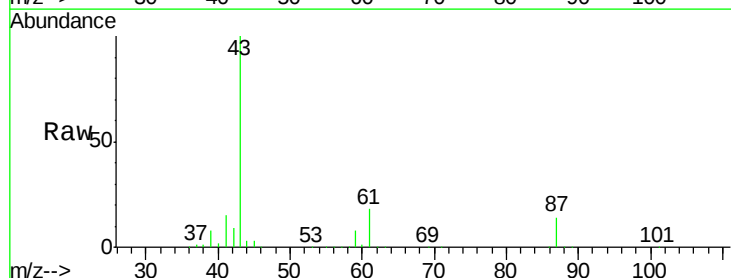
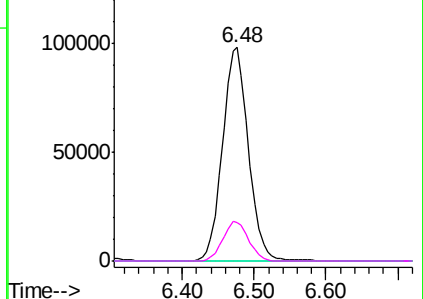
61 18.6 15.0 22.4

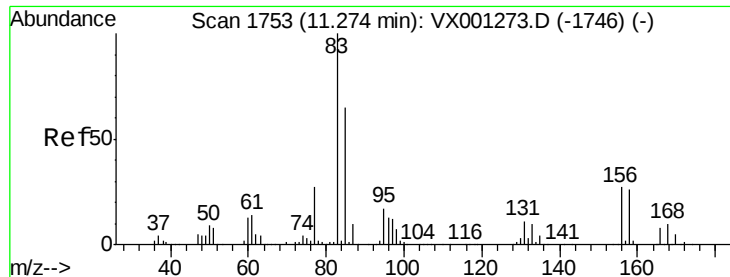
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 47.55 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

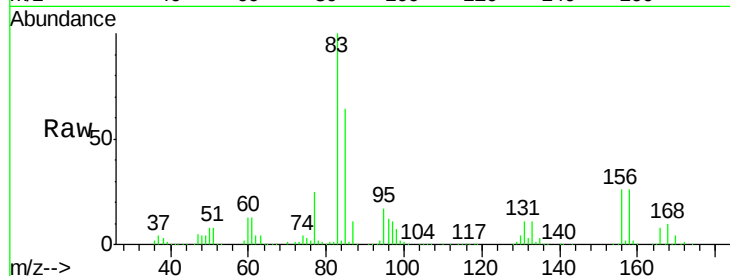
ClientSampleId :

VSTDCCC050

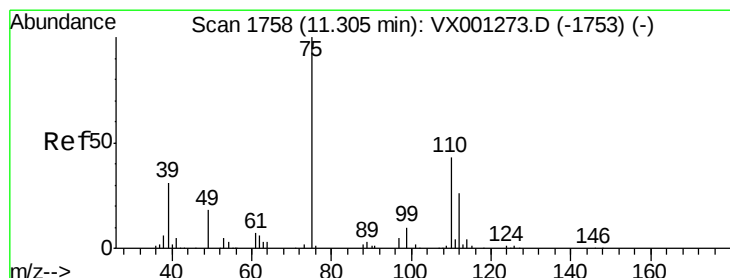
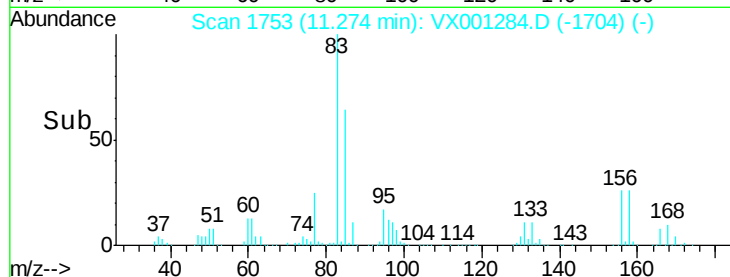
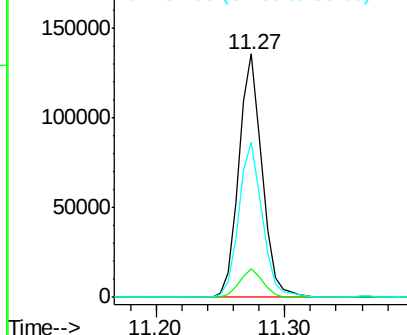
Tot Ion:	83	Resp:	170244
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.3
85	64.3	32.6	97.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 49.66 ug/l m

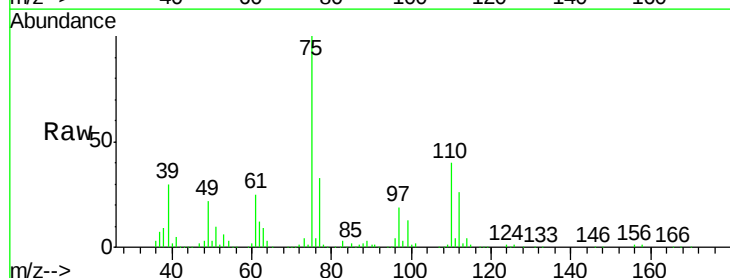
RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

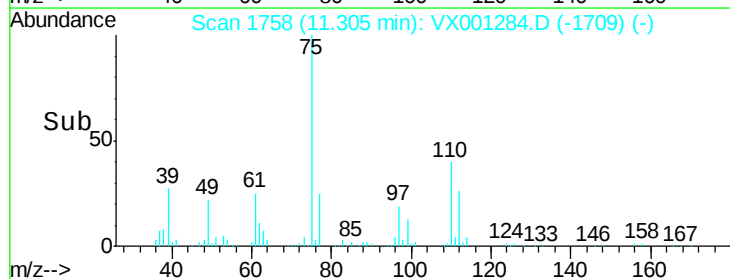
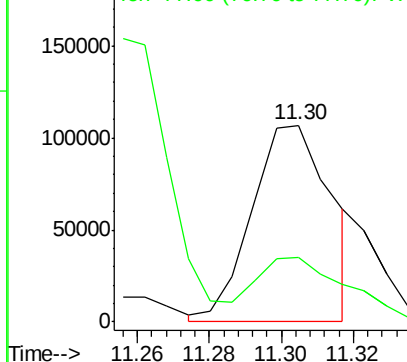
Lab File: VX001284.D

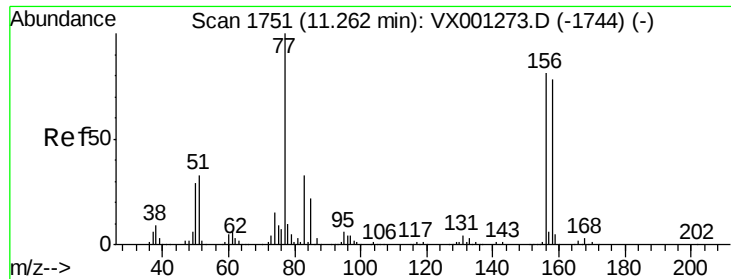
Acq: 01 May 2018 17:55

Tgt Ion:	75	Resp:	164058
Ion Ratio	Lower	Upper	
75	100		
77	37.0	18.9	56.5



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.62 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

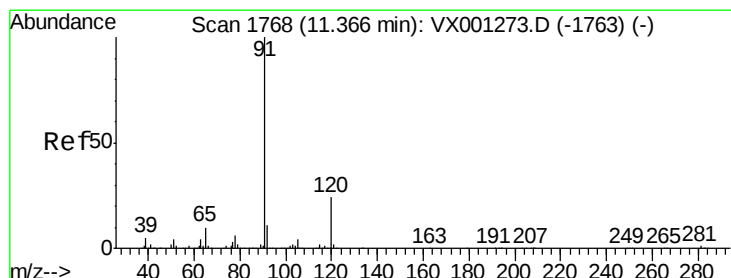
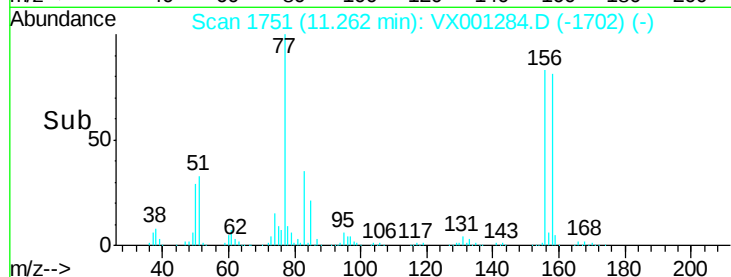
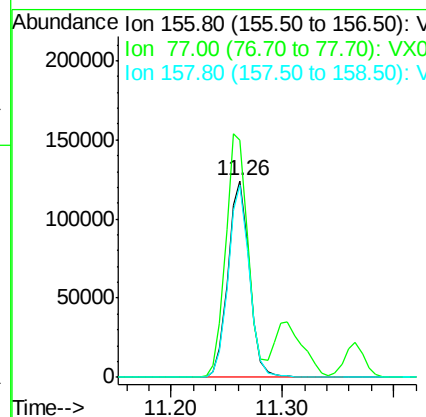
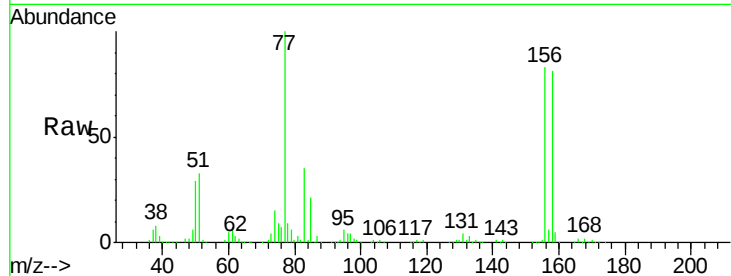
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	164141
Ion Ratio	Lower	Upper	
156	100		
77	130.6	65.3	195.8
158	97.0	48.5	145.5

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#78

n-propylbenzene

Concen: 49.35 ug/l

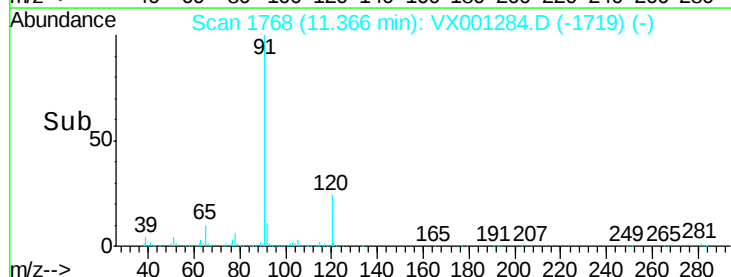
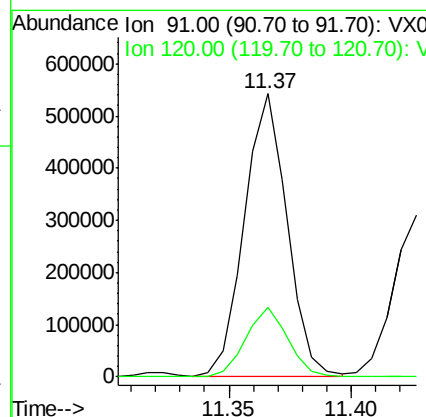
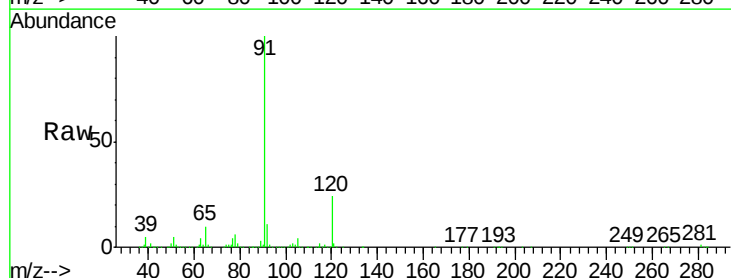
RT: 11.37 min Scan# 1768

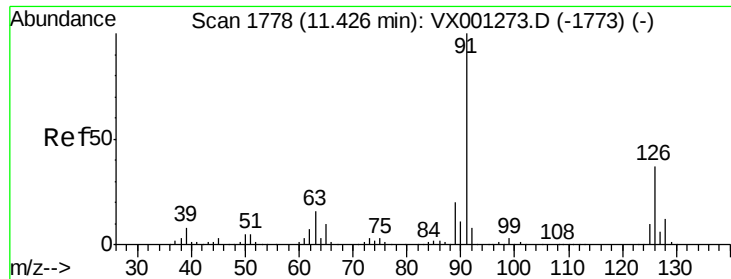
Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Tgt Ion:	91	Resp:	655481
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.3	36.8





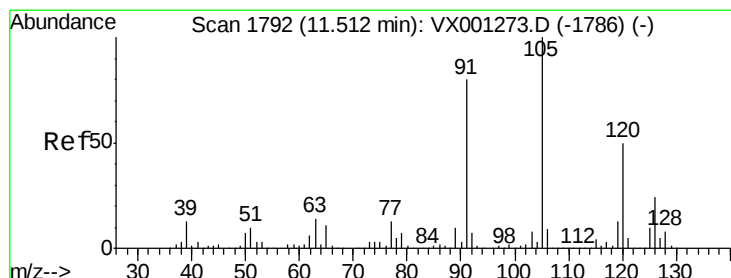
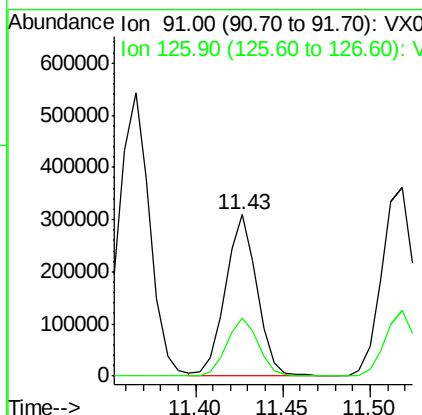
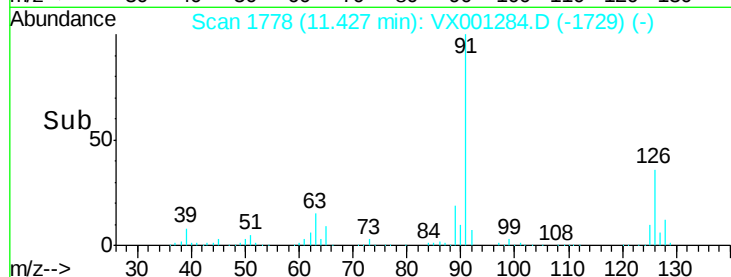
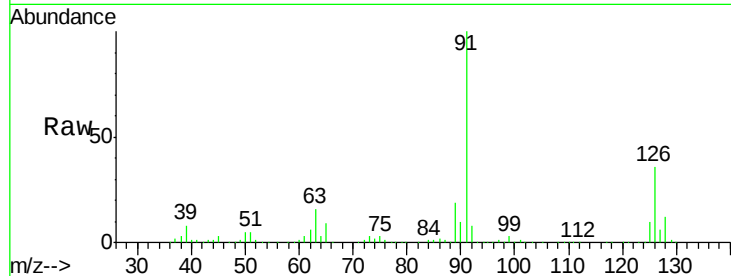
#79
2-Chlorotoluene
Concen: 48.13 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 385703
Ion Ratio Lower Upper
91 100
126 36.7 18.4 55.4

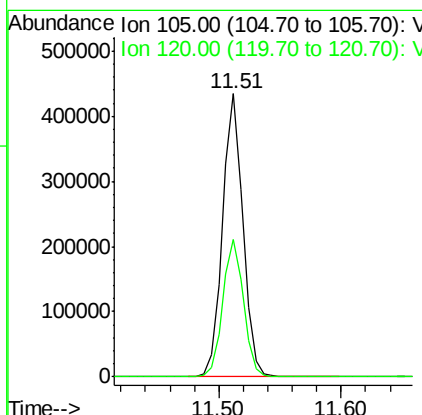
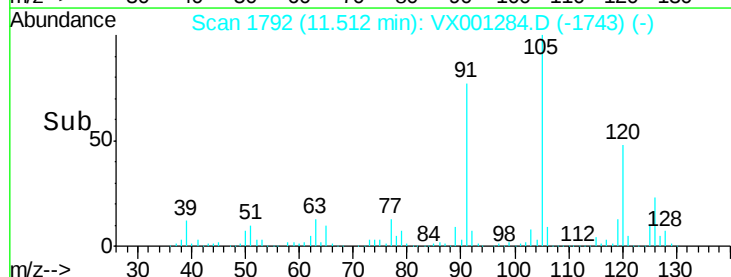
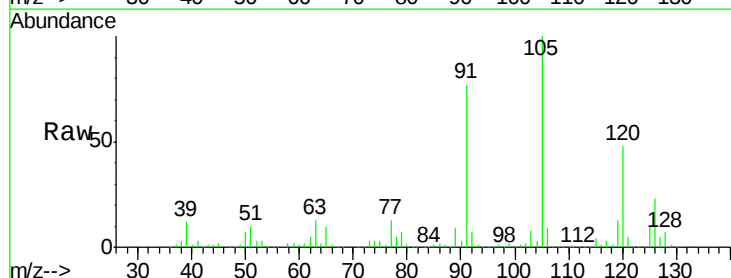
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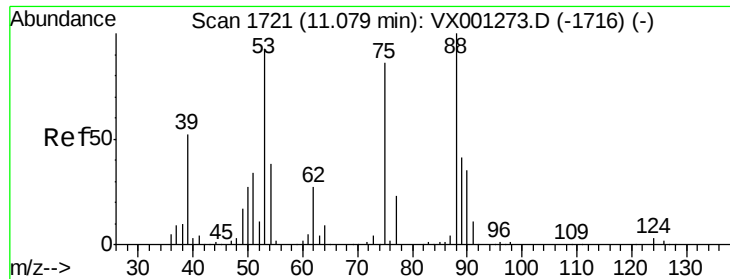
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#80
1,3,5-Trimethylbenzene
Concen: 49.92 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion: 105 Resp: 501025
Ion Ratio Lower Upper
105 100
120 49.3 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 45.38 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 45644

Ion Ratio Lower Upper

75 100

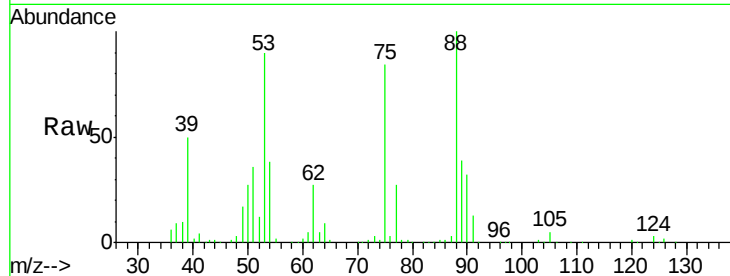
53 109.3 87.1 130.7

89 48.2 38.9 58.3

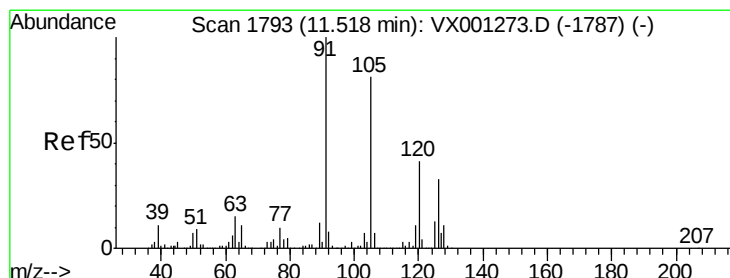
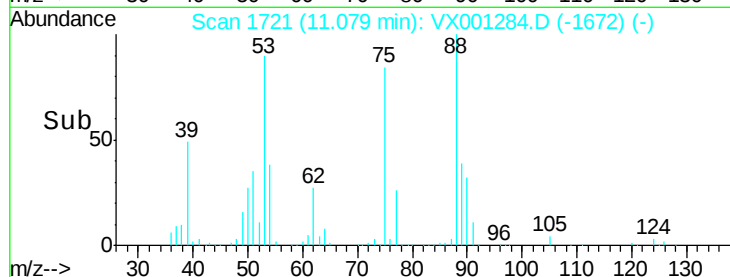
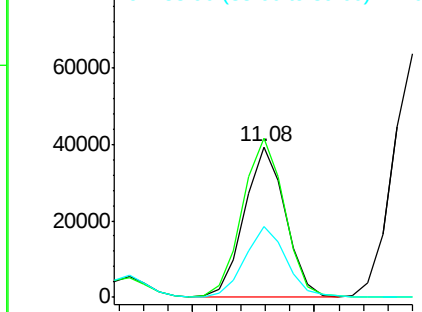
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 48.25 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001284.D

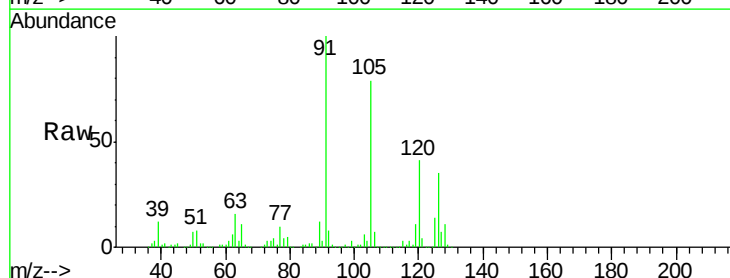
Acq: 01 May 2018 17:55

Tgt Ion: 91 Resp: 465128

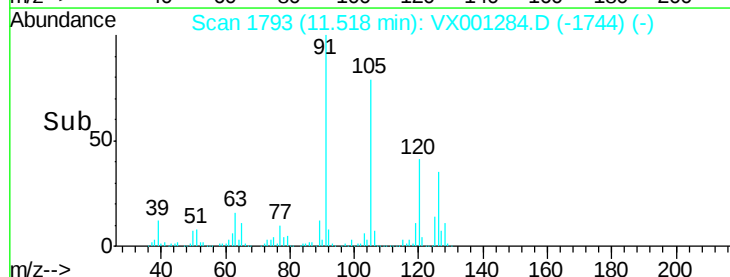
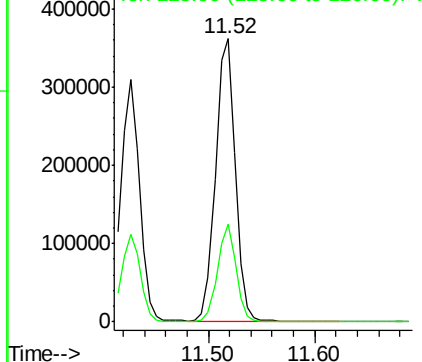
Ion Ratio Lower Upper

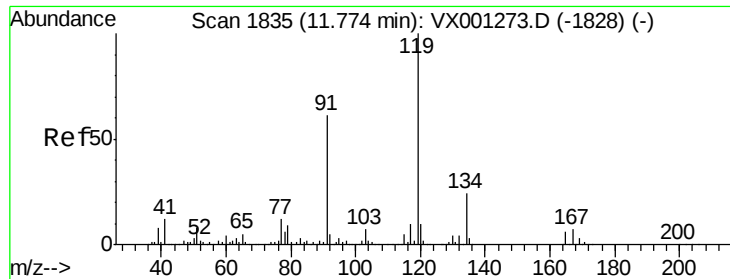
91 100

126 32.6 16.1 48.2



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





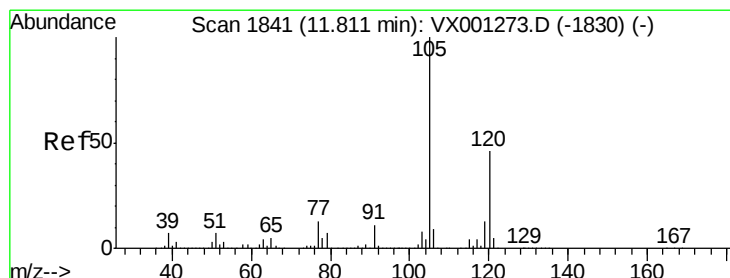
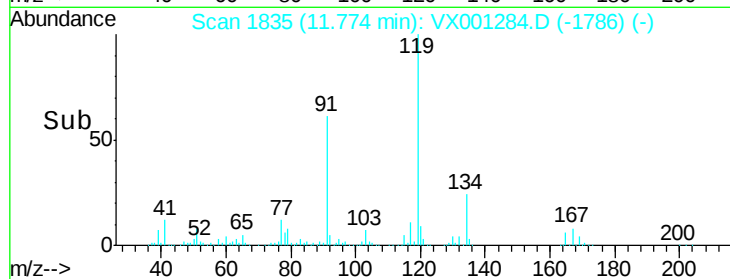
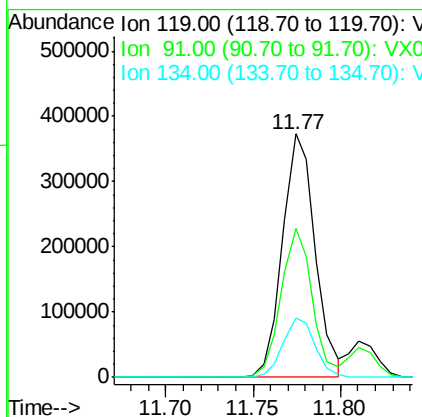
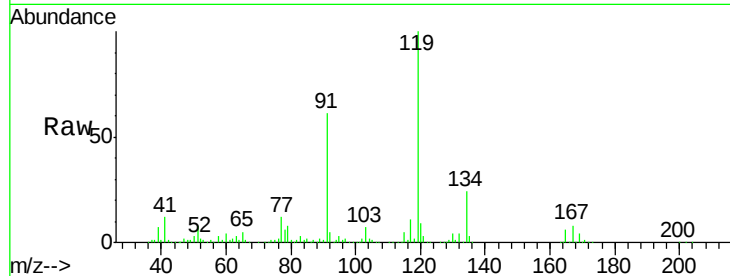
#83
tert-Butylbenzene
Concen: 48.63 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.4	28.1	84.3
134	24.0	11.8	35.3

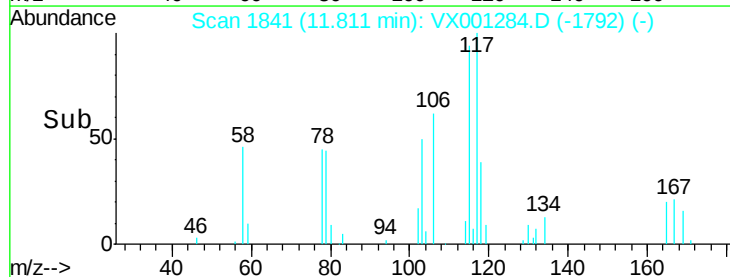
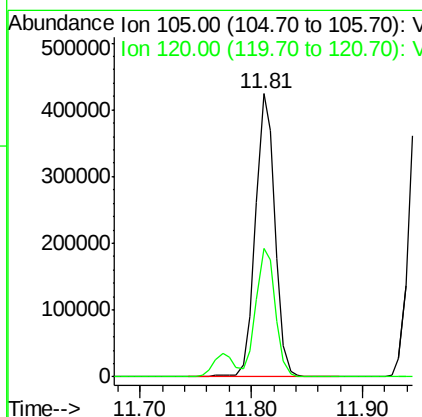
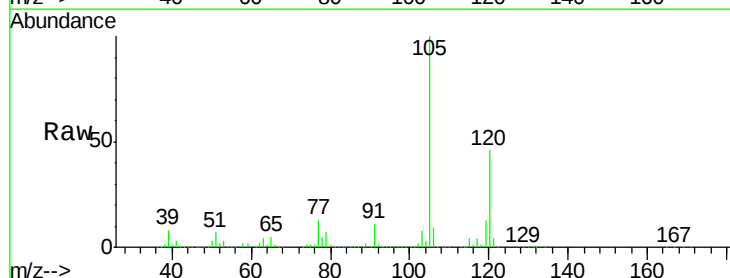
Manual Integrations
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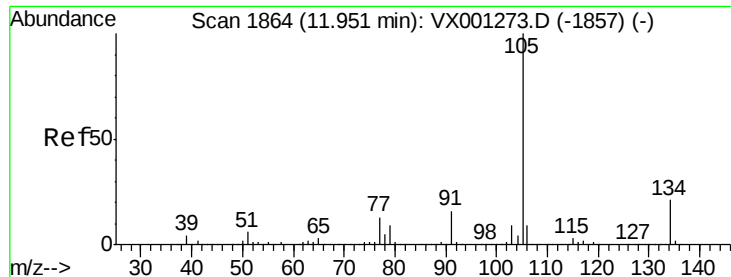
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#84
1,2,4-Trimethylbenzene
Concen: 50.15 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.7	68.1





#85

sec-Butylbenzene

Concen: 50.48 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 604443

Ion Ratio Lower Upper

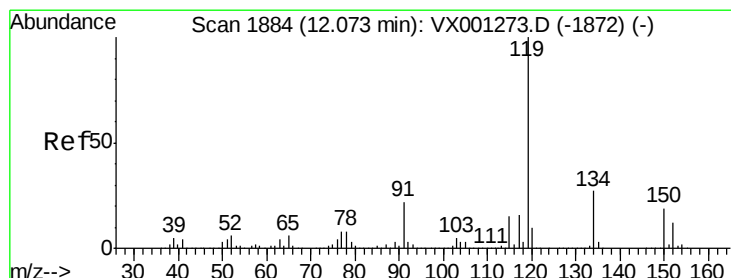
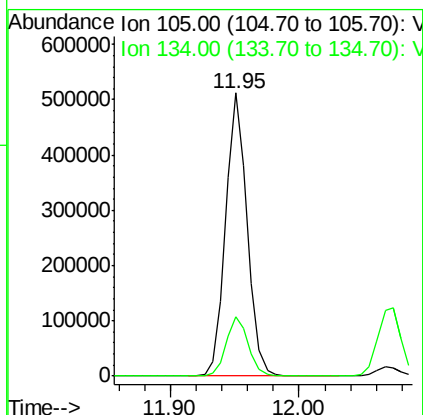
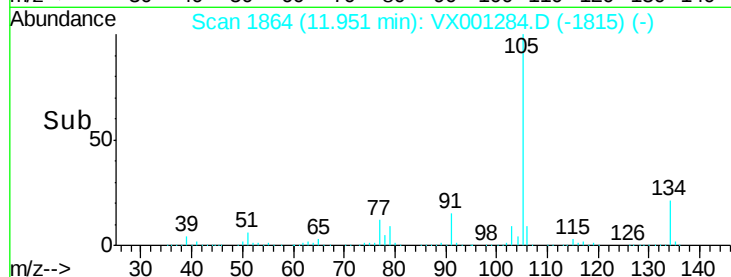
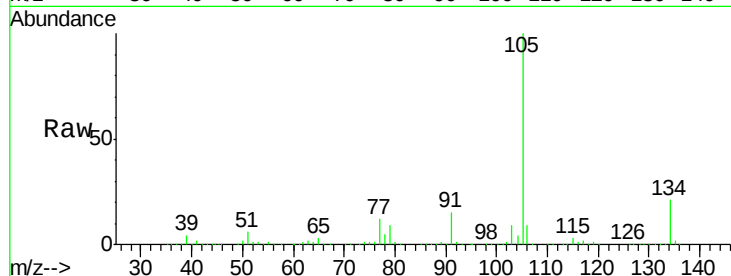
105 100

134 21.4 10.7 31.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 51.40 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001284.D

Acq: 01 May 2018 17:55

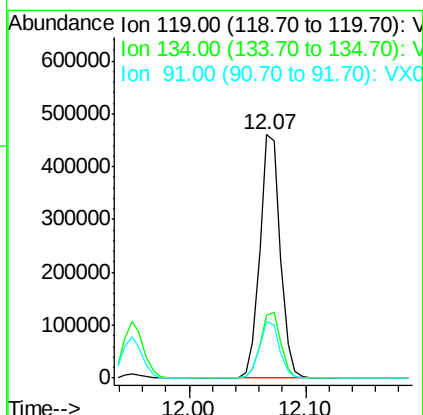
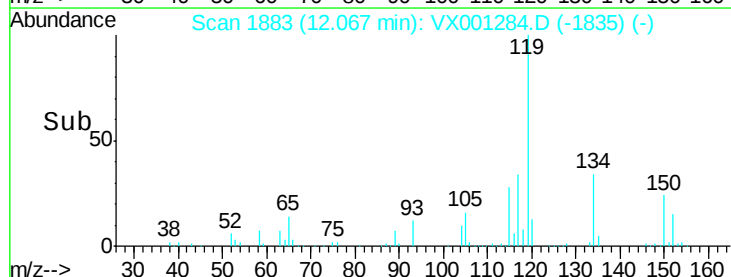
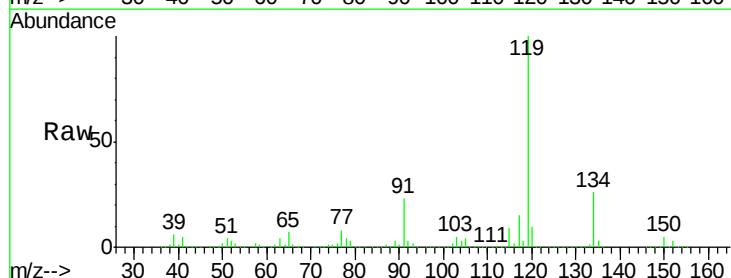
Tgt Ion:119 Resp: 564646

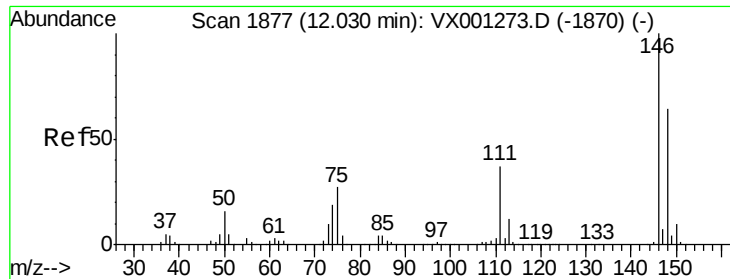
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 23.1 11.7 35.1





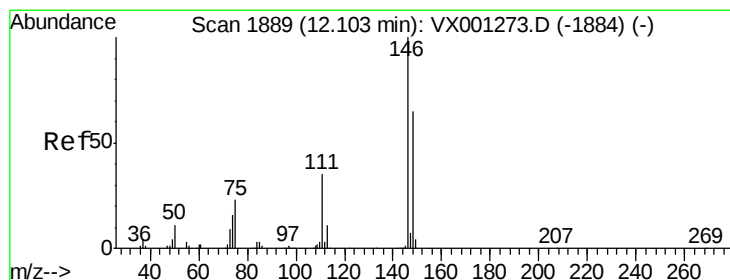
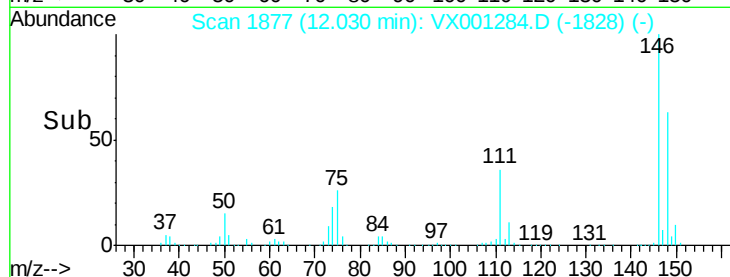
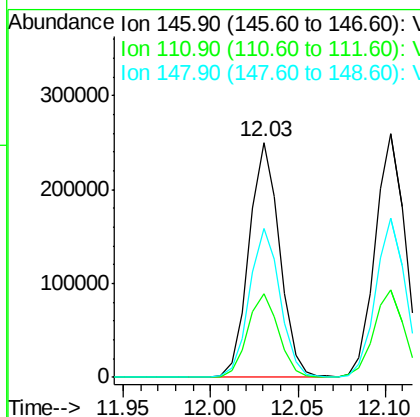
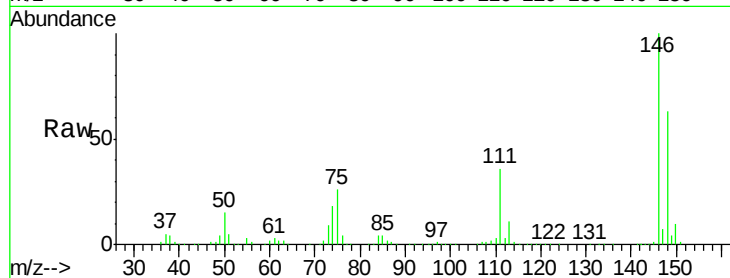
#87
 1,3-Dichlorobenzene
 Concen: 47.30 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001284.D
 Acq: 01 May 2018 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.4	55.2
148	63.8	32.2	96.6

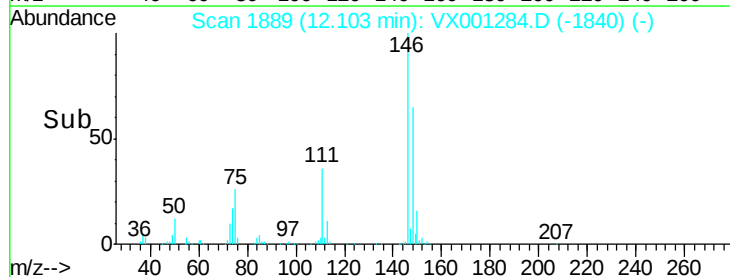
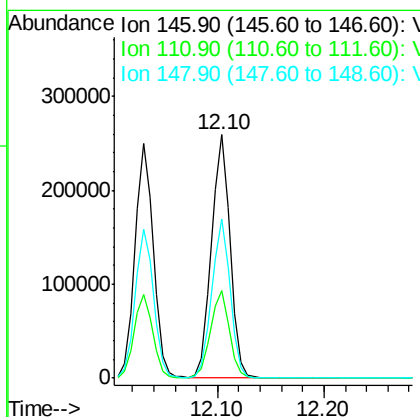
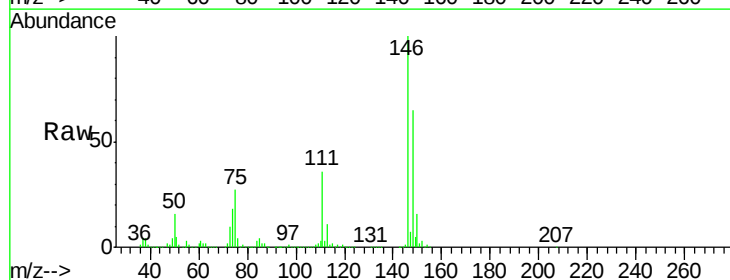
Manual Integrations
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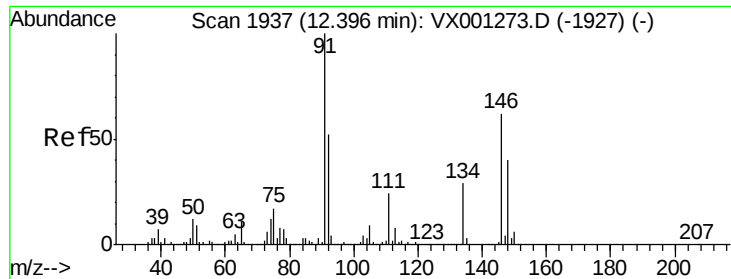
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#88
 1,4-Dichlorobenzene
 Concen: 46.78 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001284.D
 Acq: 01 May 2018 17:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	17.9	53.7
148	64.5	32.3	96.8





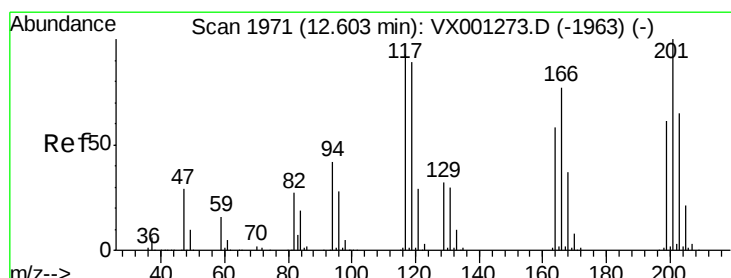
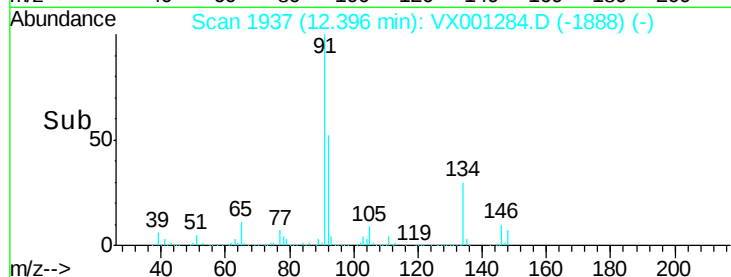
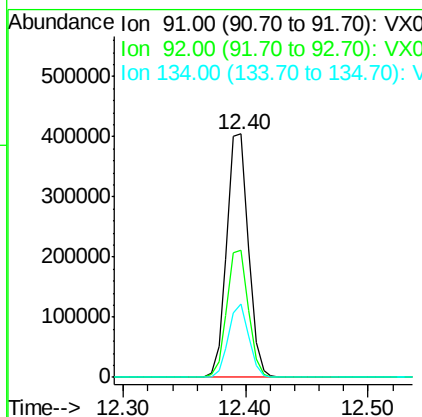
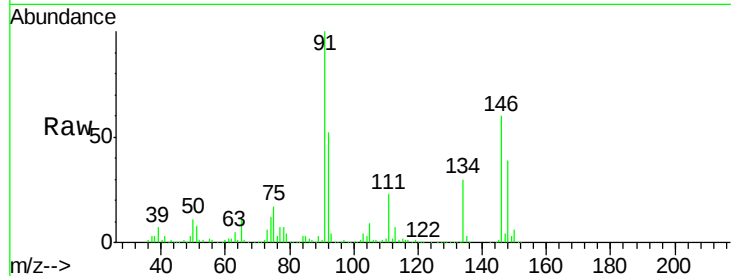
#89
n-Butylbenzene
Concen: 51.44 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.5
134	28.3	14.0	42.0

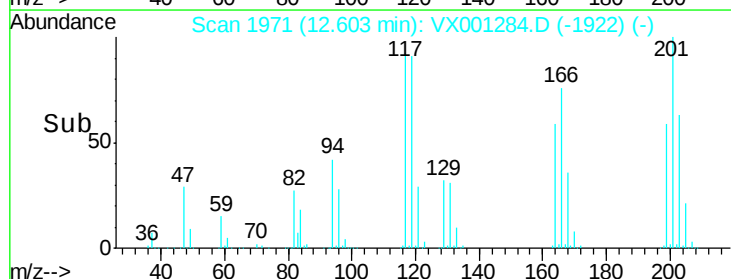
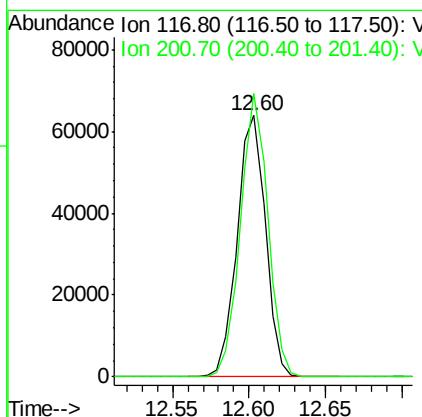
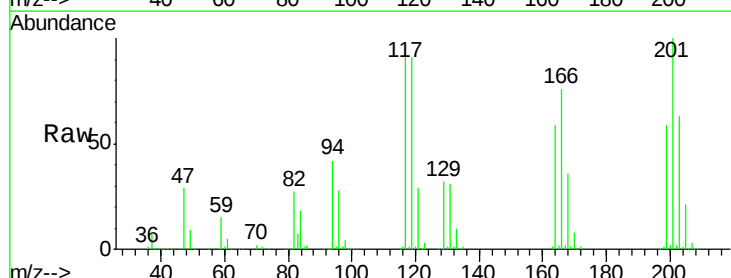
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#90
Hexachloroethane
Concen: 51.50 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	104.9	51.6	154.8





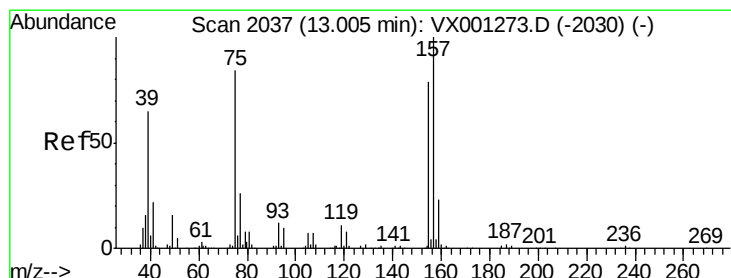
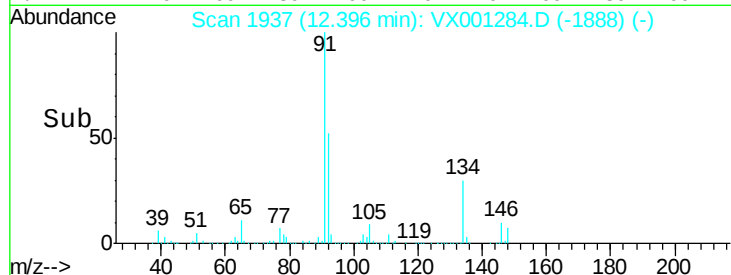
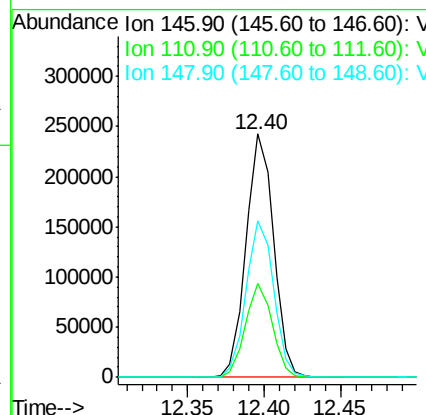
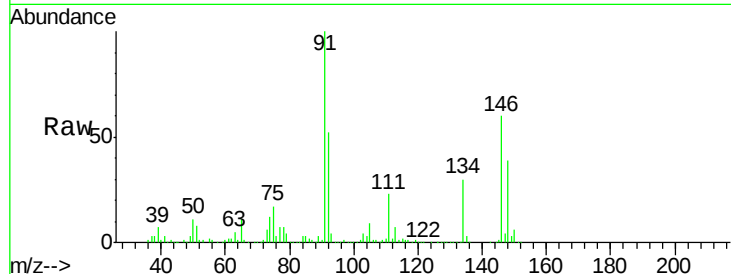
#91
 1,2-Dichlorobenzene
 Concen: 47.55 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001284.D
 Acq: 01 May 2018 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.5
148	64.3	32.4	97.0

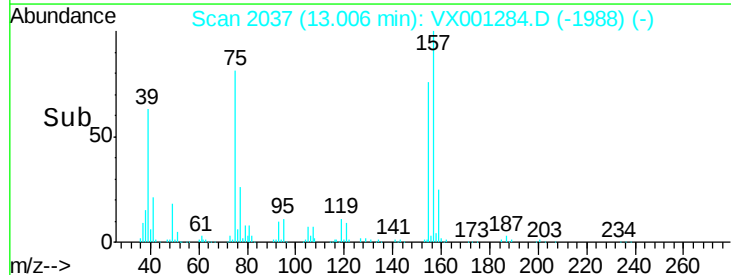
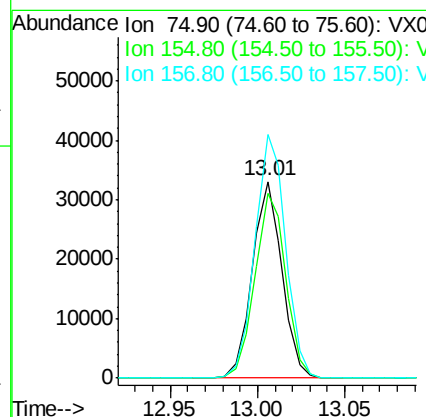
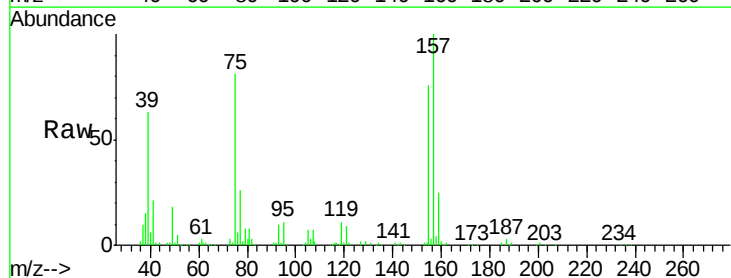
Manual Integrations
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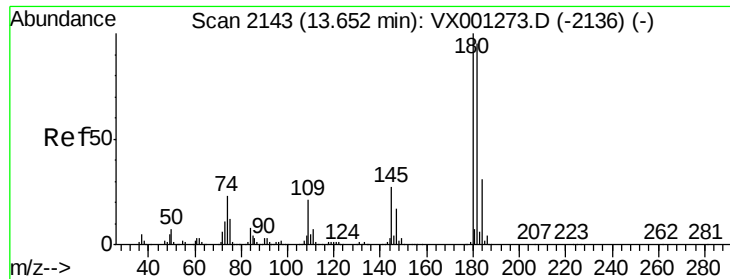
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.57 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001284.D
 Acq: 01 May 2018 17:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	49.9	149.7
157	128.4	63.7	191.1





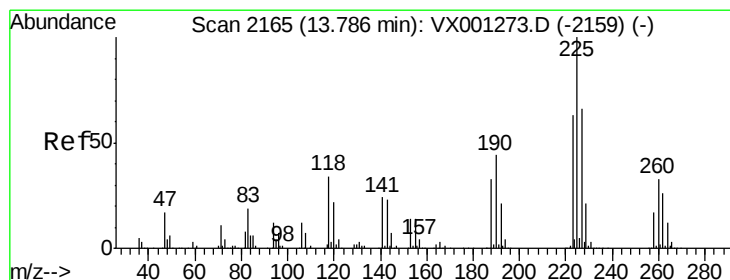
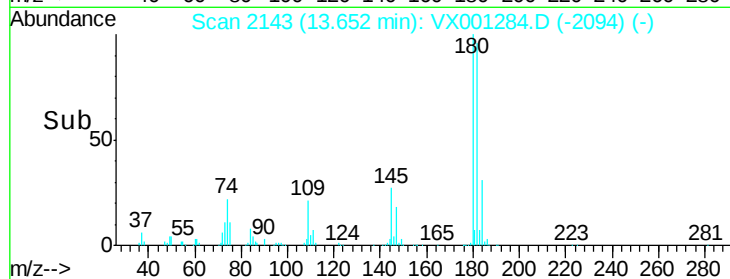
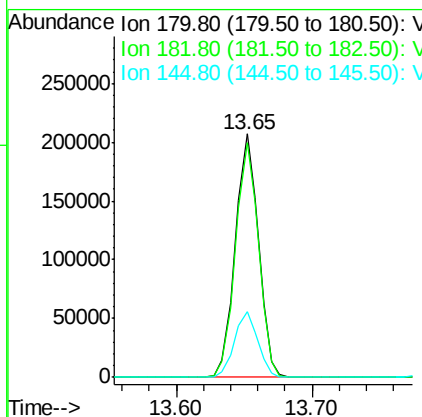
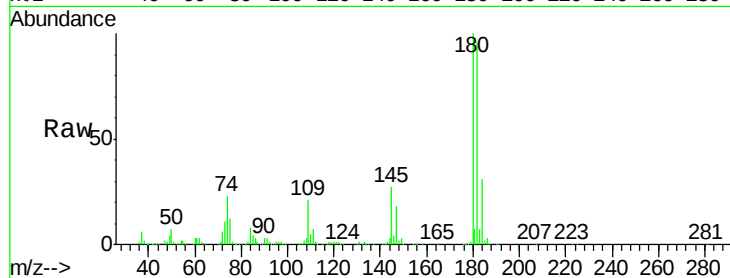
#93
 1,2,4-Trichlorobenzene
 Concen: 47.60 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001284.D
 Acq: 01 May 2018 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	245266		
182	96.0	47.3	141.9	
145	27.3	13.5	40.4	

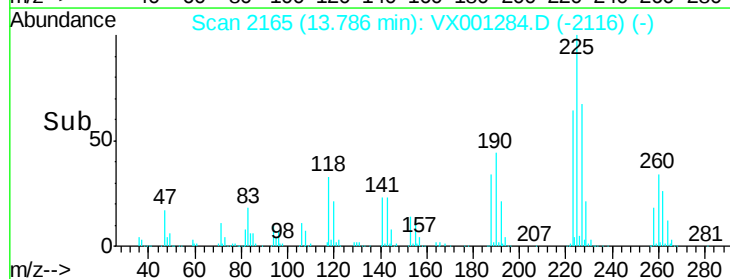
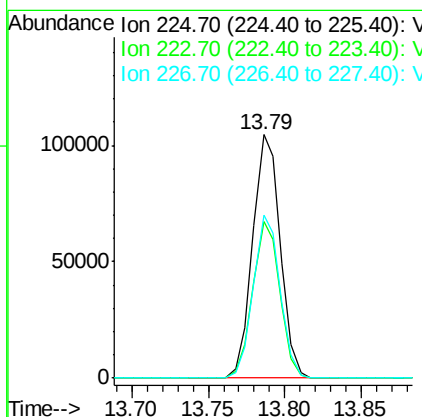
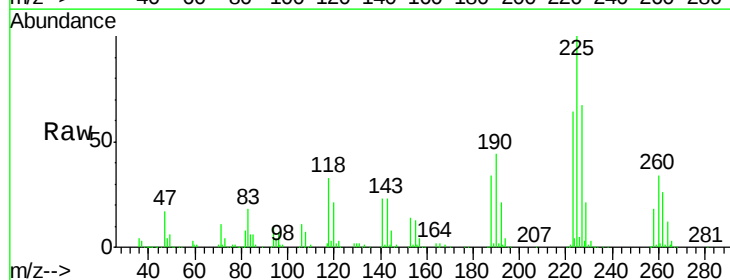
Manual Integrations
 APPROVED

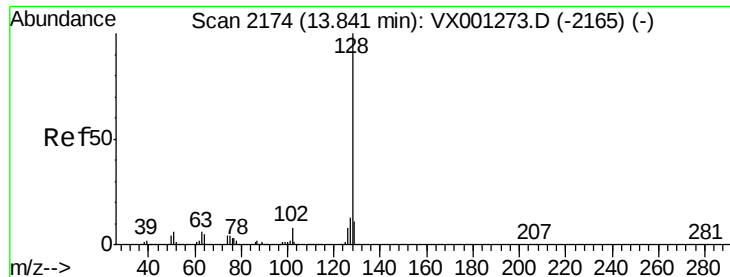
MMDadoda
 5/2/2018 4:20:56 PM



#94
 Hexachlorobutadiene
 Concen: 48.56 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001284.D
 Acq: 01 May 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	130920		
223	63.2	31.4	94.0	
227	65.0	32.5	97.5	





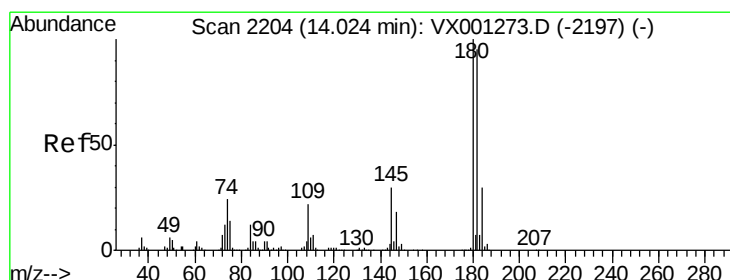
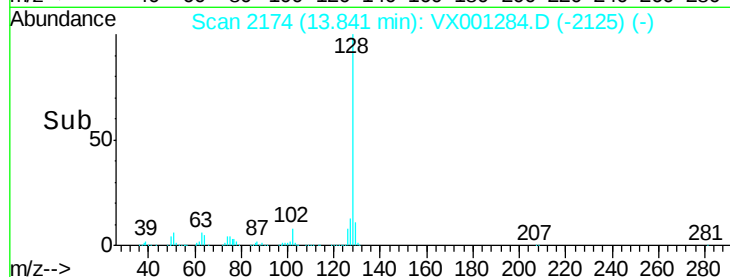
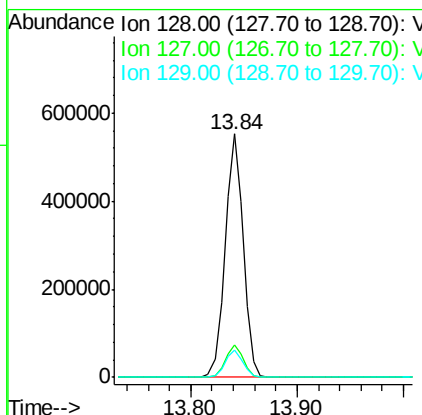
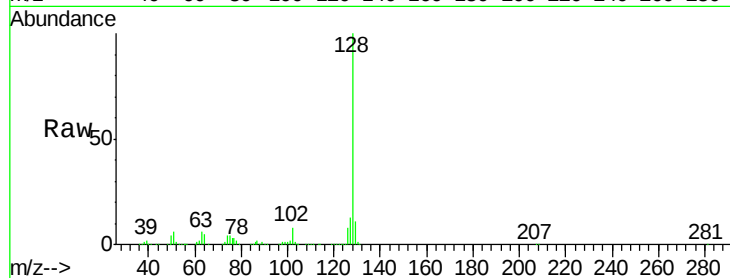
#95
Naphthalene
Concen: 49.79 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	650920		
127	13.1		10.5	15.7
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/2/2018 4:20:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.60 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001284.D
Acq: 01 May 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	245818		
182	95.6		48.1	144.3
145	28.7		14.4	43.4

