

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060618\
 Data File : VX002343.D
 Acq On : 06 Jun 2018 10:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/7/2018 11:36:12 AM

Quant Time: Jun 07 03:38:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	230596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	336984	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	336818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	224898	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	169378	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
35) Dibromofluoromethane	5.51	113	129434	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
50) Toluene-d8	8.72	98	502831	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	11.14	95	199523	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	118226	49.32	ug/l	98
3) Chloromethane	1.32	50	137279	49.98	ug/l	100
4) Vinyl Chloride	1.41	62	146831	48.60	ug/l	100
5) Bromomethane	1.64	94	74614	43.19	ug/l	99
6) Chloroethane	1.72	64	100704	51.53	ug/l	97
7) Trichlorofluoromethane	1.93	101	245334	53.30	ug/l	99
8) Diethyl Ether	2.19	74	97366	60.00	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	141012	56.77	ug/l	99
10) Methyl Iodide	2.51	142	103899	29.74	ug/l	99
11) Tert butyl alcohol	3.06	59	155471	228.33	ug/l	98
12) 1,1-Dichloroethene	2.37	96	122989	50.10	ug/l	98
13) Acrolein	2.29	56	70390	213.56	ug/l	100
14) Allyl chloride	2.73	41	260369	48.87	ug/l	99
15) Acrylonitrile	3.15	53	392262	280.69	ug/l	100
16) Acetone	2.45	43	440355	315.53	ug/l	99
17) Carbon Disulfide	2.57	76	284594	43.99	ug/l	99
18) Methyl Acetate	2.78	43	185917	56.64	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	497821	58.65	ug/l	100
20) Methylene Chloride	2.86	84	150883	58.33	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	135089	49.90	ug/l	99
22) Diisopropyl ether	3.87	45	531172	59.98	ug/l	97
23) Vinyl Acetate	3.82	43	2331624	269.98	ug/l	100
24) 1,1-Dichloroethane	3.70	63	273634	51.97	ug/l	99
25) 2-Butanone	4.70	43	524382	231.93	ug/l	100
26) 1,2-Dichloropropane	4.59	77	186736	45.37	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	140873	47.85	ug/l	93
28) Bromochloromethane	5.02	49	126306	56.89	ug/l	100
29) Tetrahydrofuran	5.16	42	321912	220.83	ug/l	98
30) Chloroform	5.22	83	247794	48.77	ug/l	98
31) Cyclohexane	5.58	56	206473	49.59	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	209136	48.54	ug/l	99
36) 1,1-Dichloropropene	5.80	75	174173	49.16	ug/l	99
37) Ethyl Acetate	4.86	43	202199	47.46	ug/l	99
38) Carbon Tetrachloride	5.79	117	177924	48.01	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	219491	50.15	ug/l	98
40) Benzene	6.15	78	540921	49.80	ug/l	100
41) Methacrylonitrile	5.06	41	116962	47.96	ug/l	99
42) 1,2-Dichloroethane	6.20	62	217802	50.47	ug/l	100
43) Isopropyl Acetate	6.46	43	348041	48.10	ug/l	99
44) Trichloroethene	7.21	130	151966	50.41	ug/l	94
45) 1,2-Dichloropropane	7.52	63	147563	50.32	ug/l	100
46) Dibromomethane	7.67	93	99438	50.02	ug/l	99
47) Bromodichloromethane	7.90	83	180719	50.26	ug/l	96
48) Methyl methacrylate	7.78	41	177905	48.94	ug/l	98
49) 1,4-Dioxane	7.76	88	59048	868.81	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1112751	246.92	ug/l	100
52) Toluene	8.79	92	359542	52.04	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	222817	51.68	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	208433	51.24	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	147362	51.86	ug/l	99
56) Ethyl methacrylate	9.18	69	231378	51.00	ug/l	99
57) 1,3-Dichloropropane	9.38	76	245739	51.55	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	541224	257.77	ug/l	100
59) 2-Hexanone	9.50	43	859829	247.02	ug/l	98
60) Dibromochloromethane	9.59	129	150519	52.66	ug/l	100
61) 1,2-Dibromoethane	9.68	107	156991	52.99	ug/l	99
64) Tetrachloroethene	9.34	164	173573	49.97	ug/l	99
65) Chlorobenzene	10.14	112	418392	49.92	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	151940	50.07	ug/l	99
67) Ethyl Benzene	10.26	91	714105	50.91	ug/l	100
68) m/p-Xylenes	10.36	106	560840	102.87	ug/l	100
69) o-Xylene	10.70	106	273310	50.37	ug/l	99
70) Styrene	10.71	104	467107	52.66	ug/l	99
71) Bromoform	10.86	173	115203	42.91	ug/l	99
73) Isopropylbenzene	11.02	105	745329	47.64	ug/l	100
74) N-amyl acetate	6.46	43	348041	41.29	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	218648	44.44	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	216942m	43.96	ug/l	
77) Bromobenzene	11.26	156	204112	46.47	ug/l	99
78) n-propylbenzene	11.37	91	853776	49.10	ug/l	100
79) 2-Chlorotoluene	11.43	91	508953	46.35	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	644534	48.03	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	58563	41.60	ug/l	95
82) 4-Chlorotoluene	11.51	91	611738	48.27	ug/l	98
83) tert-Butylbenzene	11.77	119	620263	47.47	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	670511	48.54	ug/l	98
85) sec-Butylbenzene	11.95	105	764173	49.88	ug/l	100
86) p-Isopropyltoluene	12.07	119	700691	50.22	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	382651	48.73	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	391750	48.40	ug/l	99
89) n-Butylbenzene	12.39	91	614937	52.55	ug/l	100
90) Hexachloroethane	12.60	117	99867	44.84	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	389427	47.93	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	48043	44.65	ug/l	99

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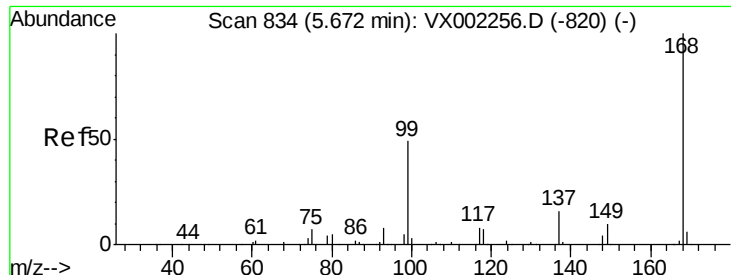
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	285798	50.16	ug/l	99
94) Hexachlorobutadiene	13.79	225	142722	50.69	ug/l	100
95) Naphthalene	13.84	128	795224	48.58	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	295433	50.84	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: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 230596

Ion Ratio Lower Upper

168 100

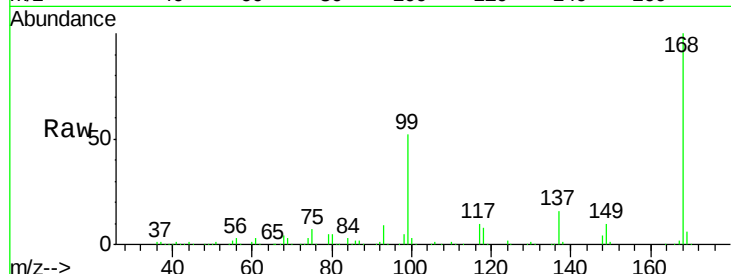
99 51.8 39.3 58.9

Manual Integrations

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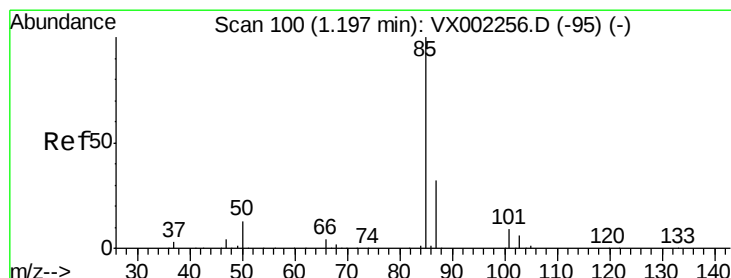
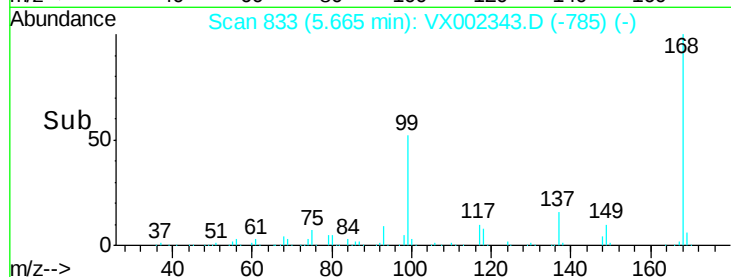
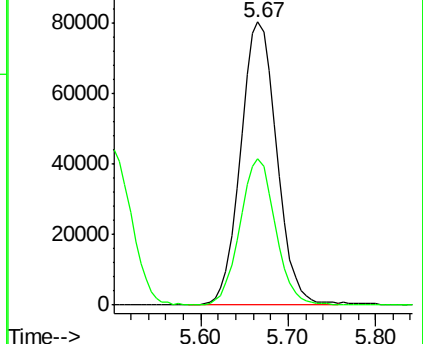
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 49.32 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002343.D

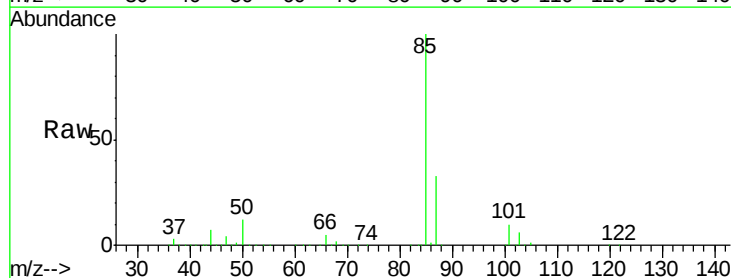
Acq: 06 Jun 2018 10:19

Tgt Ion: 85 Resp: 118226

Ion Ratio Lower Upper

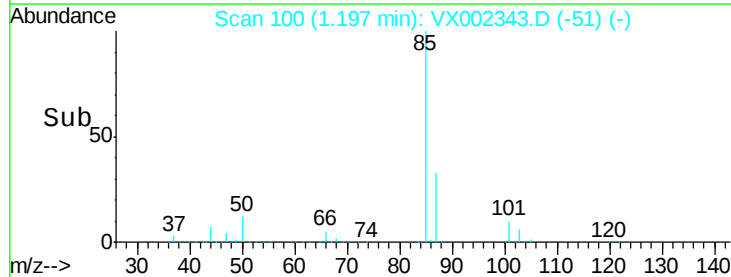
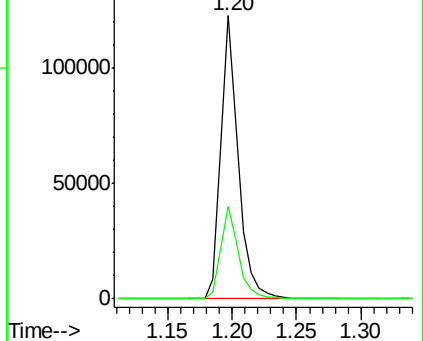
85 100

87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 49.98 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 137279

Ion Ratio Lower Upper

50 100

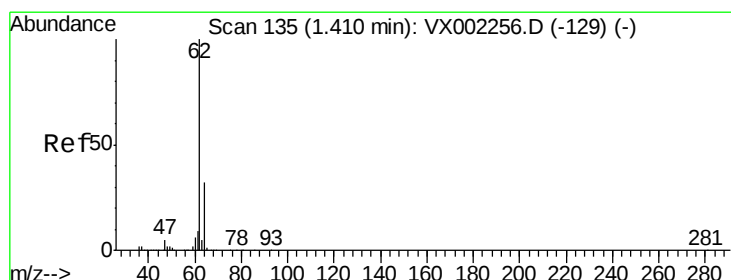
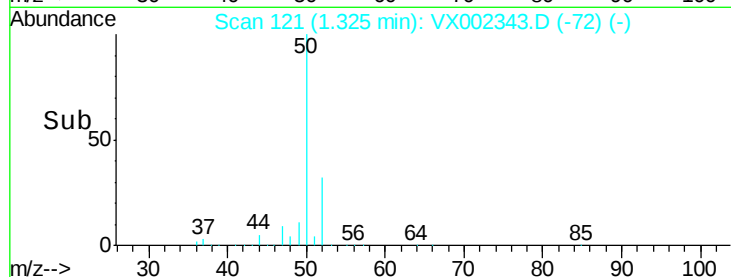
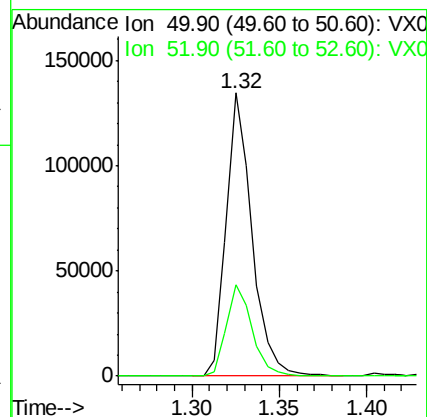
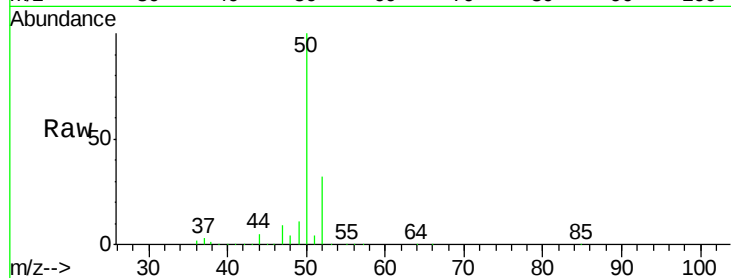
52 32.2 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.60 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002343.D

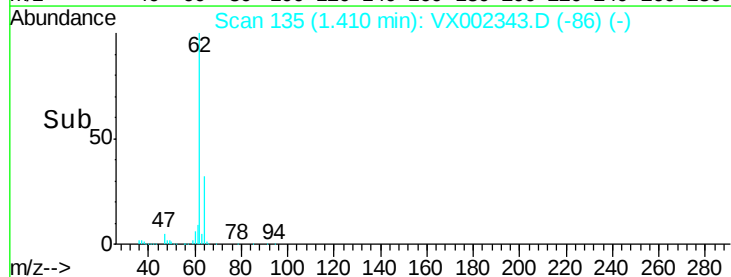
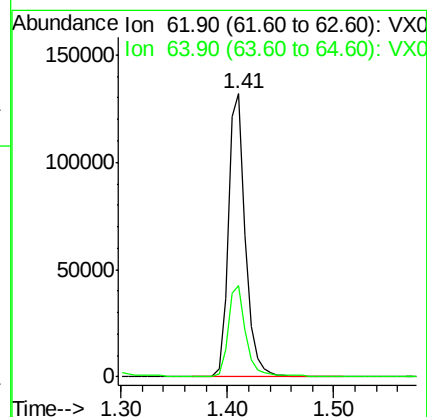
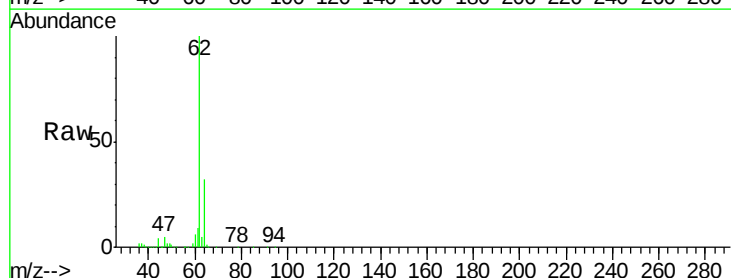
Acq: 06 Jun 2018 10:19

Tgt Ion: 62 Resp: 146831

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 43.19 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 74614

Ion Ratio Lower Upper

94 100

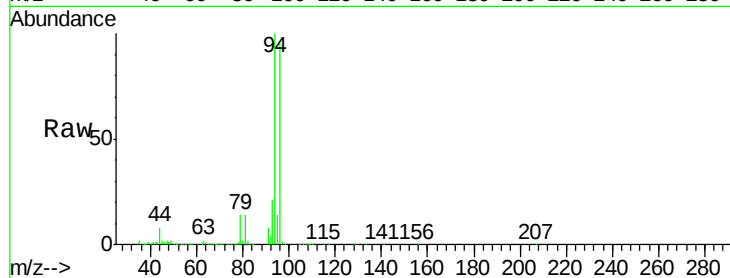
96 94.7 74.9 112.3

Manual Integrations

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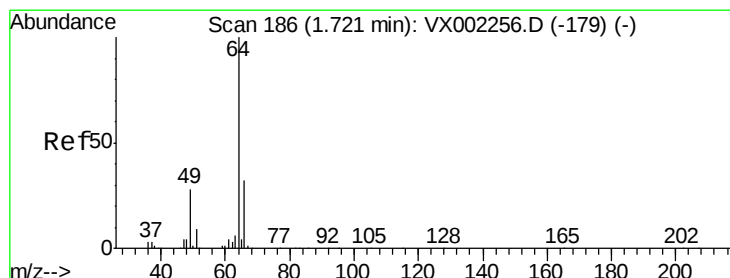
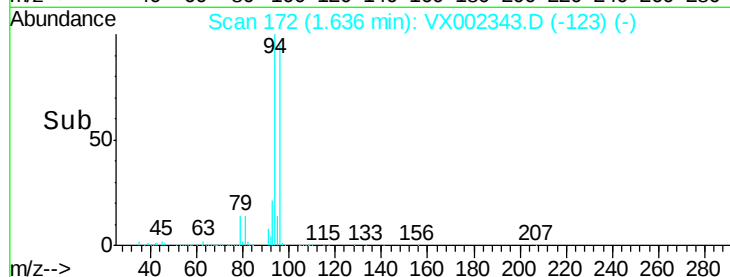
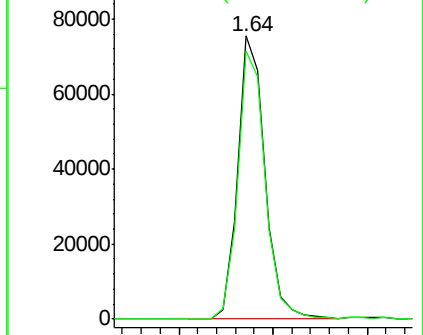
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.53 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002343.D

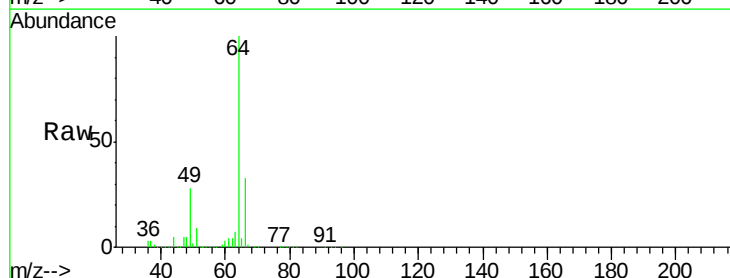
Acq: 06 Jun 2018 10:19

Tgt Ion: 64 Resp: 100704

Ion Ratio Lower Upper

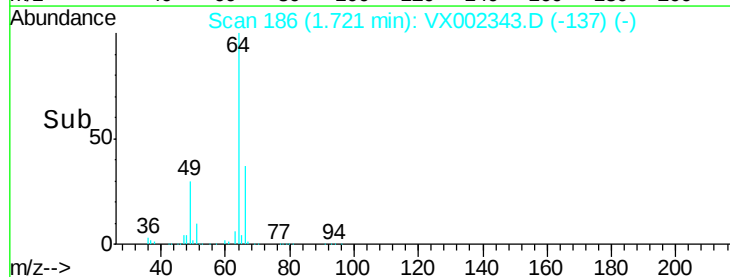
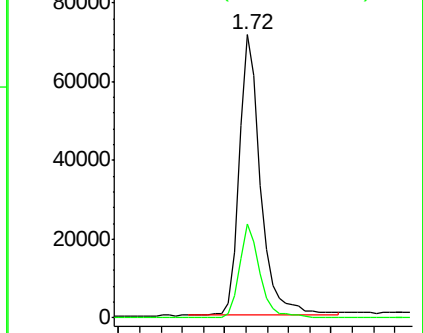
64 100

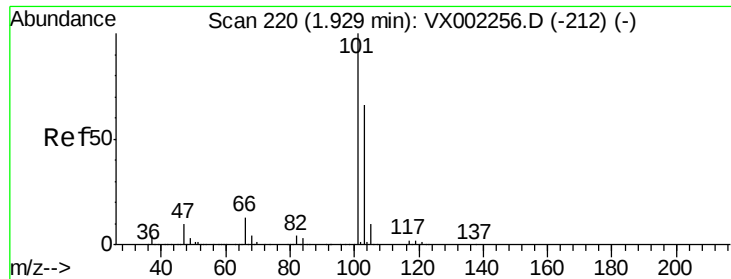
66 33.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

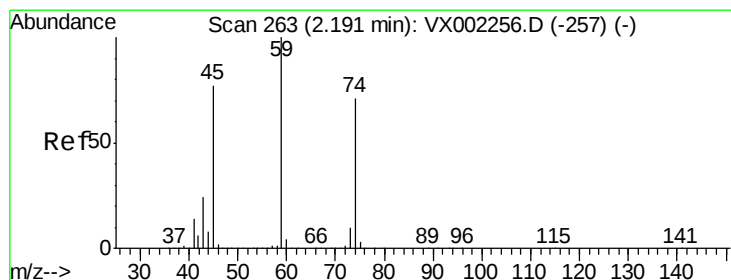
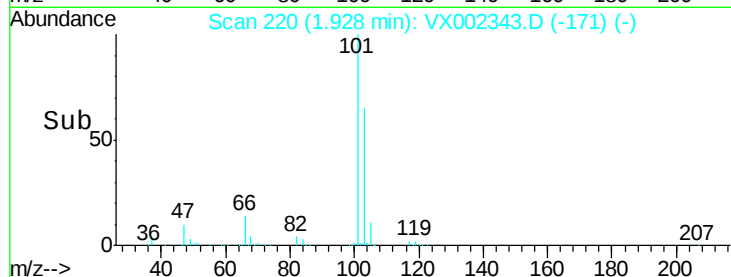
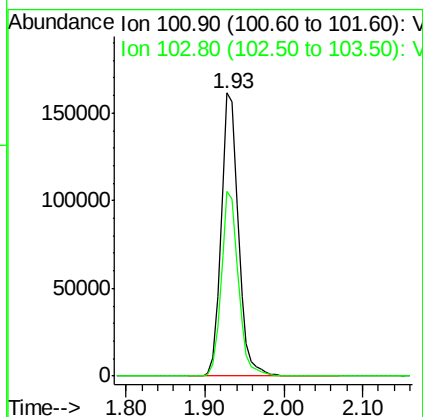
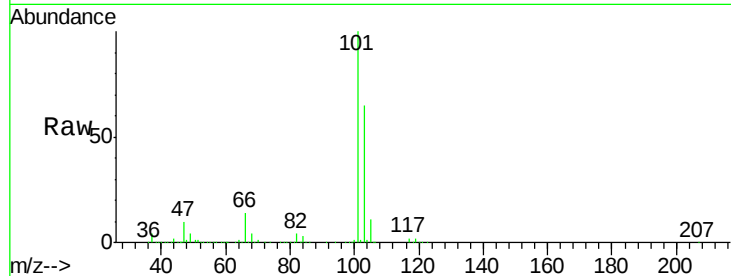
Trichlorofluoromethane
 Concen: 53.30 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX002343.D
 Acq: 06 Jun 2018 10:19

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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.8	79.2

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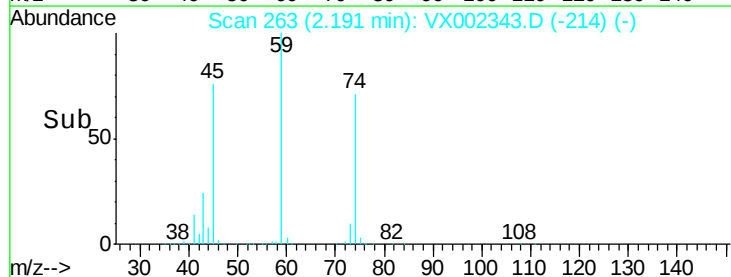
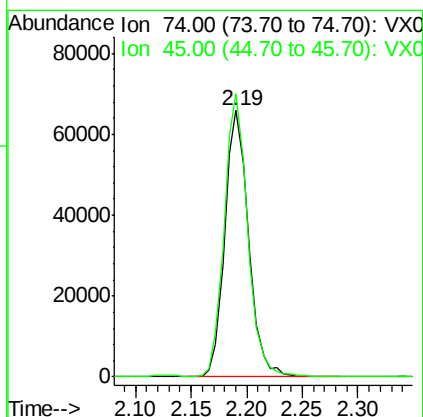
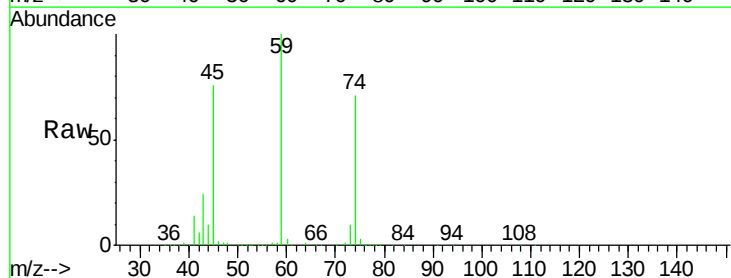
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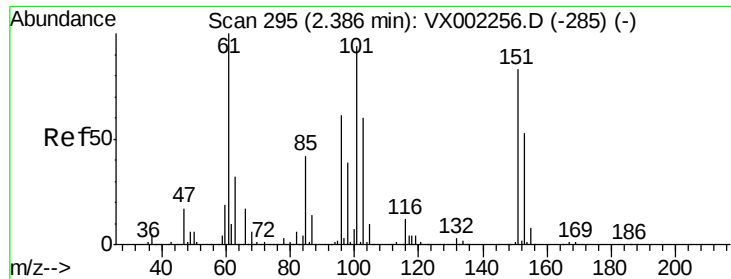


#8

Diethyl Ether
 Concen: 60.00 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002343.D
 Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.3	53.1	159.4





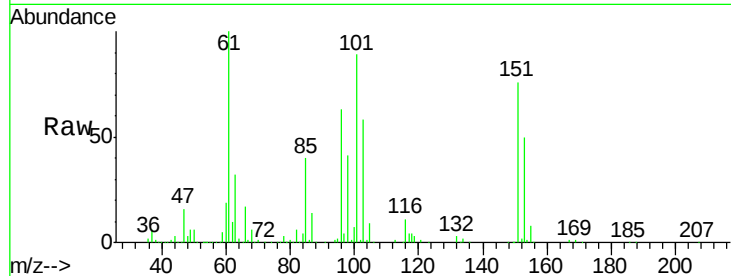
#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.77 ug/l
RT: 2.39 min Scan# 295
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

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VSTDCCC050

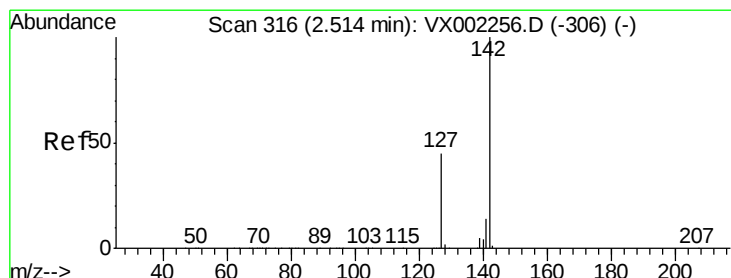
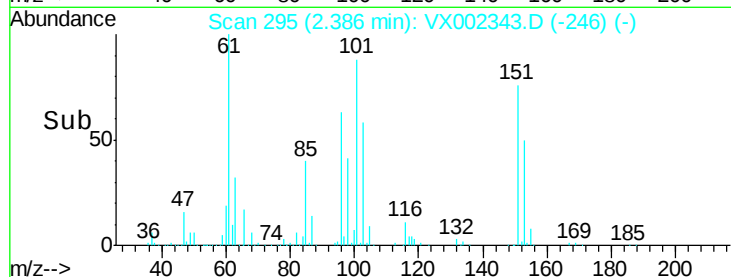
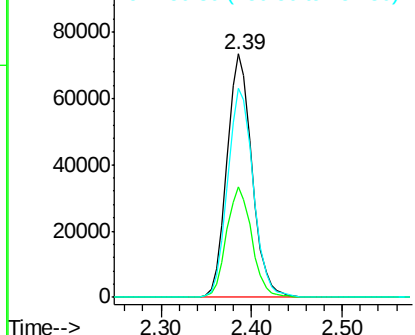
Tot Ion	Ratio	Resp	Lower	Upper
101	100	141012		
85	45.5	36.0	54.0	
151	87.8	70.9	106.3	

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MMDadoda
6/7/2018 11:36:12 AM

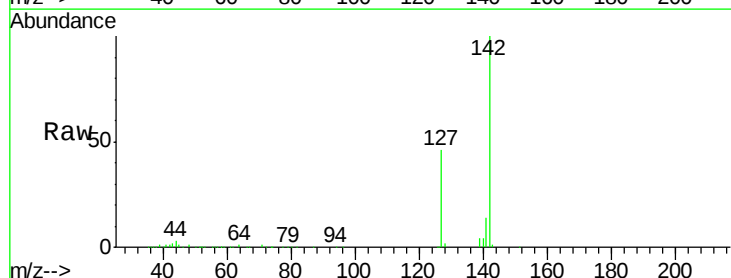


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V

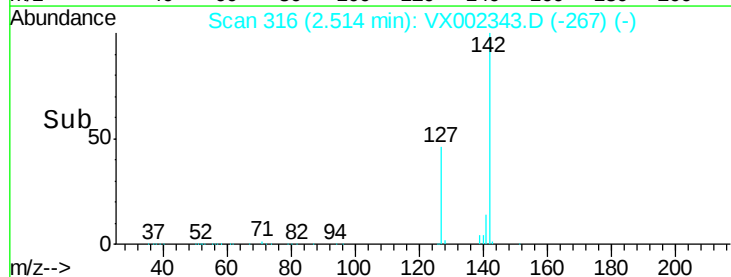
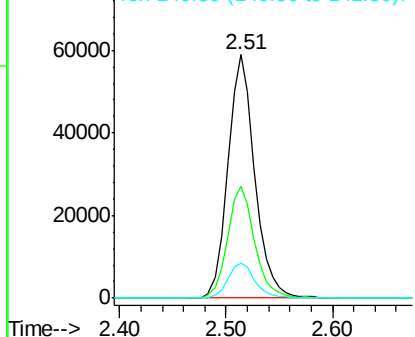


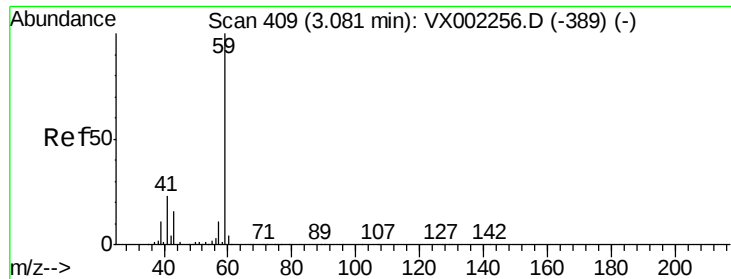
#10
Methyl Iodide
Concen: 29.74 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	103899		
127	46.5	36.6	55.0	
141	14.7	11.3	16.9	



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

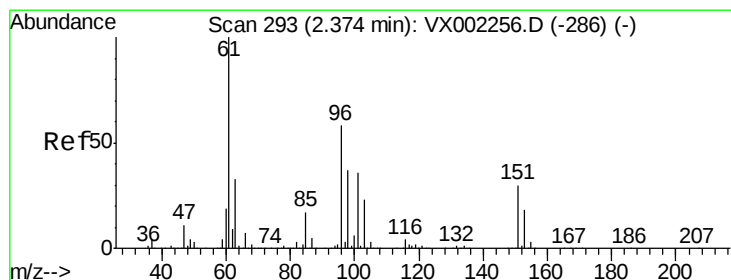
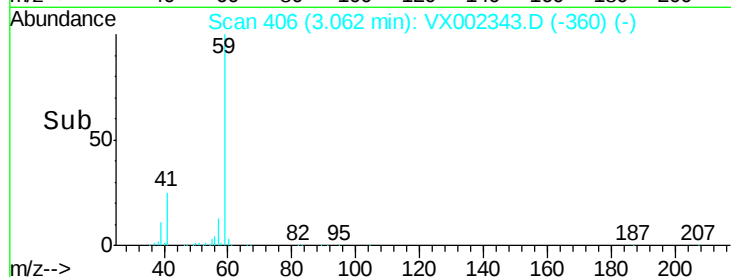
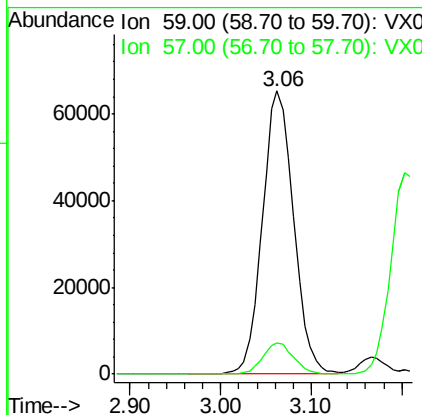
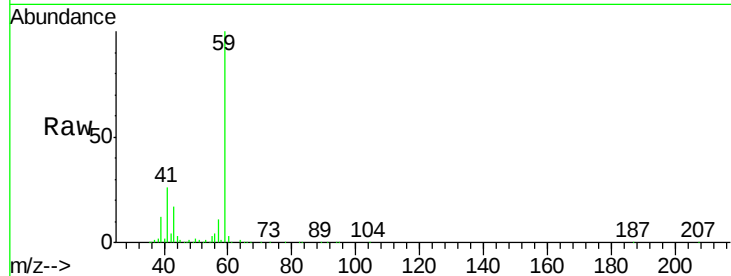
Tert butyl alcohol
Concen: 228.33 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59.00 (58.70 to 59.70): VX0	Resp	155471
Ion Ratio	59	100	Lower Upper
	57	11.1	8.2 12.2

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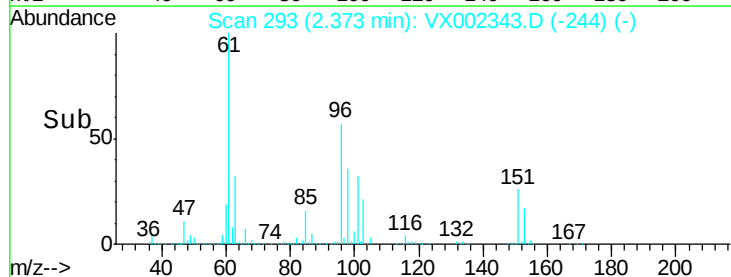
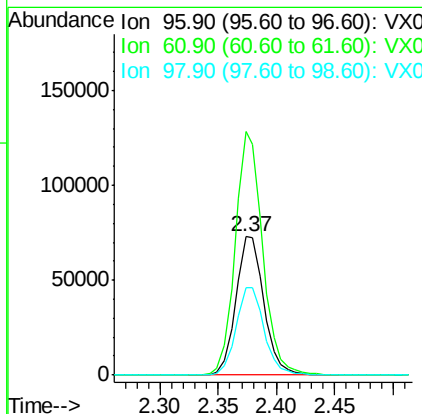
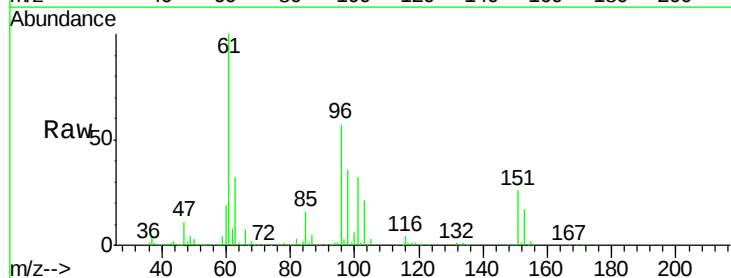
MMDadoda
6/7/2018 11:36:12 AM

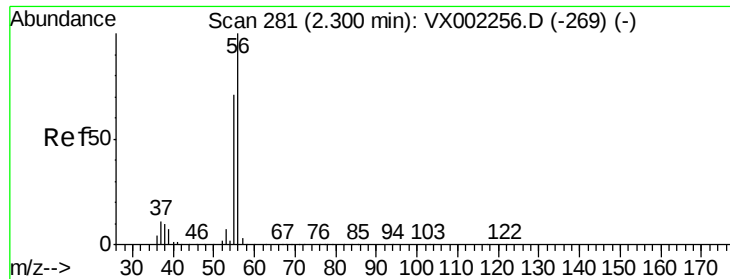


#12

1,1-Dichloroethene
Concen: 50.10 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion	96	Resp	122989
Ion Ratio	96	100	Lower Upper
	61	176.2	137.9 206.9
	98	63.5	51.6 77.4





#13

Acrolein

Concen: 213.56 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 70390

Ion Ratio Lower Upper

56 100

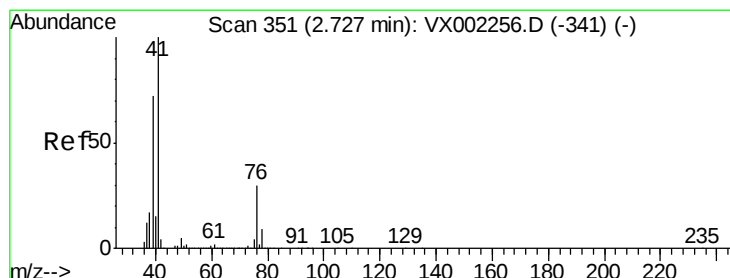
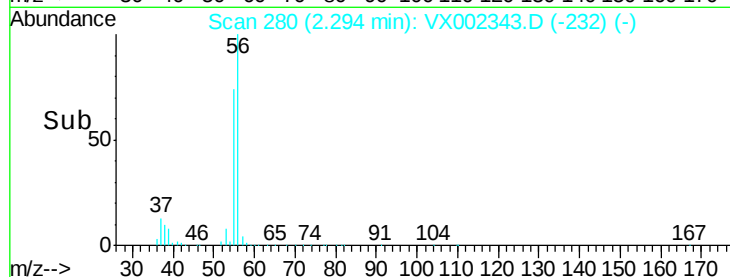
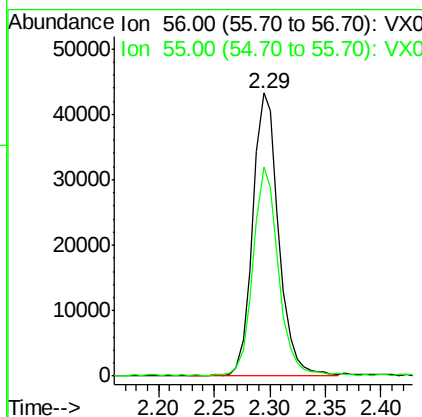
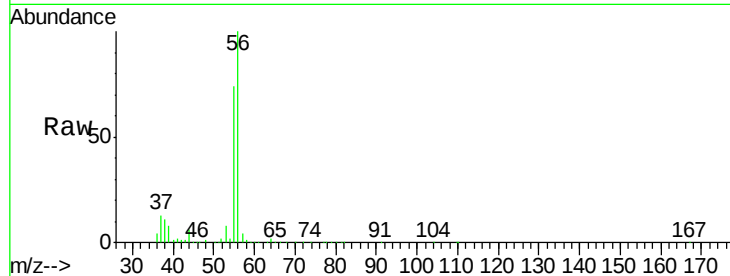
55 71.5 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 48.87 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

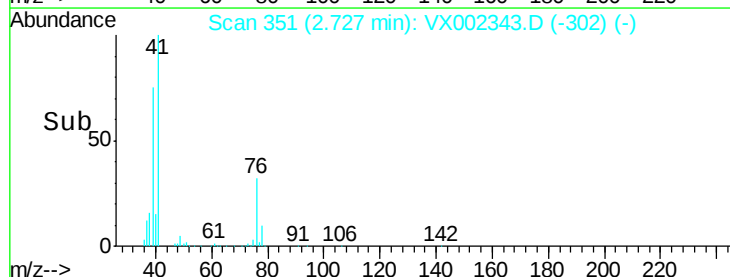
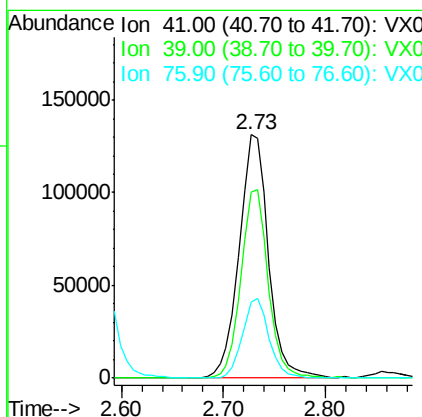
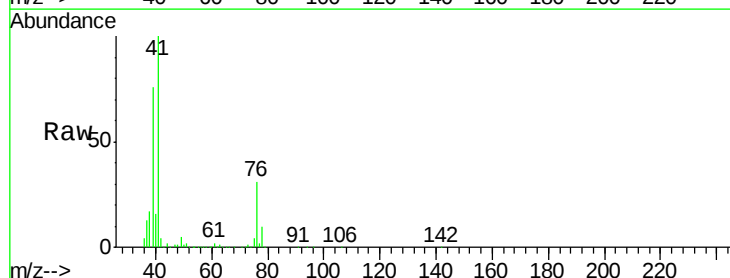
Tgt Ion: 41 Resp: 260369

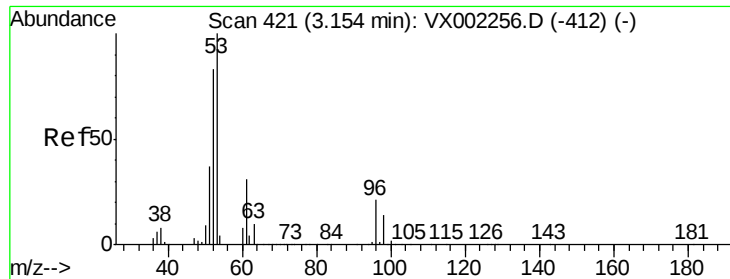
Ion Ratio Lower Upper

41 100

39 72.0 56.8 85.2

76 29.6 23.8 35.8





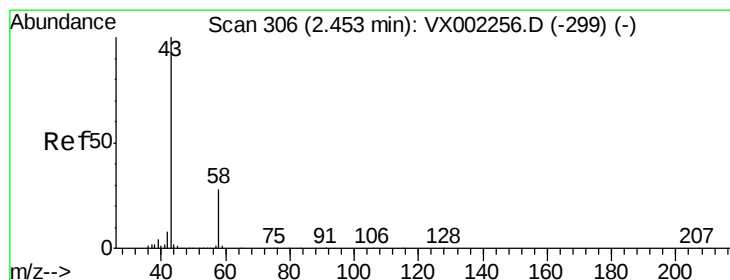
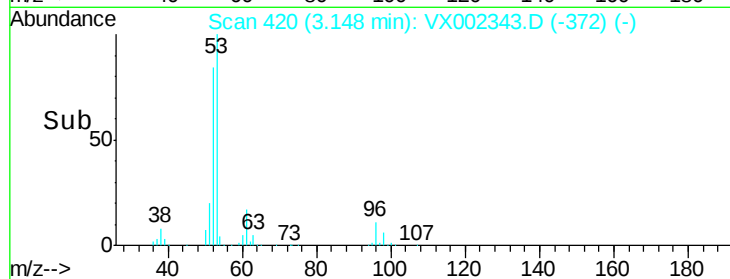
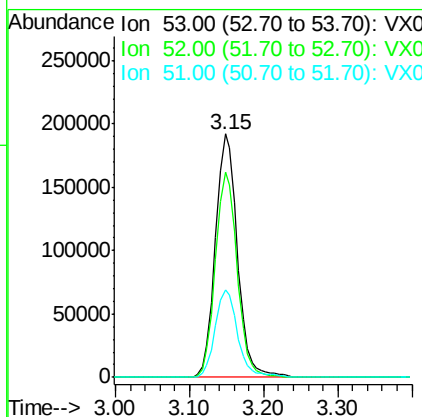
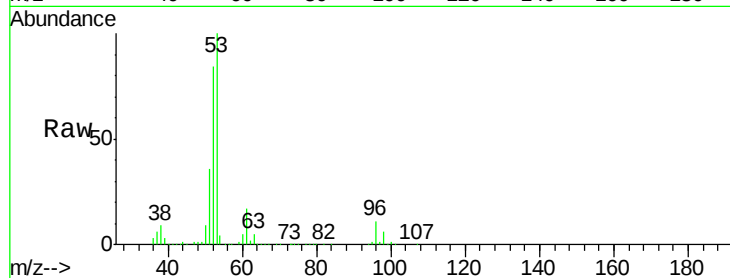
#15
 Acrylonitrile
 Concen: 280.69 ug/l
 RT: 3.15 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: VX002343.D
 Acq: 06 Jun 2018 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.7	100.1
51	37.0	29.9	44.9

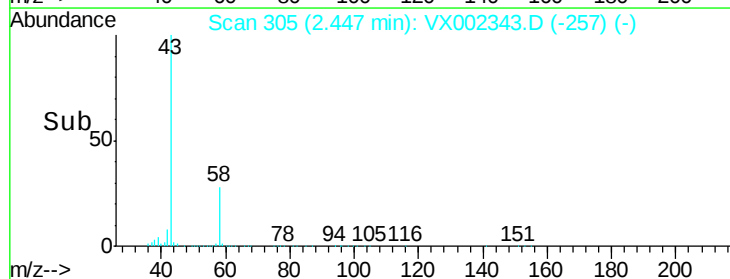
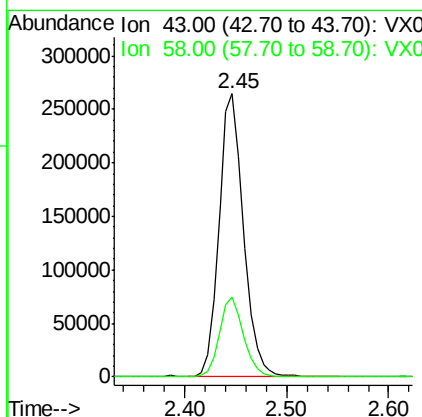
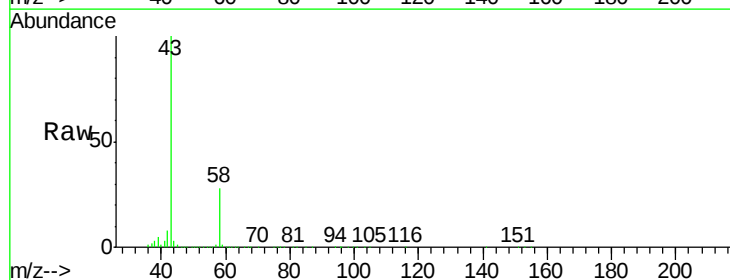
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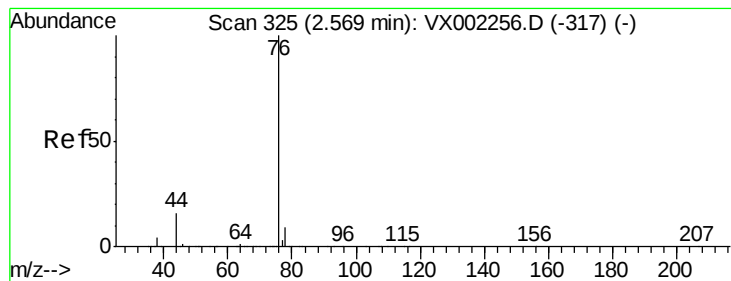
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#16
 Acetone
 Concen: 315.53 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX002343.D
 Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.1	33.1





#17

Carbon Disulfide

Concen: 43.99 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 284594

Ion Ratio Lower Upper

76 100

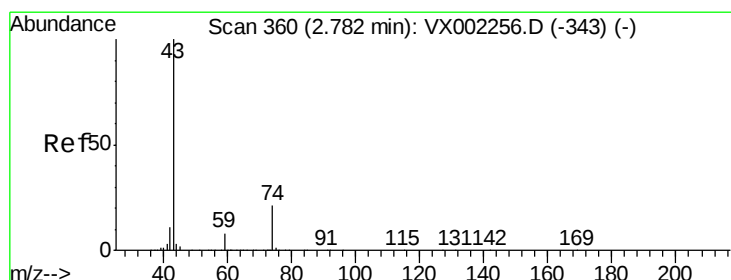
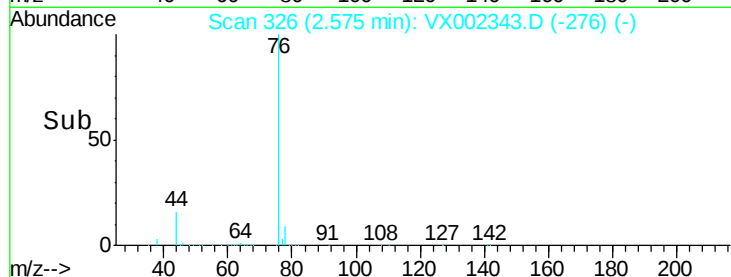
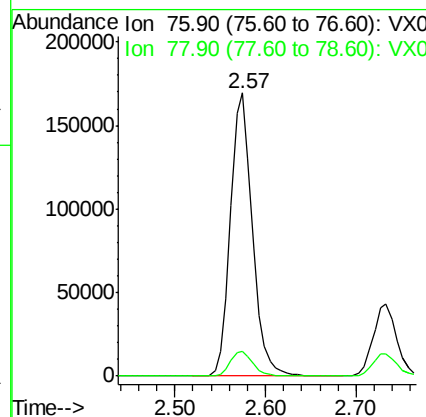
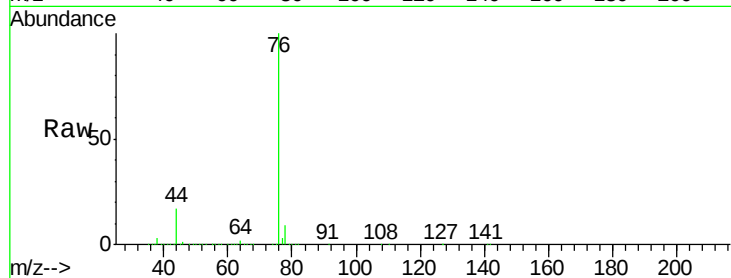
78 8.9 6.9 10.3

Manual Integrations

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#18

Methyl Acetate

Concen: 56.64 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX002343.D

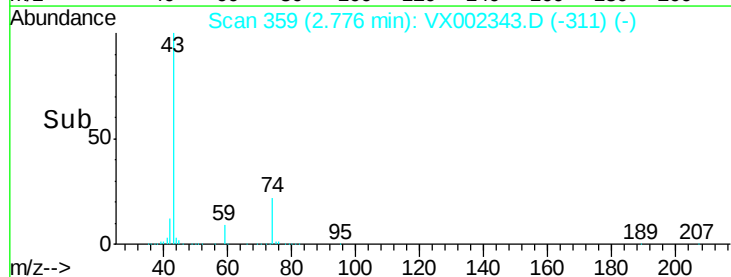
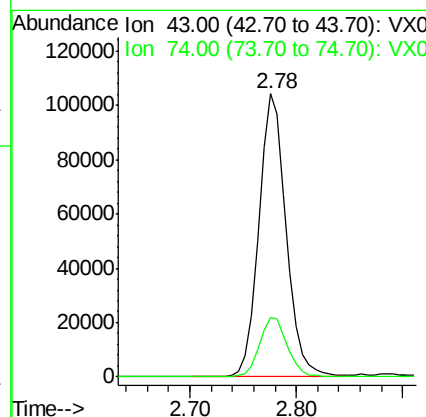
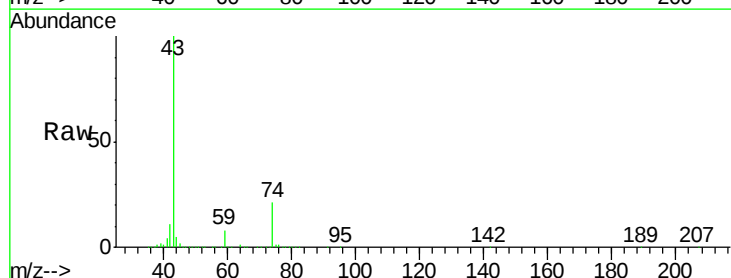
Acq: 06 Jun 2018 10:19

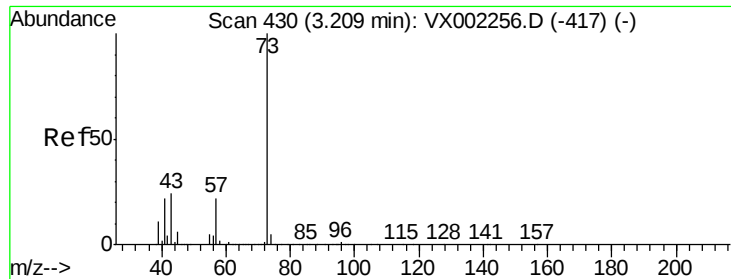
Tgt Ion: 43 Resp: 185917

Ion Ratio Lower Upper

43 100

74 21.8 16.7 25.1





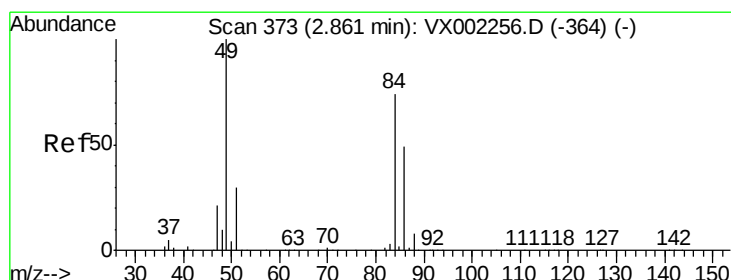
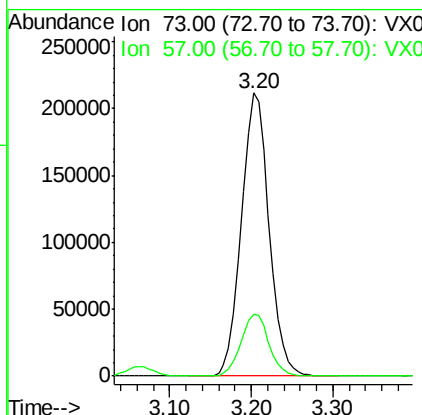
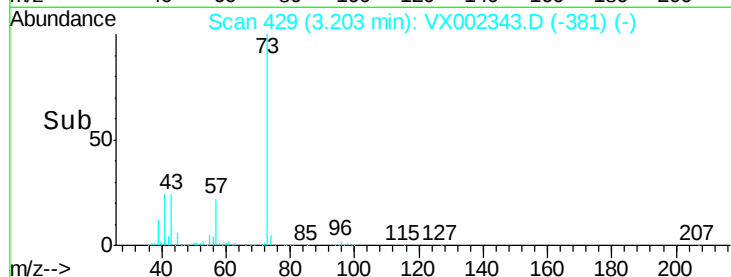
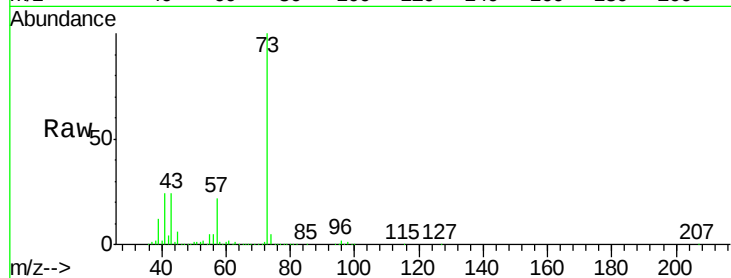
#19
Methvl tert-butvl Ether
Concen: 58.65 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5

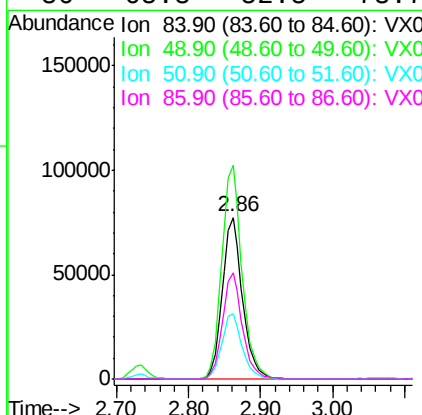
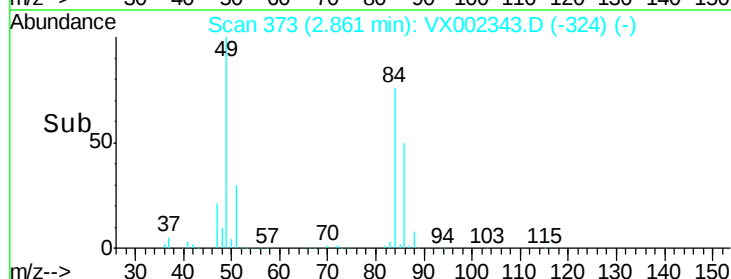
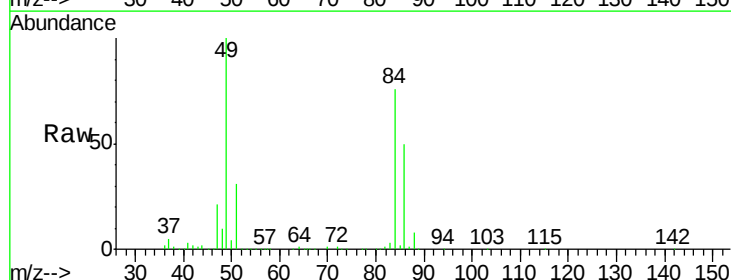
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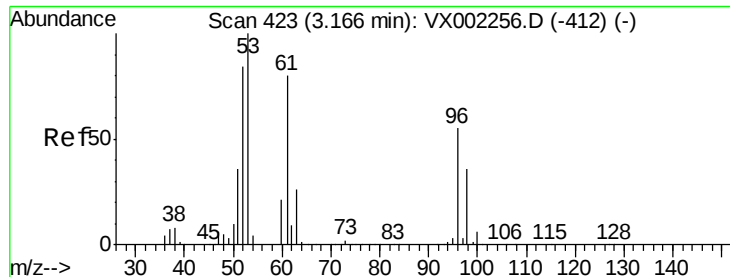
MMDadoda
6/7/2018 11:36:12 AM



#20
Methylene Chloride
Concen: 58.33 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.0	107.8	161.6
51	40.3	32.8	49.2
86	65.8	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 49.90 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 96 Resp: 135089

Ion Ratio Lower Upper

96 100

61 147.7 117.0 175.4

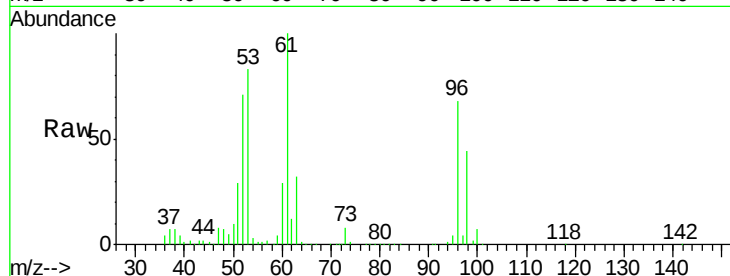
98 64.6 52.4 78.6

Manual Integrations

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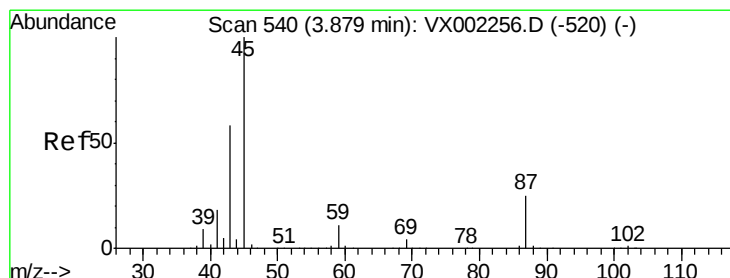
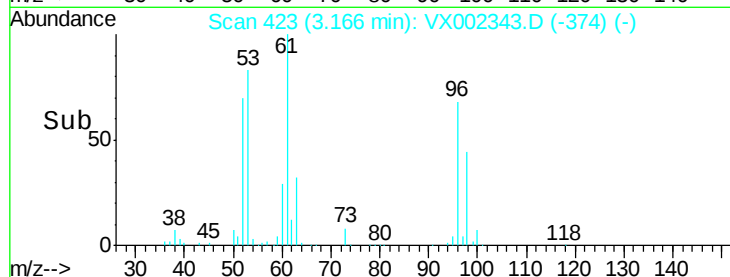
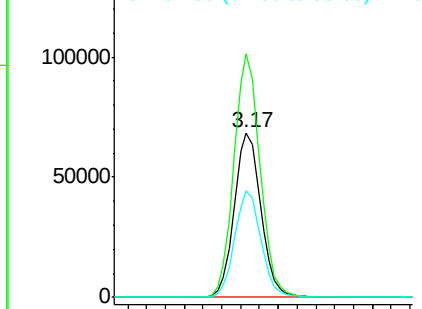
6/7/2018 11:36:12 AM



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: 59.98 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Tgt Ion: 45 Resp: 531172

Ion Ratio Lower Upper

45 100

43 61.7 46.8 70.2

87 26.7 20.2 30.4

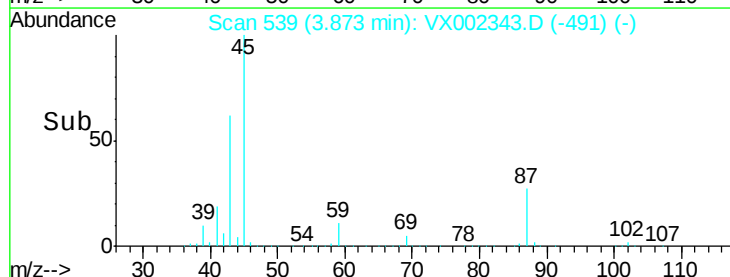
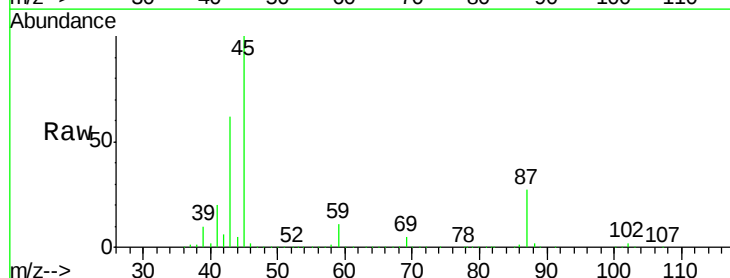
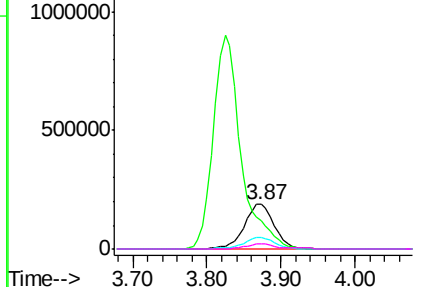
59 10.9 8.7 13.1

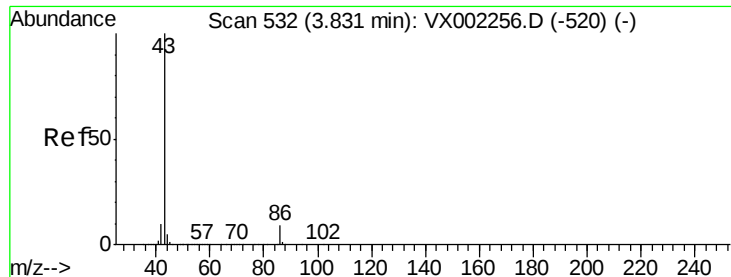
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 269.98 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Tot Ion: 43 Resp: 2331624

Ion Ratio Lower Upper

43 100

86 9.3 7.4 11.0

Instrument :

MSVOA_X

ClientSampleId :

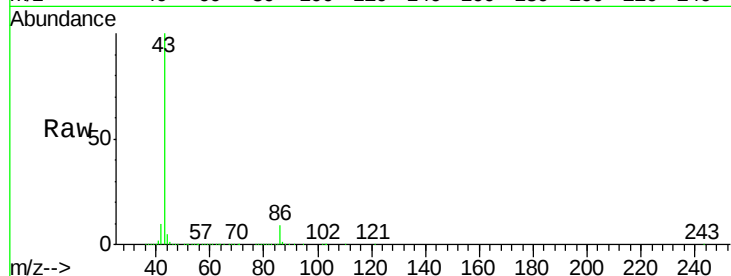
VSTDCCC050

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

1000000

800000

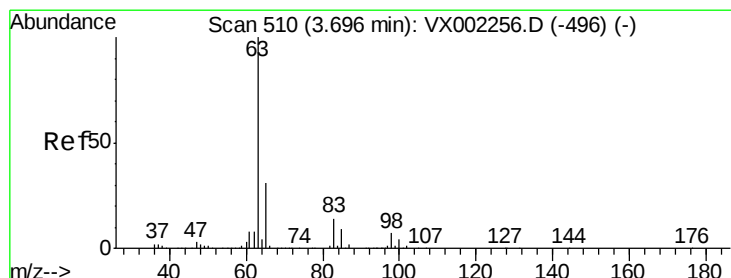
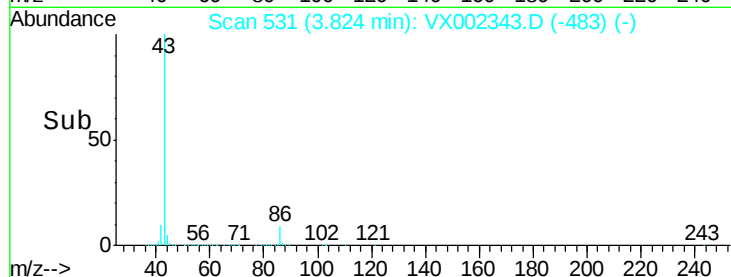
600000

400000

200000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 51.97 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

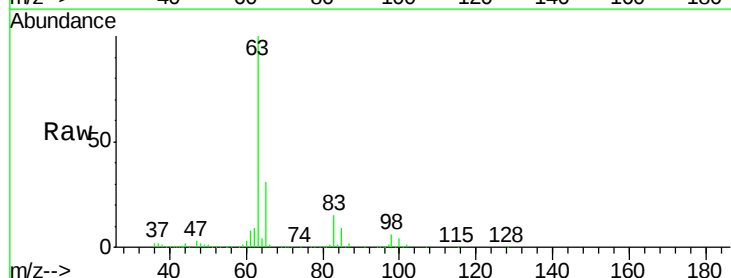
Tgt Ion: 63 Resp: 273634

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

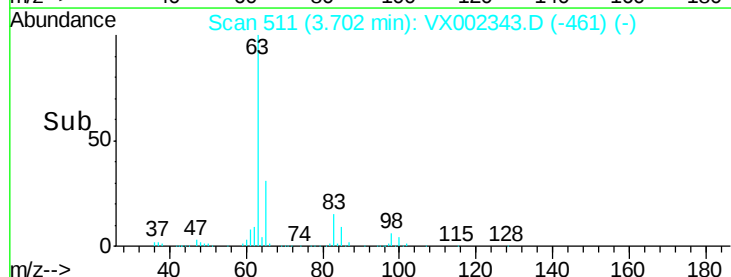
150000

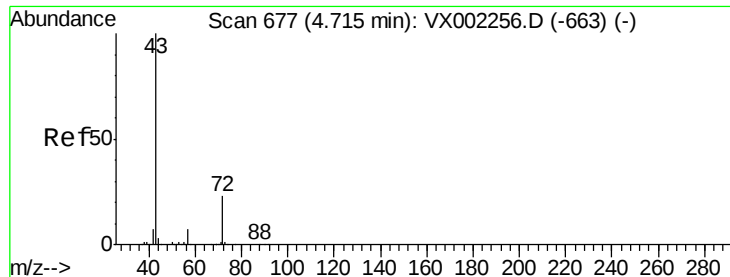
100000

50000

0

Time--> 3.60 3.70 3.80 3.90





#25

2-Butanone

Concen: 231.93 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 524382

Ion Ratio Lower Upper

43 100

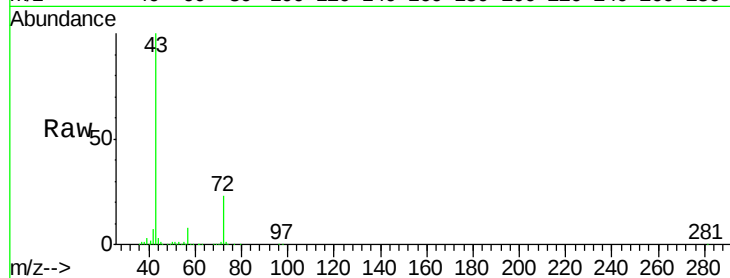
72 23.3 18.5 27.7

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

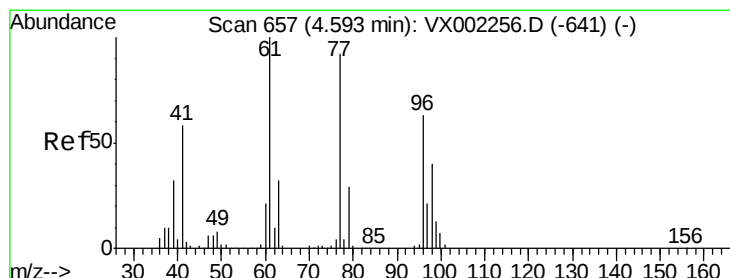
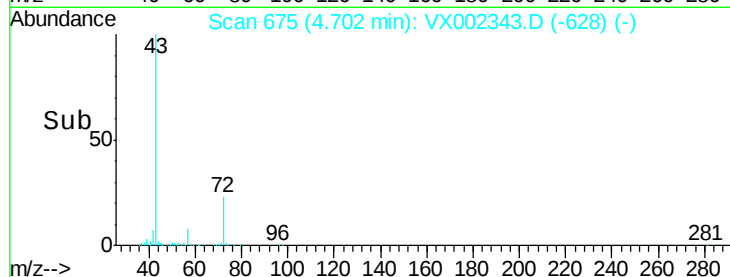
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 45.37 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002343.D

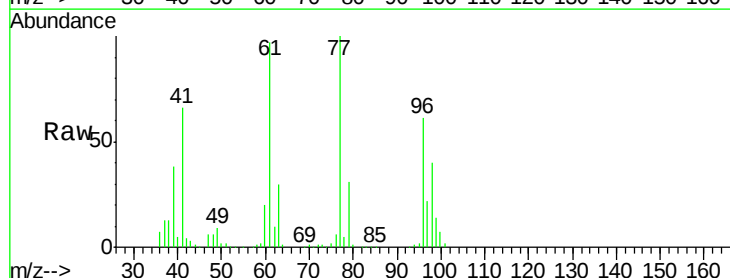
Acq: 06 Jun 2018 10:19

Tgt Ion: 77 Resp: 186736

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

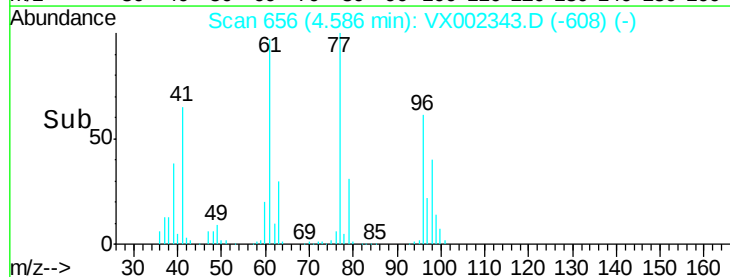
40000

20000

0

4.40 4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 47.85 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002343.D

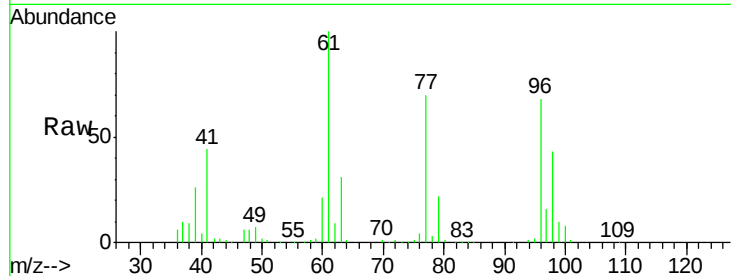
Acq: 06 Jun 2018 10:19

Tot Ion:	96	Resp:	140873
Ion	Ratio	Lower	Upper
96	100		
61	153.4	0.0	330.2
98	63.9	0.0	130.2

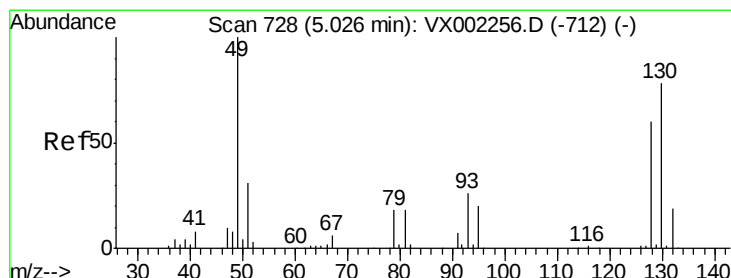
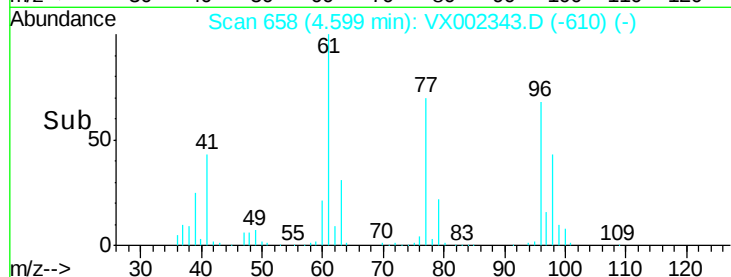
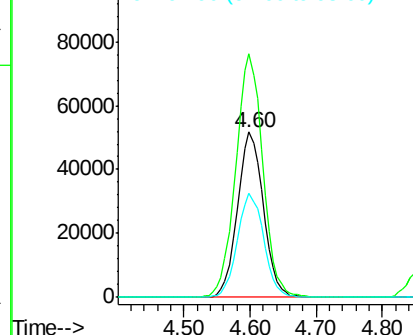
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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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



#28

Bromochloromethane

Concen: 56.89 ug/l

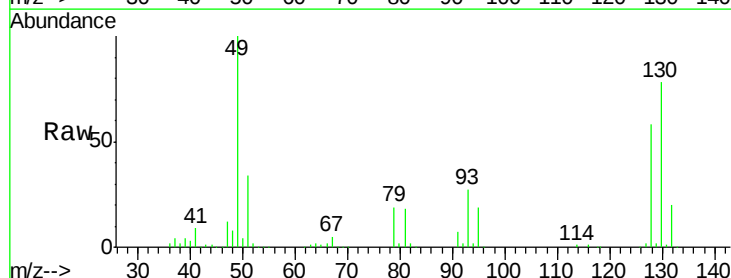
RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

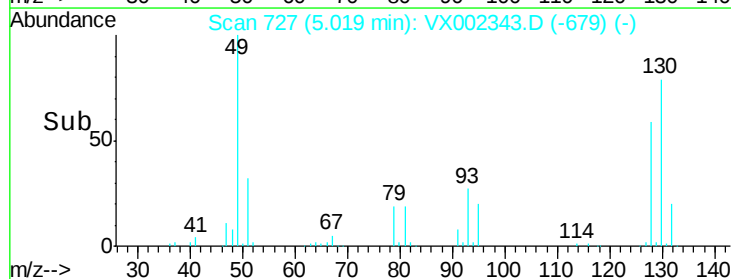
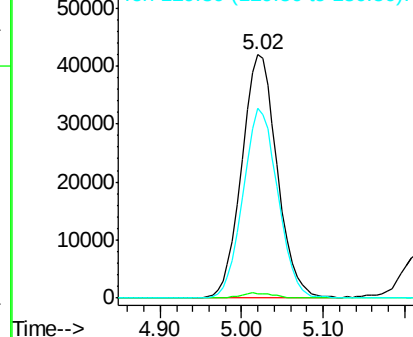
Lab File: VX002343.D

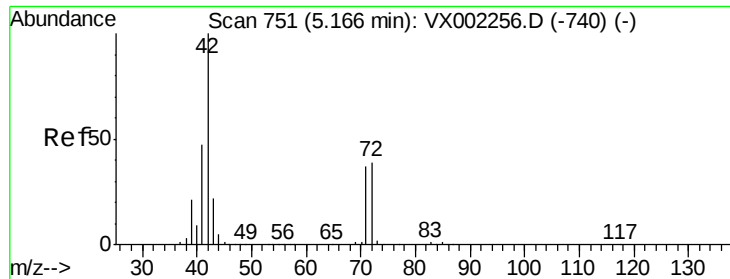
Acq: 06 Jun 2018 10:19

Tgt Ion:	49	Resp:	126306
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	76.9	61.2	91.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





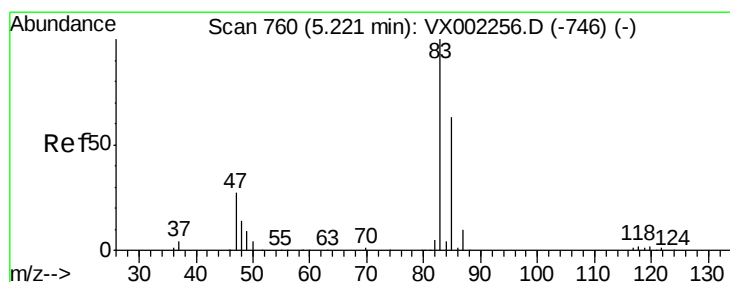
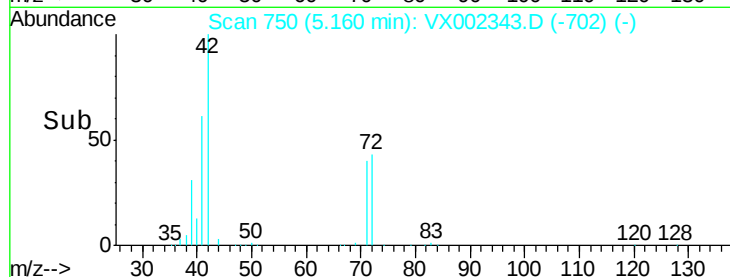
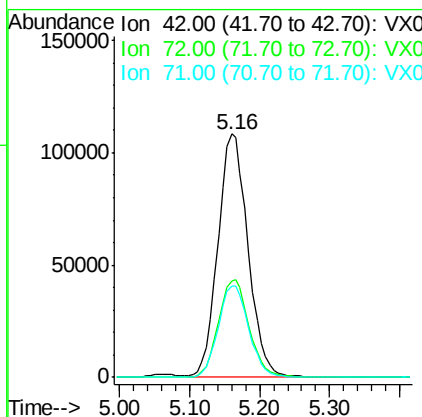
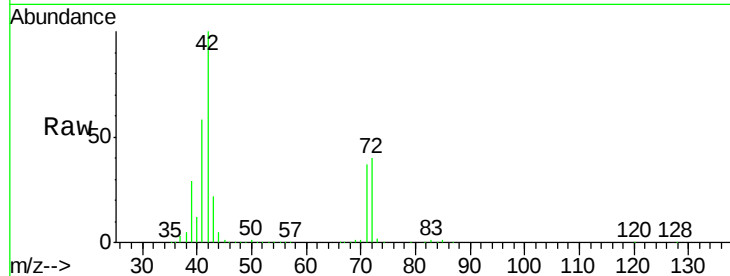
#29
Tetrahydrofuran
Concen: 220.83 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.0	48.0
71	38.3	30.1	45.1

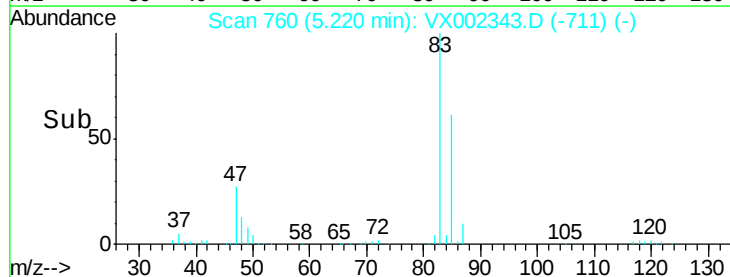
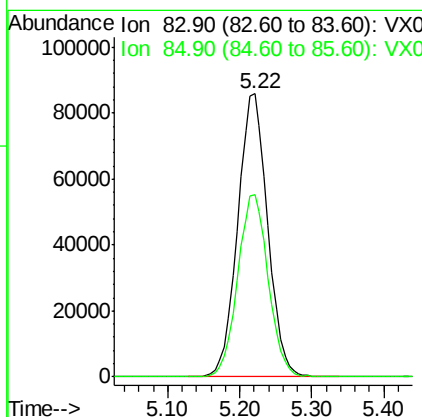
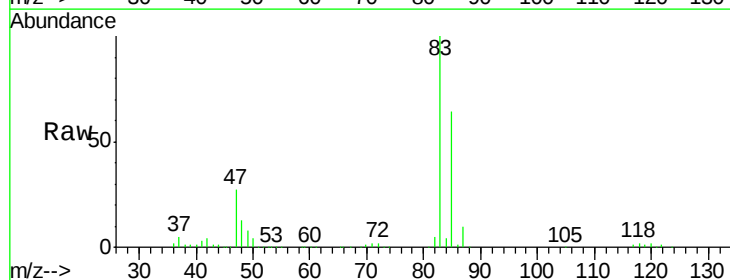
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#30
Chloroform
Concen: 48.77 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.4	75.6





#31

Cyclohexane

Concen: 49.59 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

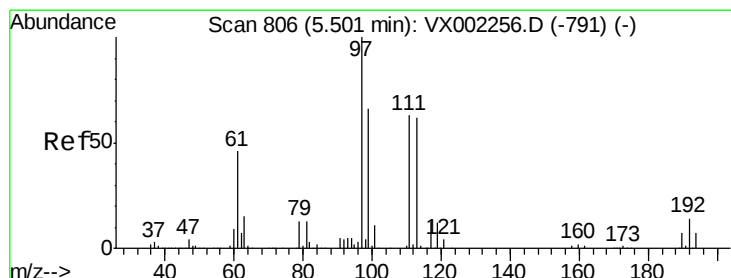
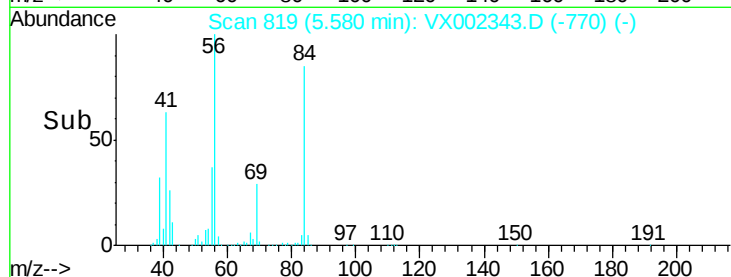
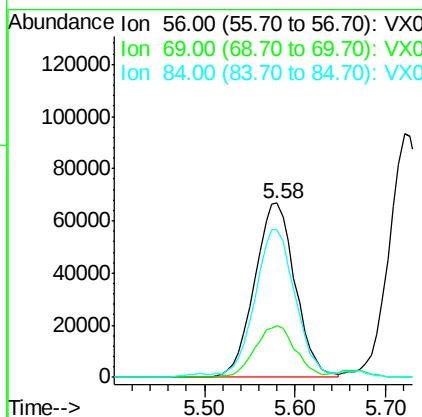
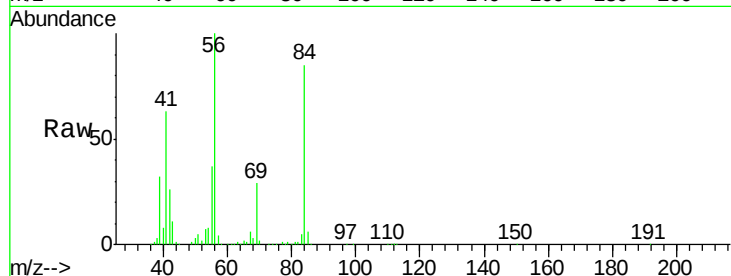
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	206473
Ion Ratio	Lower	Upper	
56	100		
69	29.4	23.7	35.5
84	83.6	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 48.54 ug/l

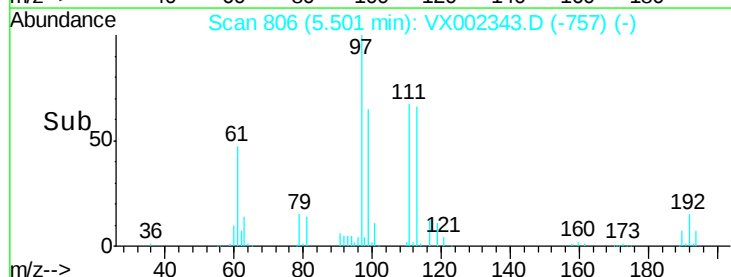
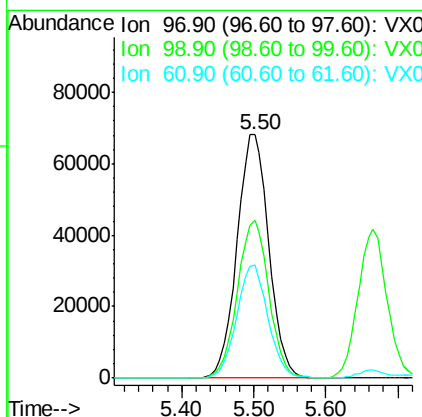
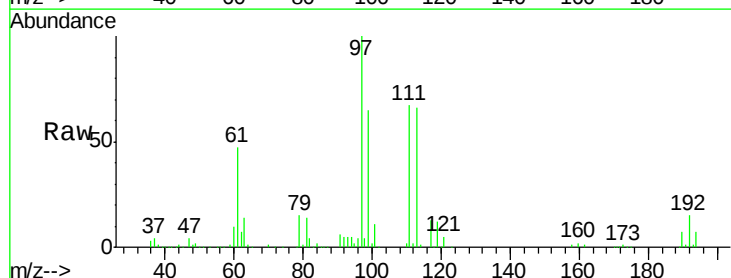
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Tgt Ion:	97	Resp:	209136
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.6	77.4
61	45.8	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 51.47 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 169378

Ion Ratio Lower Upper

65 100

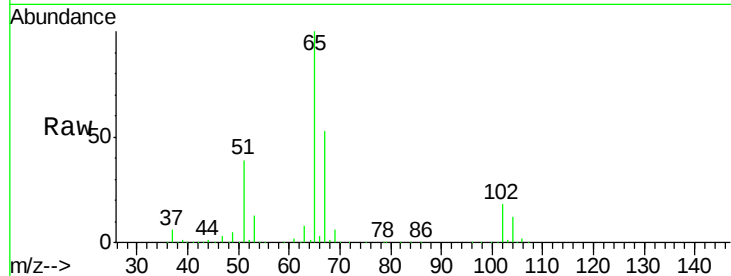
67 52.0 0.0 102.6

Manual Integrations

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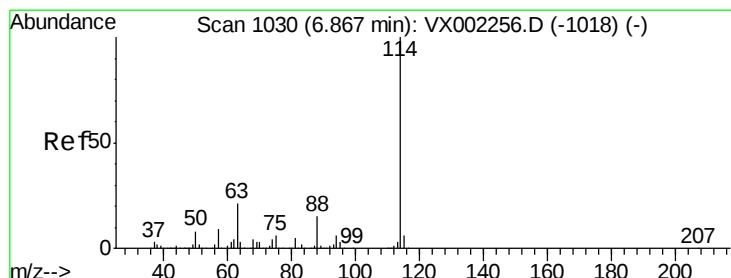
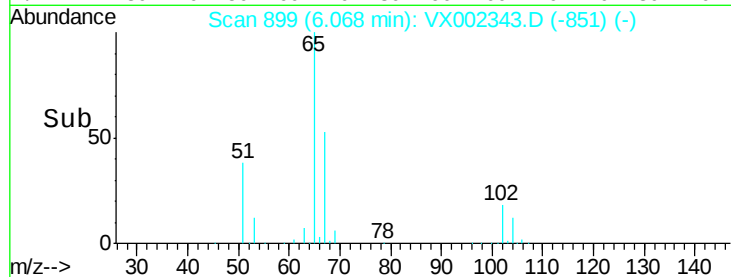
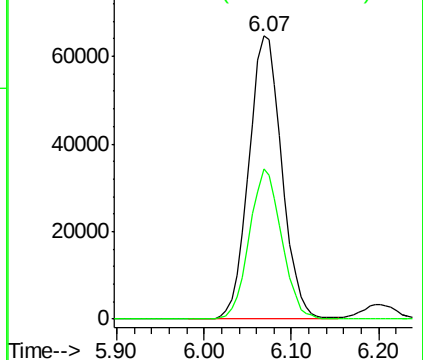
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

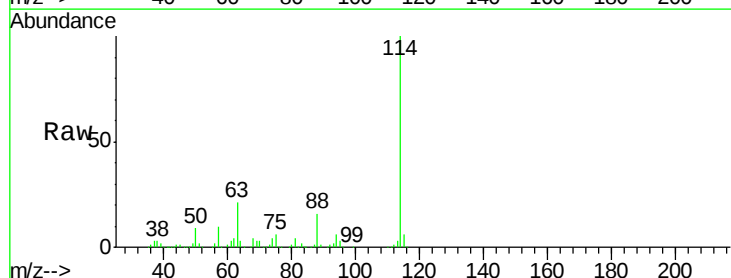
Tgt Ion: 114 Resp: 336984

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.4

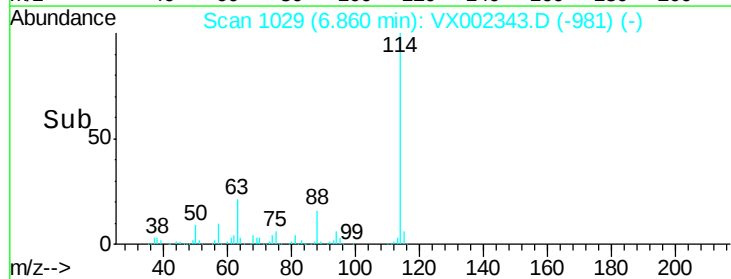
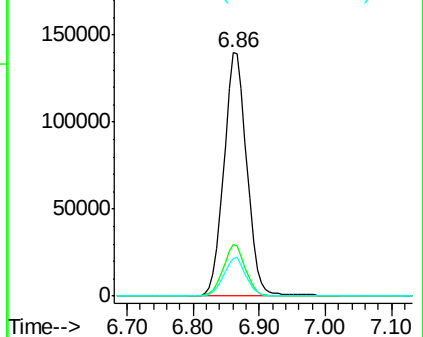
88 15.6 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





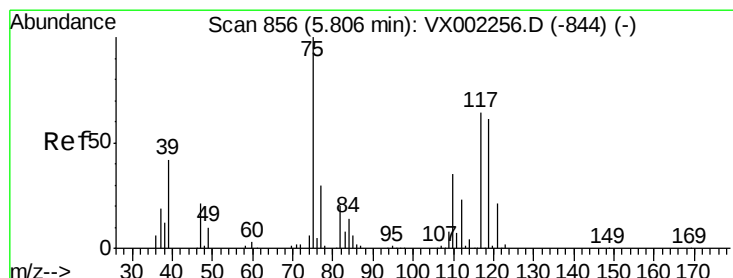
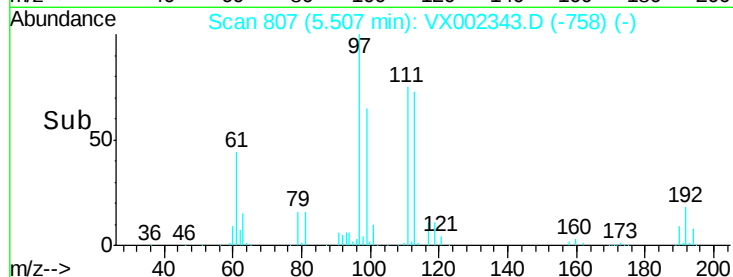
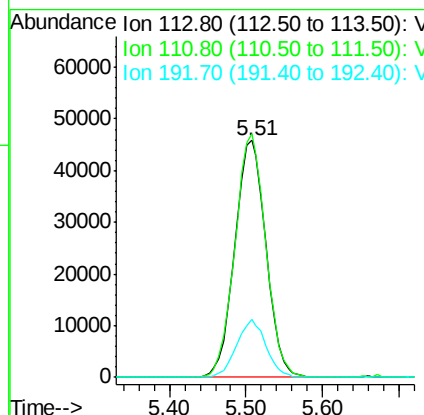
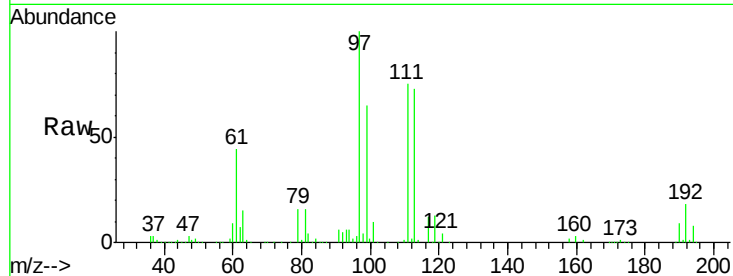
#35
Dibromofluoromethane
Concen: 48.84 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129434		
111	101.5	81.4	122.0	
192	23.1	19.1	28.7	

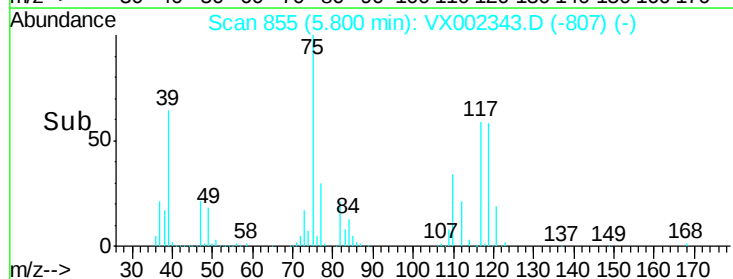
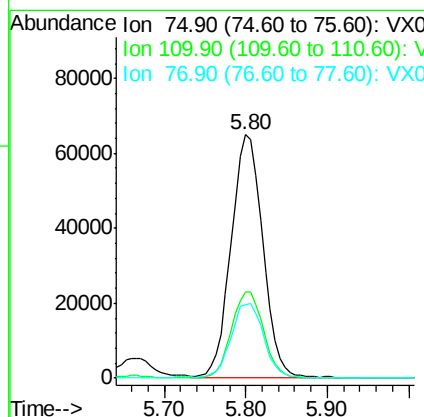
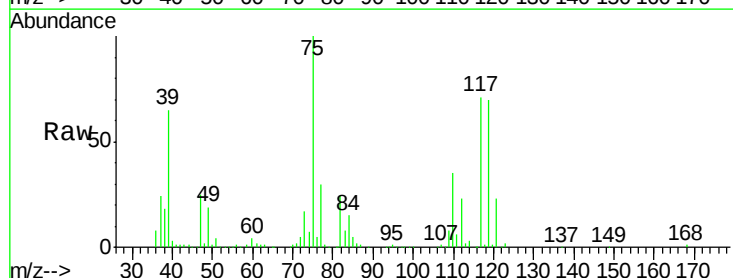
Manual Integrations
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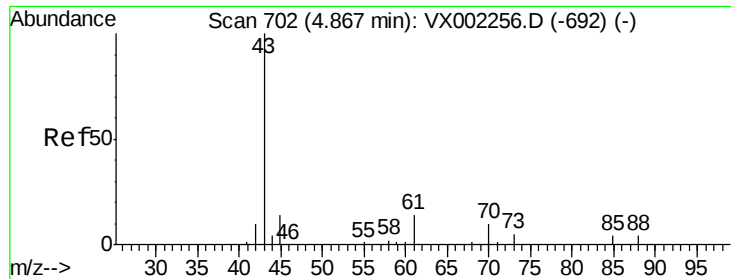
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#36
1,1-Dichloropropene
Concen: 49.16 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.01 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	174173		
110	35.9	18.1	54.4	
77	31.4	24.3	36.5	





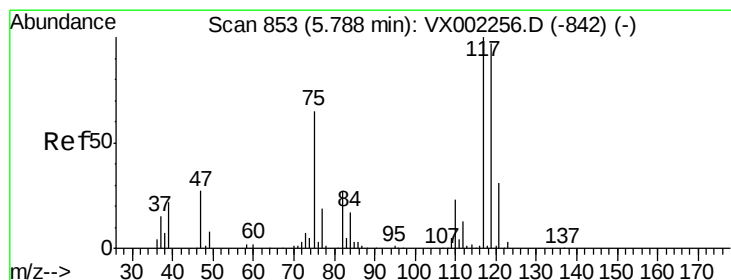
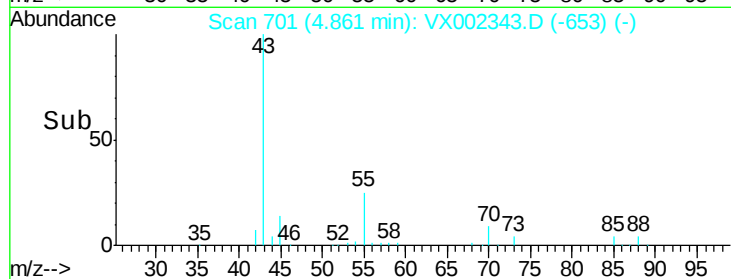
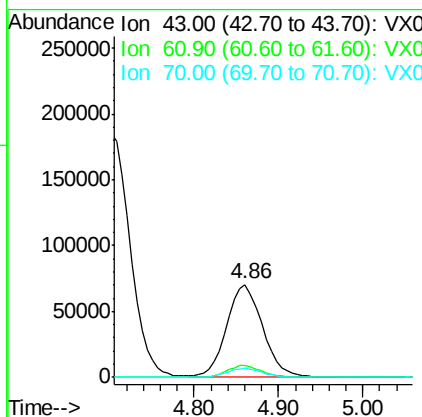
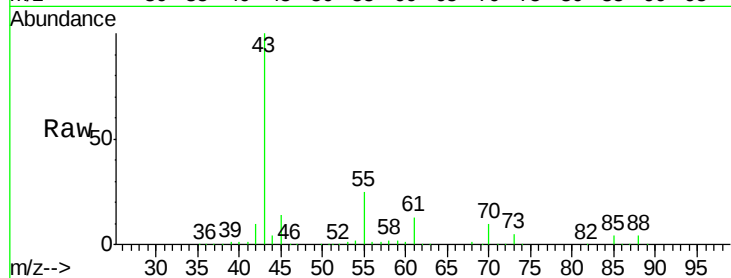
#37
Ethyl Acetate
Concen: 47.46 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.4	15.6
70	9.7	7.6	11.4

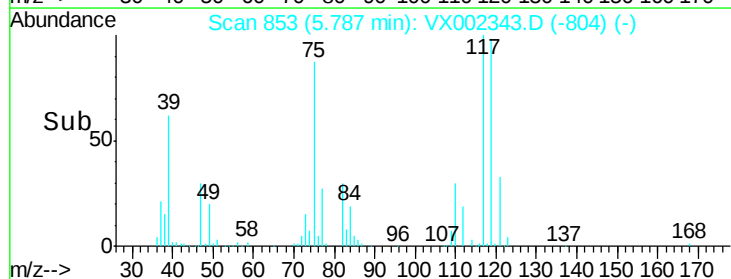
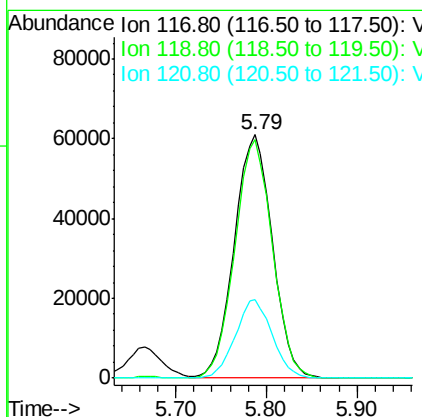
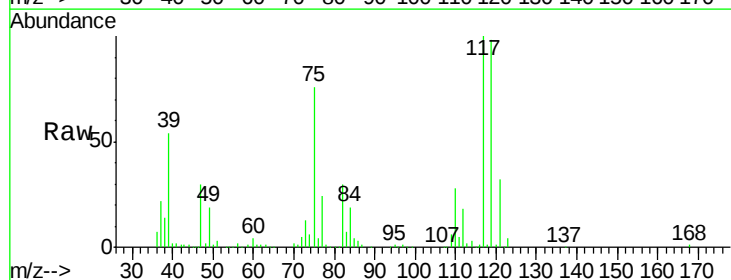
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#38
Carbon Tetrachloride
Concen: 48.01 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.4	116.0
121	32.2	24.4	36.6





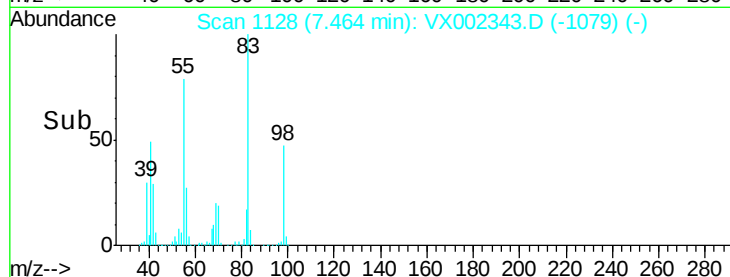
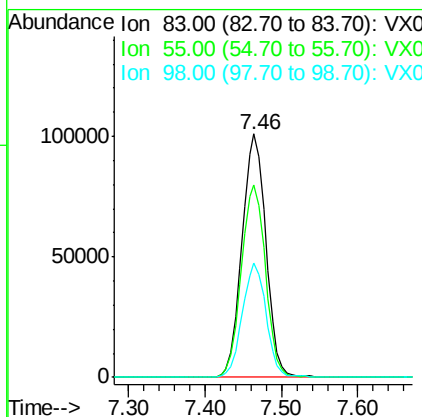
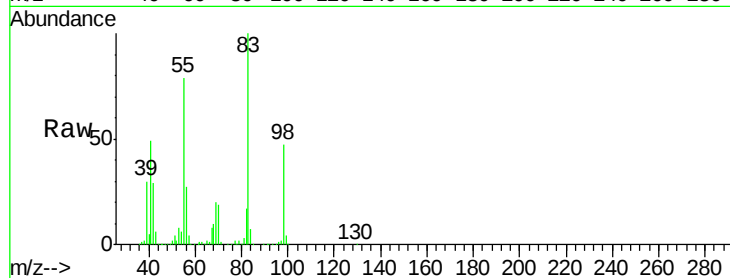
#39
Methvlcvclohexane
Concen: 50.15 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	65.4	98.0
98	47.1	37.4	56.0

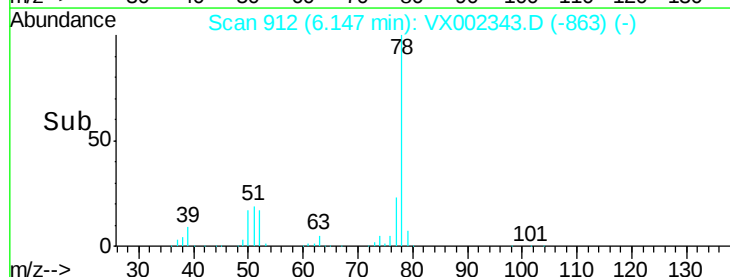
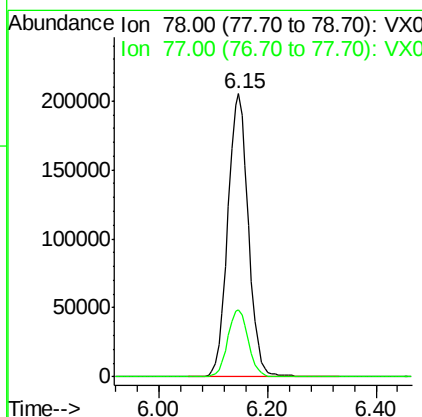
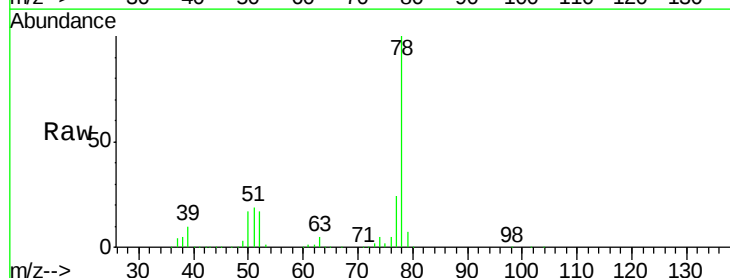
Manual Integrations
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#40
Benzene
Concen: 49.80 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





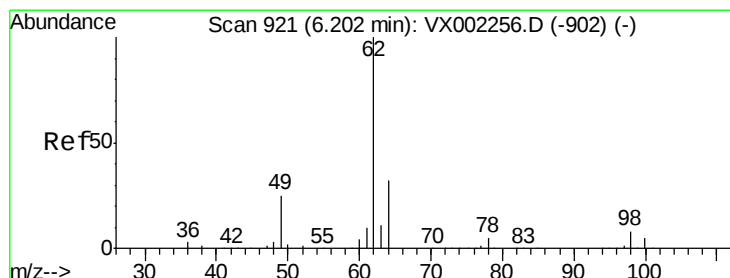
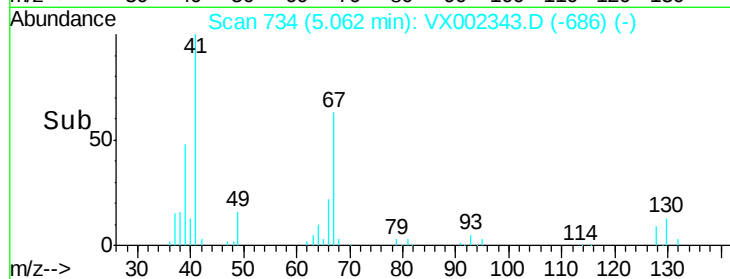
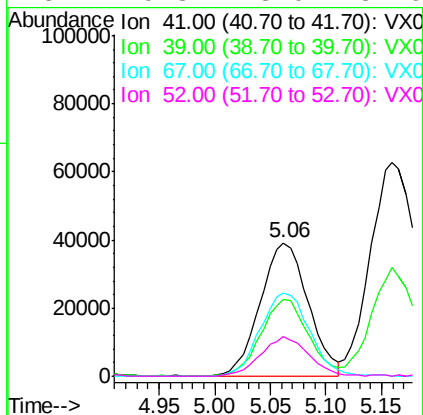
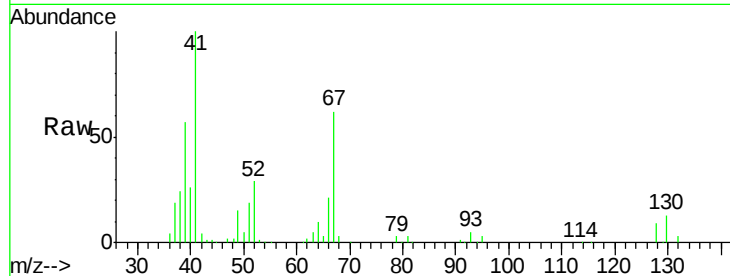
#41
Methacrylonitrile
Concen: 47.96 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.3	45.8	68.6
67	64.7	51.3	76.9
52	29.3	23.0	34.6

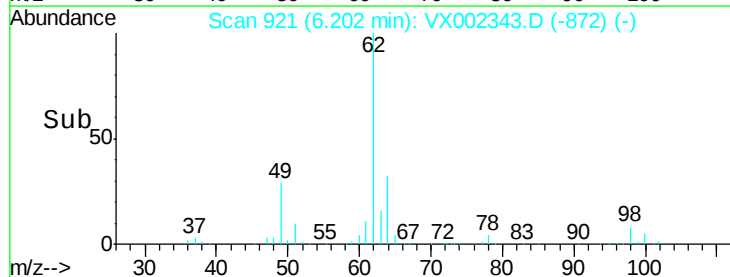
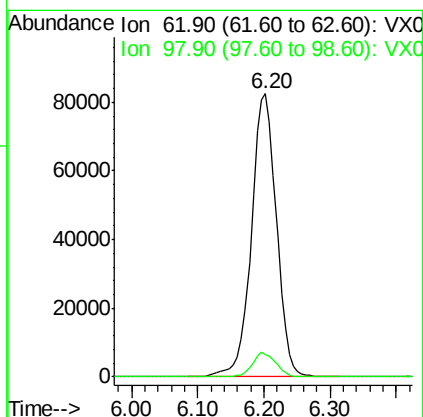
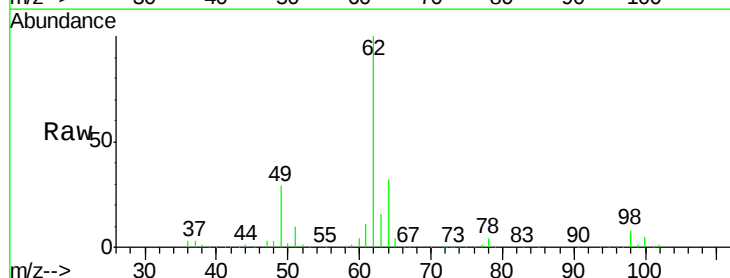
Manual Integrations
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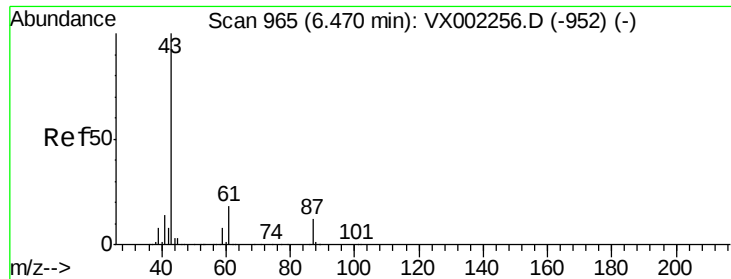
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#42
1,2-Dichloroethane
Concen: 50.47 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6





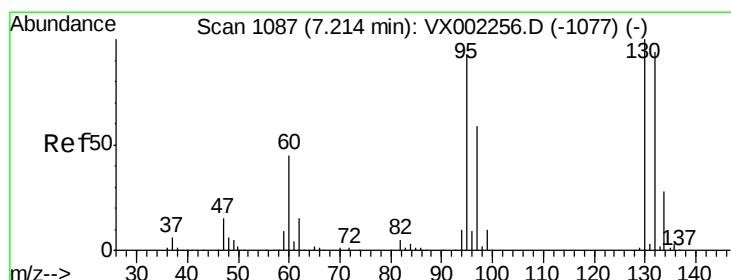
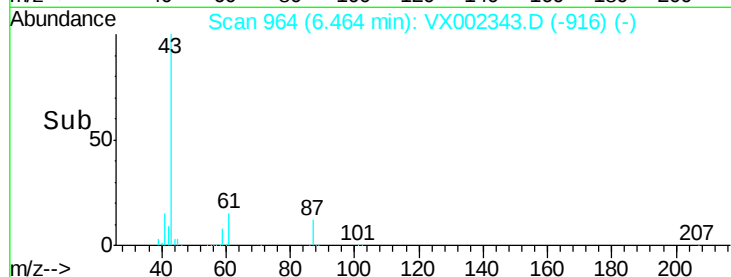
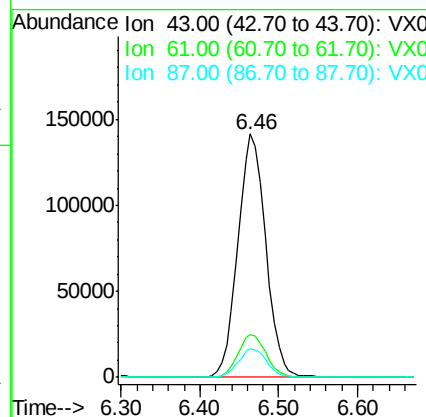
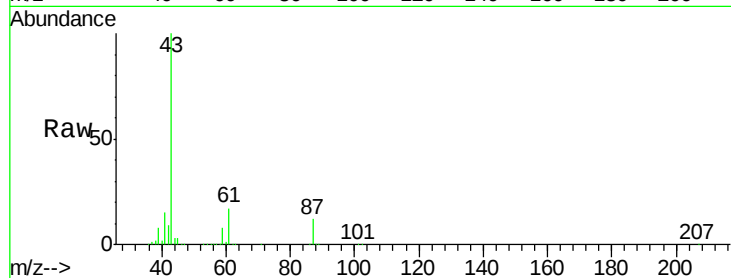
#43
Isopropyl Acetate
Concen: 48.10 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.01 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.4	21.6
87	12.0	9.5	14.3

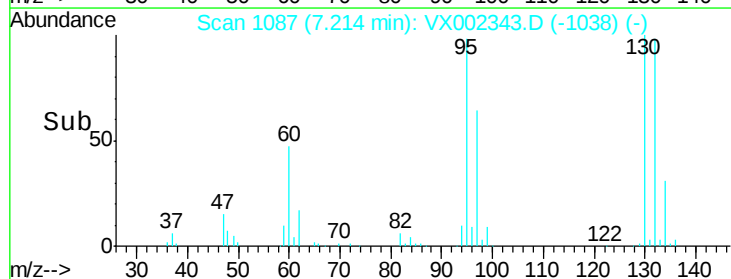
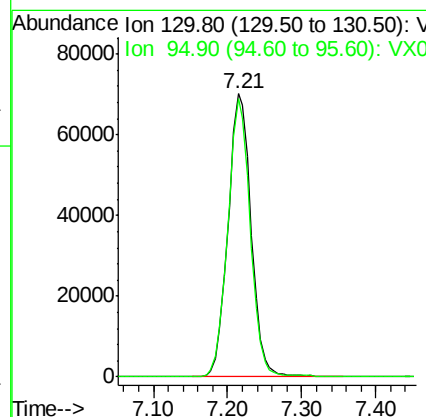
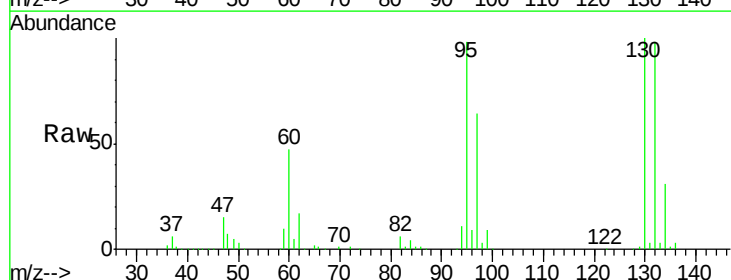
Manual Integrations
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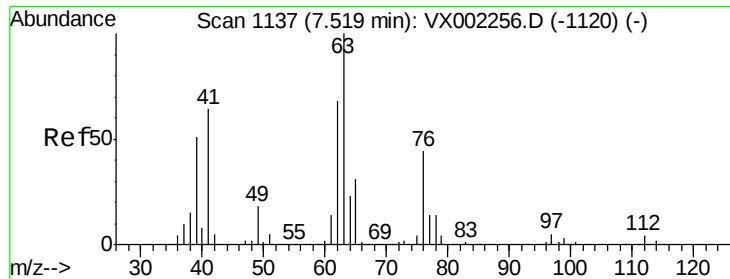
MMDadoda
6/7/2018 11:36:12 AM



#44
Trichloroethene
Concen: 50.41 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	185.4





#45

1,2-Dichloropropane

Concen: 50.32 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 147563

Ion Ratio Lower Upper

63 100

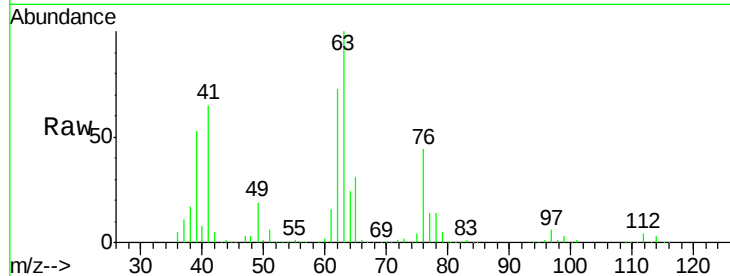
65 31.1 24.7 37.1

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

80000

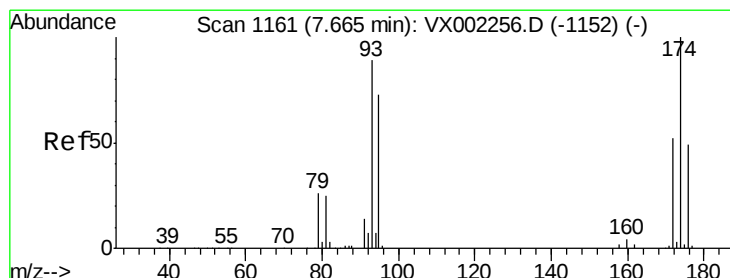
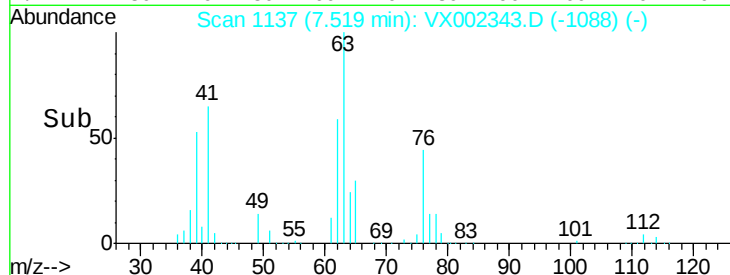
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 50.02 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

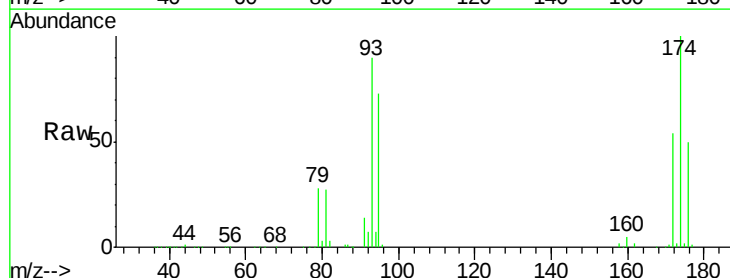
Tgt Ion: 93 Resp: 99438

Ion Ratio Lower Upper

93 100

95 83.3 65.9 98.9

174 114.1 92.4 138.6



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

7.67

80000

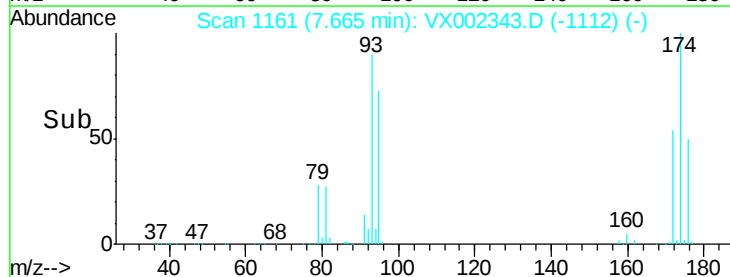
60000

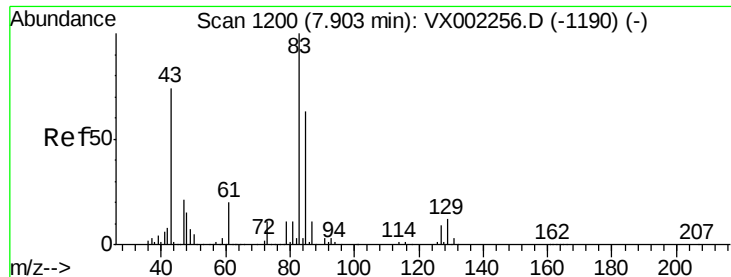
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 50.26 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

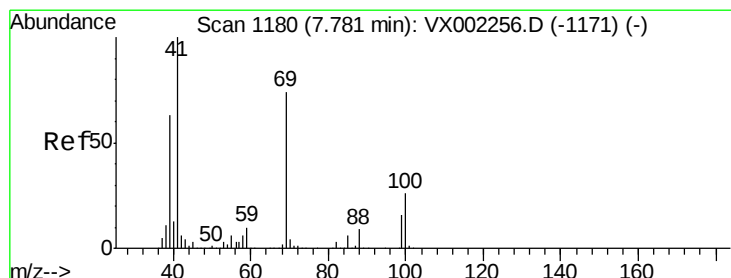
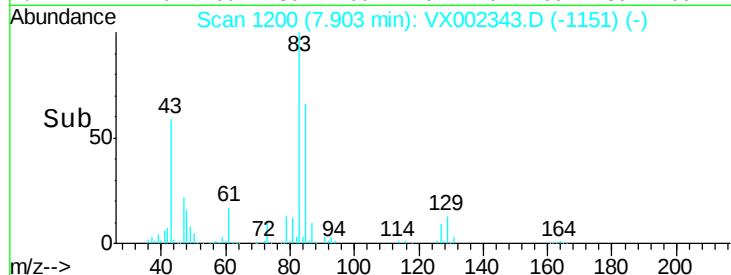
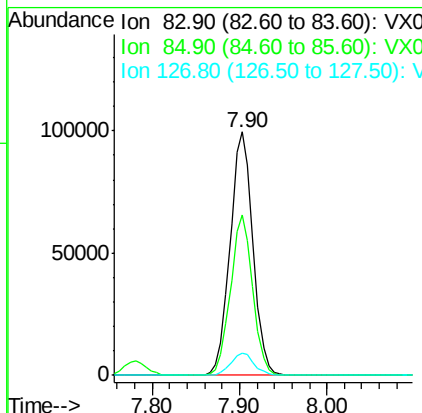
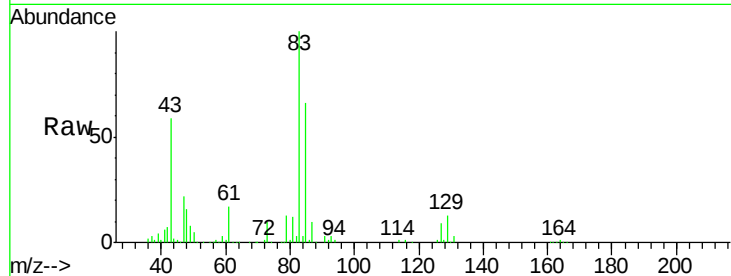
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	180719
Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.3	75.5
127	9.2	7.0	10.4

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#48

Methyl methacrylate

Concen: 48.94 ug/l

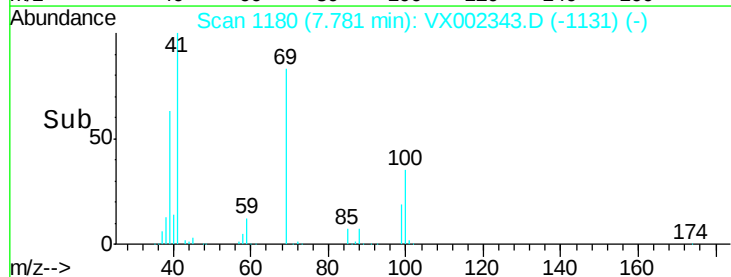
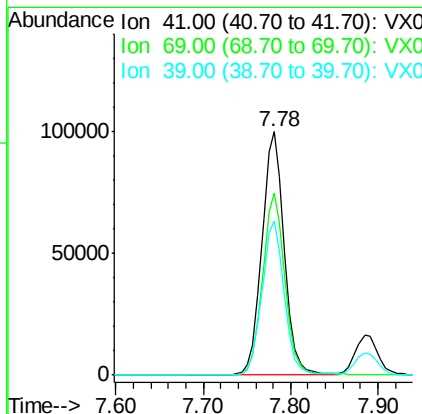
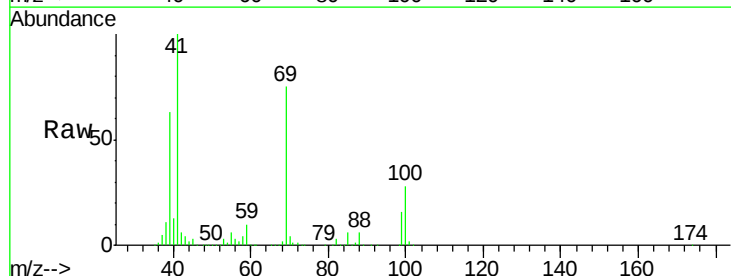
RT: 7.78 min Scan# 1180

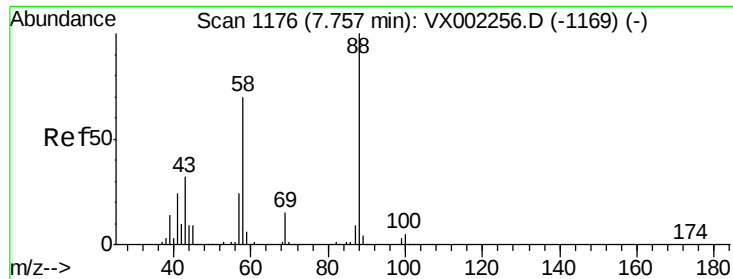
Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Tgt Ion:	41	Resp:	177905
Ion	Ratio	Lower	Upper
41	100		
69	75.5	59.1	88.7
39	63.3	48.9	73.3





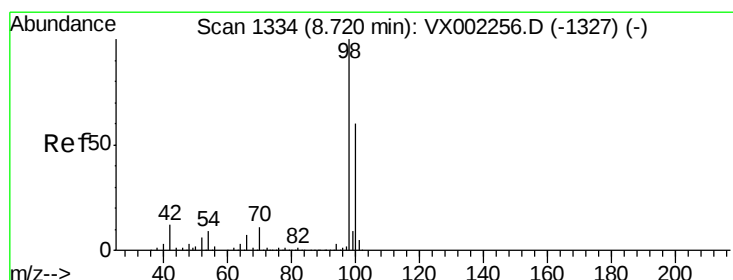
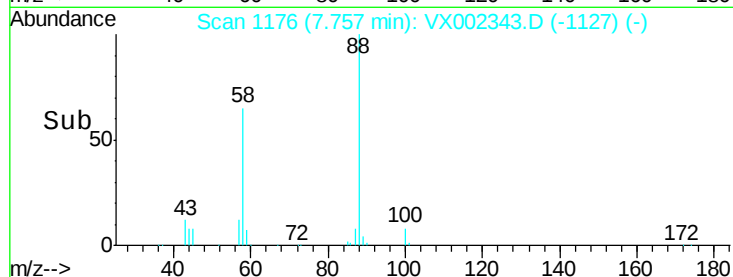
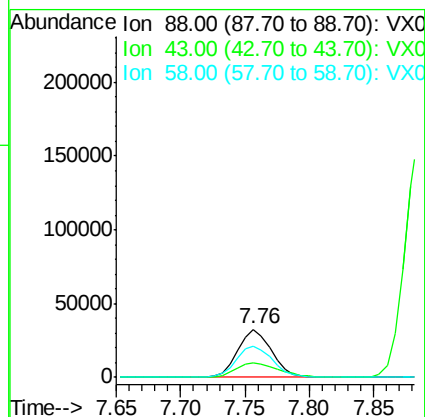
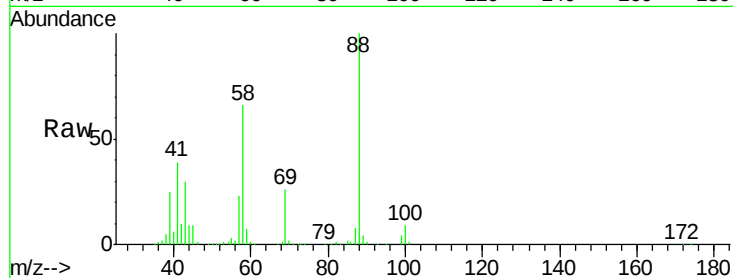
#49
1,4-Dioxane
Concen: 868.81 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	29.8	44.6
58	71.4	57.1	85.7

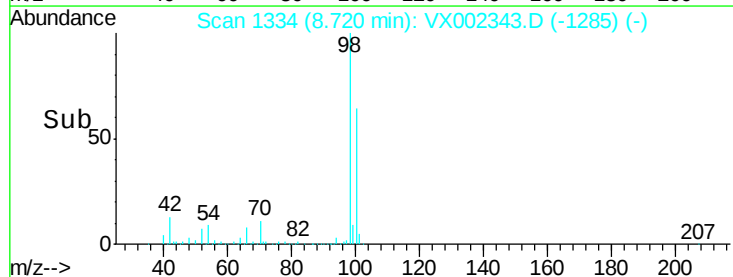
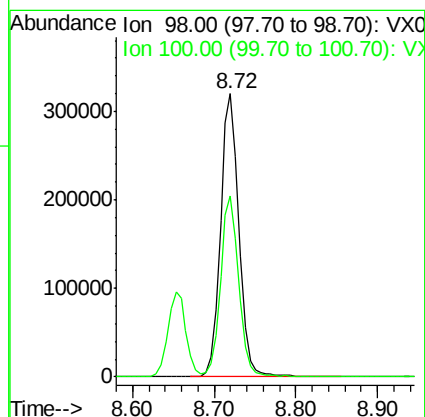
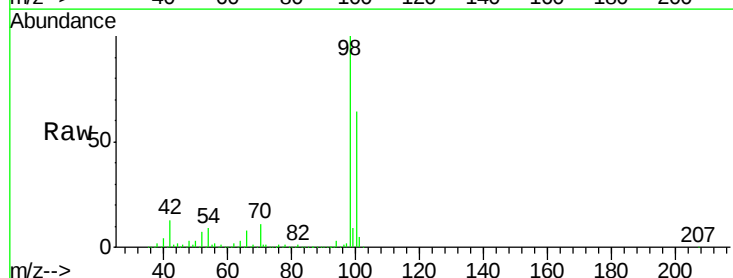
Manual Integrations
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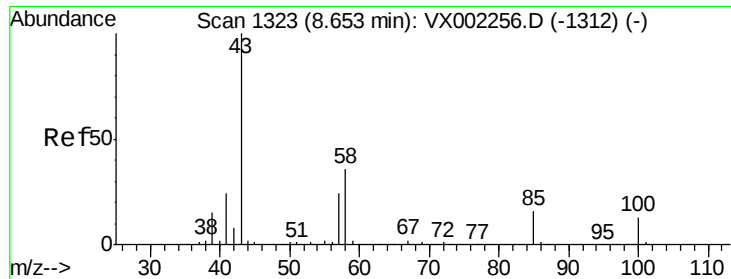
MMDadoda
6/7/2018 11:36:12 AM



#50
Toluene-d8
Concen: 49.50 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 246.92 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1112751

Ion Ratio Lower Upper

43 100

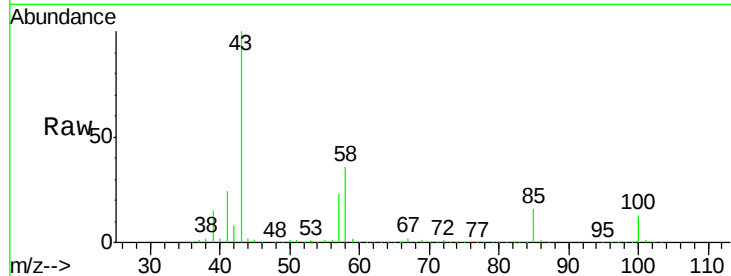
58 35.5 28.6 42.8

Manual Integrations

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6/7/2018 11:36:12 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800000

600000

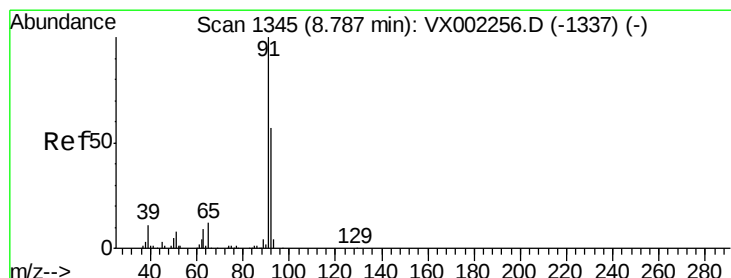
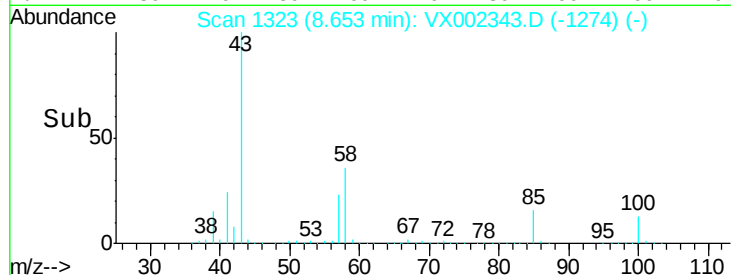
400000

200000

0

8.60 8.65 8.70 8.80

Time-->



#52

Toluene

Concen: 52.04 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002343.D

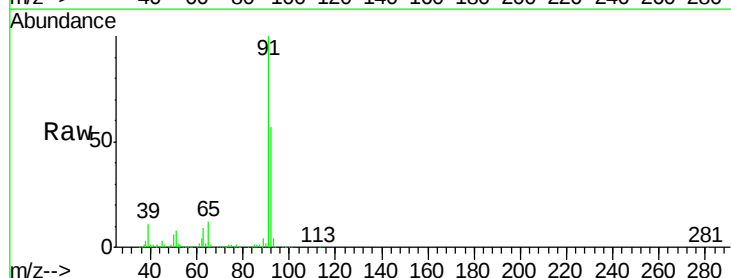
Acq: 06 Jun 2018 10:19

Tgt Ion: 92 Resp: 359542

Ion Ratio Lower Upper

92 100

91 175.2 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

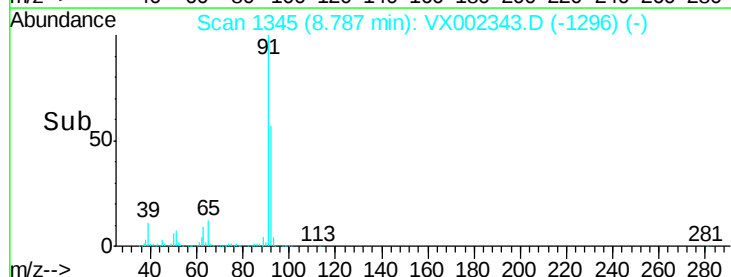
200000

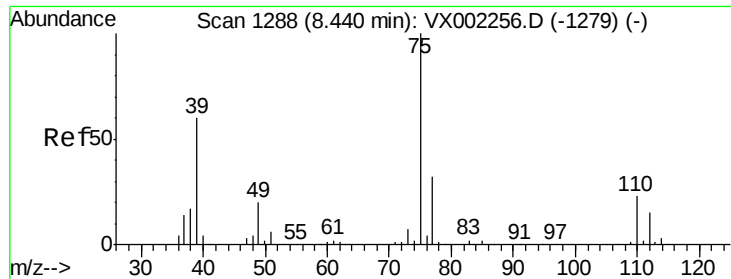
100000

0

8.70 8.75 8.80 8.85 8.90 9.00

Time-->





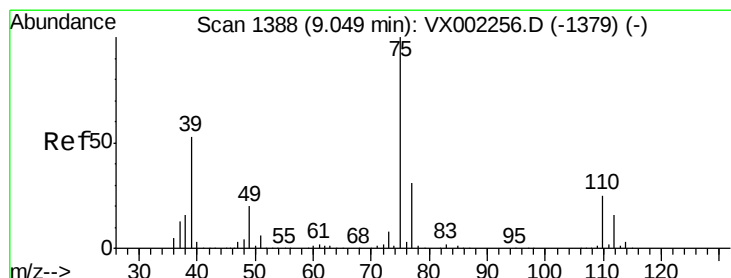
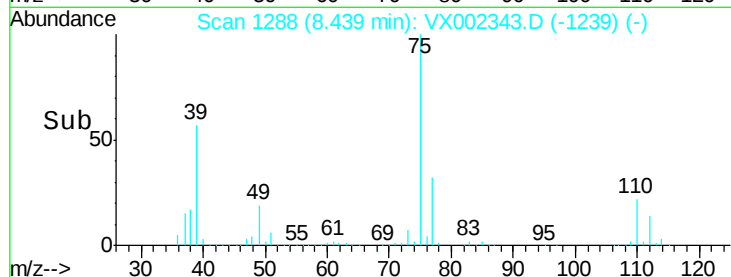
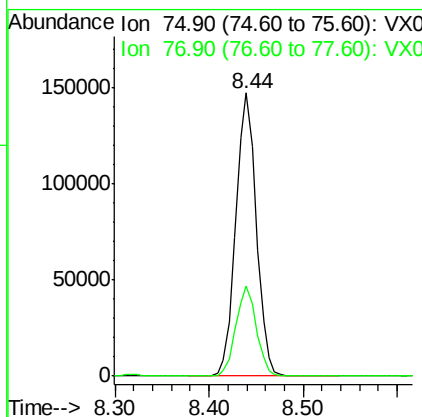
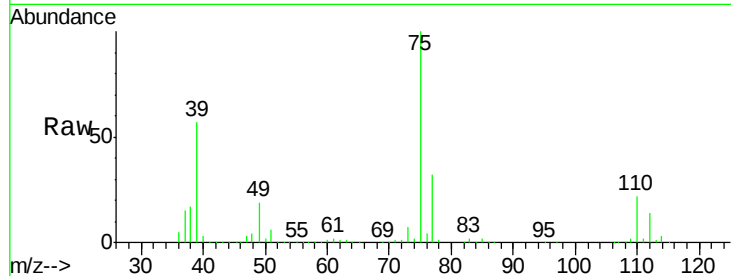
#53
t-1,3-Dichloropropene
Concen: 51.68 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 222817
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2

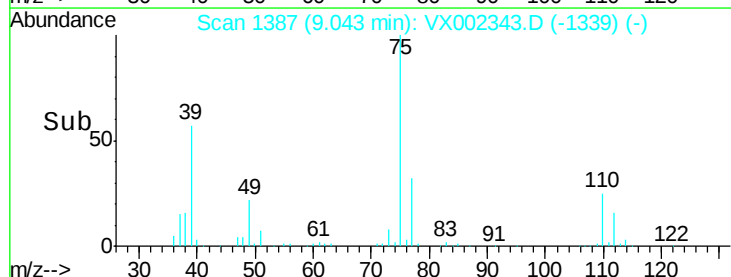
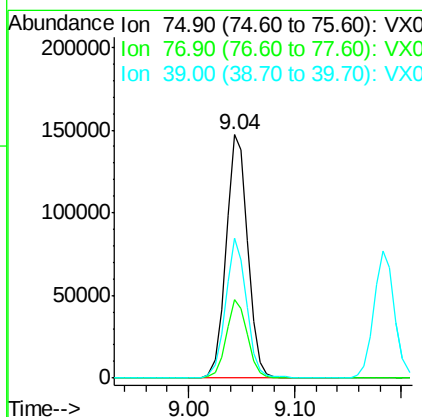
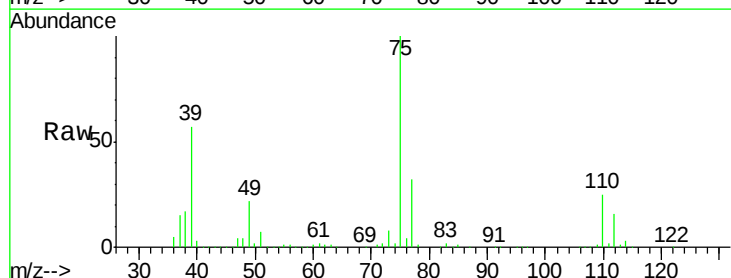
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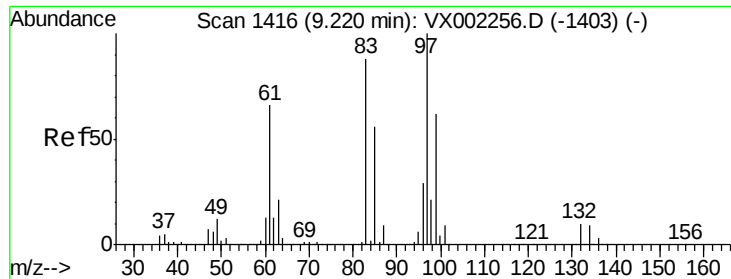
MMDadoda
6/7/2018 11:36:12 AM



#54
cis-1,3-Dichloropropene
Concen: 51.24 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion: 75 Resp: 208433
Ion Ratio Lower Upper
75 100
77 32.0 24.8 37.2
39 57.3 42.4 63.6





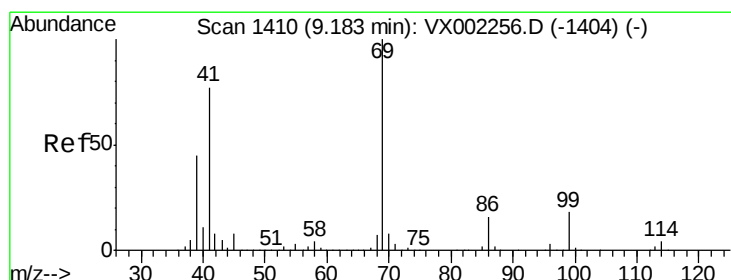
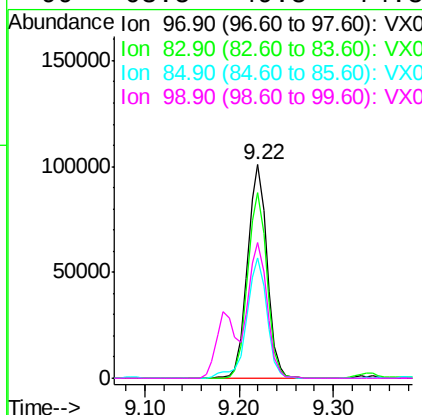
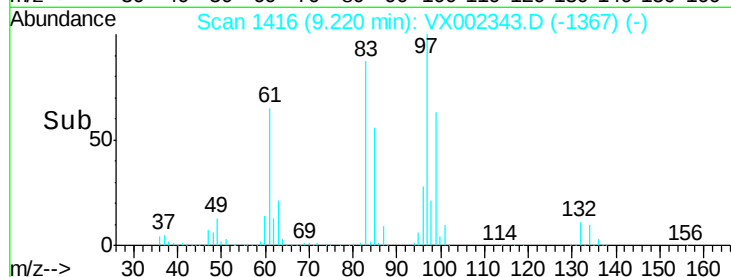
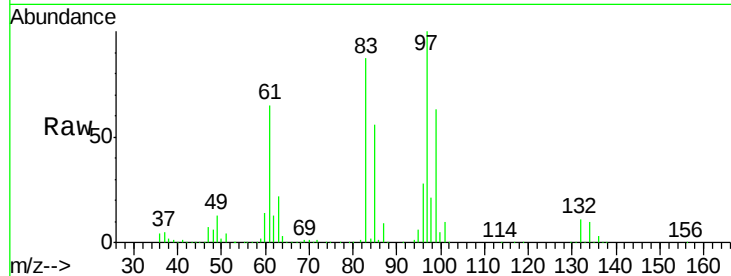
#55
 1,1,2-Trichloroethane
 Concen: 51.86 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002343.D
 Acq: 06 Jun 2018 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	147362
Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.2	105.2
85	56.1	44.9	67.3
99	63.5	49.8	74.8

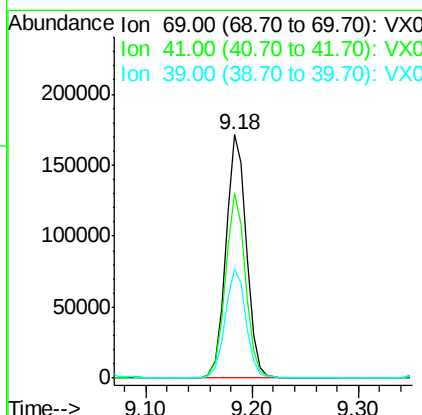
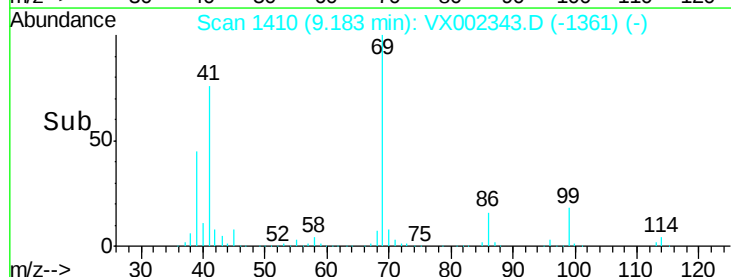
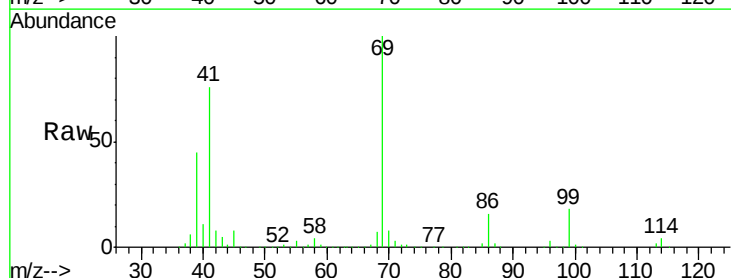
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#56
 Ethyl methacrylate
 Concen: 51.00 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002343.D
 Acq: 06 Jun 2018 10:19

Tgt Ion:	69	Resp:	231378
Ion	Ratio	Lower	Upper
69	100		
41	74.4	60.3	90.5
39	45.2	35.8	53.8





#57

1,3-Dichloropropane

Concen: 51.55 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 245739

Ion Ratio Lower Upper

76 100

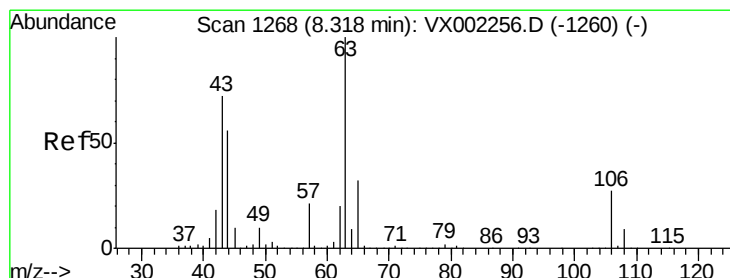
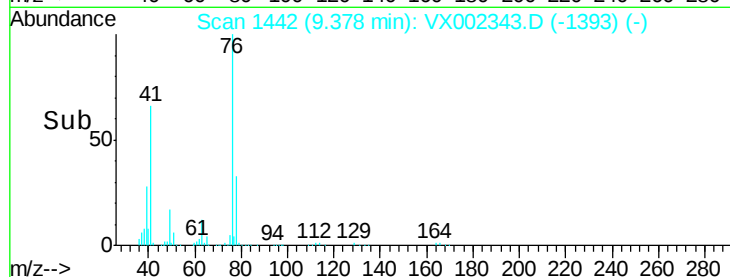
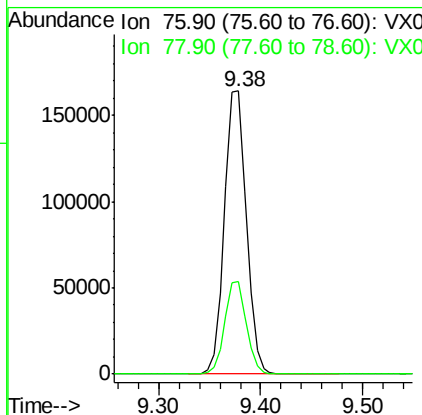
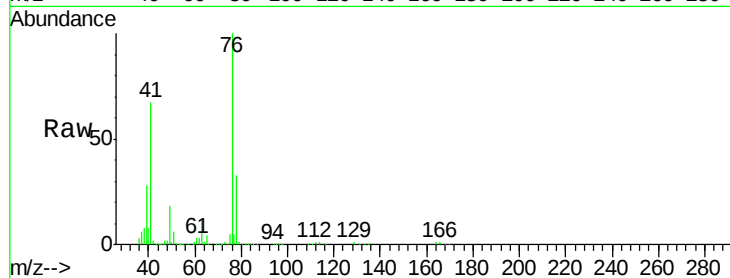
78 32.0 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 257.77 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002343.D

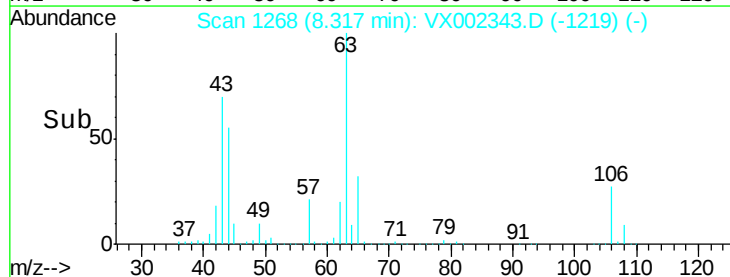
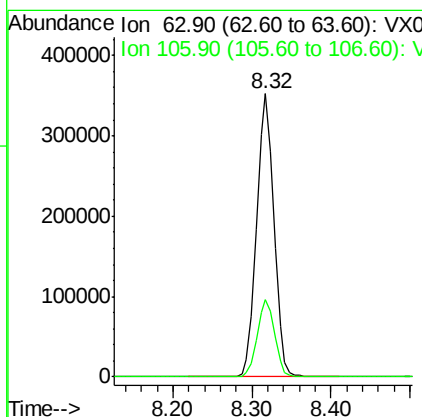
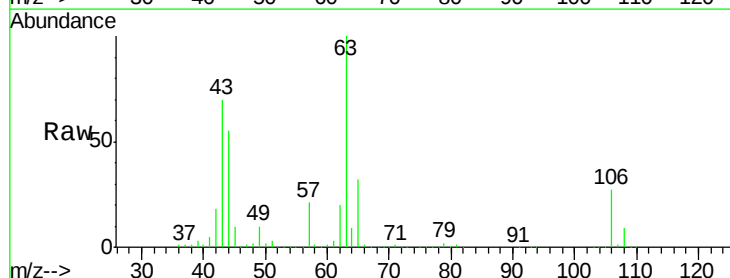
Acq: 06 Jun 2018 10:19

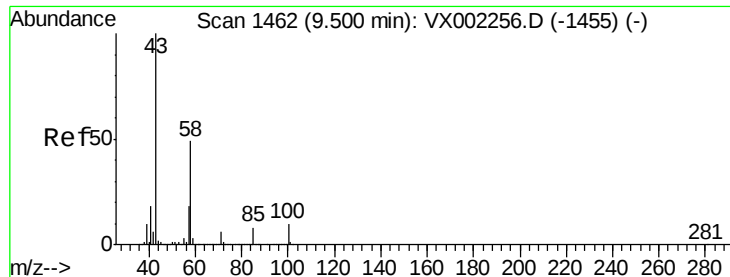
Tgt Ion: 63 Resp: 541224

Ion Ratio Lower Upper

63 100

106 27.5 21.8 32.8





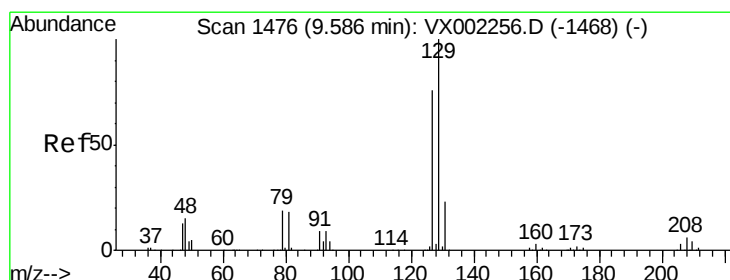
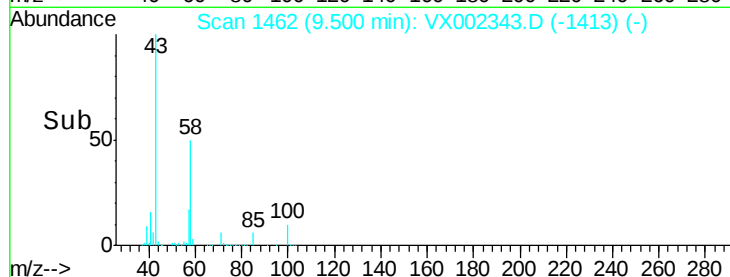
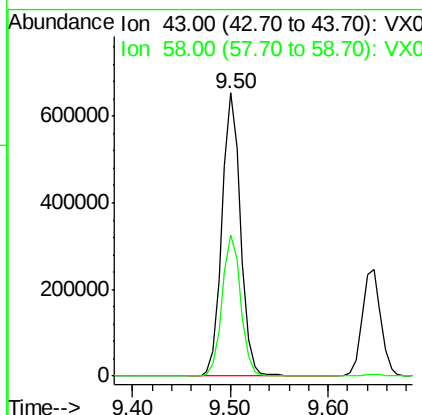
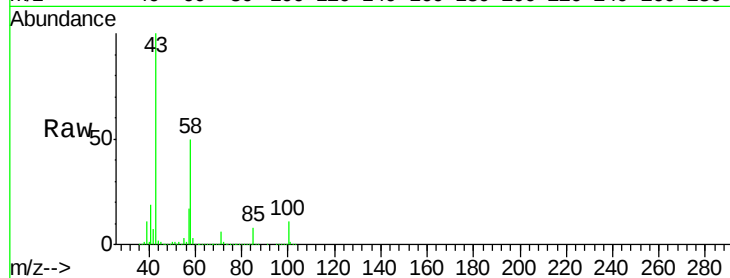
#59
2-Hexanone
Concen: 247.02 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.1	24.6	73.6

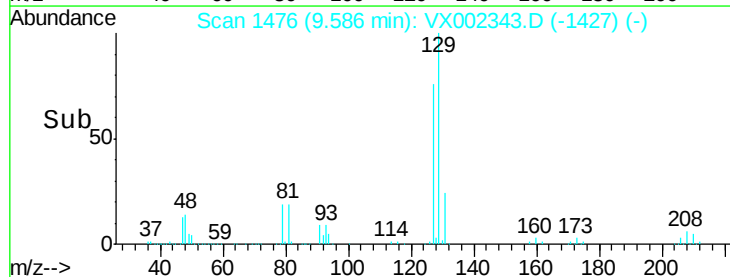
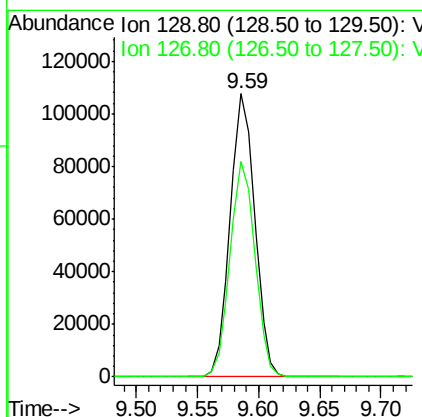
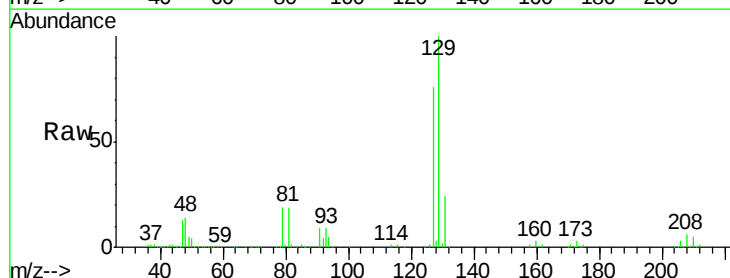
Manual Integrations
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#60
Dibromochloromethane
Concen: 52.66 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.5	115.3





#61

1,2-Dibromoethane

Concen: 52.99 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 156991

Ion Ratio Lower Upper

107 100

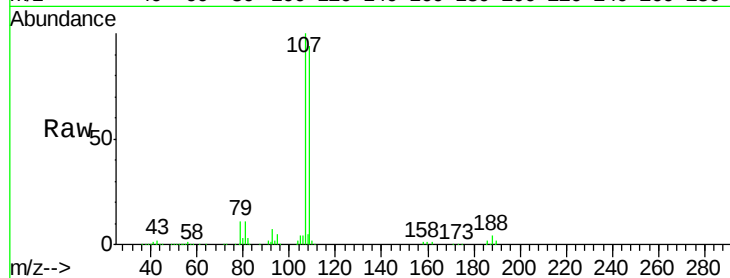
109 93.5 75.3 112.9

Manual Integrations

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6/7/2018 11:36:12 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

120000

100000

80000

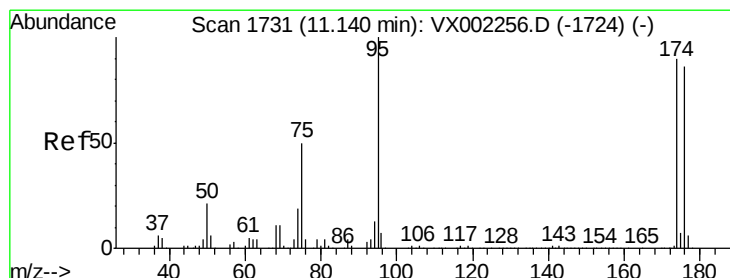
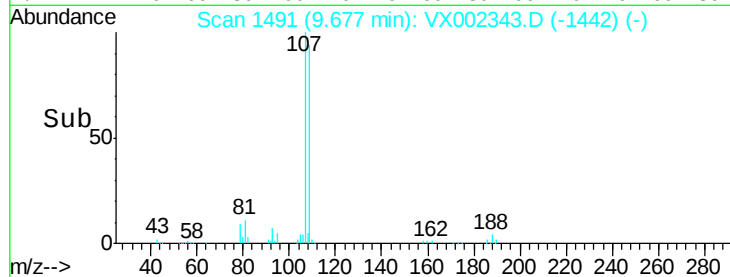
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

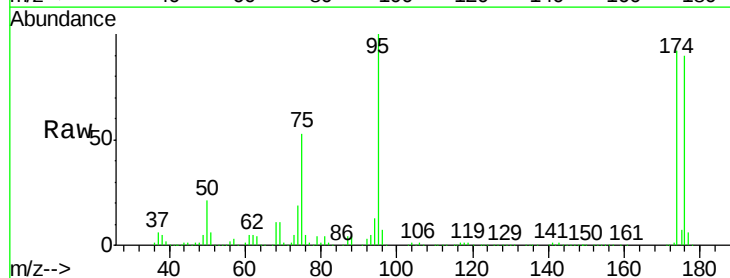
Tgt Ion: 95 Resp: 199523

Ion Ratio Lower Upper

95 100

174 95.1 0.0 187.4

176 93.5 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

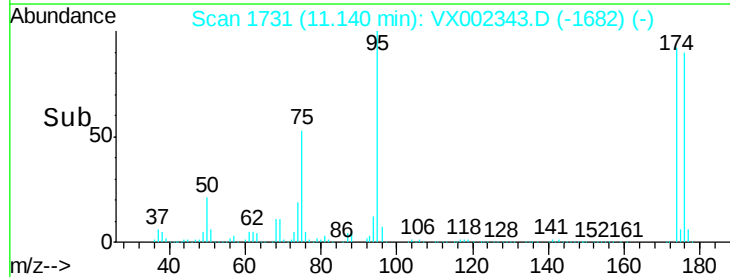
150000

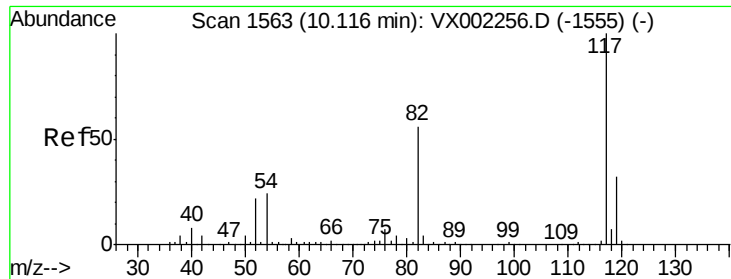
100000

50000

0

Time-->





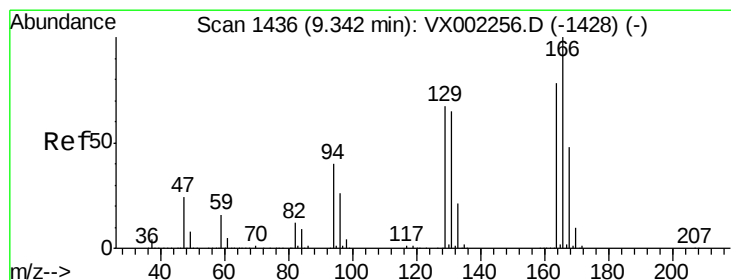
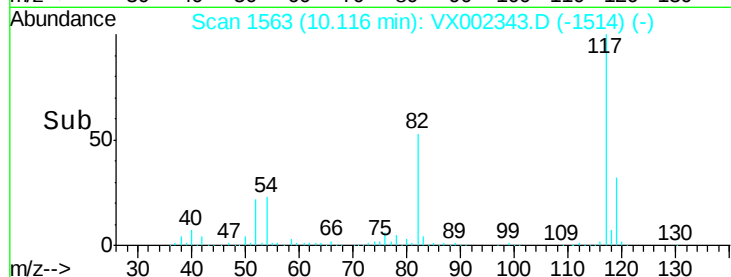
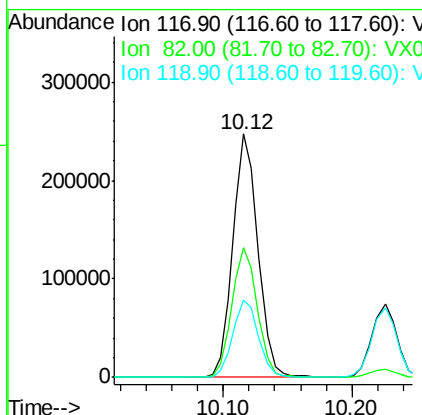
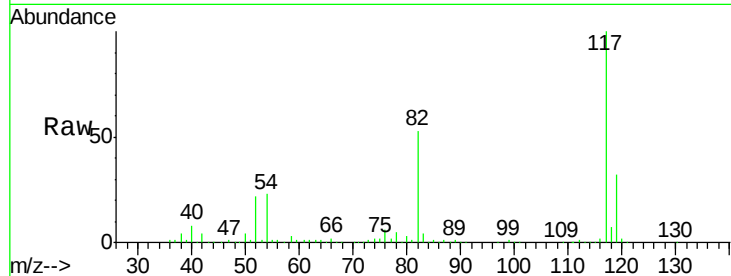
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	336818		
82	53.1	45.0	67.4	
119	31.9	25.8	38.6	

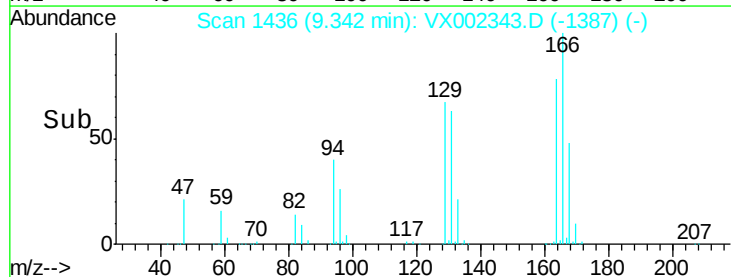
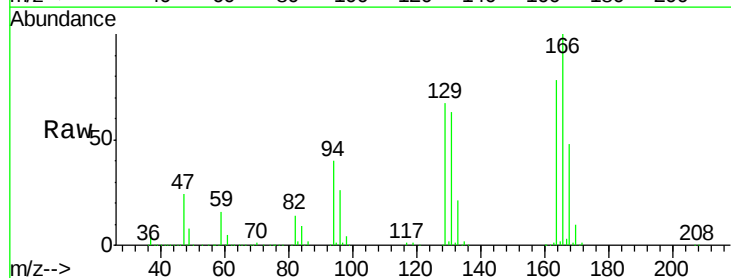
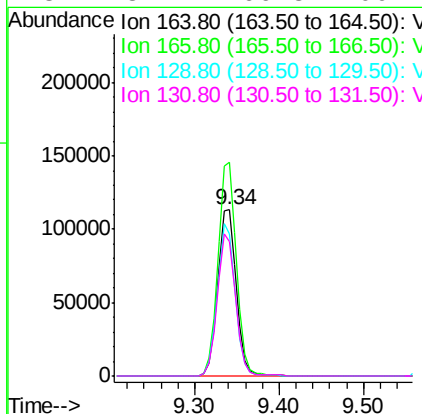
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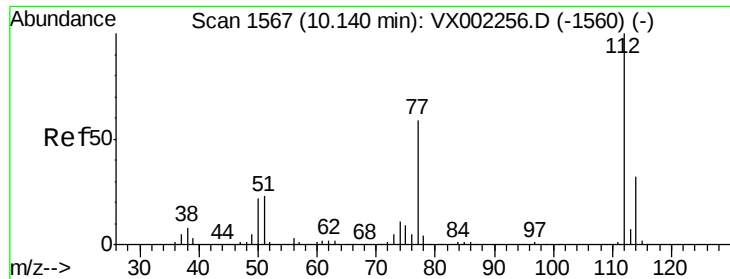
MMDadoda
6/7/2018 11:36:12 AM



#64
Tetrachloroethene
Concen: 49.97 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	173573		
166	128.7	102.9	154.3	
129	85.6	68.6	102.8	
131	81.2	66.8	100.2	





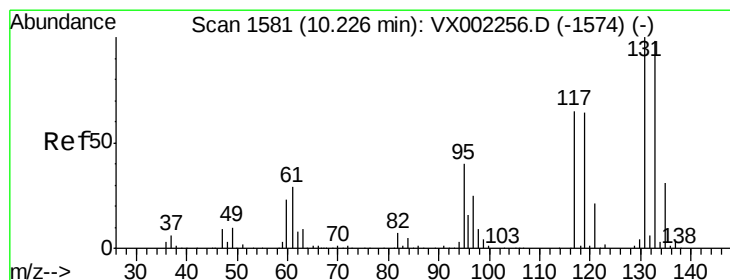
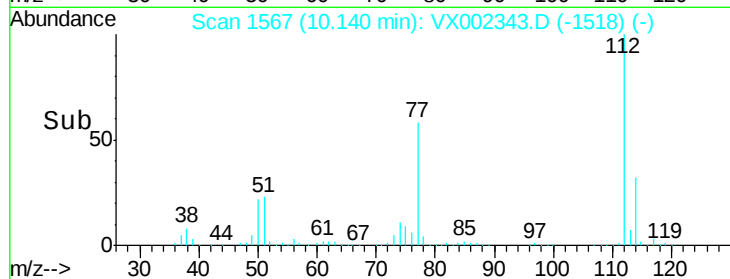
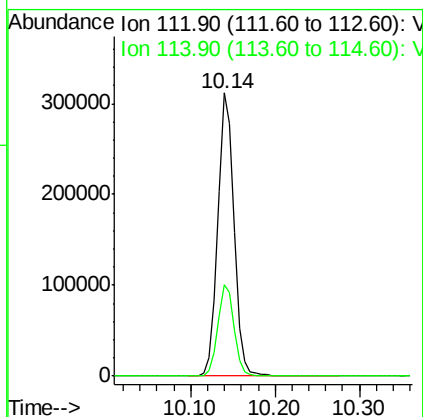
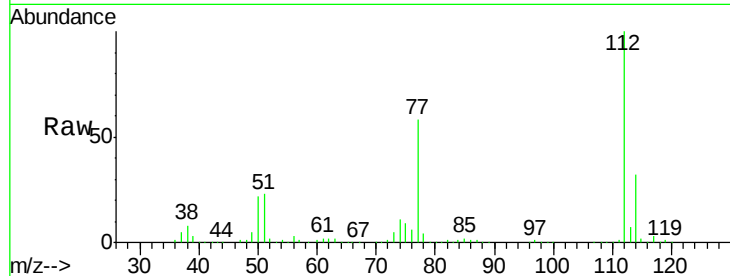
#65
Chlorobenzene
Concen: 49.92 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 418392
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9

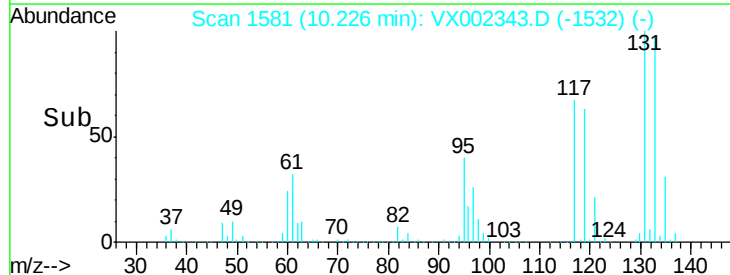
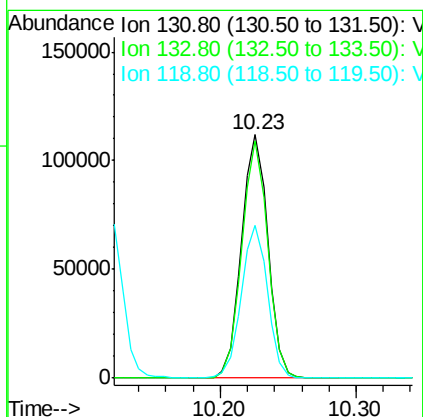
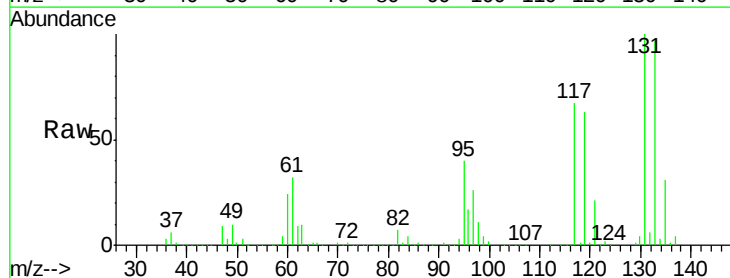
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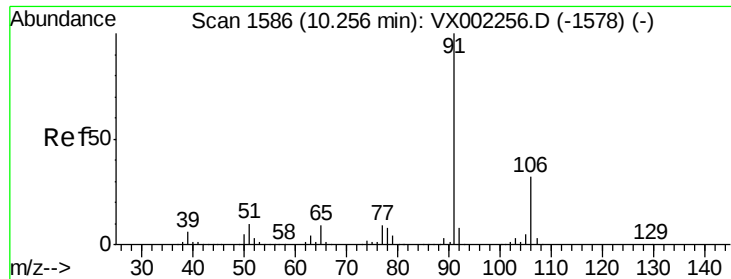
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.07 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion:131 Resp: 151940
Ion Ratio Lower Upper
131 100
133 95.5 47.9 143.6
119 62.4 31.8 95.3





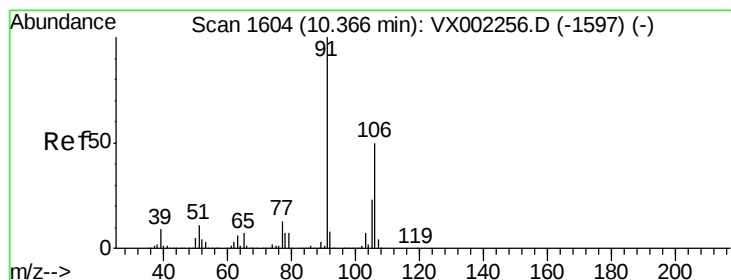
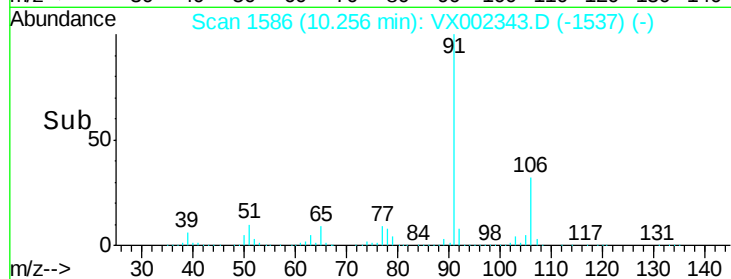
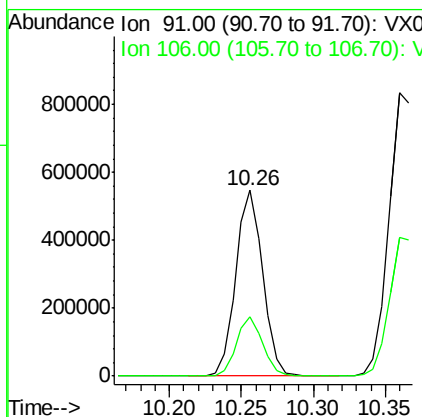
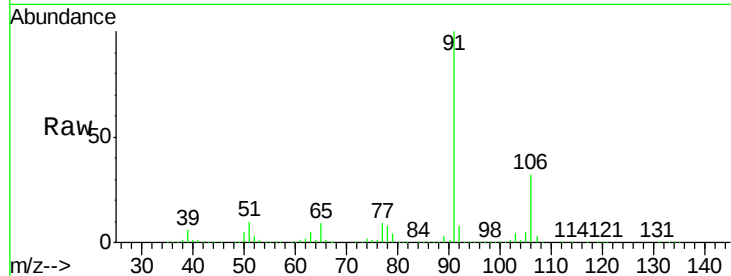
#67
Ethyl Benzene
Concen: 50.91 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 714105
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3

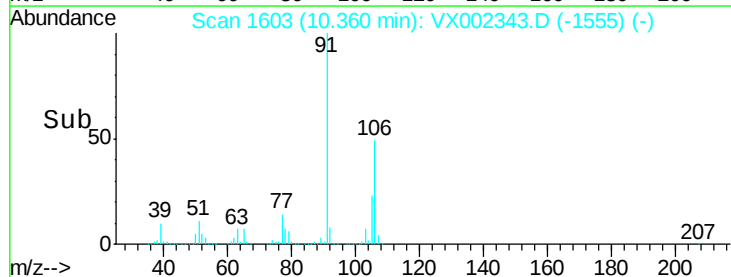
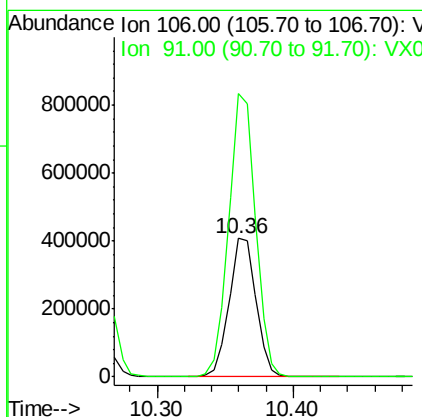
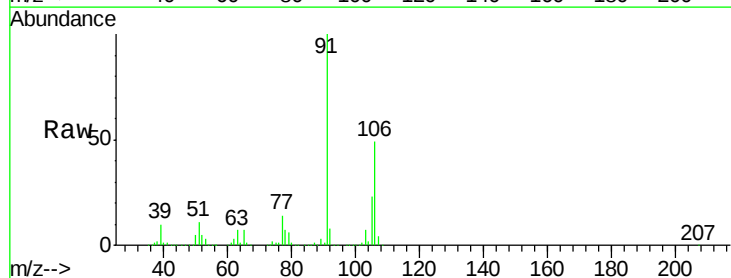
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#68
m/p-Xylenes
Concen: 102.87 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion: 106 Resp: 560840
Ion Ratio Lower Upper
106 100
91 204.6 163.4 245.2





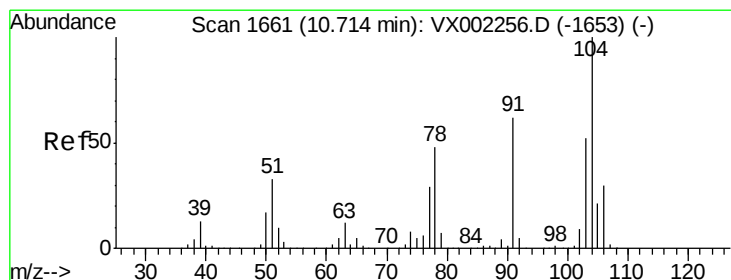
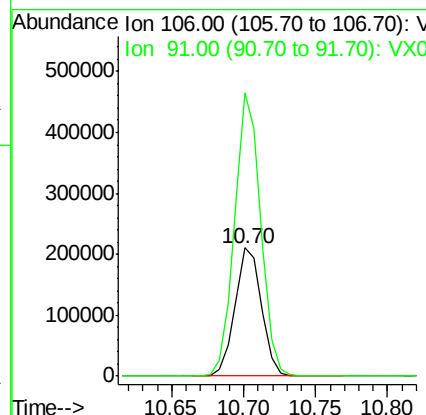
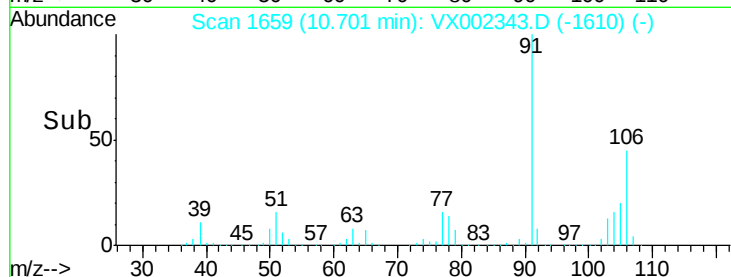
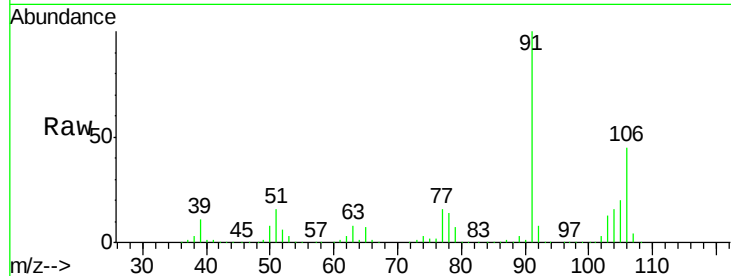
#69
o-Xylene
Concen: 50.37 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 273310
Ion Ratio Lower Upper
106 100
91 217.2 108.2 324.6

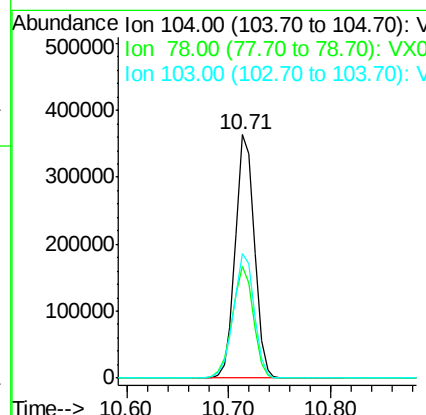
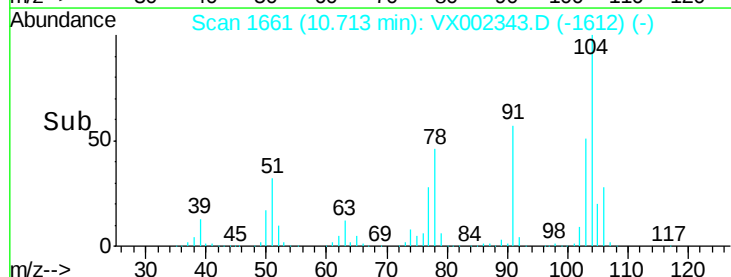
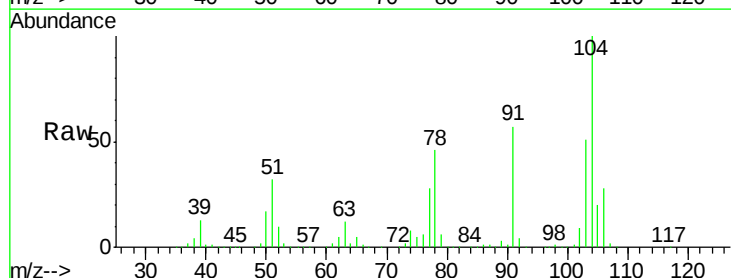
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#70
Styrene
Concen: 52.66 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion:104 Resp: 467107
Ion Ratio Lower Upper
104 100
78 50.5 41.0 61.6
103 55.4 44.2 66.4





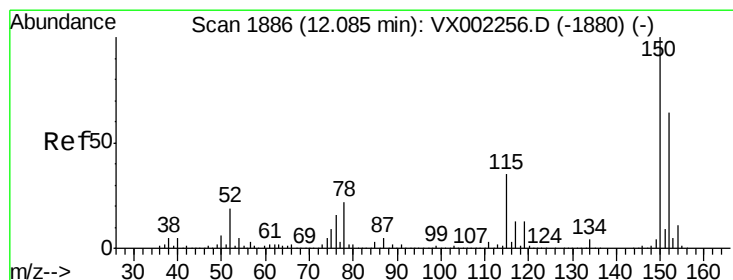
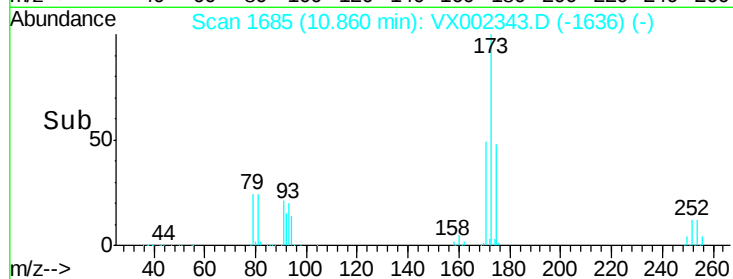
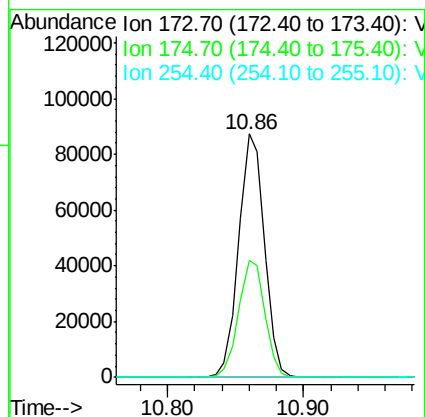
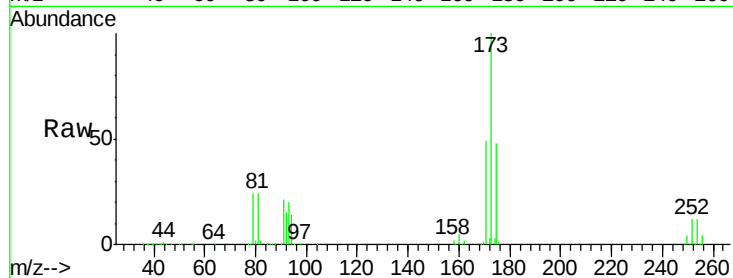
#71
Bromoform
Concen: 42.91 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

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

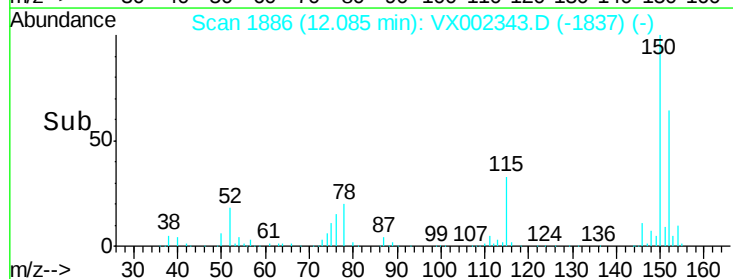
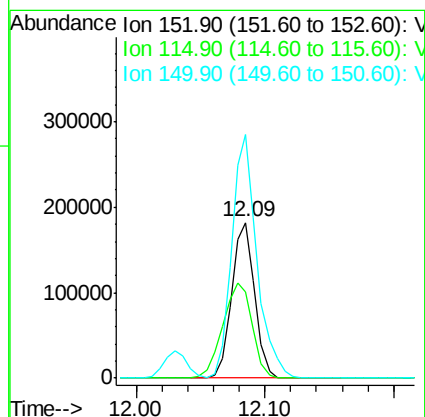
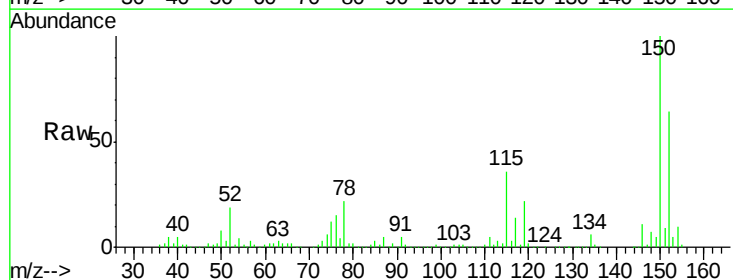
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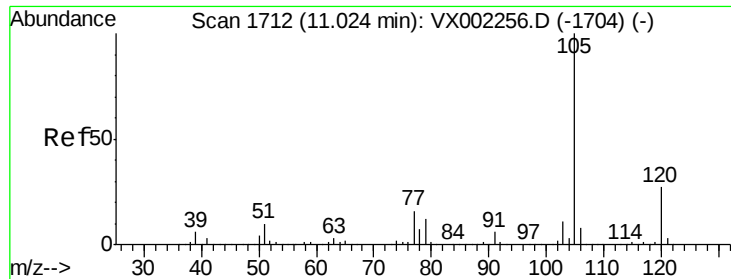
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.1	40.1	120.2
150	172.6	0.0	347.2





#73

Isopropylbenzene

Concen: 47.64 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 745329

Ion Ratio Lower Upper

105 100

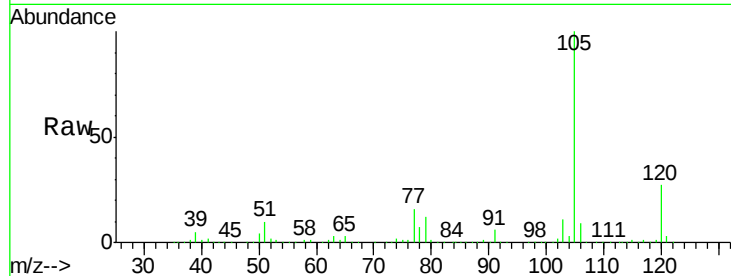
120 26.7 13.5 40.4

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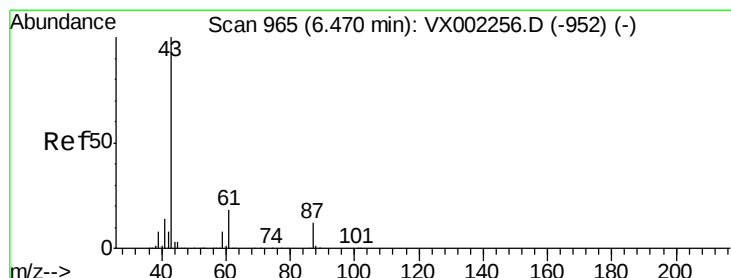
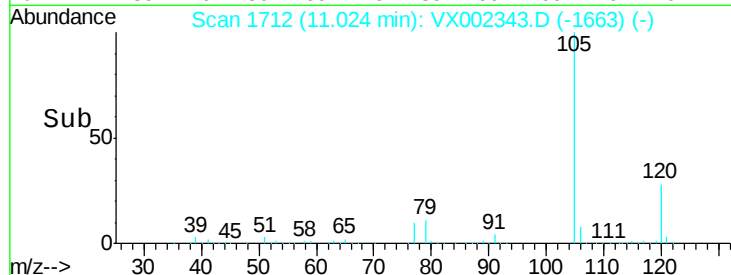
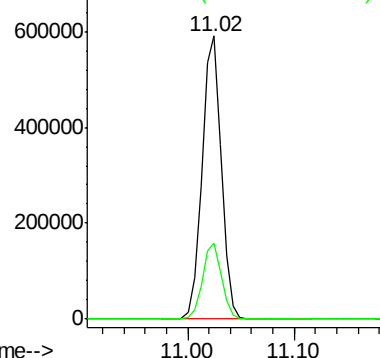
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 41.29 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Tgt Ion: 43 Resp: 348041

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

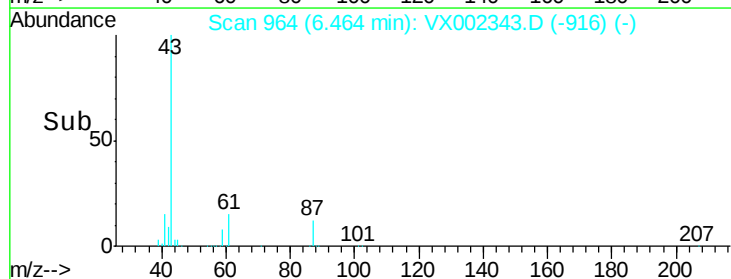
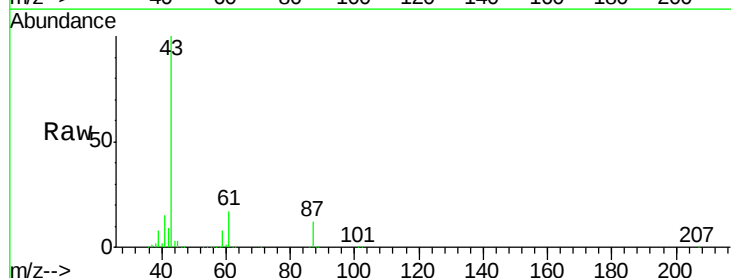
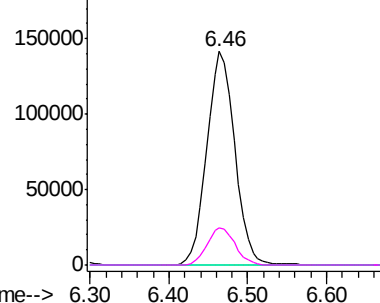
61 17.5 14.4 21.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.44 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 218648

Ion Ratio Lower Upper

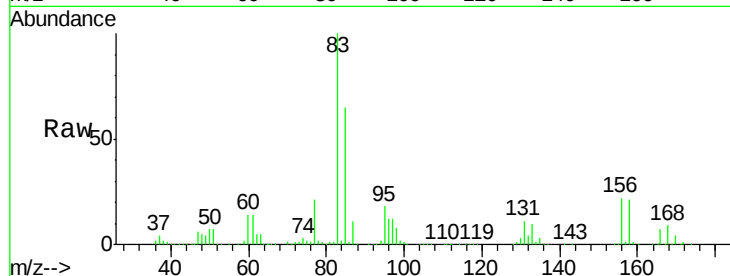
83 100

131 11.0 5.6 16.8

85 64.0 32.4 97.2

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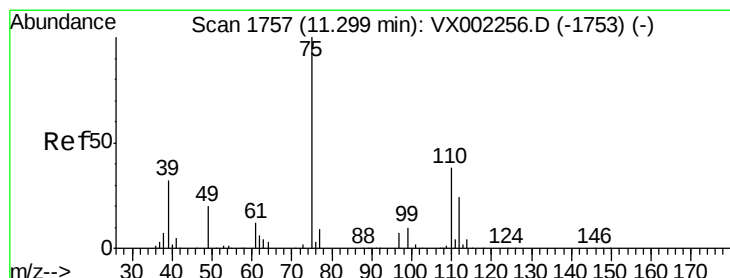
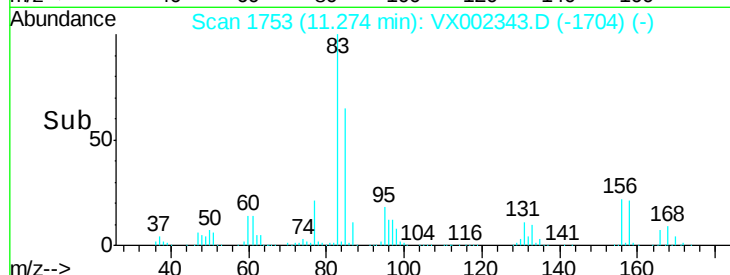
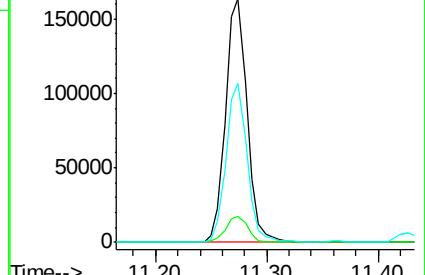
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 43.96 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002343.D

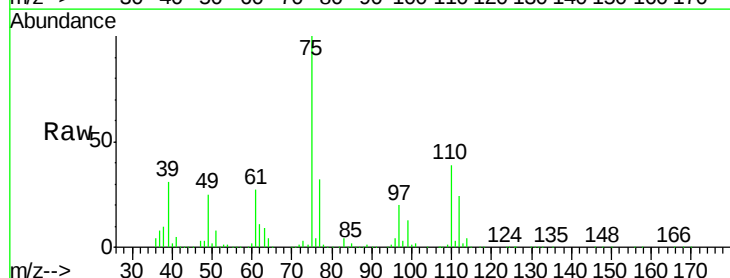
Acq: 06 Jun 2018 10:19

Tgt Ion: 75 Resp: 216942

Ion Ratio Lower Upper

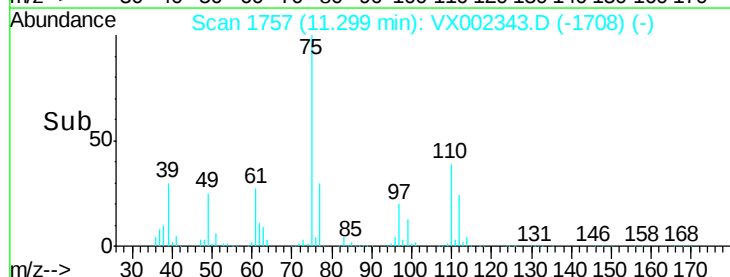
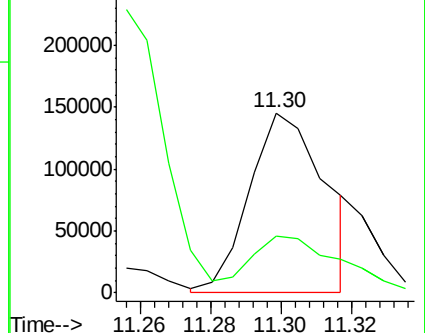
75 100

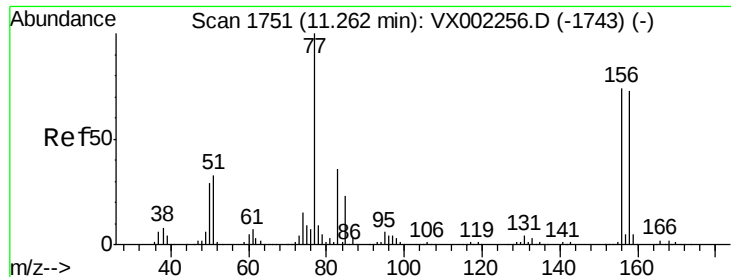
77 38.0 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.47 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

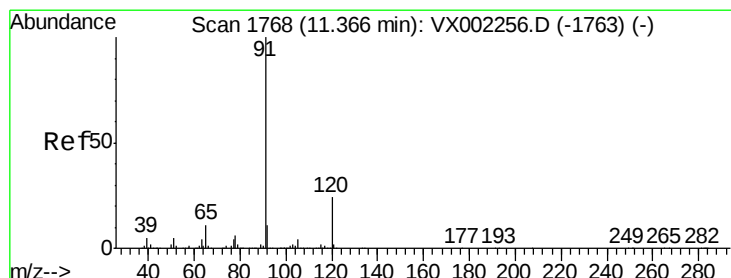
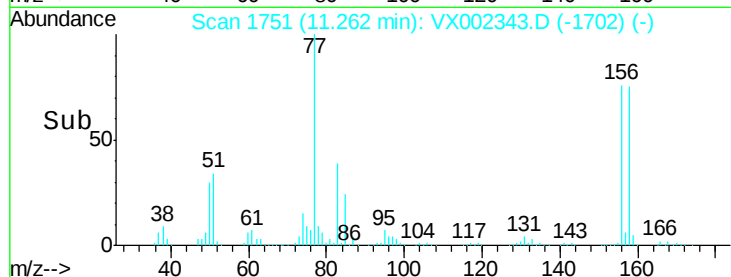
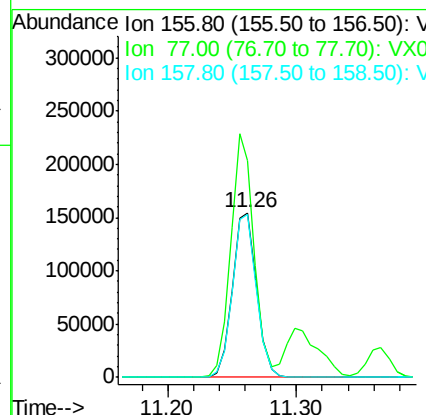
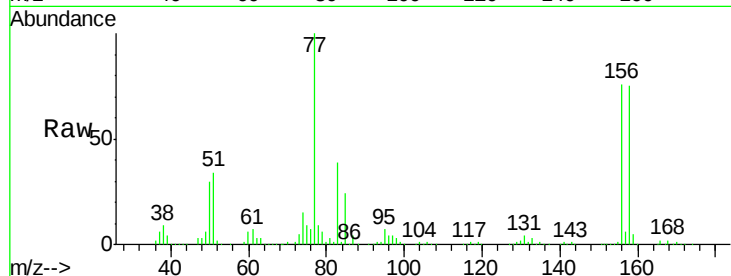
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	204112
Ion Ratio	Lower	Upper	
156	100		
77	141.4	71.4	214.2
158	98.4	48.9	146.6

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#78

n-propylbenzene

Concen: 49.10 ug/l

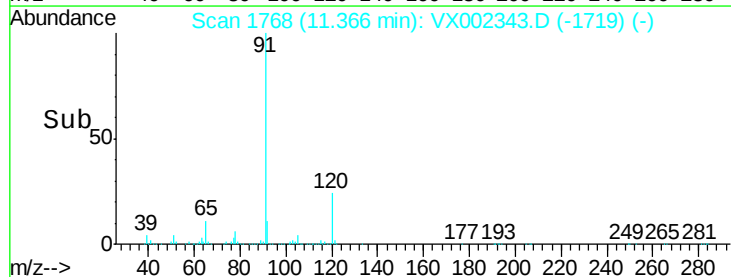
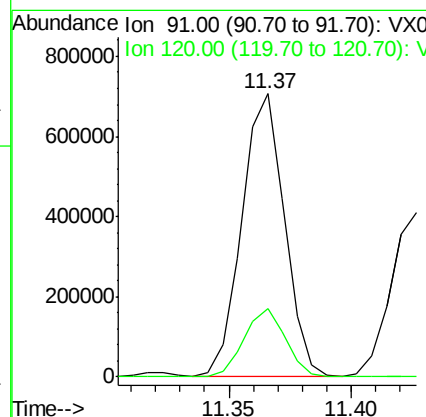
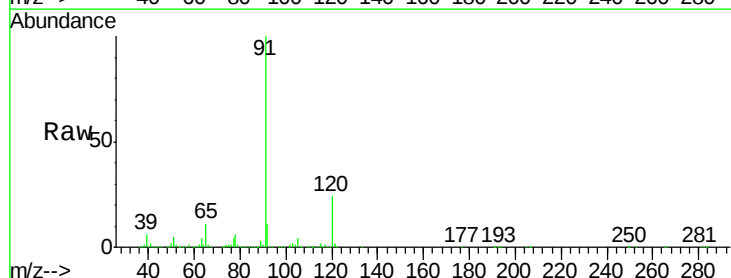
RT: 11.37 min Scan# 1768

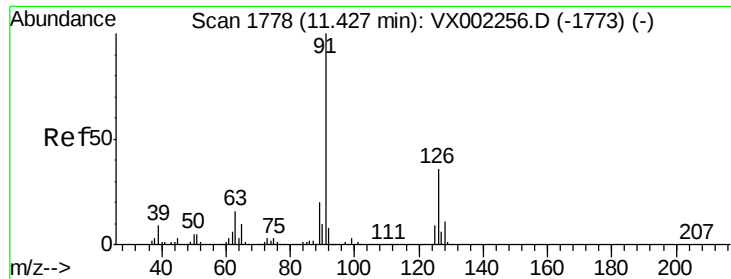
Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Tgt Ion:	91	Resp:	853776
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.4





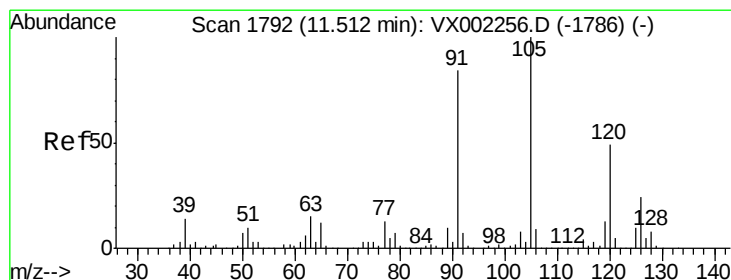
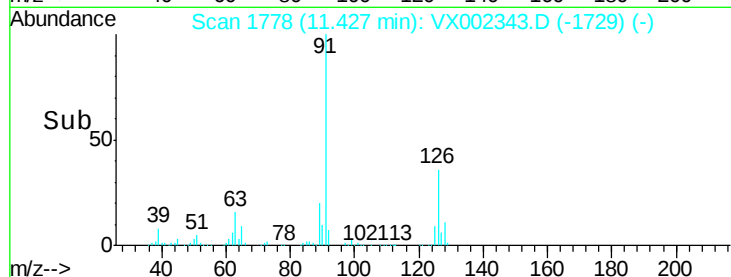
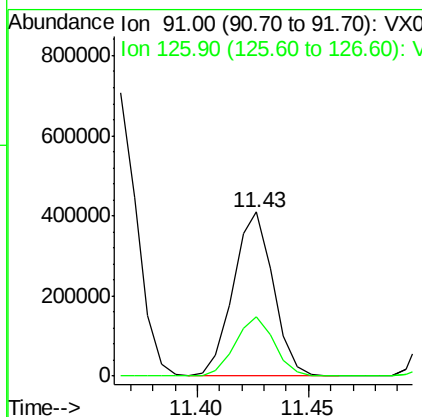
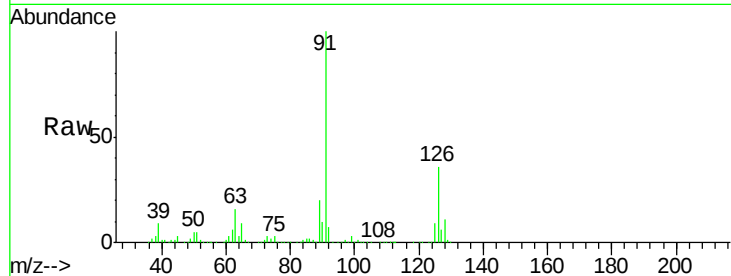
#79
2-Chlorotoluene
Concen: 46.35 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 508953
Ion Ratio Lower Upper
91 100
126 35.7 17.7 53.1

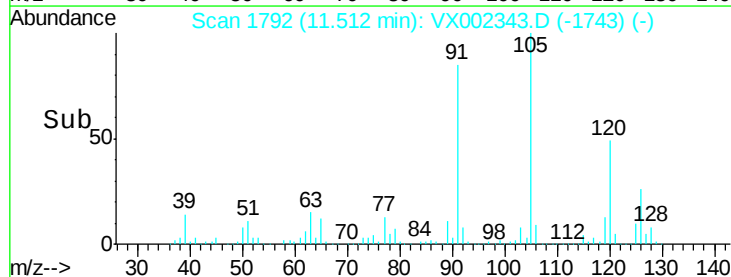
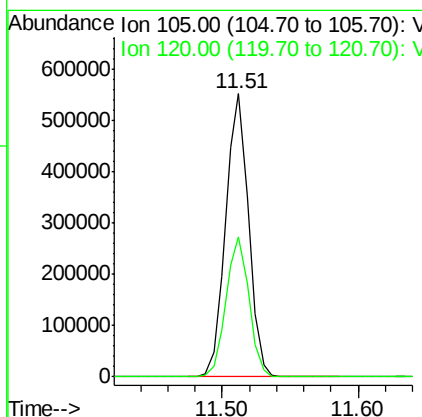
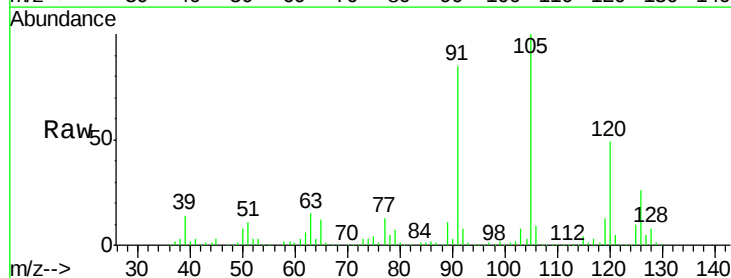
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#80
1,3,5-Trimethylbenzene
Concen: 48.03 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion: 105 Resp: 644534
Ion Ratio Lower Upper
105 100
120 49.4 24.4 73.4





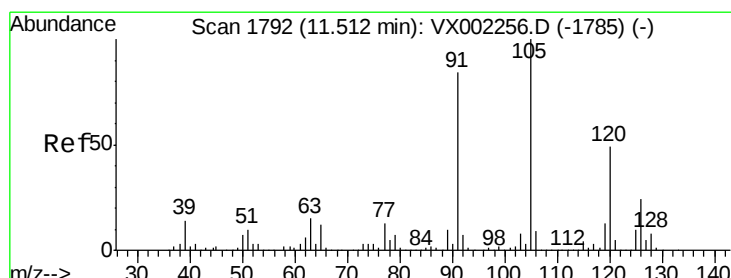
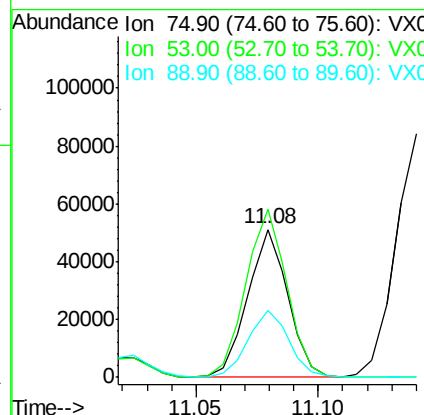
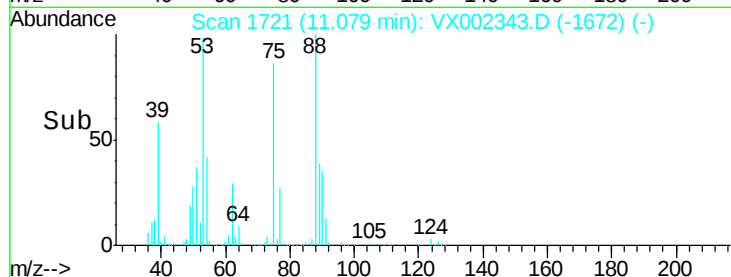
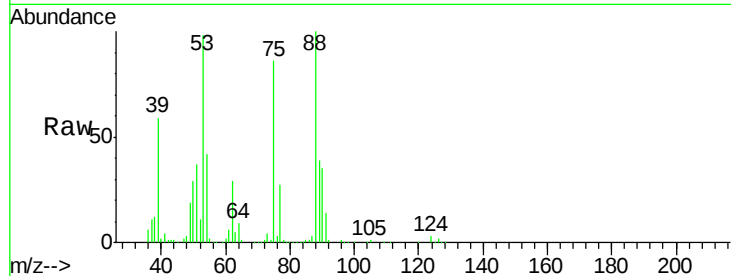
#81
trans-1,4-Dichloro-2-butene
Concen: 41.60 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.6	86.8	130.2
89	46.5	38.2	57.2

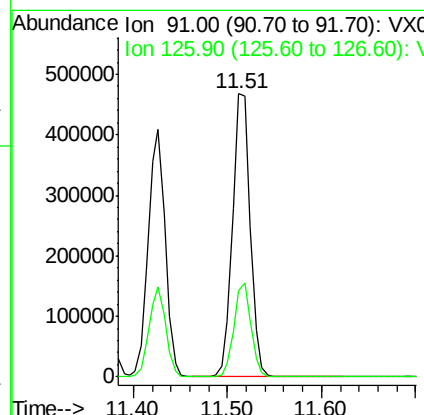
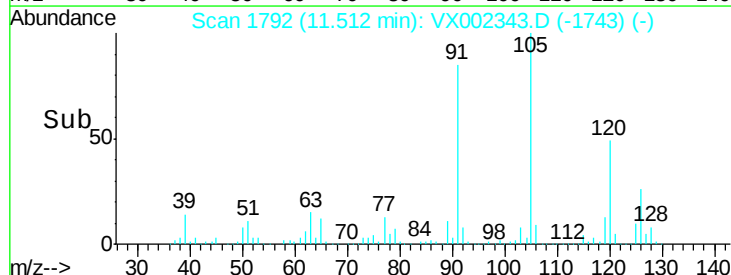
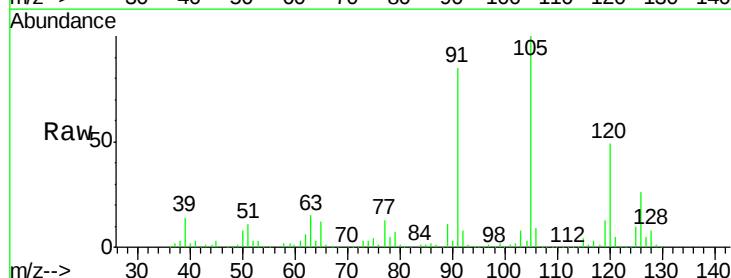
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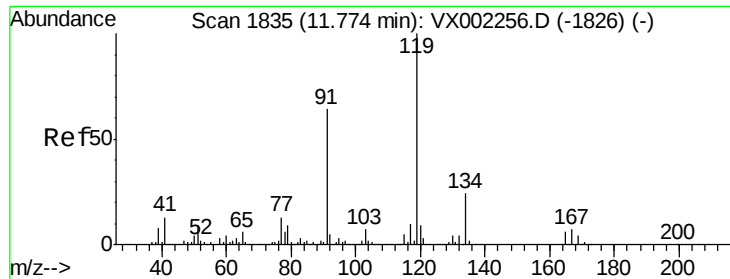
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#82
4-Chlorotoluene
Concen: 48.27 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.4	46.4





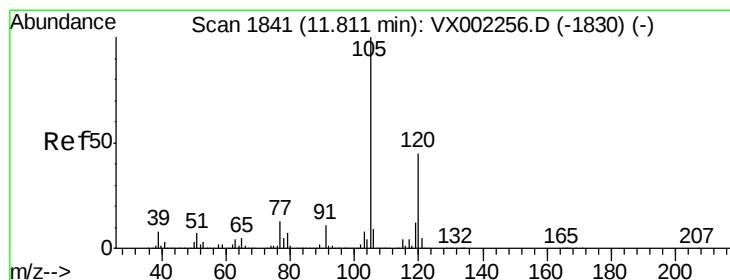
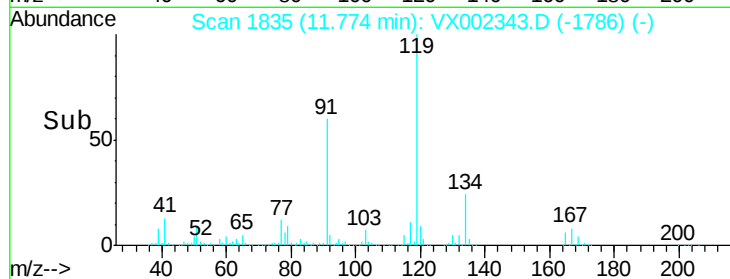
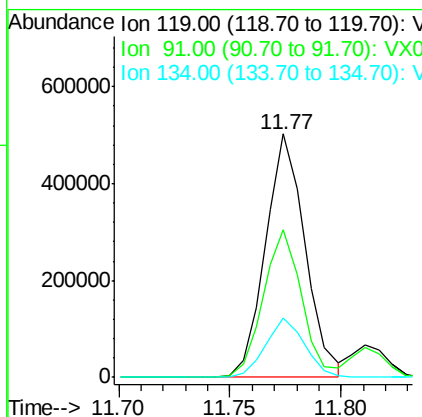
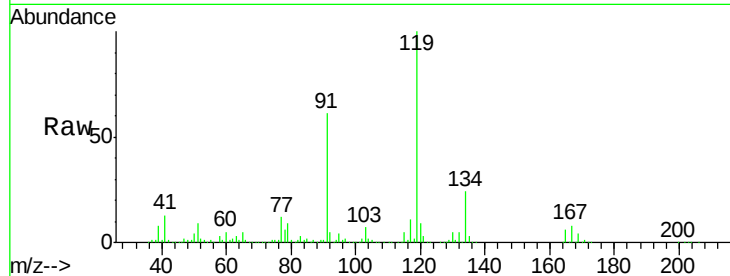
#83
tert-Butylbenzene
Concen: 47.47 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	620263		
91	59.0		30.3	90.9
134	23.9		11.7	35.1

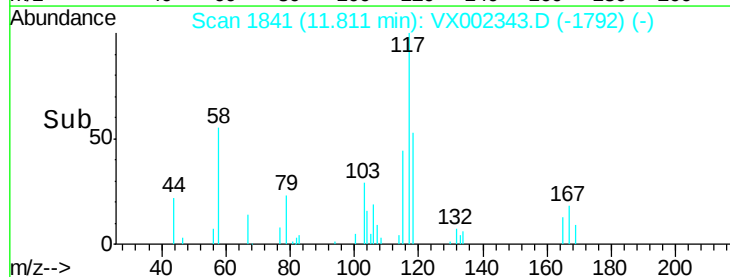
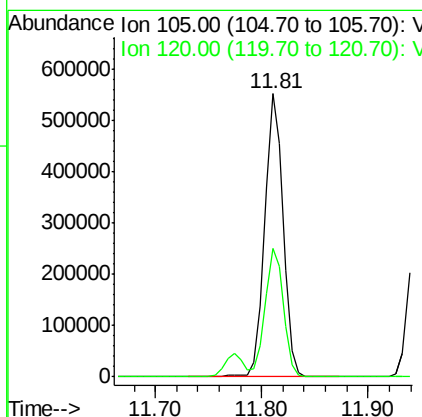
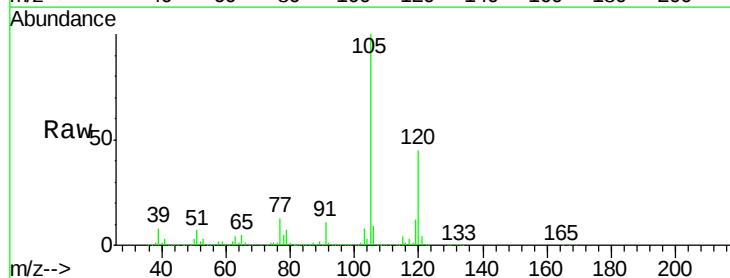
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#84
1,2,4-Trimethylbenzene
Concen: 48.54 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	670511		
120	45.5		22.3	66.8





#85

sec-Butylbenzene

Concen: 49.88 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 764173

Ion Ratio Lower Upper

105 100

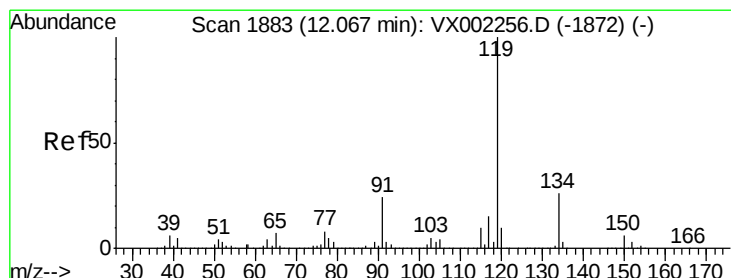
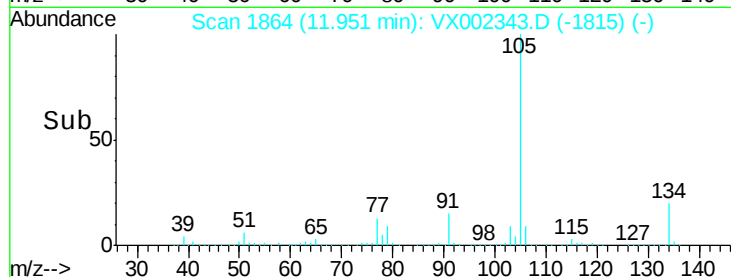
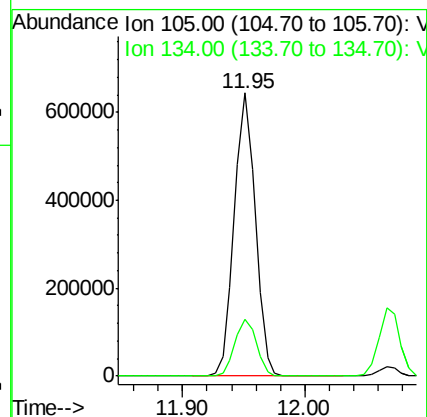
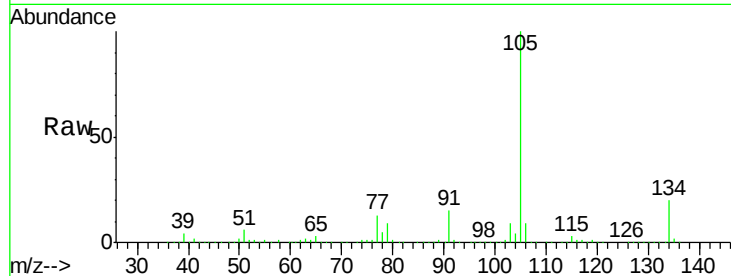
134 20.8 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 50.22 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

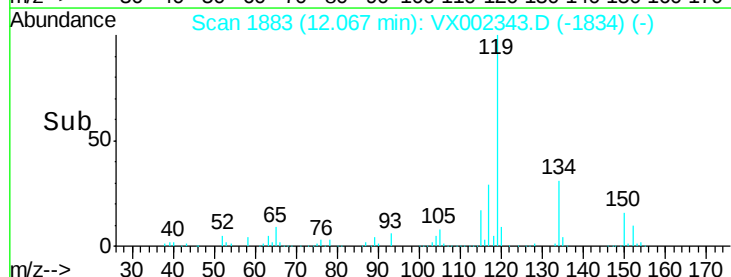
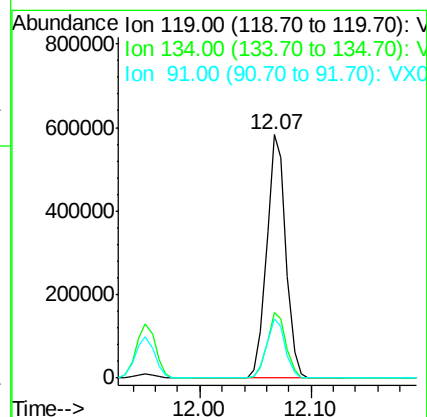
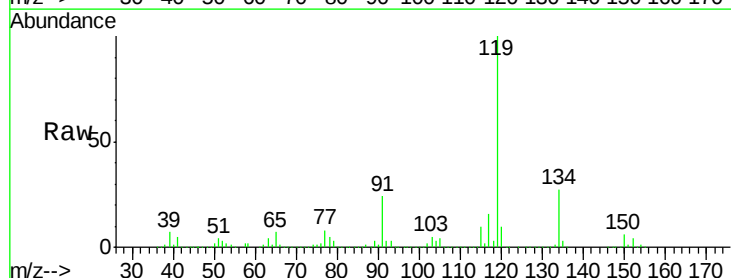
Tgt Ion:119 Resp: 700691

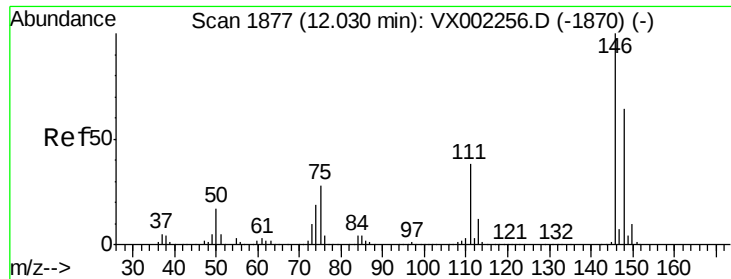
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 23.9 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 48.73 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

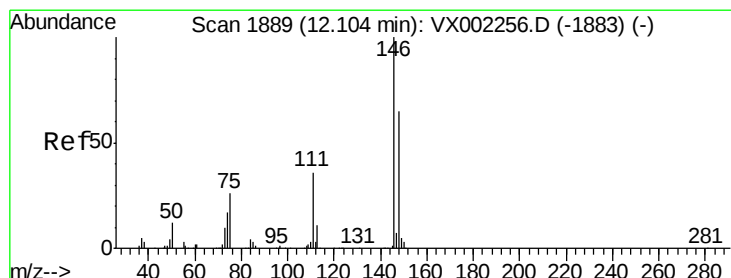
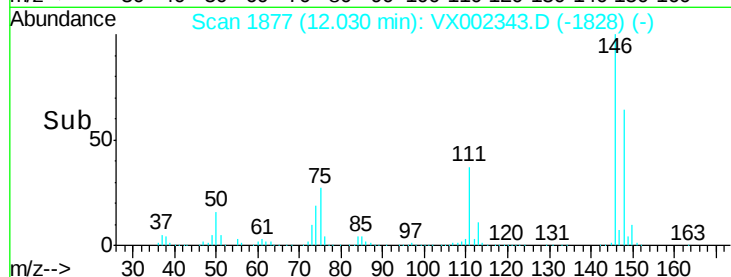
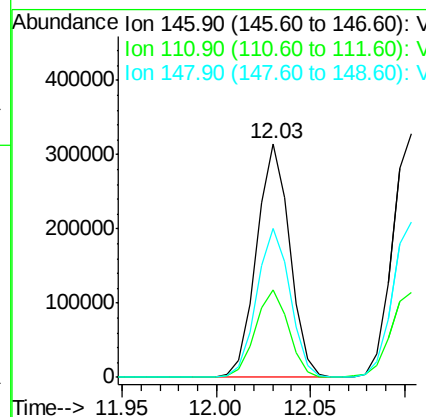
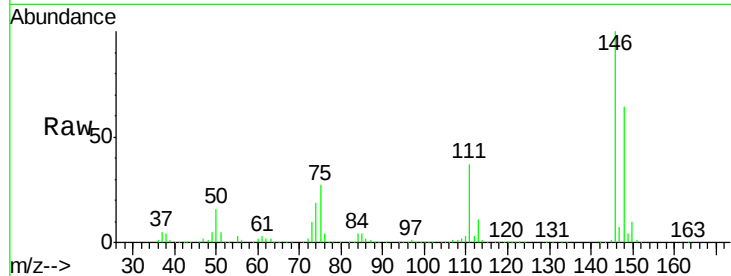
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	382651
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.9	56.7
148	64.2	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 48.40 ug/l

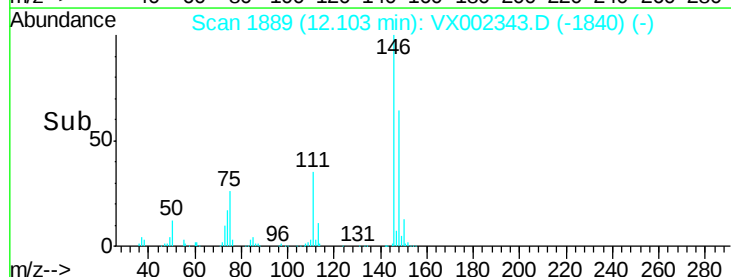
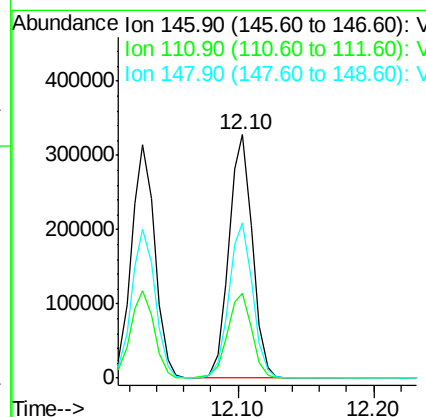
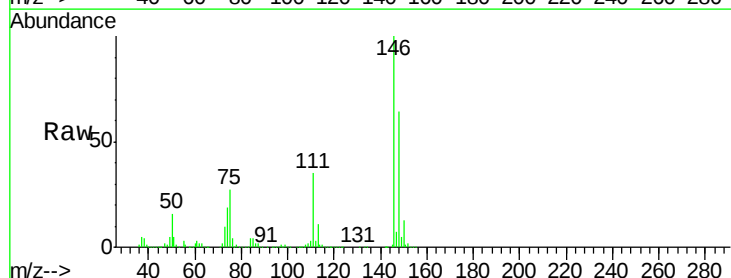
RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Tgt Ion:	146	Resp:	391750
Ion Ratio	Lower	Upper	
146	100		
111	36.0	18.7	56.1
148	63.9	32.4	97.0





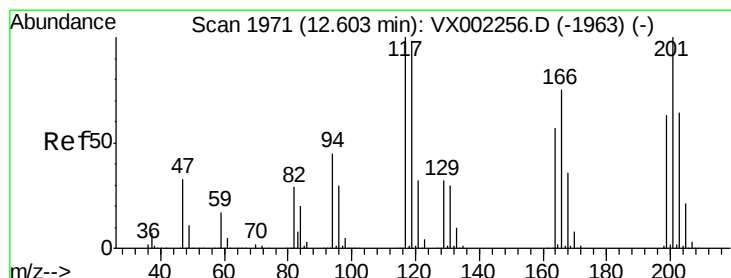
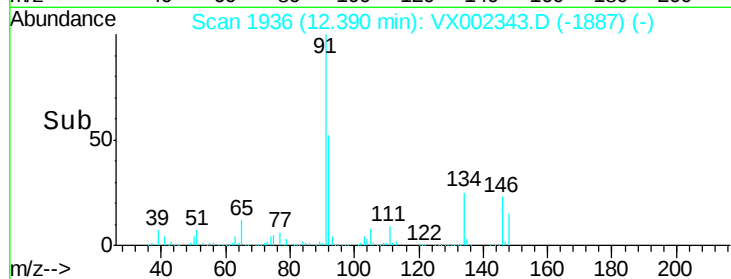
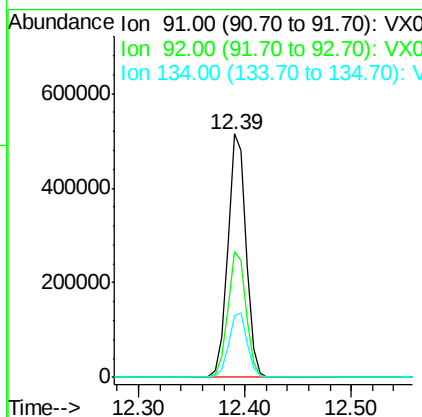
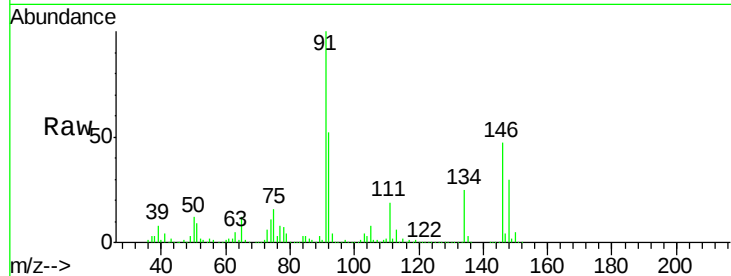
#89
n-Butylbenzene
Concen: 52.55 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.0	78.0
134	26.8	13.5	40.5

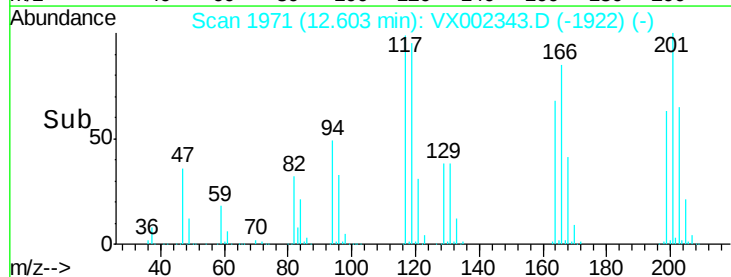
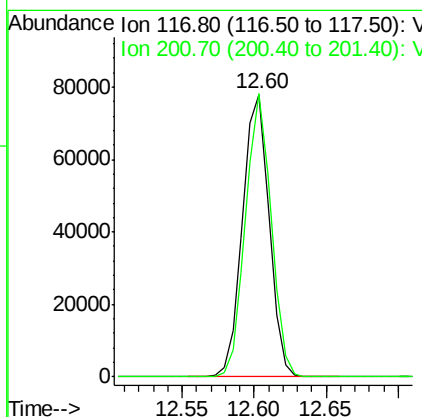
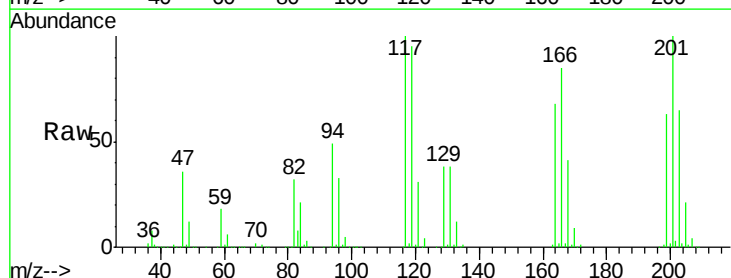
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#90
Hexachloroethane
Concen: 44.84 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.2	49.0	147.0





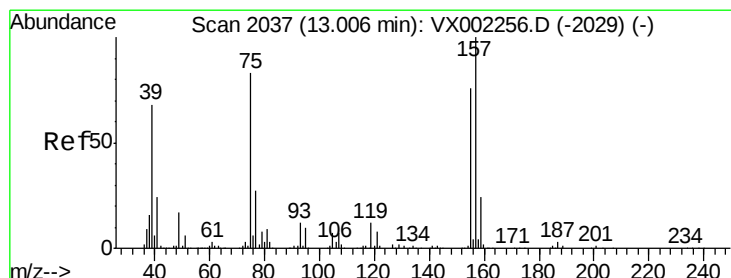
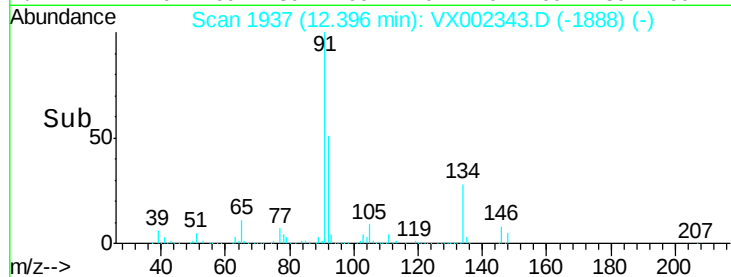
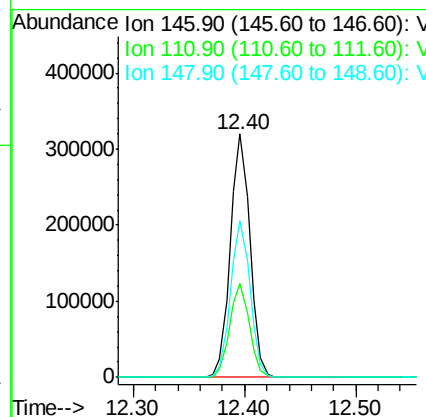
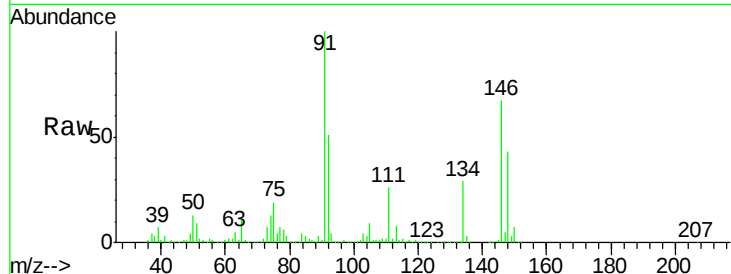
#91
1,2-Dichlorobenzene
Concen: 47.93 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.1
148	64.3	31.7	95.1

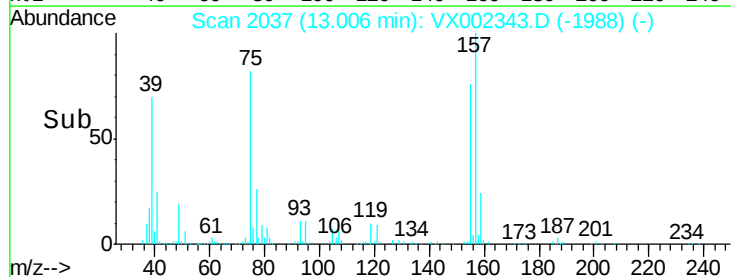
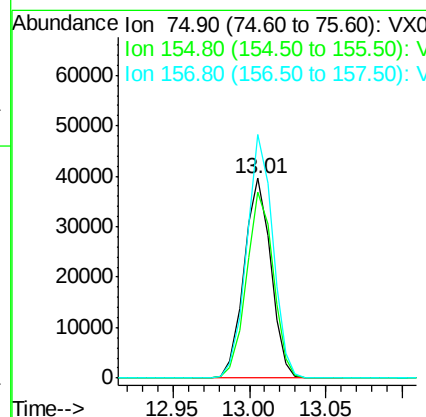
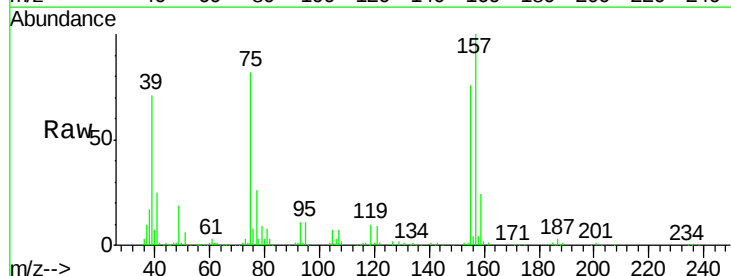
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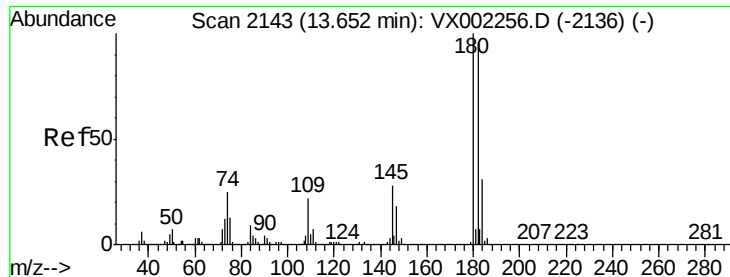
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#92
1,2-Dibromo-3-Chloropropane
Concen: 44.65 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. -0.00 min
Lab File: VX002343.D
Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	45.8	137.4
157	119.2	60.1	180.3





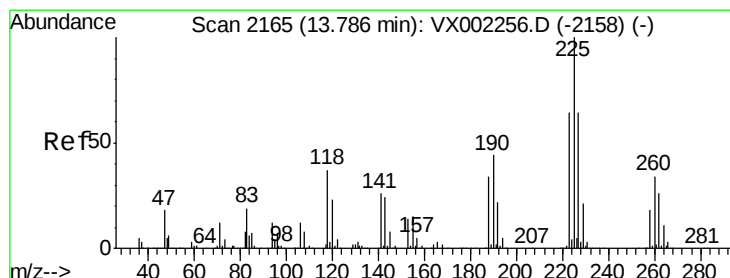
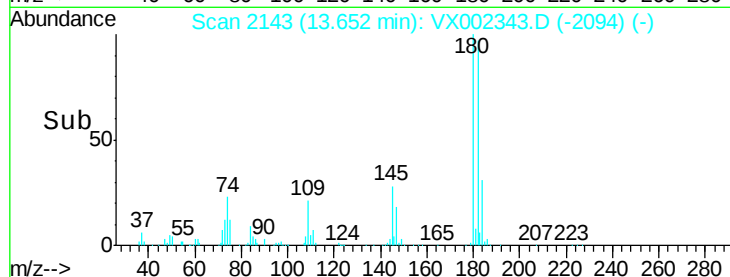
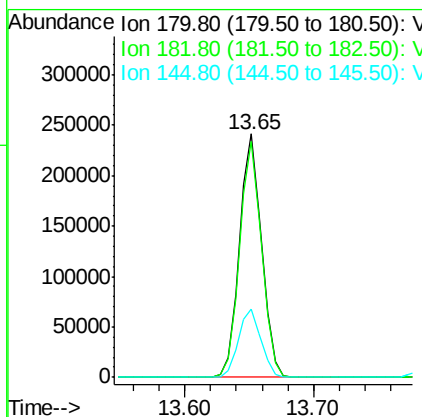
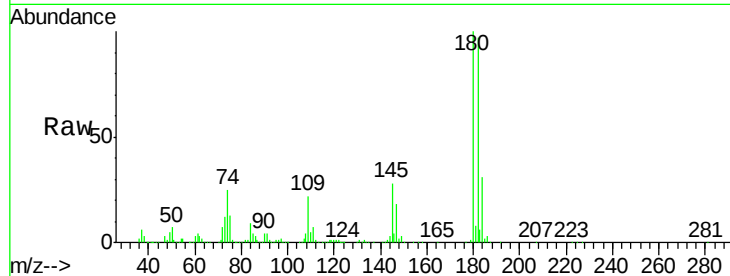
#93
 1,2,4-Trichlorobenzene
 Concen: 50.16 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002343.D
 Acq: 06 Jun 2018 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	285798		
182	96.5	47.7	143.1	
145	28.7	14.1	42.4	

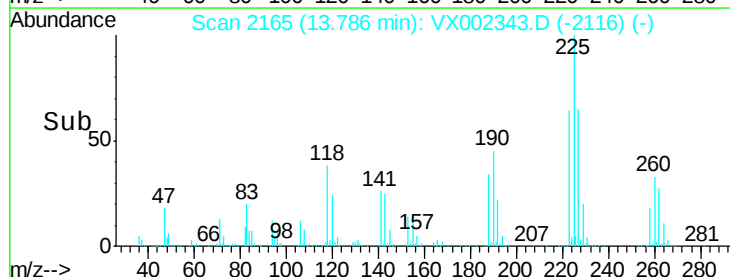
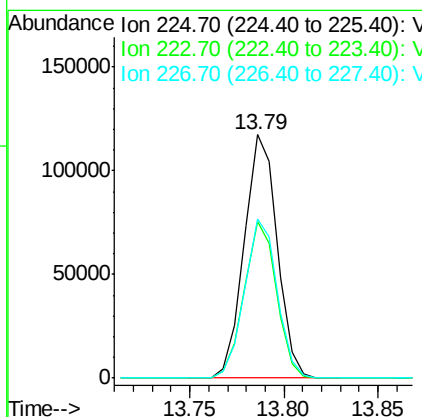
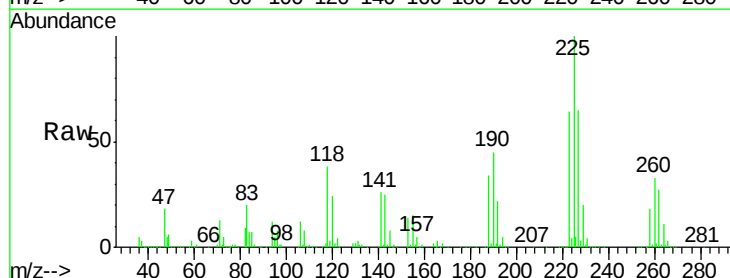
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#94
 Hexachlorobutadiene
 Concen: 50.69 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002343.D
 Acq: 06 Jun 2018 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	142722		
223	62.8	31.6	95.0	
227	64.5	32.4	97.2	





#95

Naphthalene

Concen: 48.58 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Instrument :

MSVOA_X

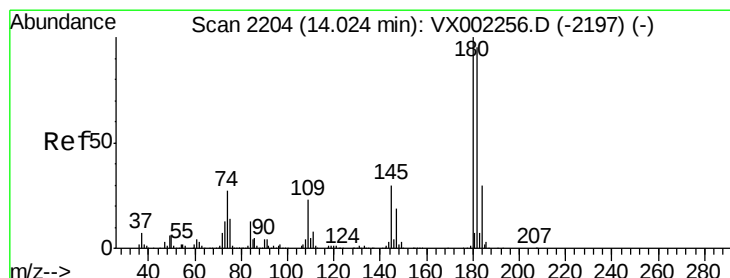
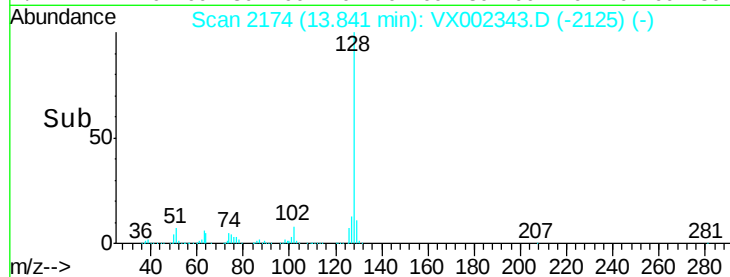
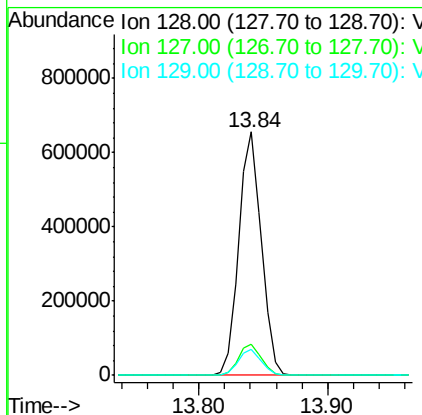
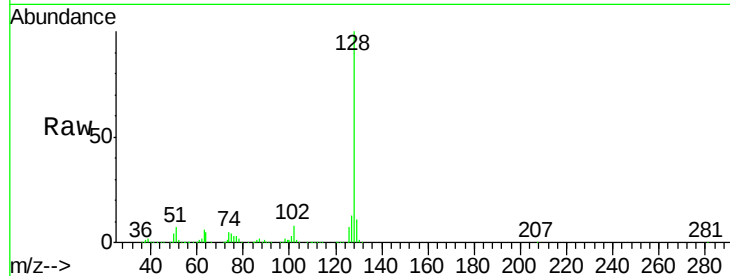
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	795224
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/7/2018 11:36:12 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.84 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002343.D

Acq: 06 Jun 2018 10:19

Tgt Ion:	180	Resp:	295433
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.0	144.0
145	29.4	14.8	44.3

