

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061318\
 Data File : VX002501.D
 Acq On : 13 Jun 2018 10:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 11:29:23 AM

Quant Time: Jun 14 01:53:37 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	172409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	266654	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	271132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	182851	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	140899	57.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.36%	
35) Dibromofluoromethane	5.51	113	106887	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	8.72	98	390314	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.14	95	157974	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	61645	34.395	ug/l	99
3) Chloromethane	1.32	50	96709	46.916	ug/l	100
4) Vinyl Chloride	1.41	62	96641	42.784	ug/l	98
5) Bromomethane	1.64	94	62259	48.613	ug/l	98
6) Chloroethane	1.72	64	69726	47.720	ug/l	98
7) Trichlorofluoromethane	1.93	101	154359	44.851	ug/l	97
8) Diethyl Ether	2.19	74	75877	62.647	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	82969	44.674	ug/l	99
10) Methyl Iodide	2.51	142	108521	41.543	ug/l	99
11) Tert butyl alcohol	3.07	59	142979	285.800	ug/l	99
12) 1,1-Dichloroethene	2.37	96	83791	45.652	ug/l	100
13) Acrolein	2.29	56	48459	195.841	ug/l	99
14) Allyl chloride	2.73	41	192553	48.342	ug/l	98
15) Acrylonitrile	3.15	53	325705	312.837	ug/l	99
16) Acetone	2.45	43	336701	323.151	ug/l	100
17) Carbon Disulfide	2.57	76	176742	36.536	ug/l	99
18) Methyl Acetate	2.78	43	160268	65.737	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	399593	63.149	ug/l	98
20) Methylene Chloride	2.86	84	117345	60.791	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	96895	47.873	ug/l	99
22) Diisopropyl ether	3.87	45	418124	63.228	ug/l	95
23) Vinyl Acetate	3.82	43	1870395	289.665	ug/l	99
24) 1,1-Dichloroethane	3.70	63	209414	53.194	ug/l	99
25) 2-Butanone	4.71	43	425098	251.468	ug/l	100
26) 2,2-Dichloropropane	4.59	77	133579	43.408	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	107082	48.647	ug/l	95
28) Bromochloromethane	5.02	49	106160	64.433	ug/l	100
29) Tetrahydrofuran	5.17	42	265541	243.636	ug/l	100
30) Chloroform	5.22	83	192424	50.654	ug/l	98
31) Cyclohexane	5.58	56	116986	37.580	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	147025	45.636	ug/l	99
36) 1,1-Dichloropropene	5.80	75	119777	42.727	ug/l	99
37) Ethyl Acetate	4.86	43	163593	48.526	ug/l	100
38) Carbon Tetrachloride	5.79	117	123947	42.264	ug/l	98

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Quant Time: Jun 14 01:53:37 2018
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	117698	34.068	ug/l	98
40) Benzene	6.15	78	399940	46.530	ug/l	98
41) Methacrylonitrile	5.06	41	94016	48.716	ug/l	98
42) 1,2-Dichloroethane	6.20	62	172109	50.398	ug/l	100
43) Isopropyl Acetate	6.46	43	279852	48.873	ug/l	99
44) Trichloroethene	7.22	130	109964	46.096	ug/l	100
45) 1,2-Dichloropropane	7.52	63	113401	48.870	ug/l	98
46) Dibromomethane	7.67	93	77853	49.492	ug/l	99
47) Bromodichloromethane	7.90	83	143765	50.533	ug/l	96
48) Methyl methacrylate	7.78	41	144039	50.078	ug/l	99
49) 1,4-Dioxane	7.76	88	54363	1010.842	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	917936	257.418	ug/l	99
52) Toluene	8.79	92	262383	47.996	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	171855	50.372	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	162180	50.385	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	119620	53.201	ug/l	98
56) Ethyl methacrylate	9.18	69	182098	50.728	ug/l	99
57) 1,3-Dichloropropane	9.37	76	195335	51.785	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	553569	333.184	ug/l	100
59) 2-Hexanone	9.50	43	718878	260.998	ug/l	100
60) Dibromochloromethane	9.59	129	121105	53.549	ug/l	100
61) 1,2-Dibromoethane	9.68	107	124890	53.272	ug/l	100
64) Tetrachloroethene	9.34	164	129151	46.187	ug/l	98
65) Chlorobenzene	10.14	112	318112	47.152	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	118536	48.524	ug/l	99
67) Ethyl Benzene	10.26	91	515948	45.698	ug/l	100
68) m/p-Xylenes	10.36	106	410371	93.502	ug/l	99
69) o-Xylene	10.70	106	205236	46.990	ug/l	99
70) Styrene	10.71	104	357404	50.056	ug/l	99
71) Bromoform	10.86	173	94048	43.473	ug/l	98
73) Isopropylbenzene	11.02	105	536211	42.155	ug/l	100
74) N-amyl acetate	6.46	43	279852	40.831	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	176769	44.185	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	182237m	45.420	ug/l	
77) Bromobenzene	11.26	156	158934	44.507	ug/l	98
78) n-propylbenzene	11.37	91	616049	43.574	ug/l	100
79) 2-Chlorotoluene	11.43	91	383093	42.913	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	471343	43.202	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	48190	42.102	ug/l	93
82) 4-Chlorotoluene	11.51	91	461302	44.768	ug/l	99
83) tert-Butylbenzene	11.77	119	447050	42.078	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	500071	44.527	ug/l	99
85) sec-Butylbenzene	11.95	105	537543	43.158	ug/l	99
86) p-Isopropyltoluene	12.07	119	504939	44.508	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	297464	46.588	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	301907	45.873	ug/l	99
89) n-Butylbenzene	12.39	91	441261	46.376	ug/l	100
90) Hexachloroethane	12.60	117	73066	40.346	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	305832	46.294	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	39240	44.853	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	224313	48.424	ug/l	100
94) Hexachlorobutadiene	13.79	225	101226	44.222	ug/l	98
95) Naphthalene	13.84	128	631249	47.429	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	228382	48.343	ug/l	100

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

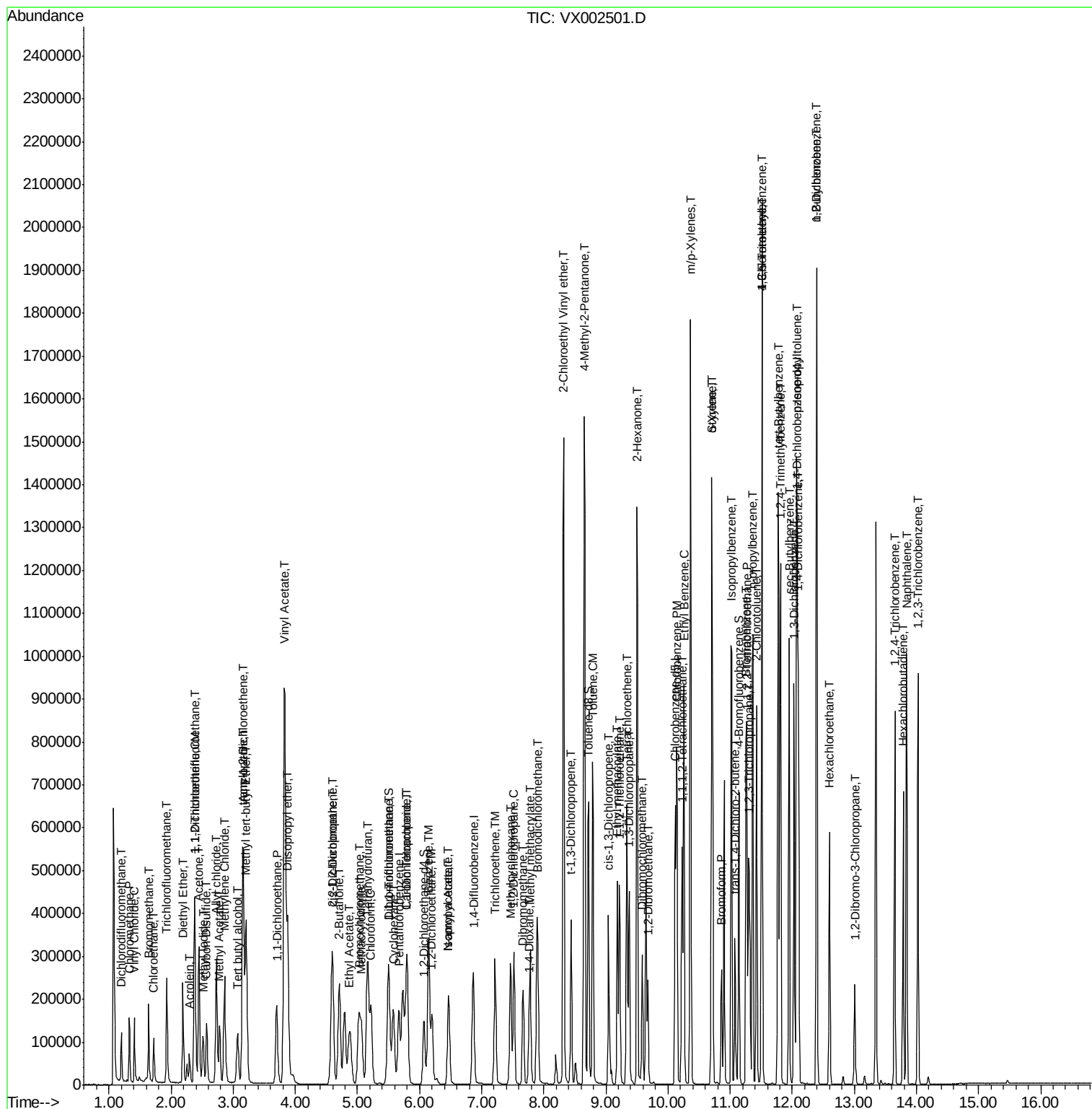
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061318\
Data File : VX002501.D
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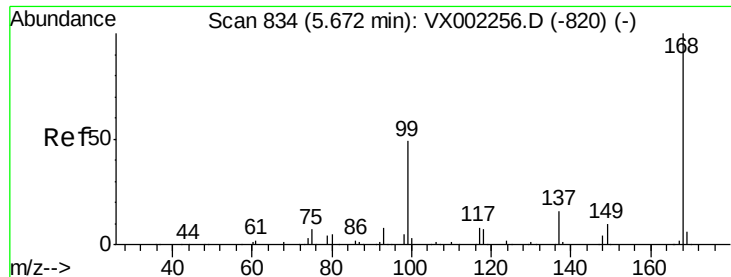
Instrument :
MSVOA_X
Client Sample ID :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
6/14/2018 11:29:23 AM

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 172409

Ion Ratio Lower Upper

168 100

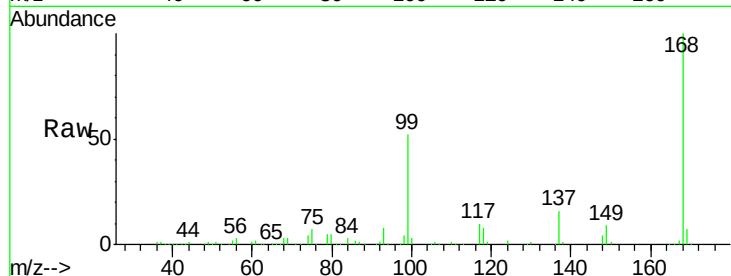
99 51.9 39.3 58.9

Manual Integrations

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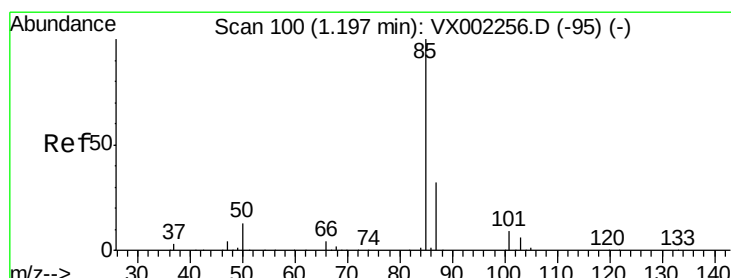
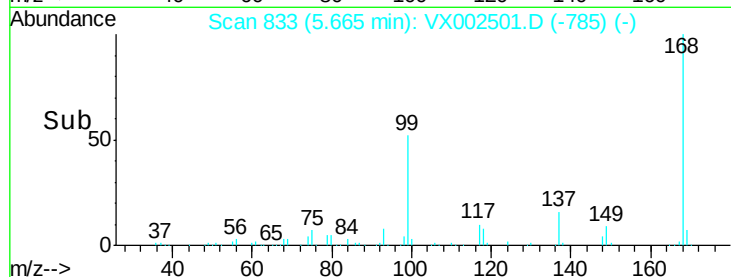
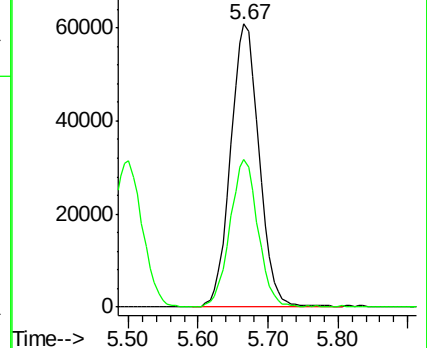
MMDadoda

6/14/2018 11:29:23 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 34.395 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002501.D

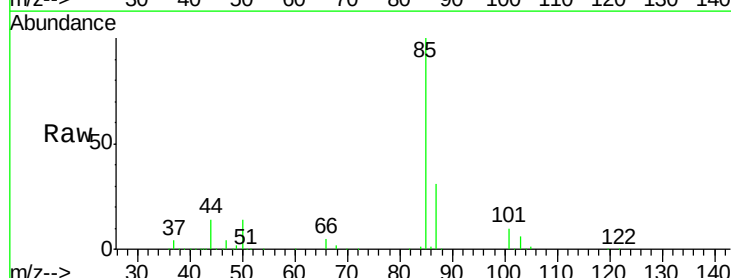
Acq: 13 Jun 2018 10:05

Tgt Ion: 85 Resp: 61645

Ion Ratio Lower Upper

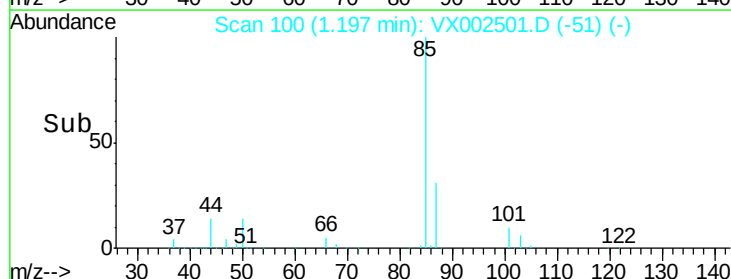
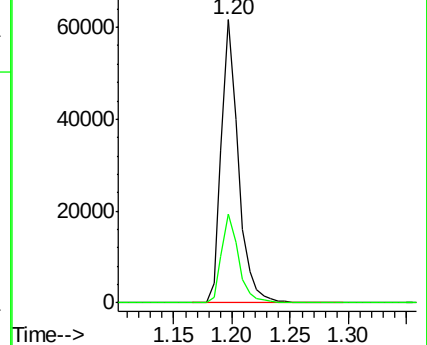
85 100

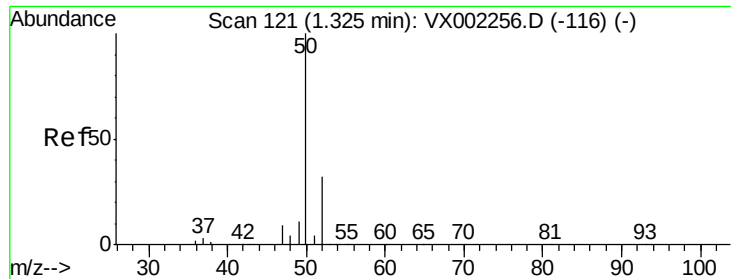
87 31.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 46.916 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 96709

Ion Ratio Lower Upper

50 100

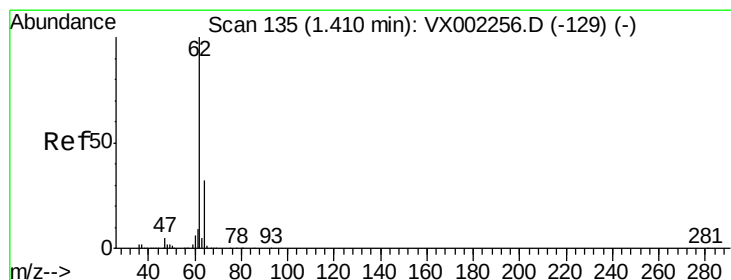
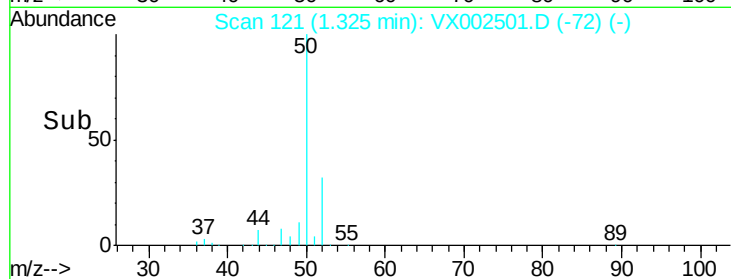
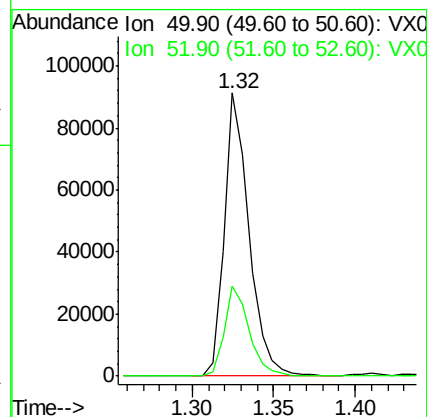
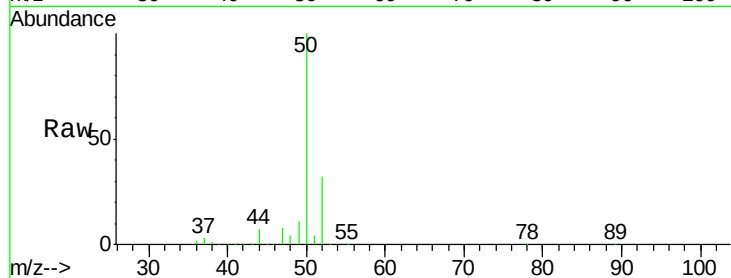
52 31.9 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.784 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002501.D

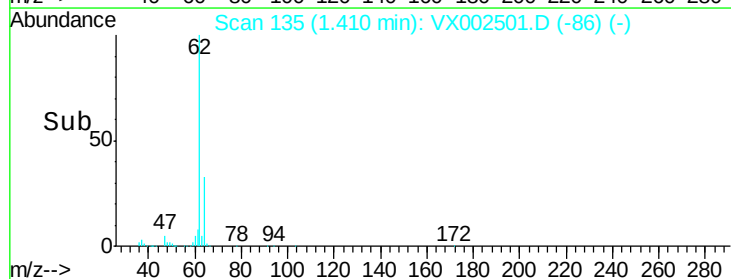
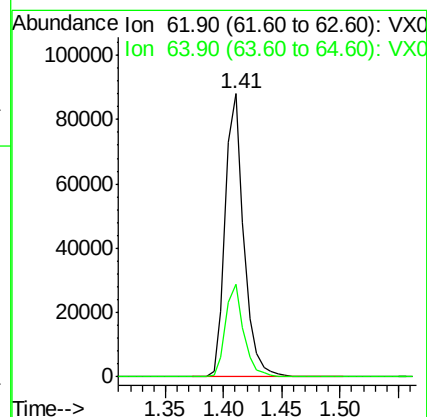
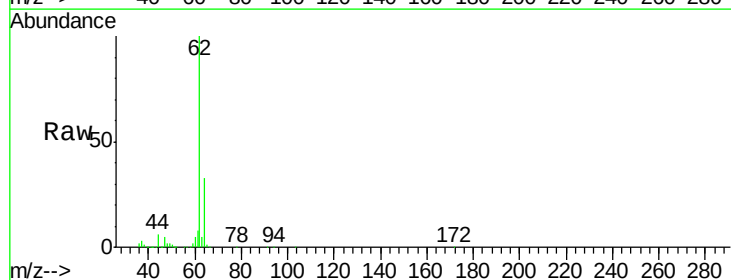
Acq: 13 Jun 2018 10:05

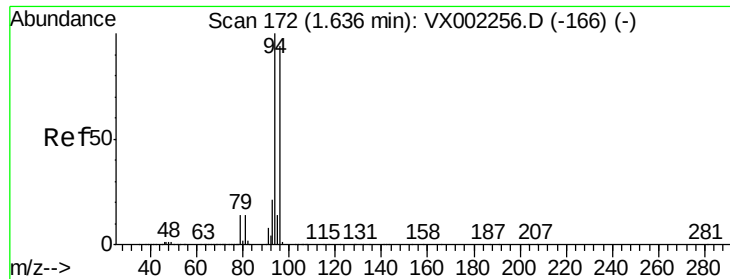
Tgt Ion: 62 Resp: 96641

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.2





#5

Bromomethane

Concen: 48.613 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 62259

Ion Ratio Lower Upper

94 100

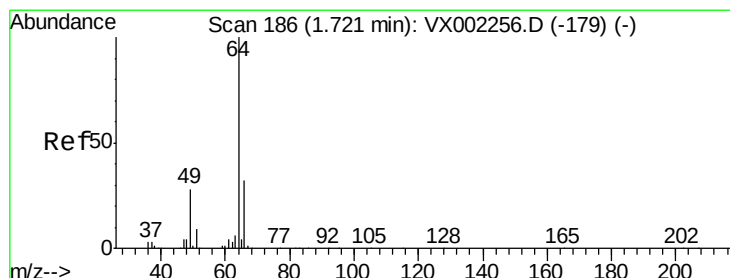
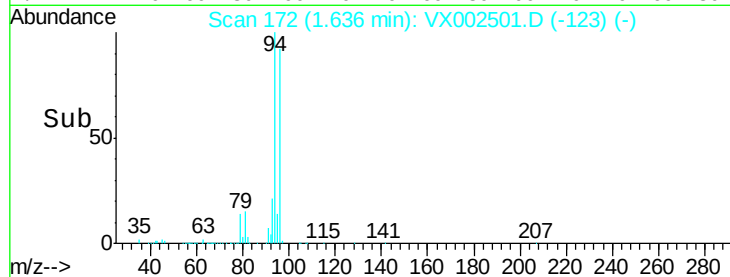
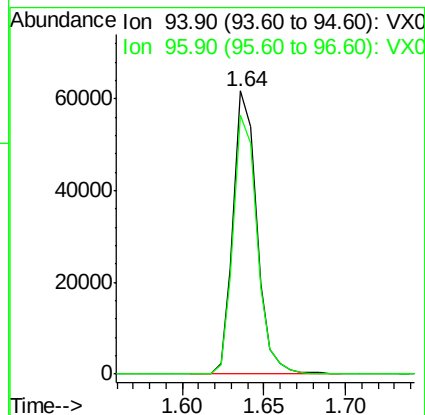
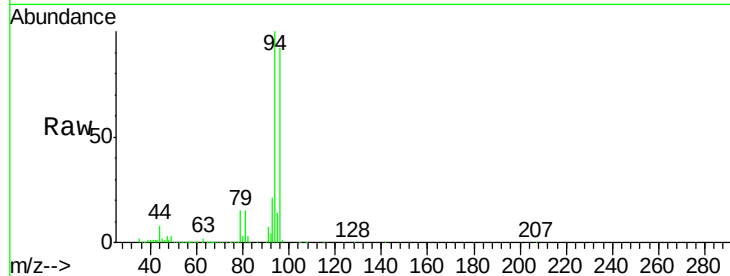
96 91.8 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 47.720 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002501.D

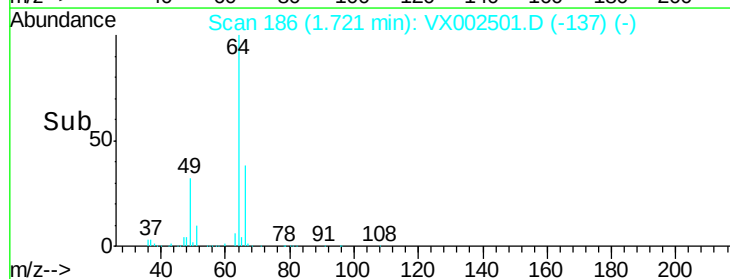
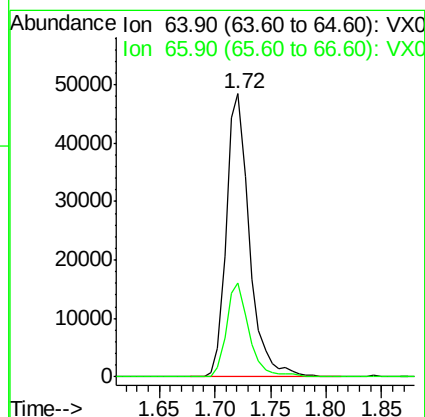
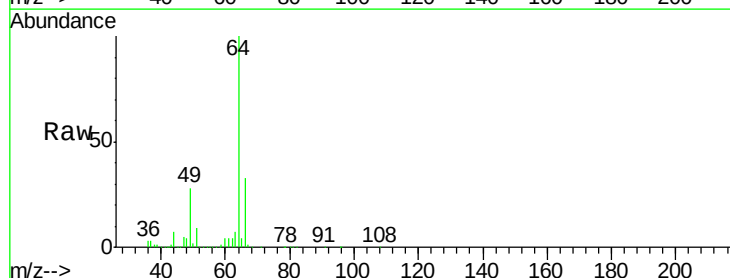
Acq: 13 Jun 2018 10:05

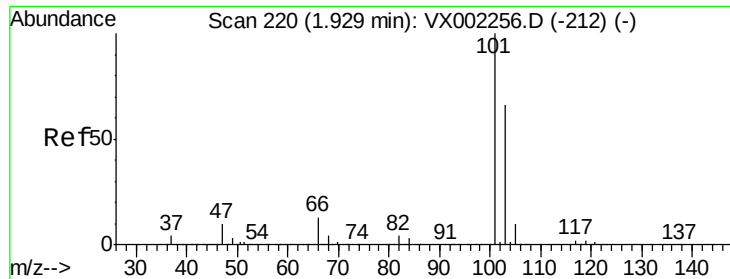
Tgt Ion: 64 Resp: 69726

Ion Ratio Lower Upper

64 100

66 33.2 25.5 38.3





#7

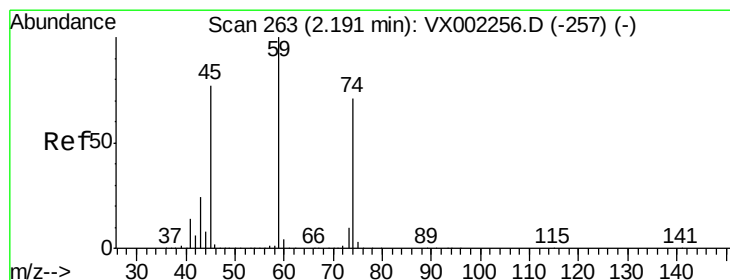
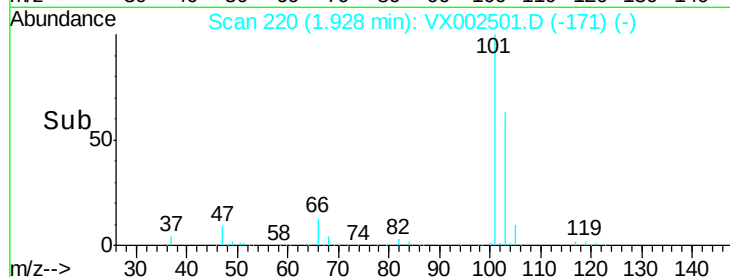
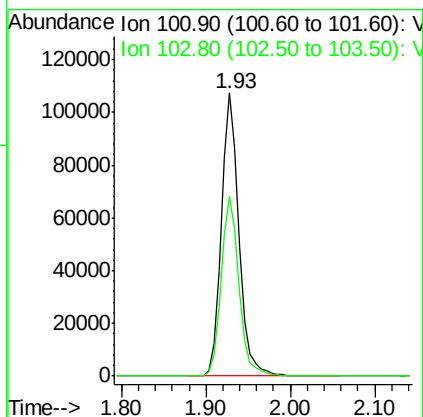
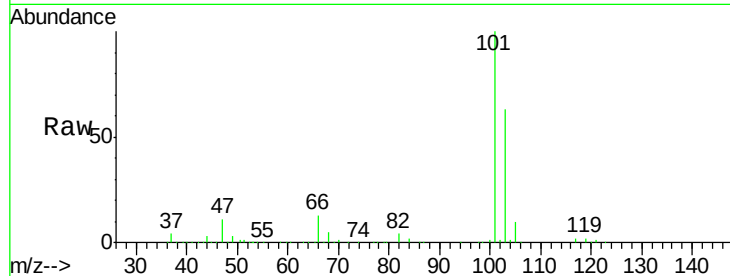
Trichlorofluoromethane
Concen: 44.851 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.8	79.2

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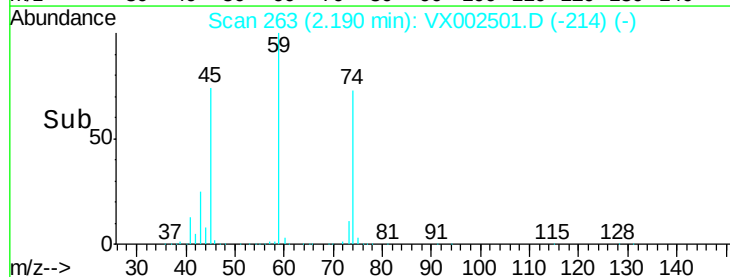
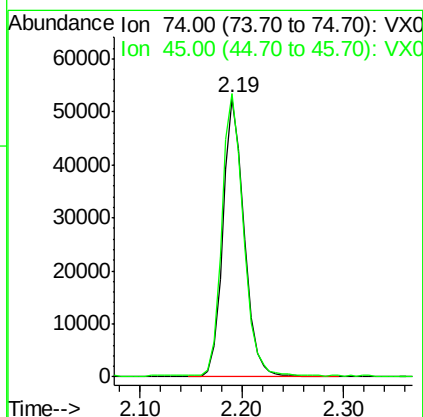
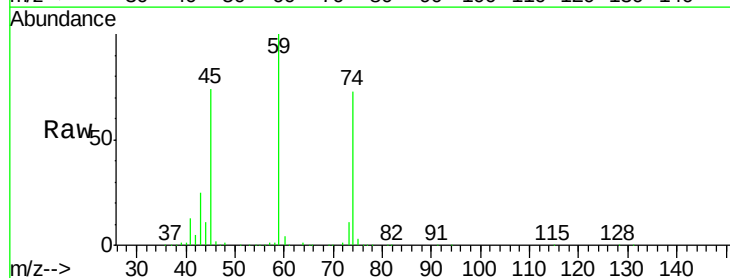
MMDadoda
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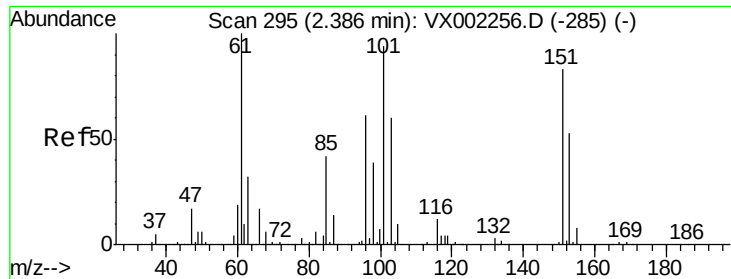


#8

Diethyl Ether
Concen: 62.647 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.6	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.674 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 82969

Ion Ratio Lower Upper

101 100

85 45.3 36.0 54.0

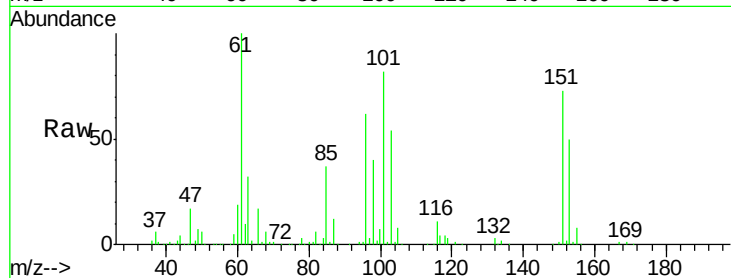
151 87.1 70.9 106.3

Manual Integrations

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MMDadoda

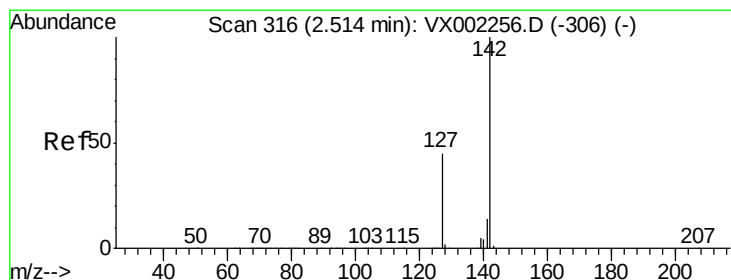
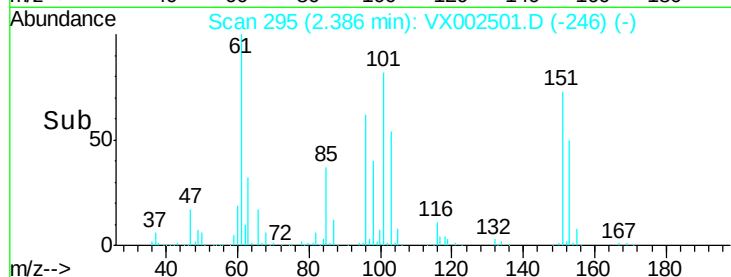
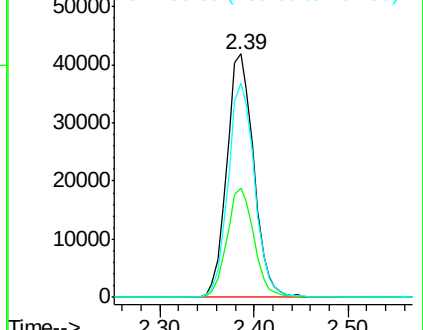
6/14/2018 11:29:23 AM



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: 41.543 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

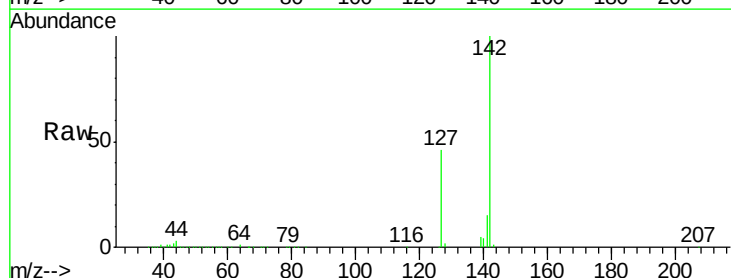
Tgt Ion:142 Resp: 108521

Ion Ratio Lower Upper

142 100

127 46.6 36.6 55.0

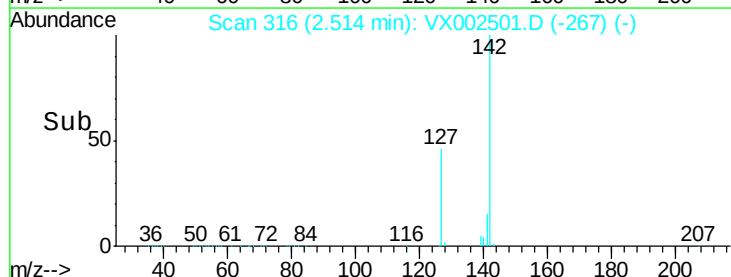
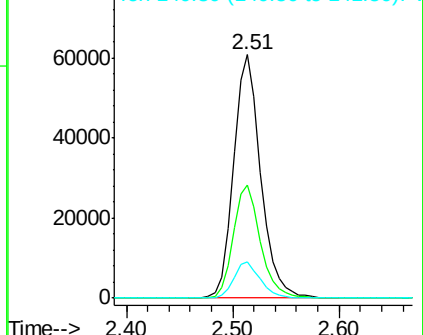
141 14.8 11.3 16.9

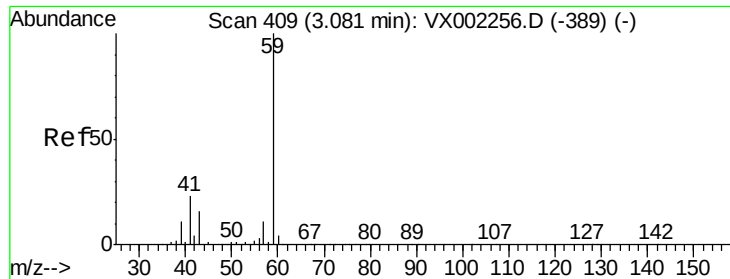


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

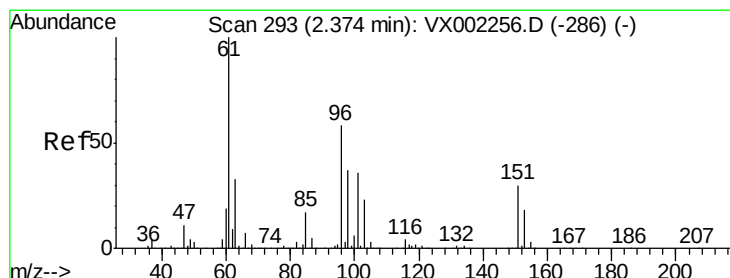
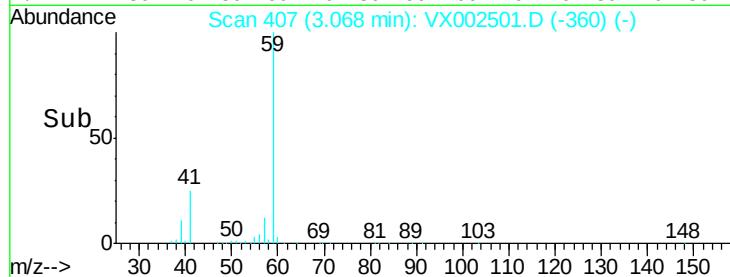
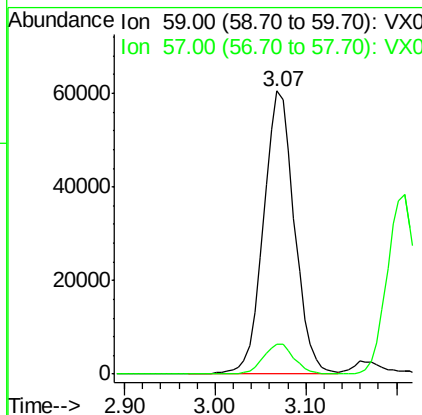
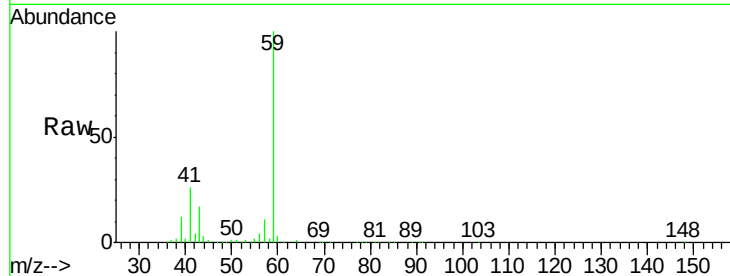
Tert butyl alcohol
 Concen: 285.800 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX002501.D
 Acq: 13 Jun 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	142979		
57	57	10.6		8.2	12.2

Manual Integrations
 APPROVED

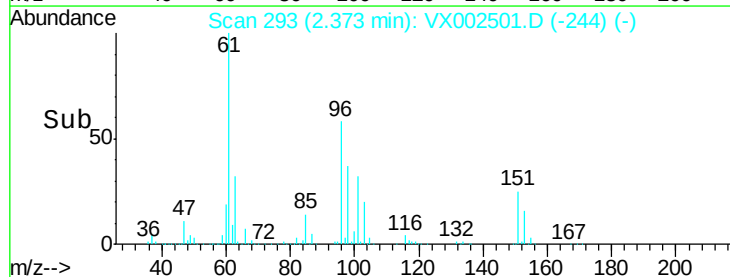
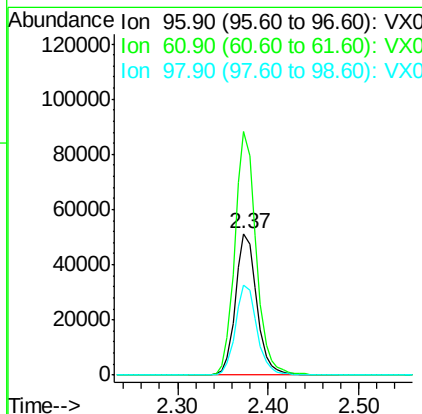
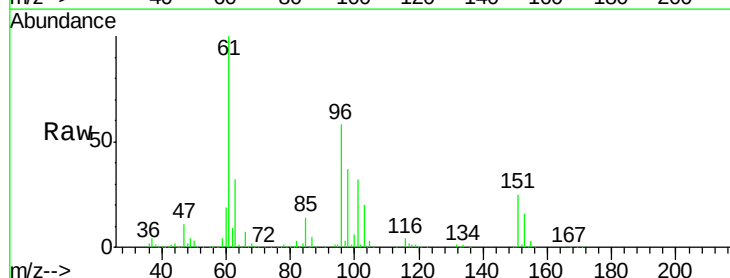
MMDadoda
 6/14/2018 11:29:23 AM

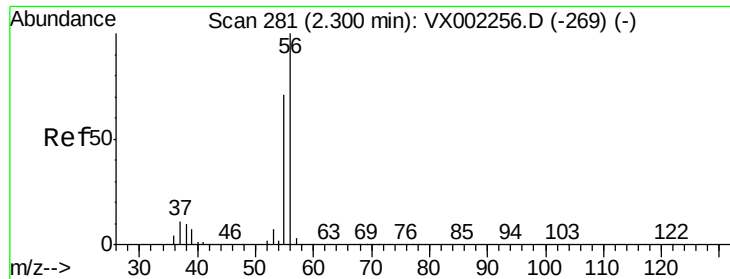


#12

1,1-Dichloroethene
 Concen: 45.652 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002501.D
 Acq: 13 Jun 2018 10:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	83791		
61	61	172.1		137.9	206.9
98	98	64.1		51.6	77.4





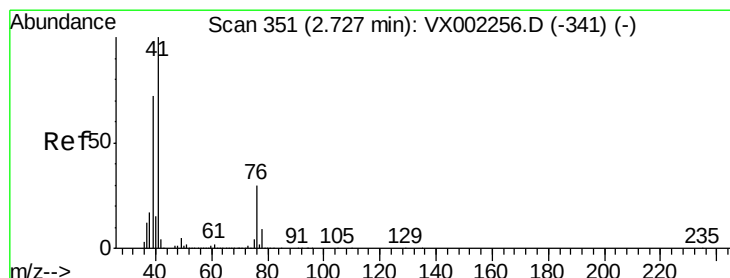
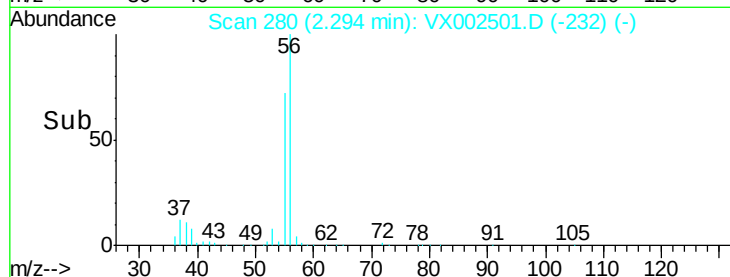
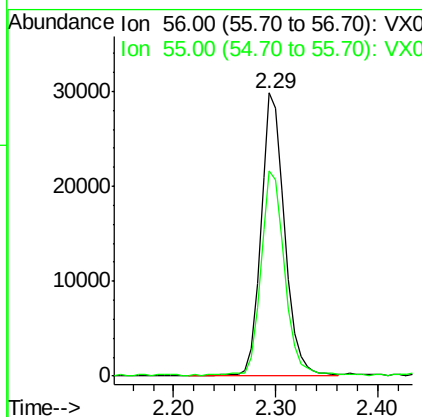
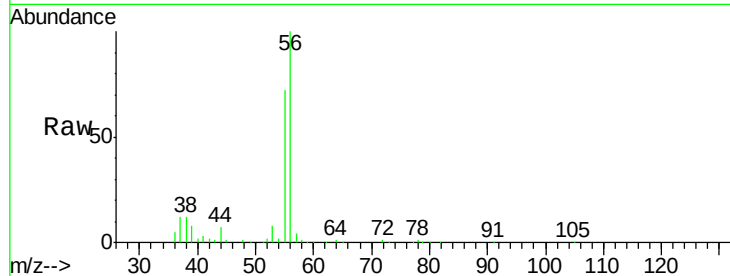
#13
Acrolein
Concen: 195.841 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.1	57.0	85.4

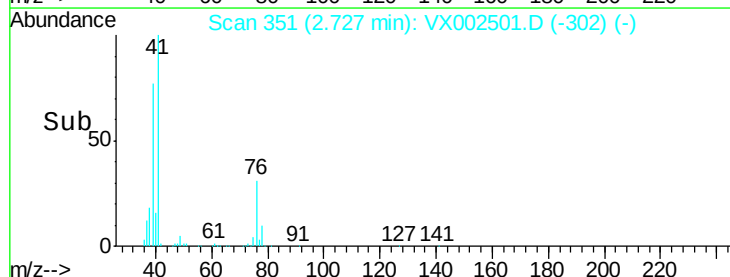
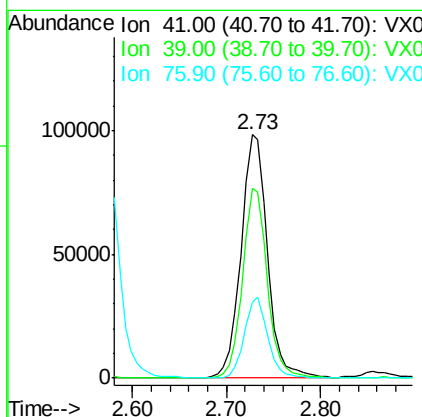
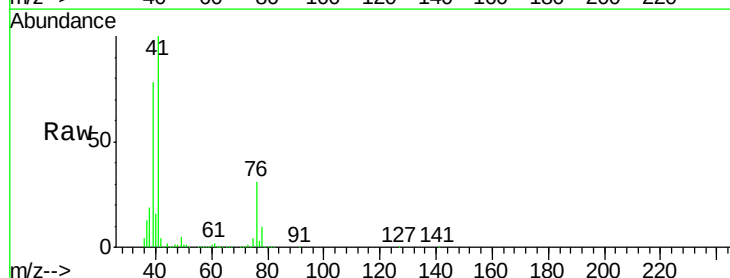
Manual Integrations
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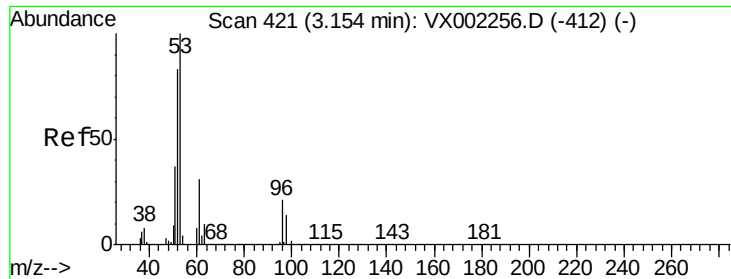
MMDadoda
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#14
Allyl chloride
Concen: 48.342 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Tgt Ion	Ratio	Lower	Upper
41	100		
39	72.7	56.8	85.2
76	29.3	23.8	35.8





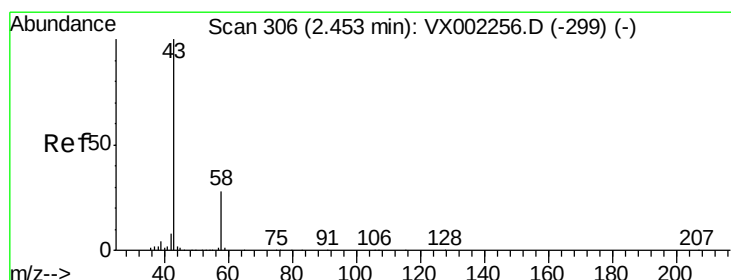
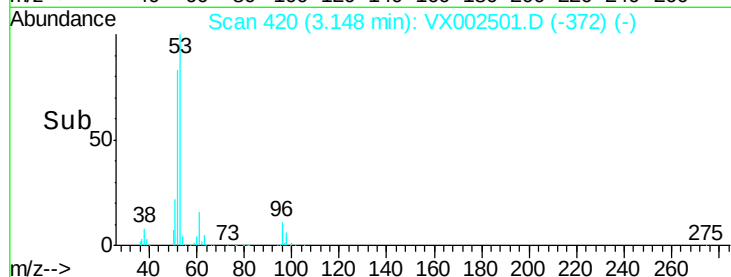
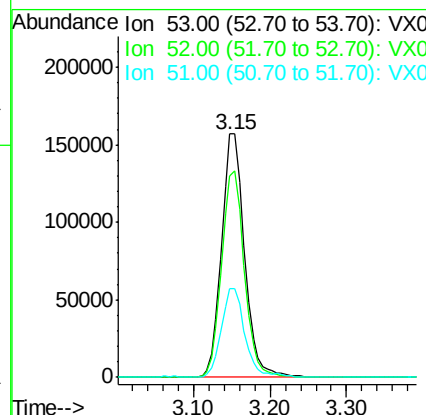
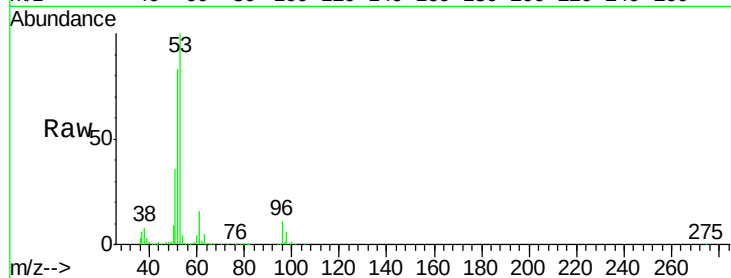
#15
Acrylonitrile
Concen: 312.837 ug/l
RT: 3.15 min Scan# 420
Delta R.T. -0.01 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.7	100.1
51	37.6	29.9	44.9

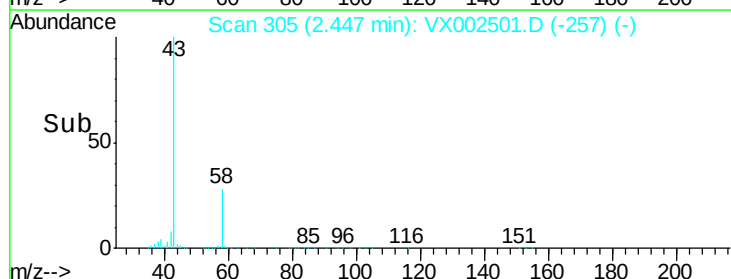
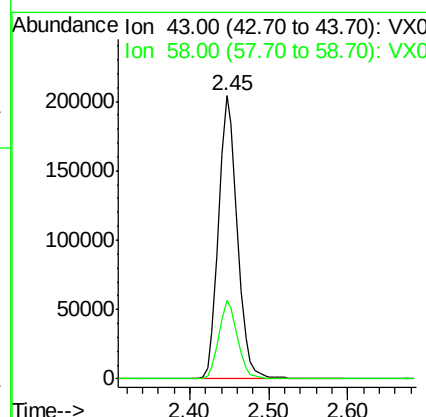
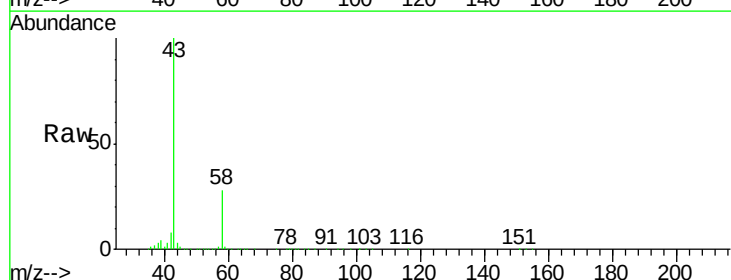
Manual Integrations
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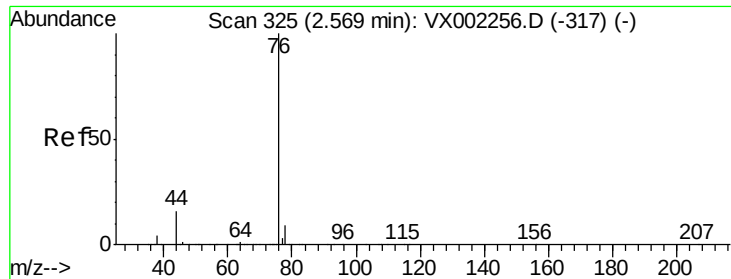
MMDadoda
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#16
Acetone
Concen: 323.151 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.1	33.1





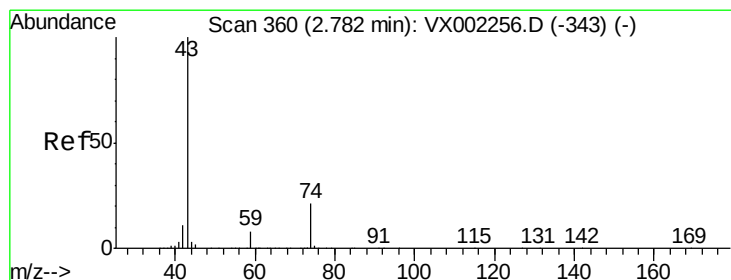
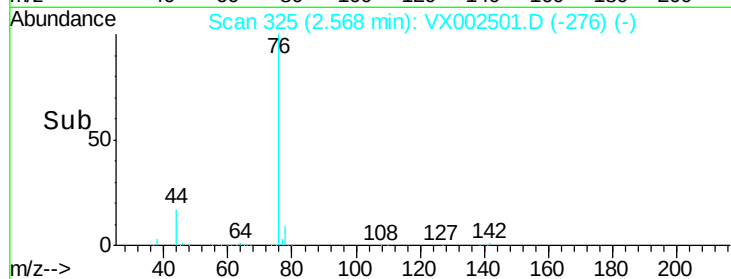
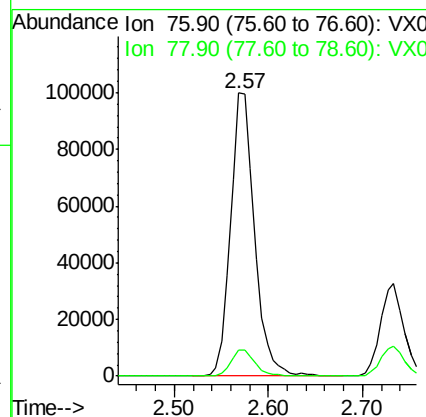
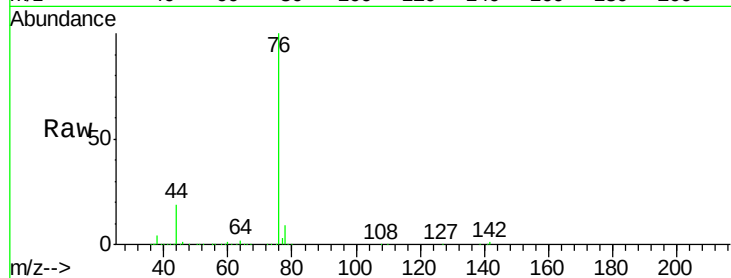
#17
Carbon Disulfide
Concen: 36.536 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3

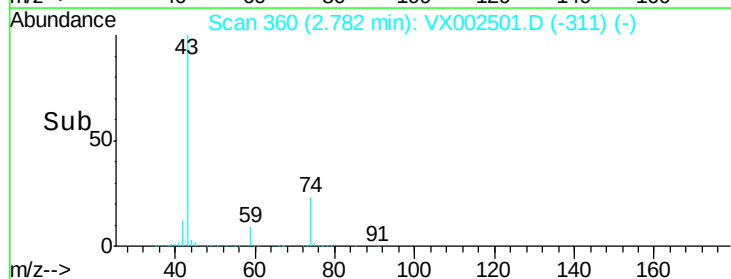
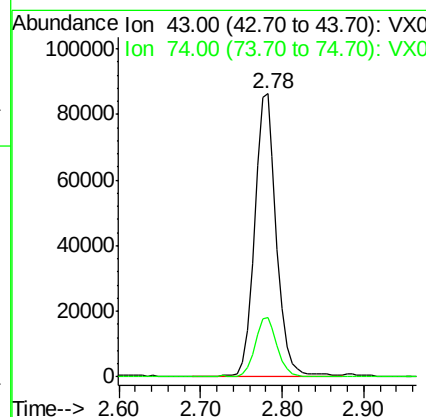
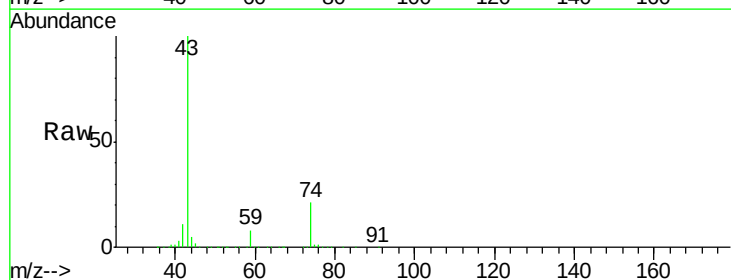
Manual Integrations
APPROVED

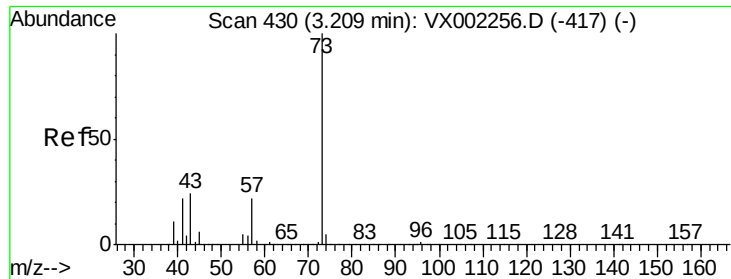
MMDadoda
6/14/2018 11:29:23 AM



#18
Methyl Acetate
Concen: 65.737 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	16.7	25.1





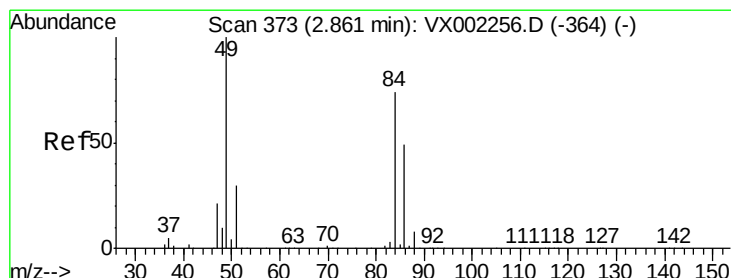
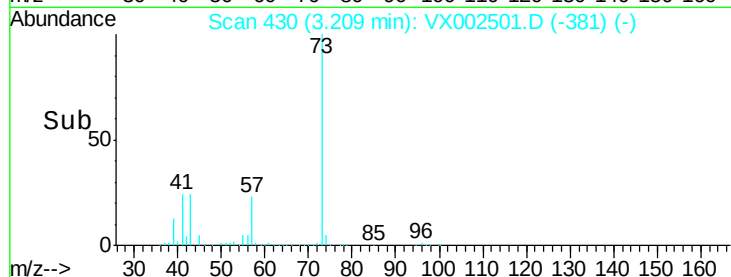
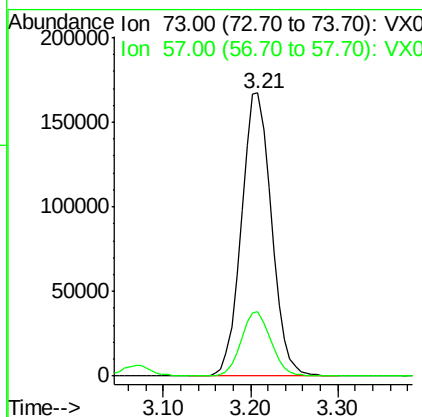
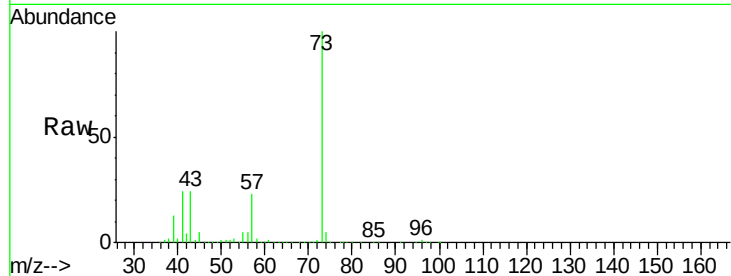
#19
Methyl tert-butyl Ether
Concen: 63.149 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.7	26.5

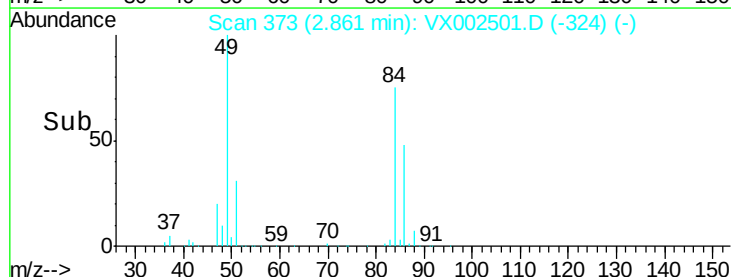
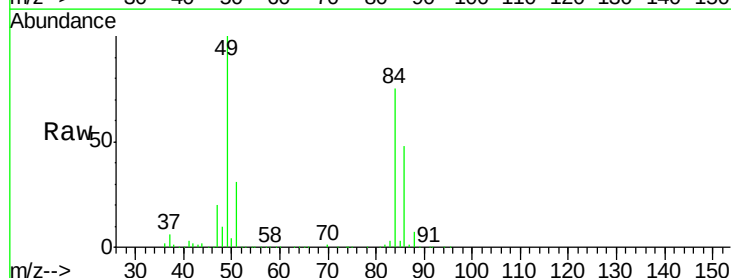
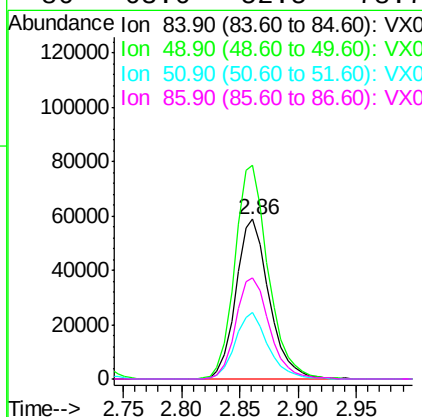
Manual Integrations
APPROVED

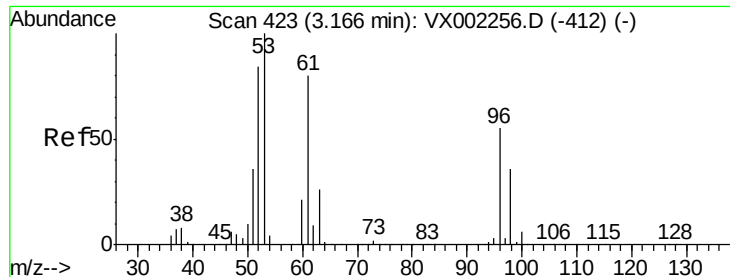
MMDadoda
6/14/2018 11:29:23 AM



#20
Methylene Chloride
Concen: 60.791 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.7	107.8	161.6
51	41.7	32.8	49.2
86	63.6	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 47.873 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

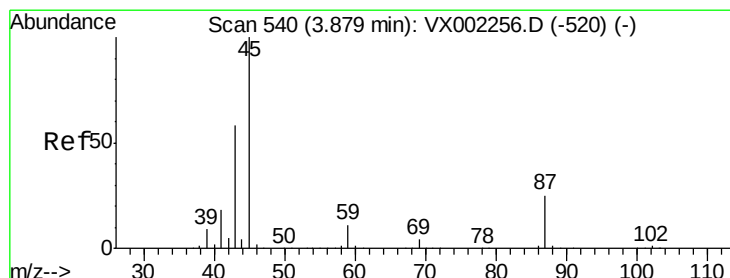
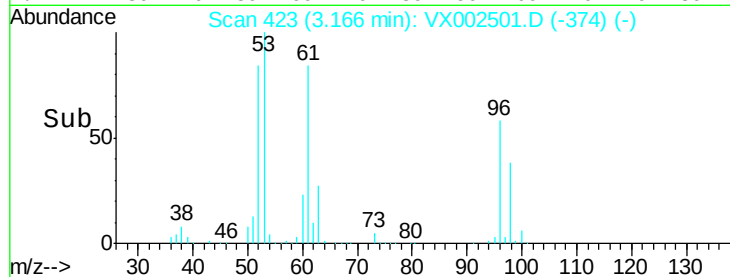
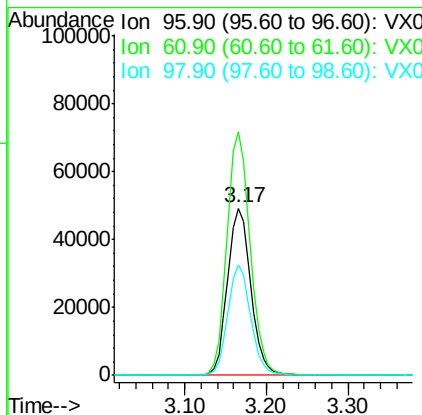
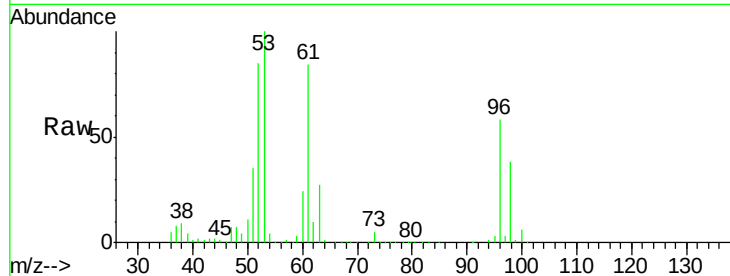
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	96895
Ion	Ratio	Lower	Upper
96	100		
61	145.4	117.0	175.4
98	66.1	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 63.228 ug/l

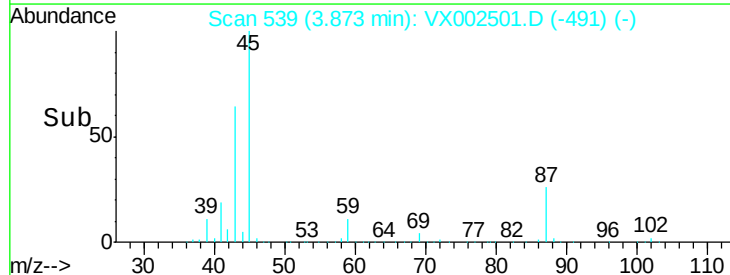
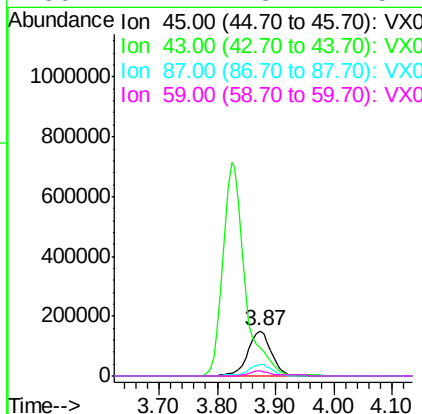
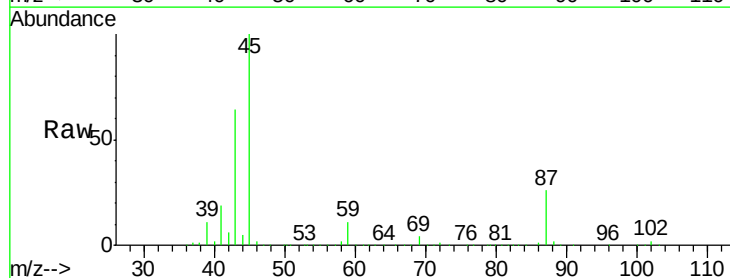
RT: 3.87 min Scan# 539

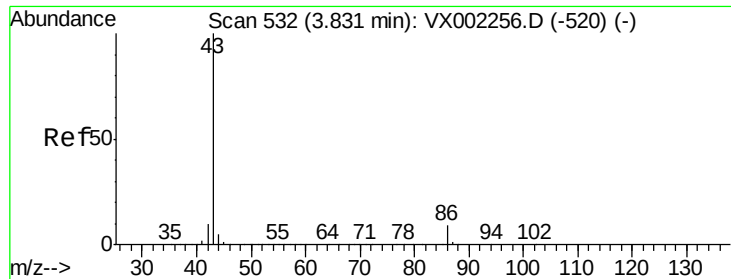
Delta R.T. -0.01 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Tgt Ion:	45	Resp:	418124
Ion	Ratio	Lower	Upper
45	100		
43	64.1	46.8	70.2
87	26.4	20.2	30.4
59	11.2	8.7	13.1





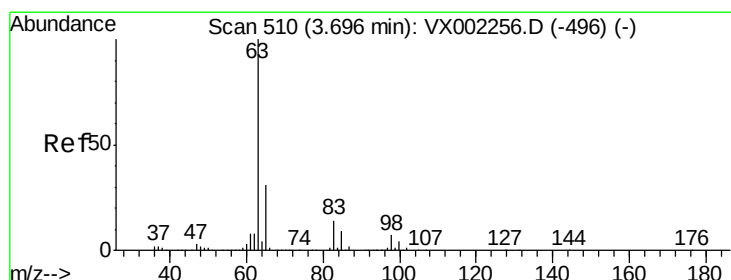
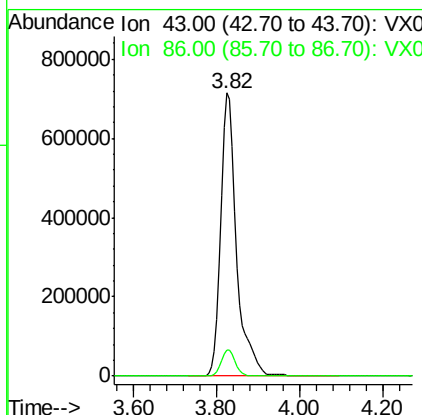
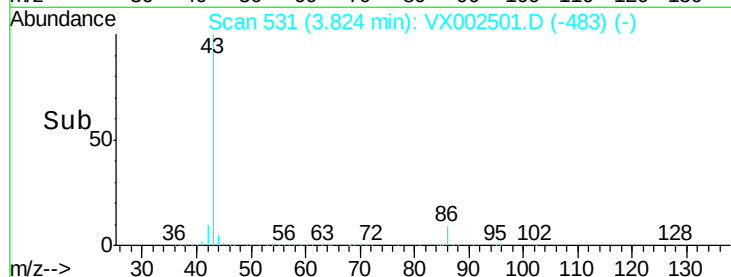
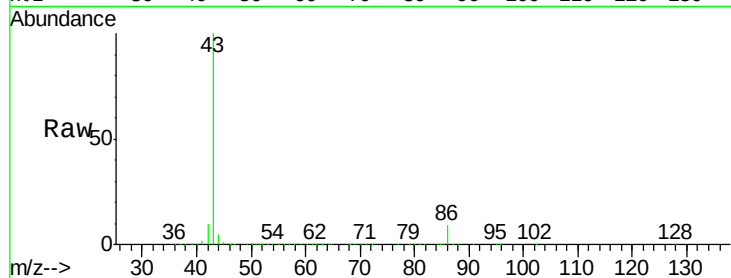
#23
 Vinyl Acetate
 Concen: 289.665 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VX002501.D
 Acq: 13 Jun 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1870395
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.4 11.0

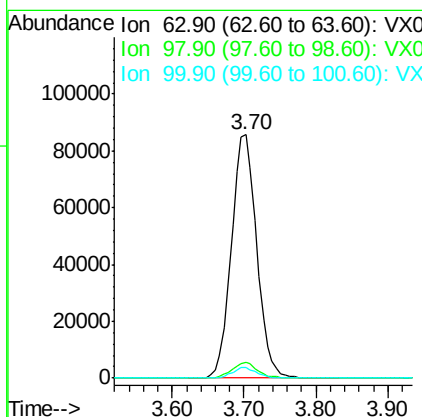
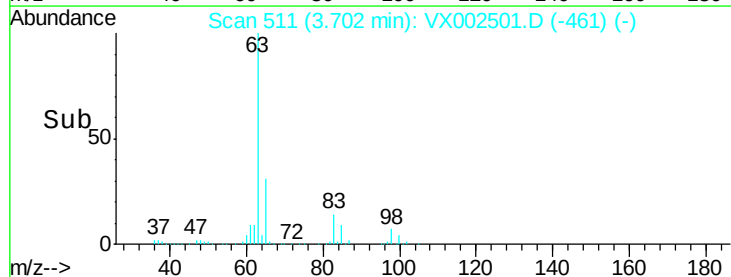
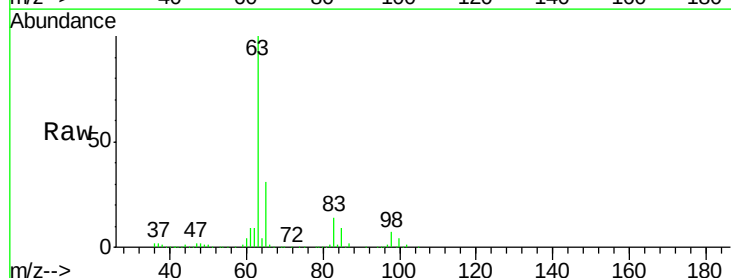
Manual Integrations
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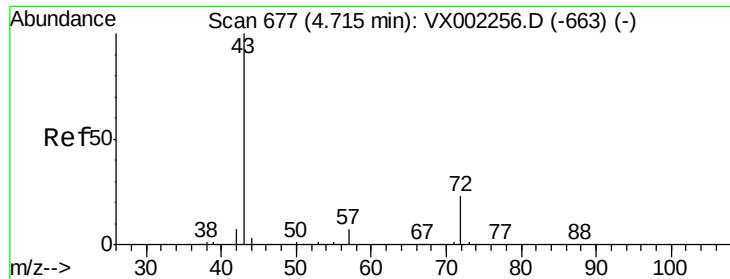
MMDadoda
 6/14/2018 11:29:23 AM



#24
 1,1-Dichloroethane
 Concen: 53.194 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VX002501.D
 Acq: 13 Jun 2018 10:05

Tgt Ion: 63 Resp: 209414
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.4 10.2
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 251.468 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 425098

Ion Ratio Lower Upper

43 100

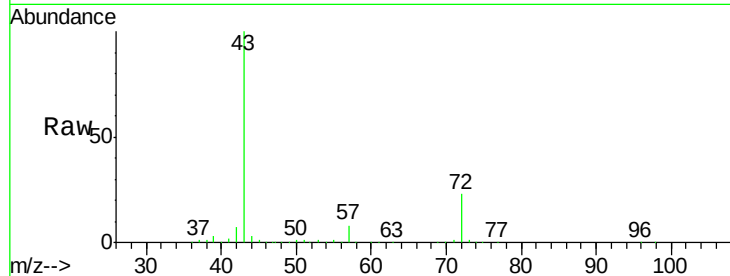
72 23.3 18.5 27.7

Manual Integrations

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MMDadoda

6/14/2018 11:29:23 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

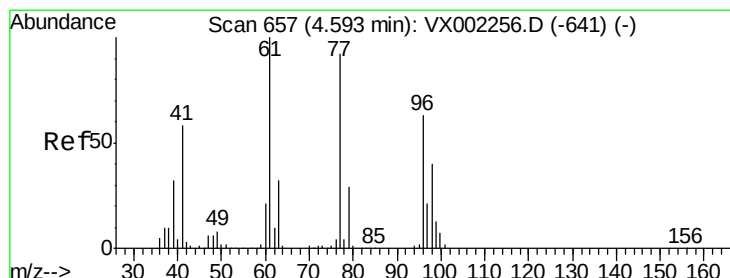
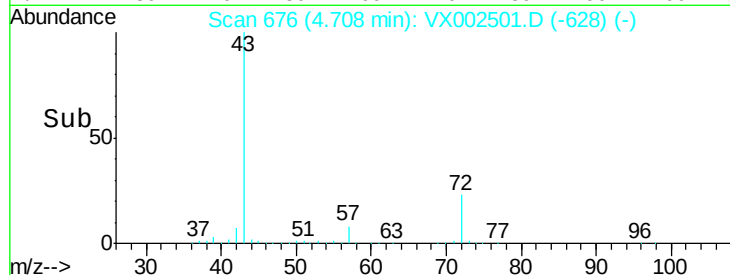
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 43.408 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX002501.D

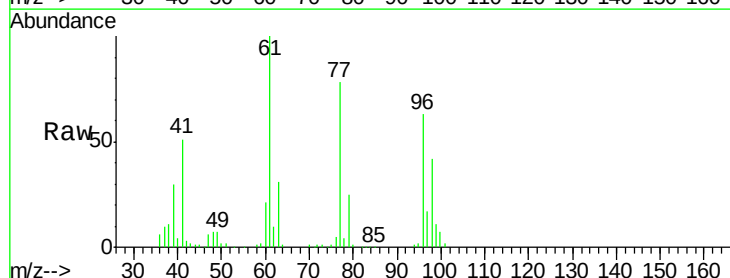
Acq: 13 Jun 2018 10:05

Tgt Ion: 77 Resp: 133579

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

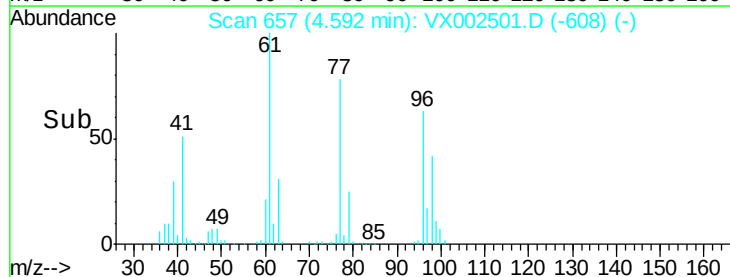
20000

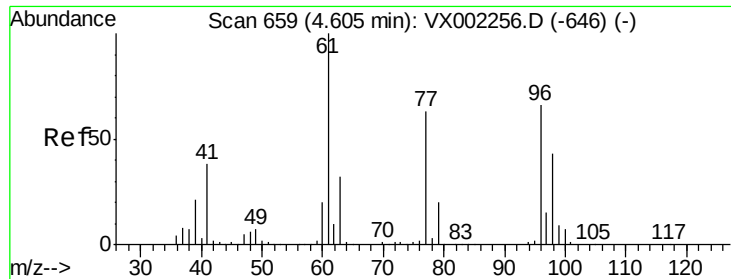
10000

0

4.50 4.60 4.70

Time-->





#27

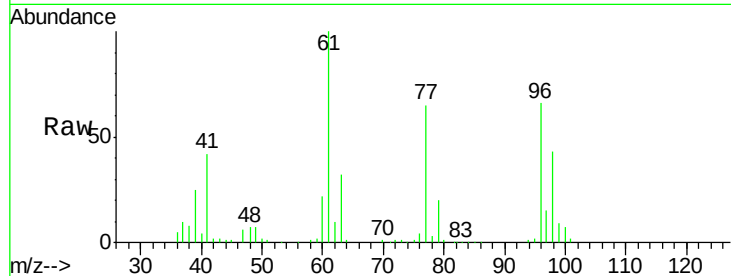
cis-1,2-Dichloroethene
Concen: 48.647 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

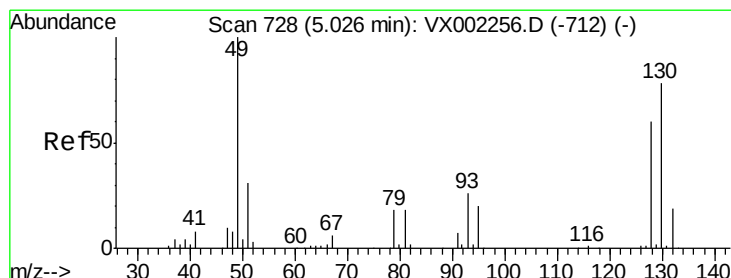
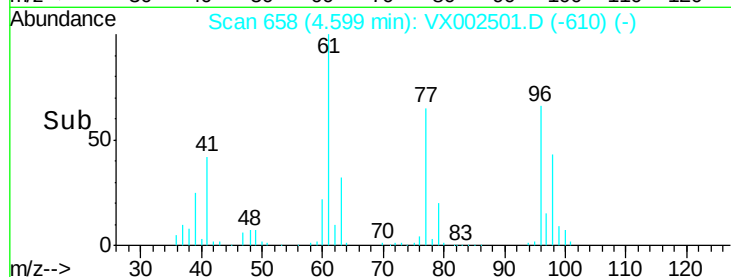
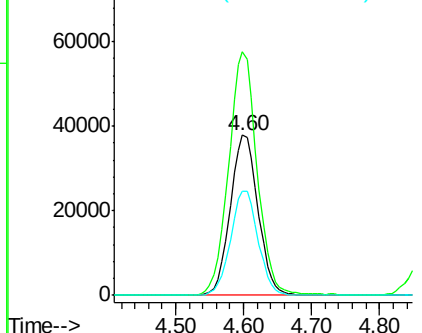
Tot Ion	Ratio	Resp	Lower	Upper
96	100	107082		
61	156.2		0.0	330.2
98	65.0		0.0	130.2

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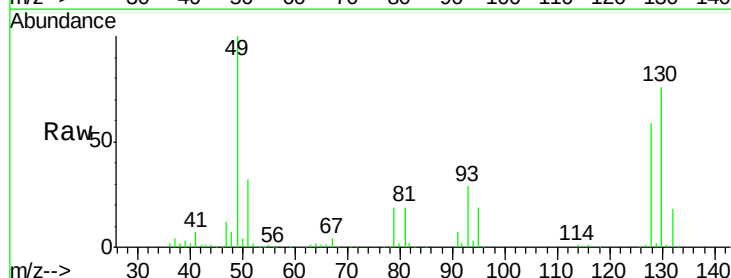
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



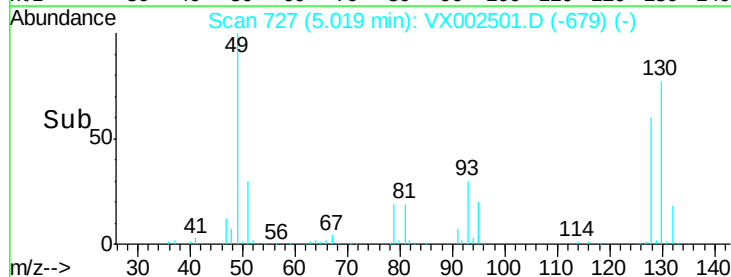
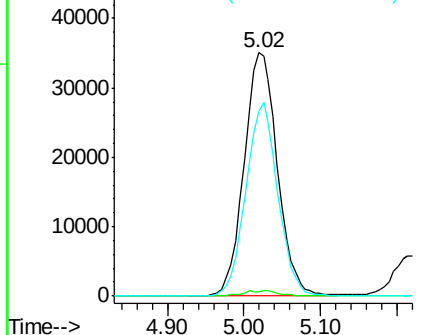
#28

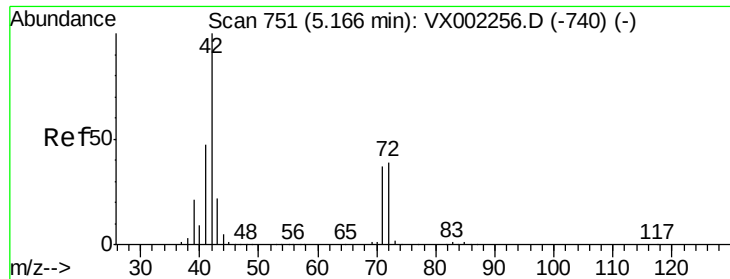
Bromochloromethane
Concen: 64.433 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	106160		
129	2.3		0.0	4.2
130	76.3		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





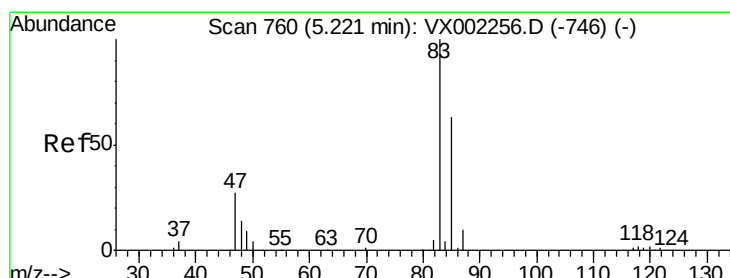
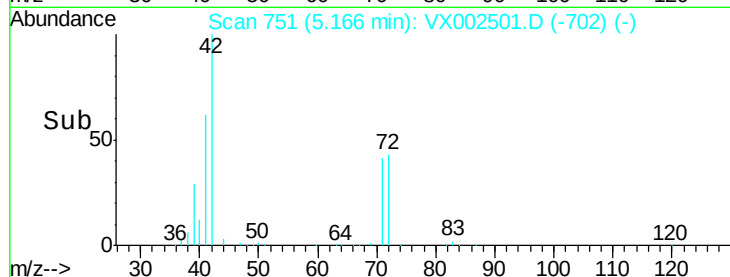
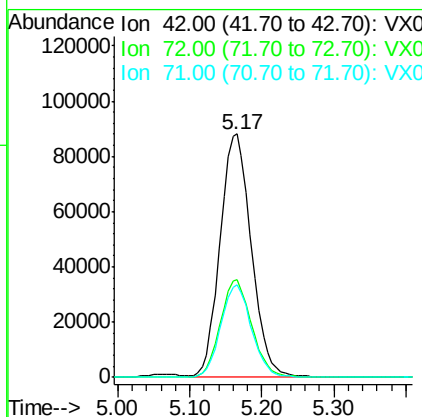
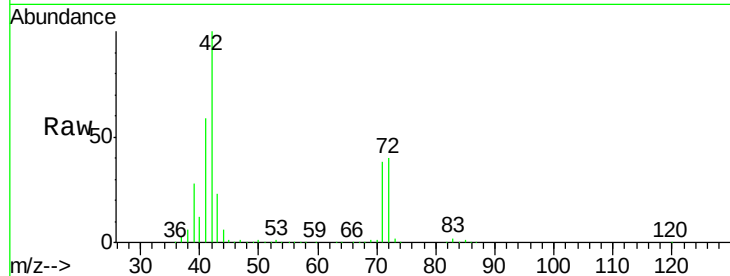
#29
Tetrahydrofuran
Concen: 243.636 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	265541
Ion Ratio	Lower	Upper	
42	100		
72	40.4	32.0	48.0
71	37.5	30.1	45.1

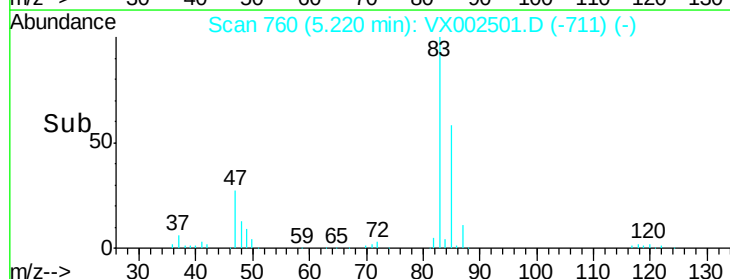
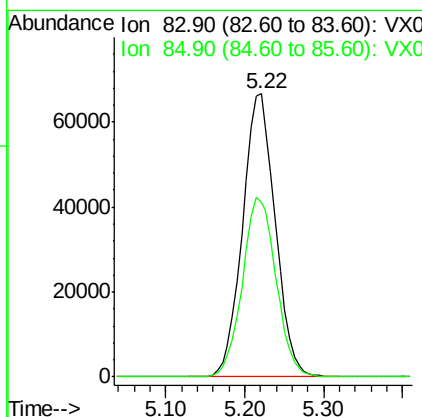
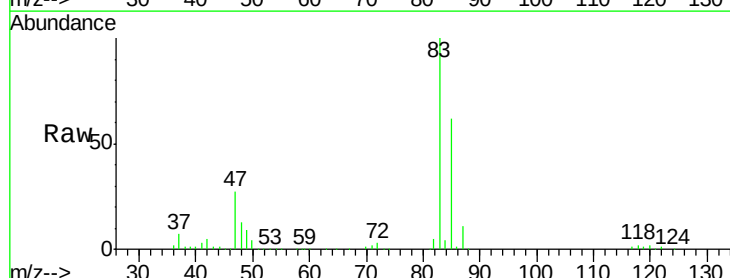
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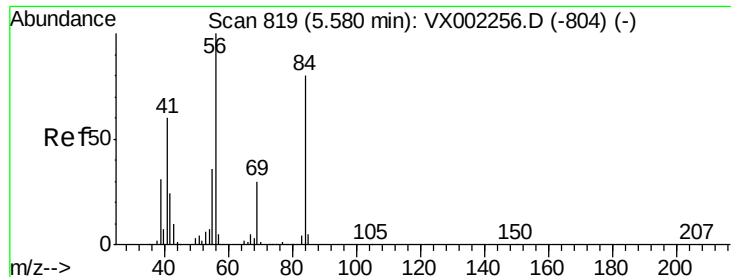
MMDadoda
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#30
Chloroform
Concen: 50.654 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Tgt Ion:	83	Resp:	192424
Ion Ratio	Lower	Upper	
83	100		
85	61.8	50.4	75.6





#31

Cyclohexane

Concen: 37.580 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

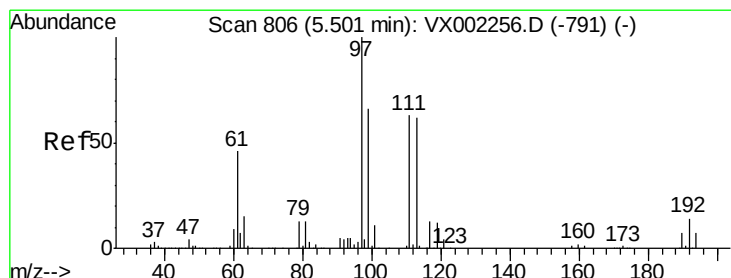
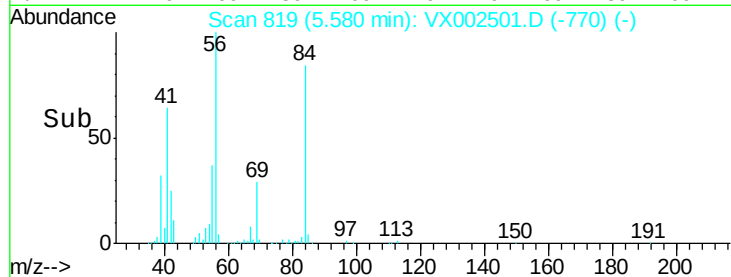
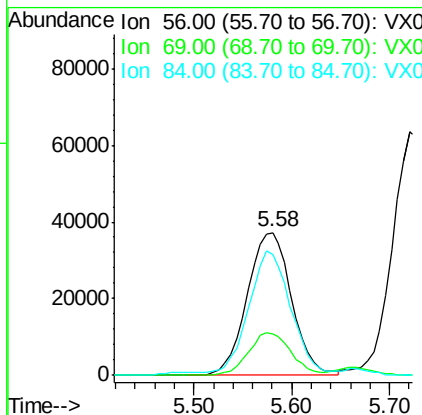
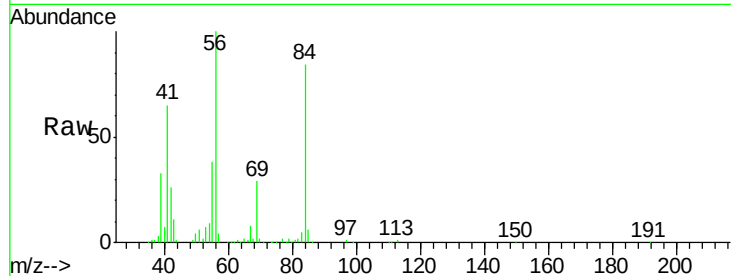
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	116986
Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.7	35.5
84	82.1	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.636 ug/l

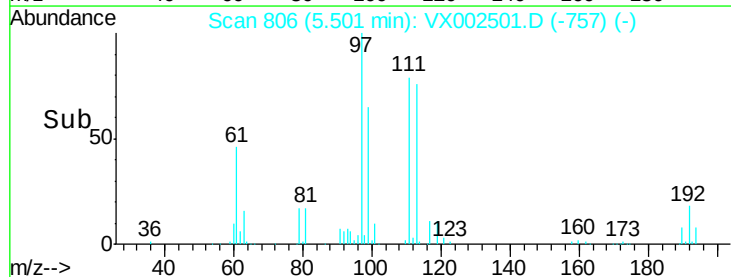
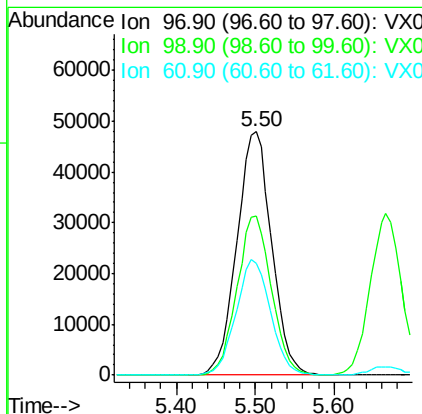
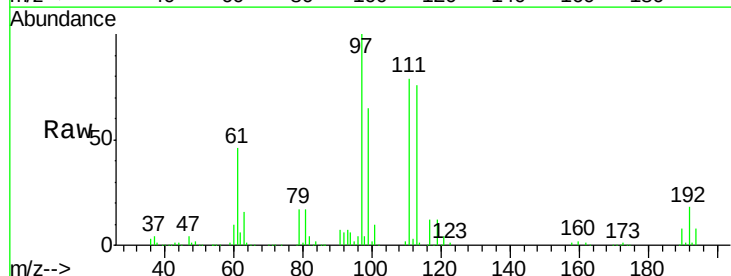
RT: 5.50 min Scan# 806

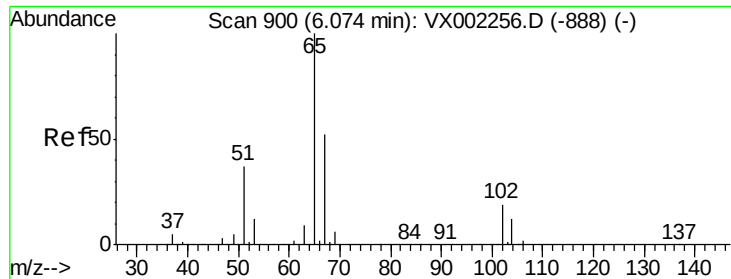
Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Tgt Ion:	97	Resp:	147025
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	47.2	36.4	54.6





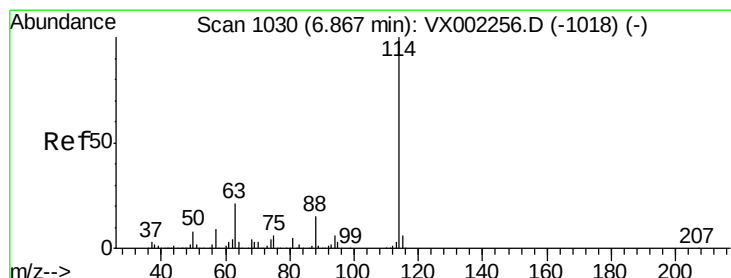
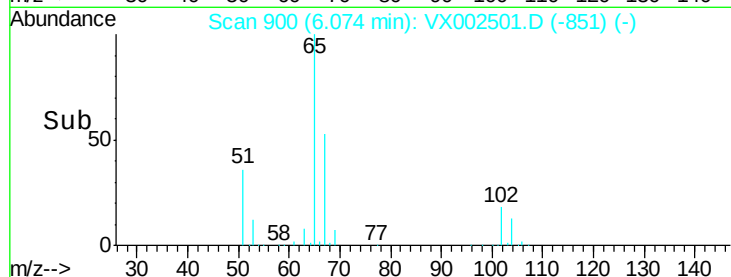
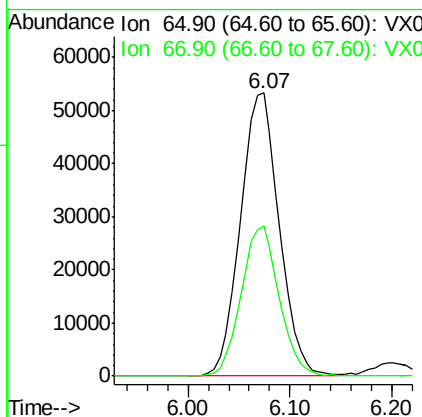
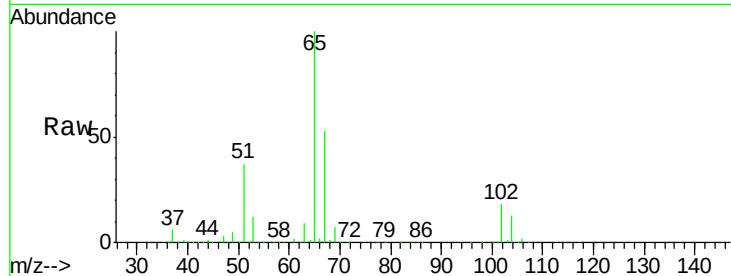
#33
 1,2-Dichloroethane-d4
 Concen: 57.681 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002501.D
 Acq: 13 Jun 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140899		
67	51.8	0.0	102.6	

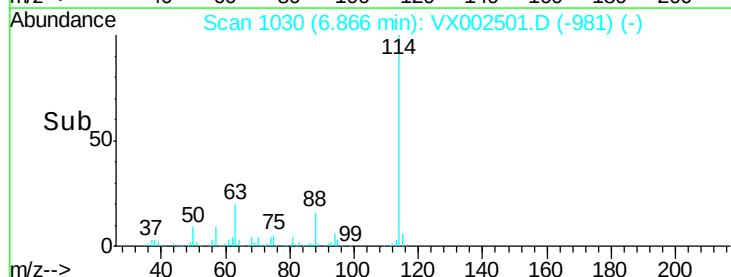
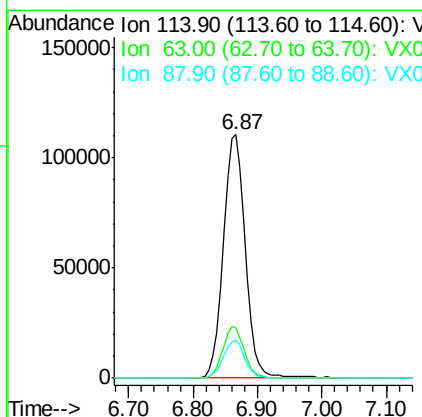
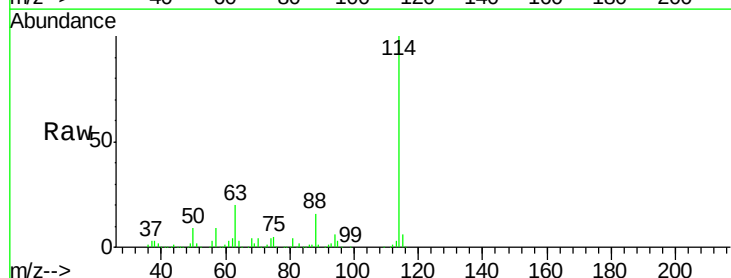
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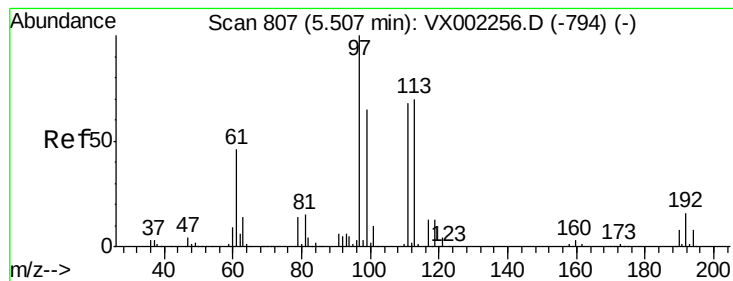
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002501.D
 Acq: 13 Jun 2018 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	266654		
63	20.4	0.0	41.4	
88	15.5	0.0	30.0	





#35

Dibromofluoromethane

Concen: 50.972 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

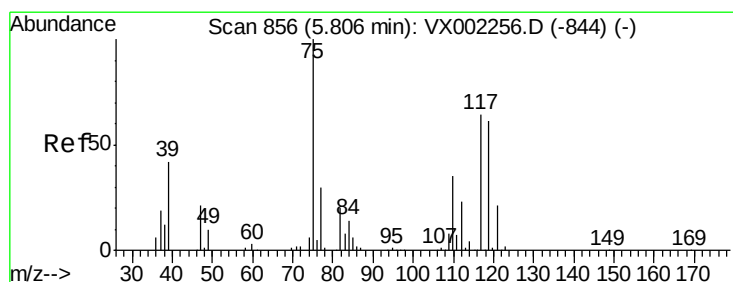
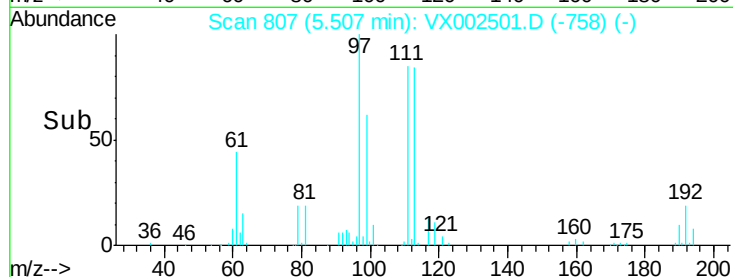
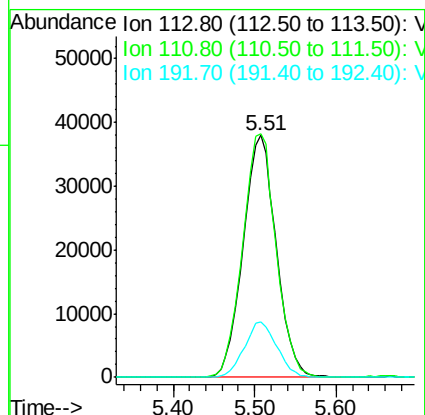
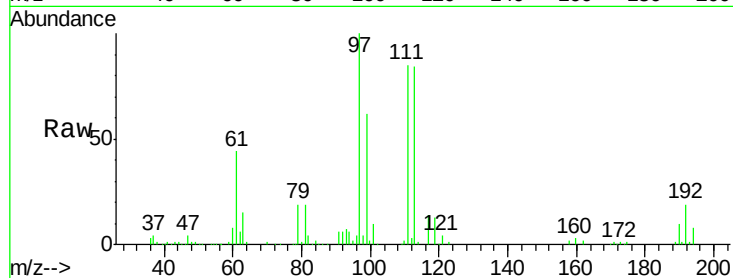
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	106887
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.4	122.0
192	22.7	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 42.727 ug/l

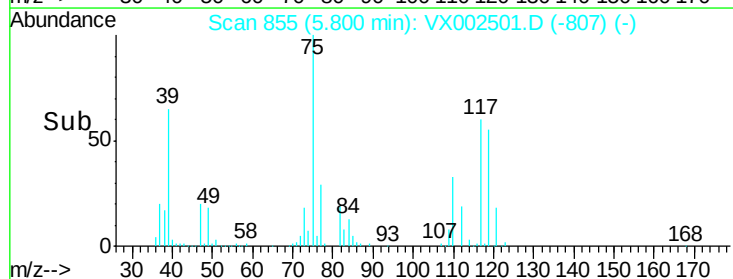
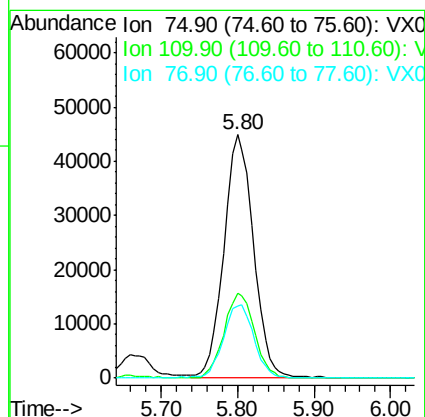
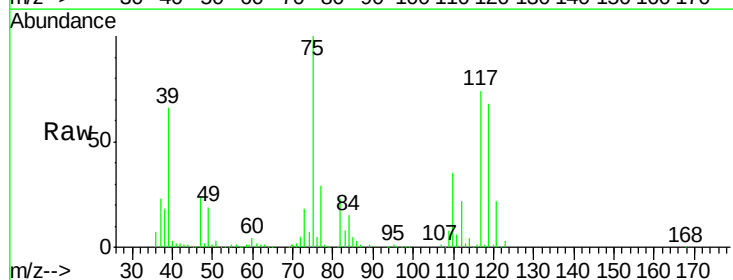
RT: 5.80 min Scan# 855

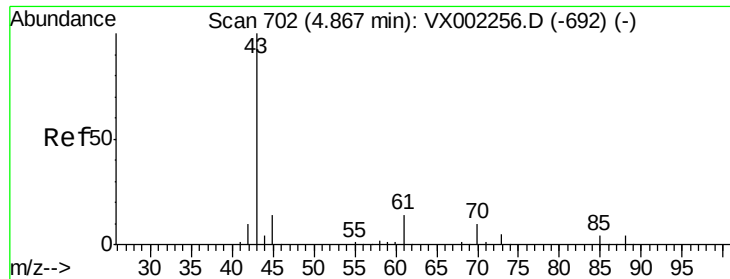
Delta R.T. -0.01 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Tgt Ion:	75	Resp:	119777
Ion Ratio	Lower	Upper	
75	100		
110	36.1	18.1	54.4
77	30.8	24.3	36.5





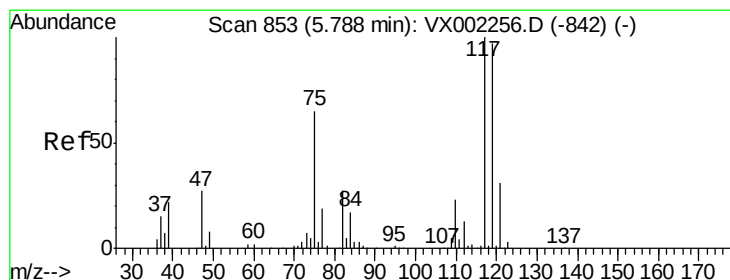
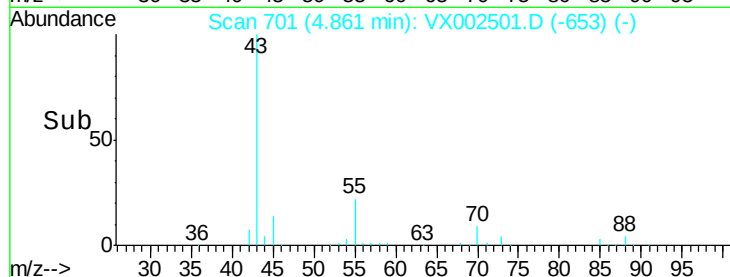
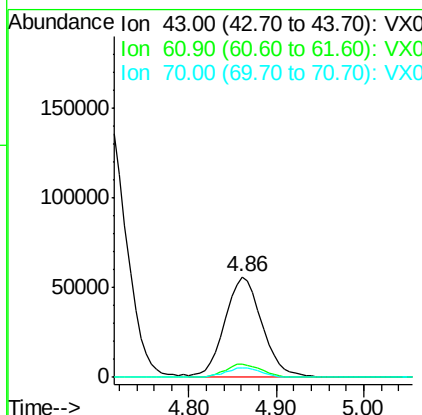
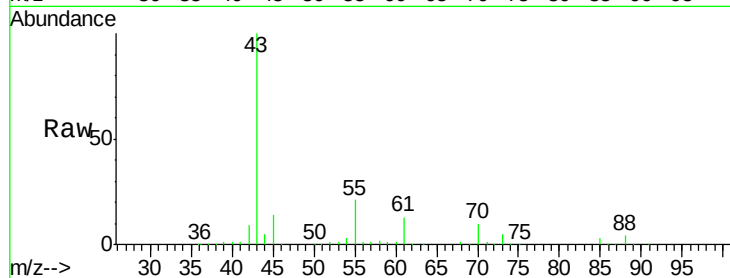
#37
Ethyl Acetate
Concen: 48.526 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.4	15.6
70	9.6	7.6	11.4

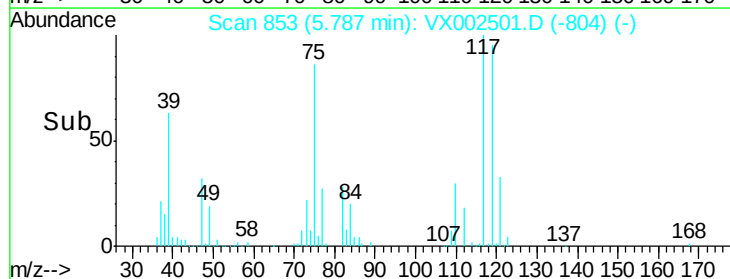
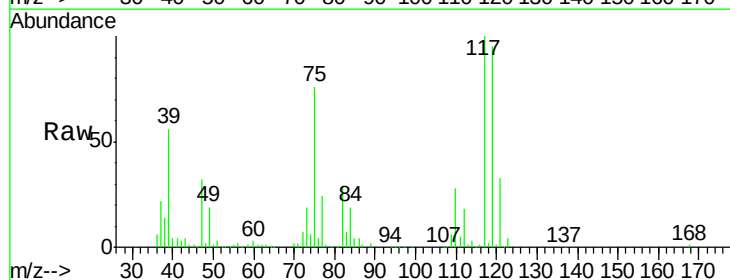
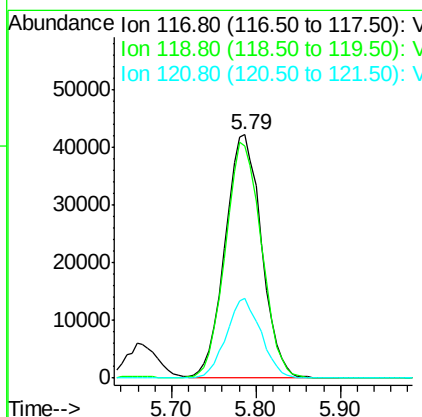
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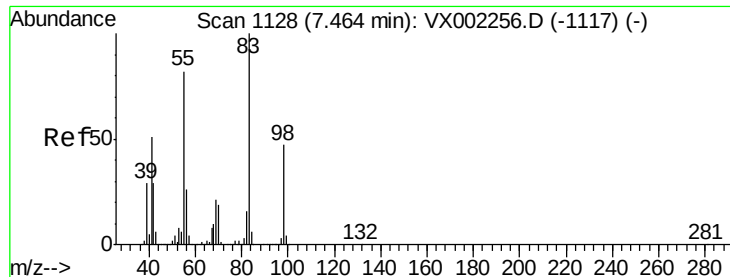
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#38
Carbon Tetrachloride
Concen: 42.264 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.4	116.0
121	32.5	24.4	36.6





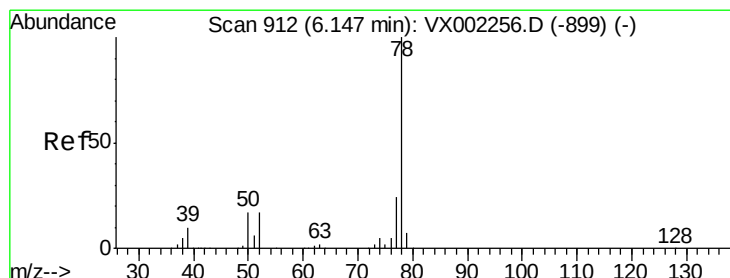
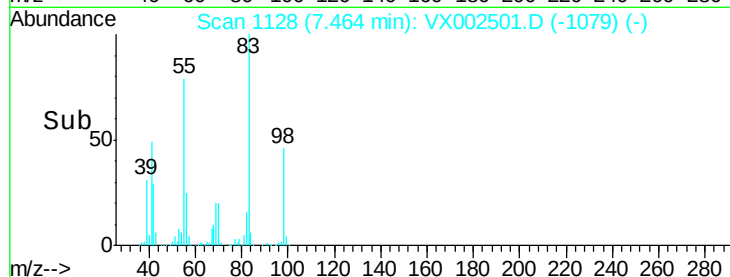
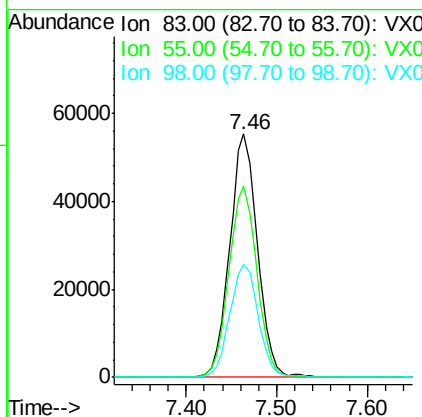
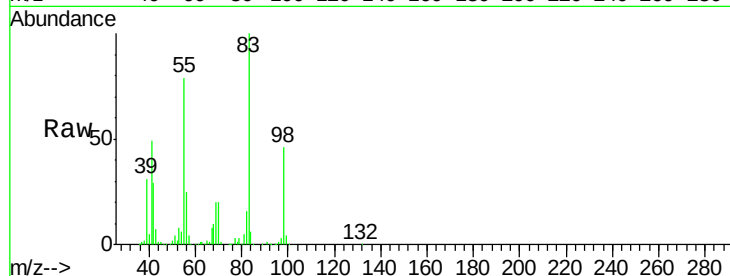
#39
Methylvlcyclohexane
Concen: 34.068 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	65.4	98.0
98	46.4	37.4	56.0

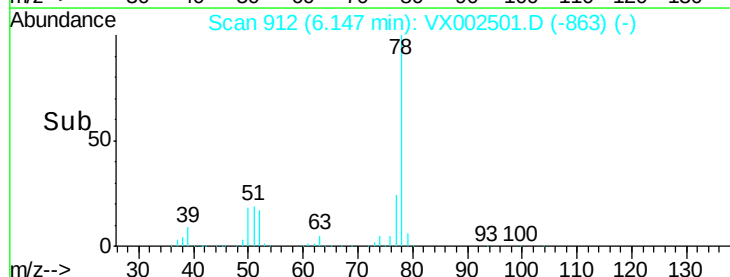
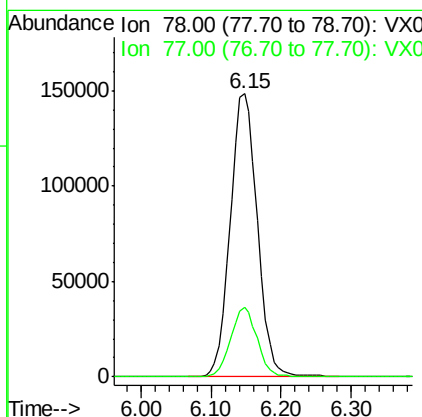
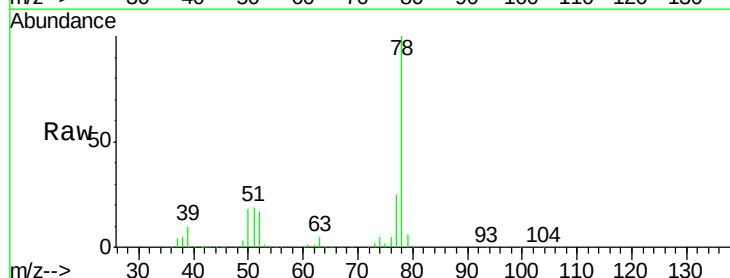
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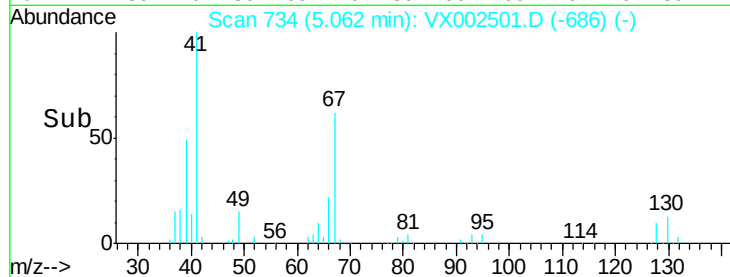
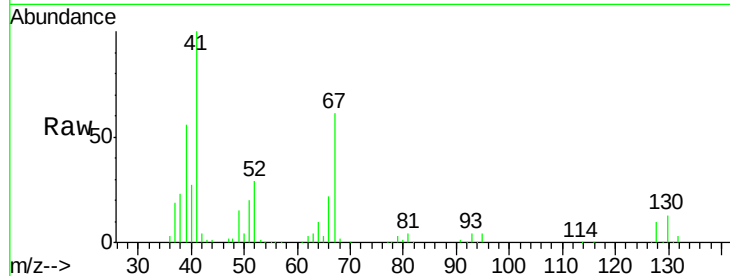
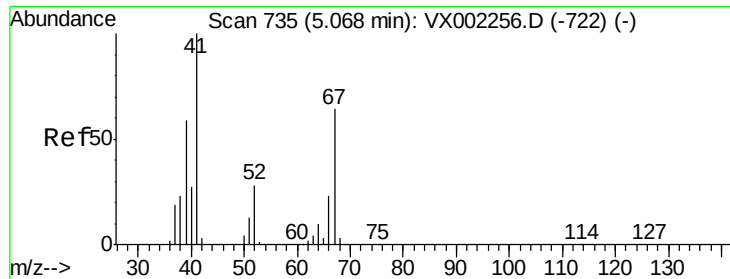
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#40
Benzene
Concen: 46.530 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

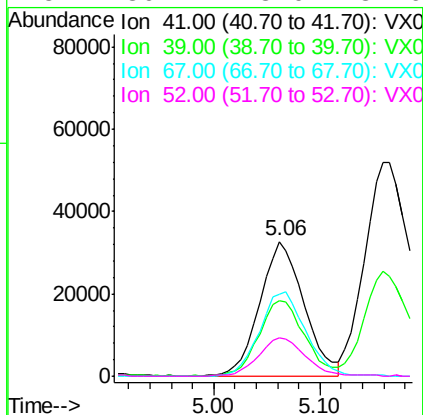
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.1	28.7





#41
Methacrylonitrile
Concen: 48.716 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

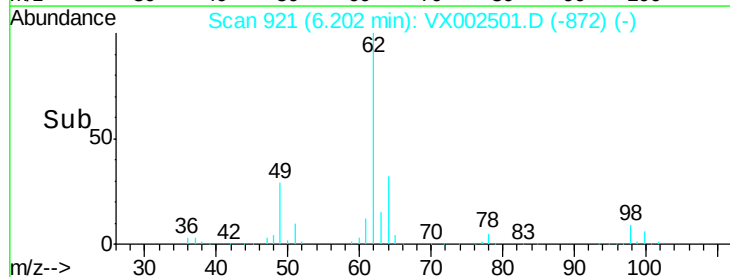
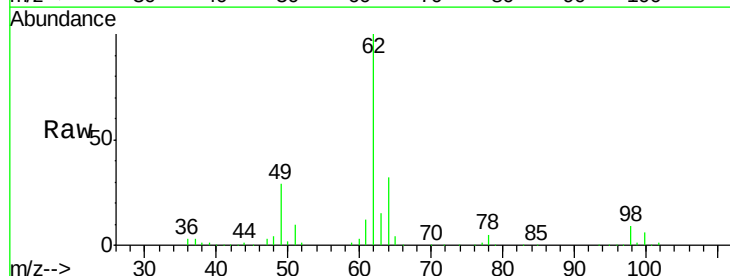
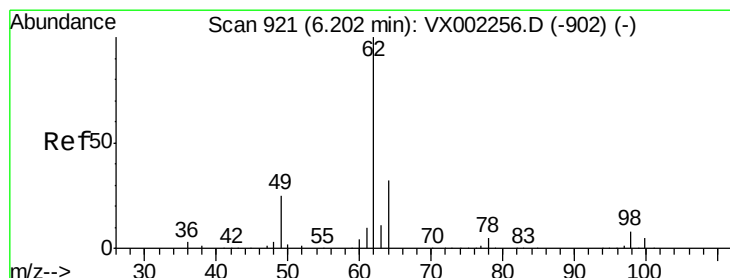
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		94016		
39	57.7	45.8	68.6		
67	66.0	51.3	76.9		
52	30.2	23.0	34.6		



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

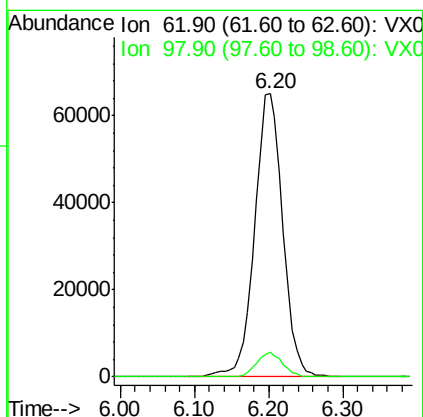
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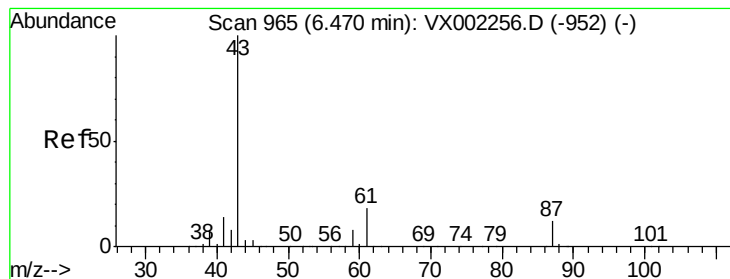
MMDadoda
6/14/2018 11:29:23 AM



#42
1,2-Dichloroethane
Concen: 50.398 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		172109		
98	8.2	0.0	16.6		





#43

Isopropyl Acetate

Concen: 48.873 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

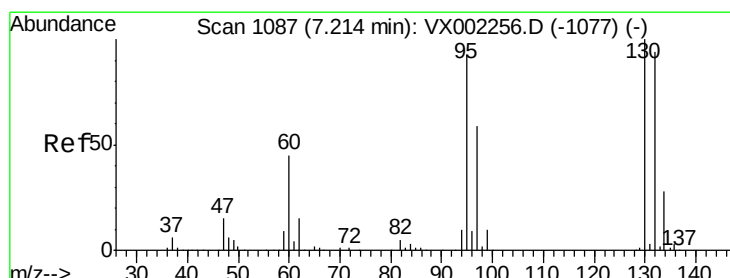
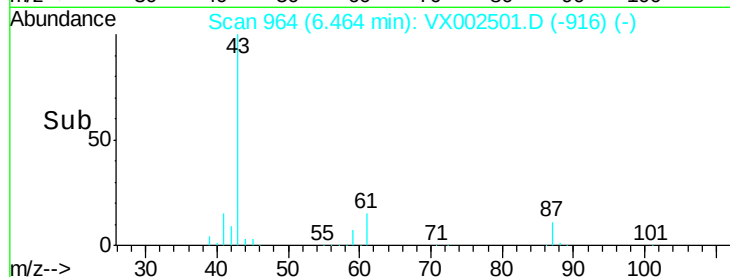
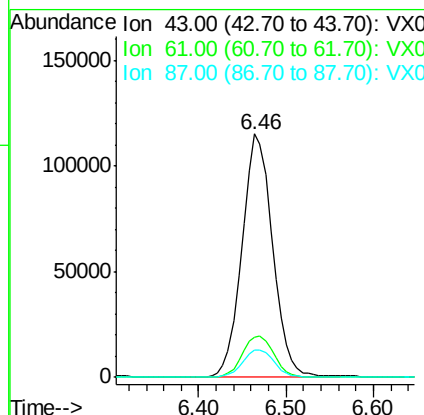
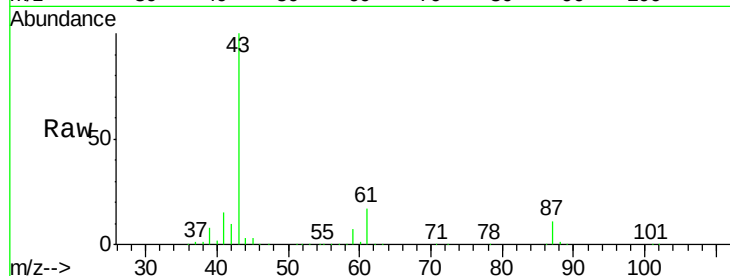
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	279852
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.4	21.6
87	11.8	9.5	14.3

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#44

Trichloroethene

Concen: 46.096 ug/l

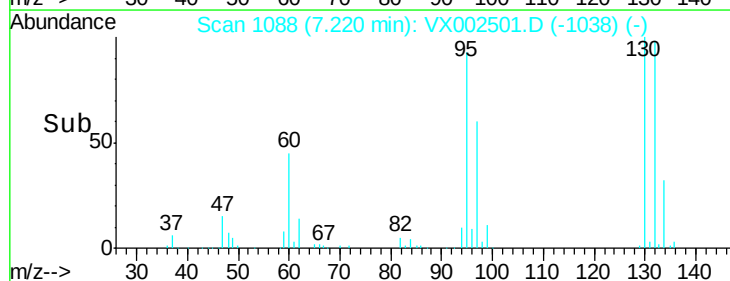
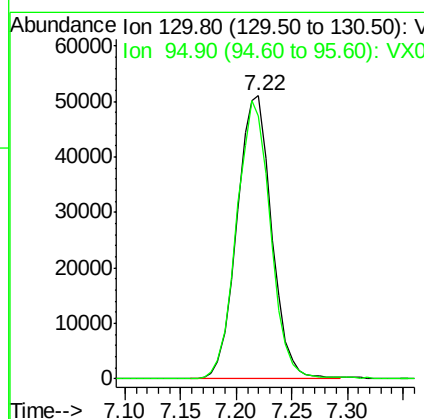
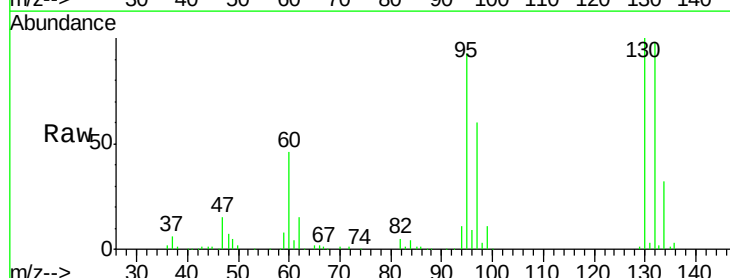
RT: 7.22 min Scan# 1088

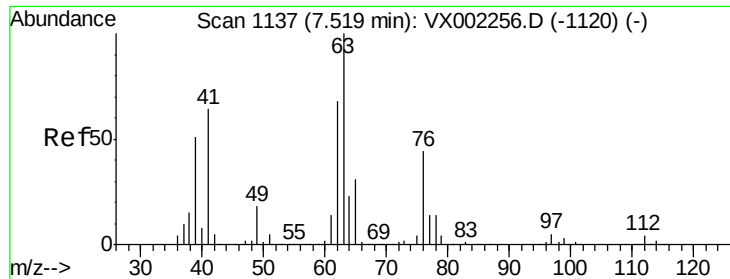
Delta R.T. 0.01 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Tgt Ion:	130	Resp:	109964
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	185.4





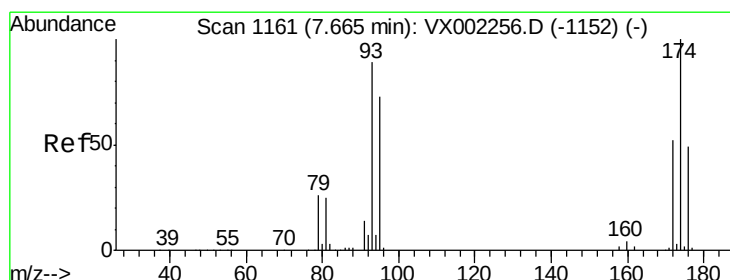
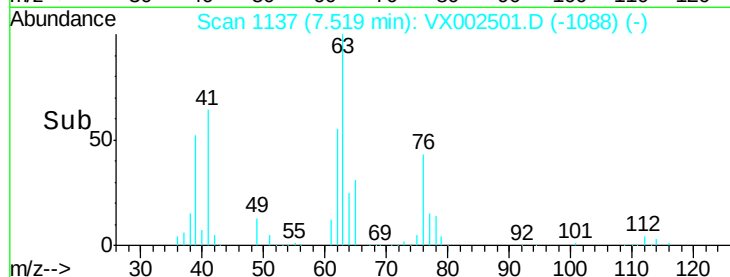
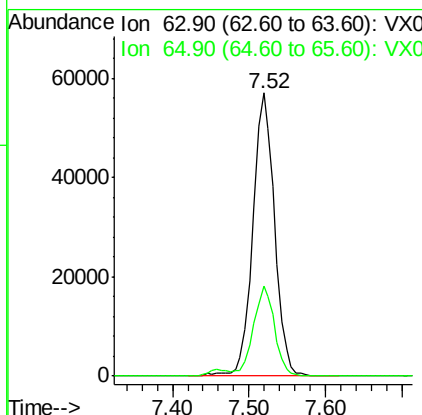
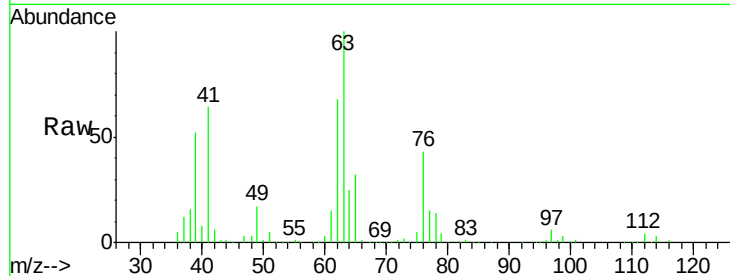
#45
 1,2-Dichloropropane
 Concen: 48.870 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002501.D
 Acq: 13 Jun 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 113401
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.7 37.1

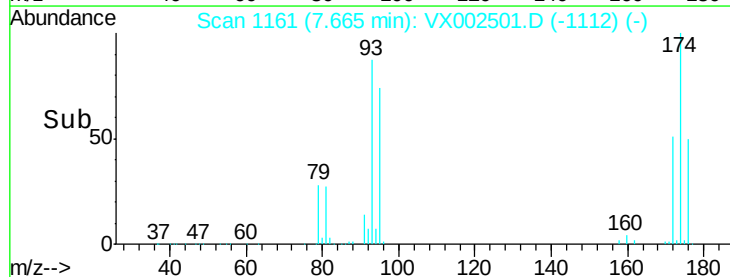
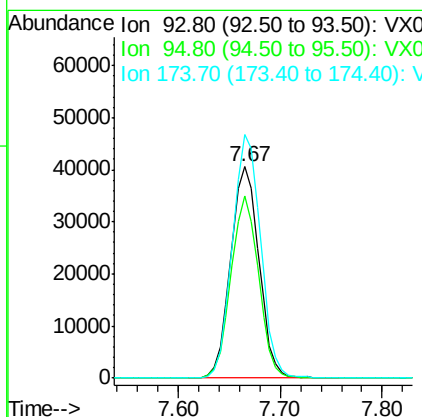
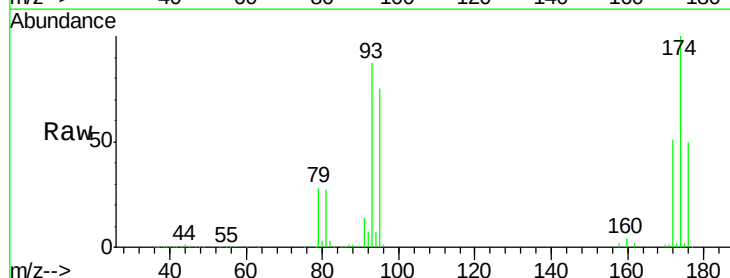
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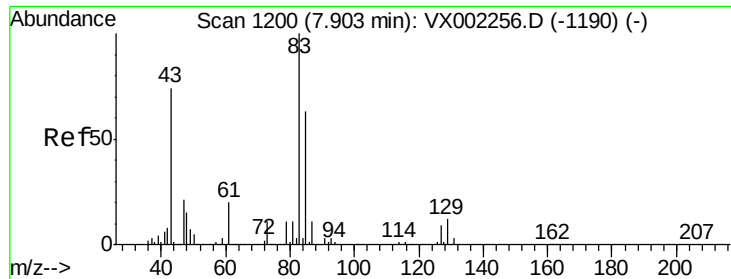
MMDadoda
 6/14/2018 11:29:23 AM



#46
 Dibromomethane
 Concen: 49.492 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002501.D
 Acq: 13 Jun 2018 10:05

Tgt Ion: 93 Resp: 77853
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.9 98.9
 174 114.6 92.4 138.6





#47

Bromodichloromethane

Concen: 50.533 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

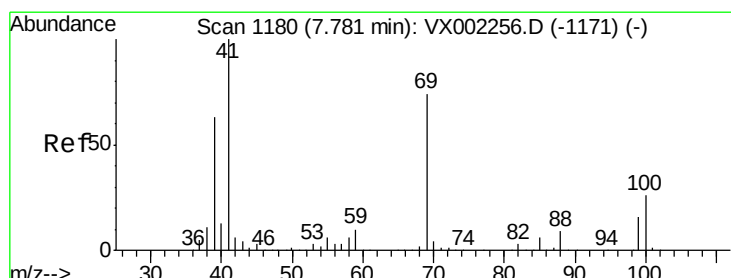
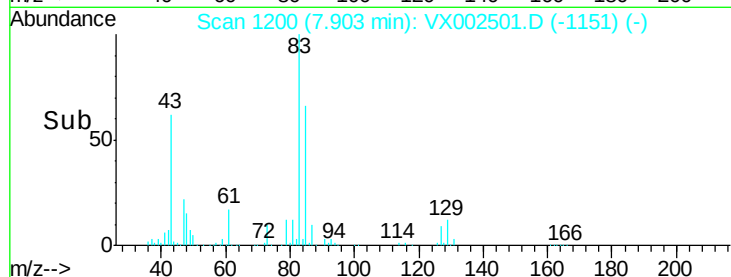
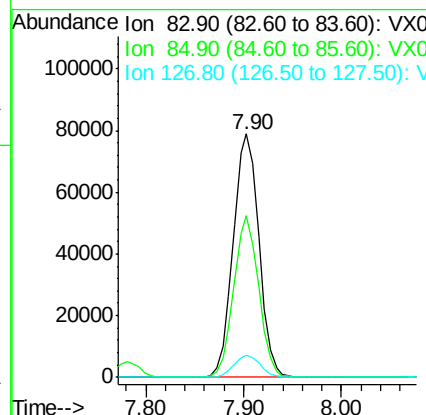
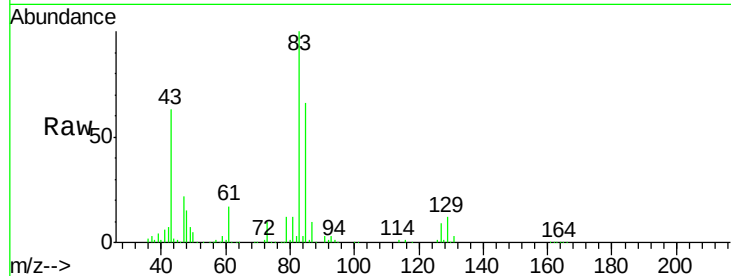
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	143765
Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.3	75.5
127	9.1	7.0	10.4

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 50.078 ug/l

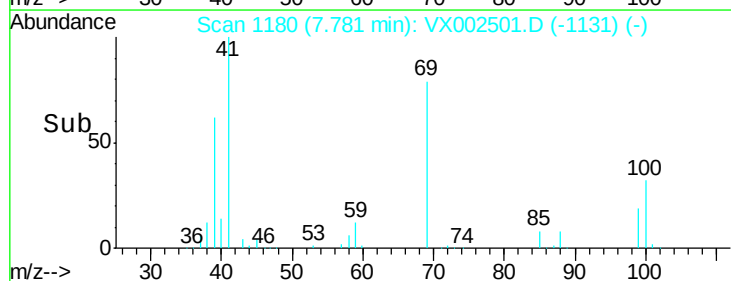
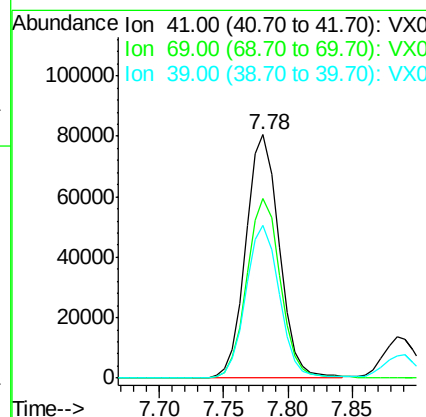
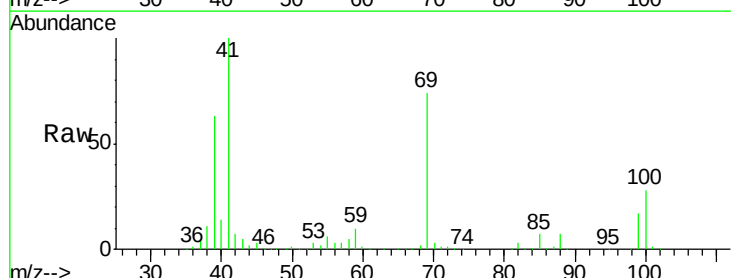
RT: 7.78 min Scan# 1180

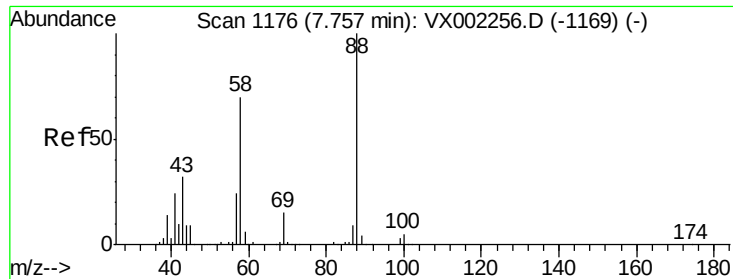
Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Tgt Ion:	41	Resp:	144039
Ion	Ratio	Lower	Upper
41	100		
69	74.8	59.1	88.7
39	62.6	48.9	73.3





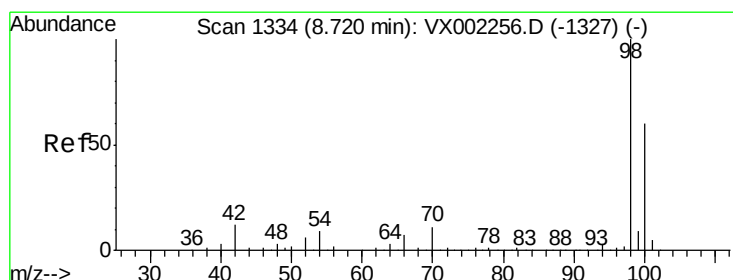
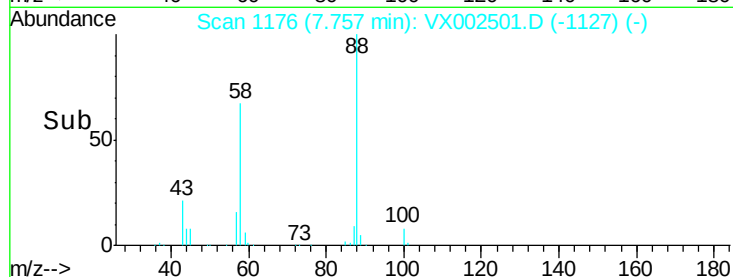
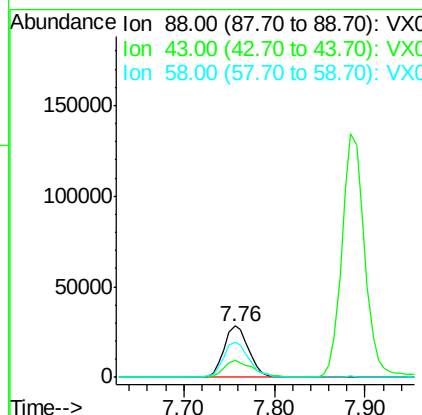
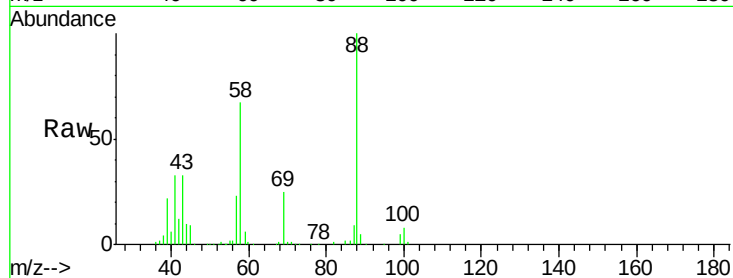
#49
1,4-Dioxane
Concen: 1010.842 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.2	29.8	44.6
58	70.4	57.1	85.7

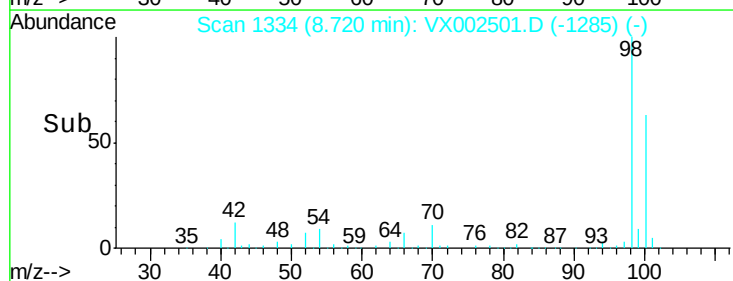
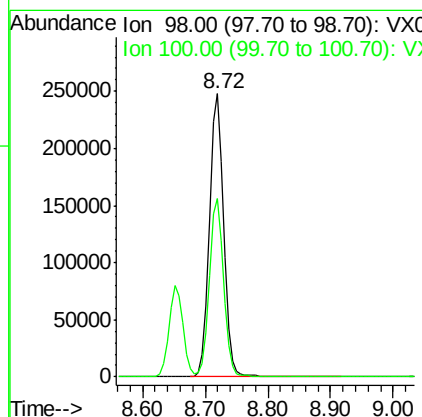
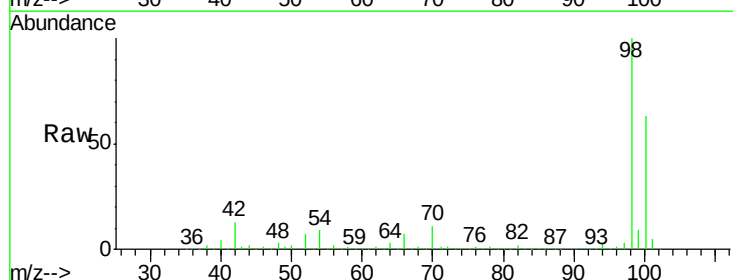
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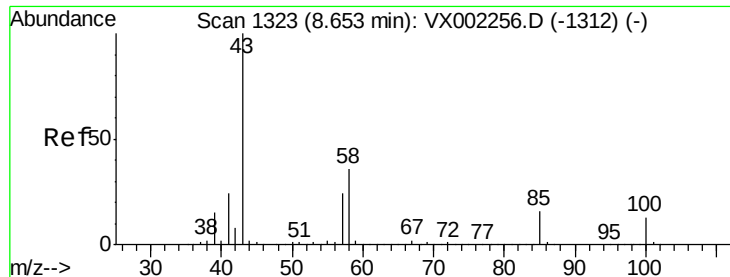
MMDadoda
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#50
Toluene-d8
Concen: 48.561 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 257.418 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 917936

Ion Ratio Lower Upper

43 100

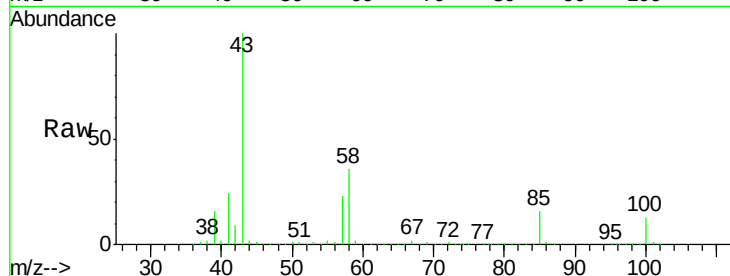
58 35.2 28.6 42.8

Manual Integrations

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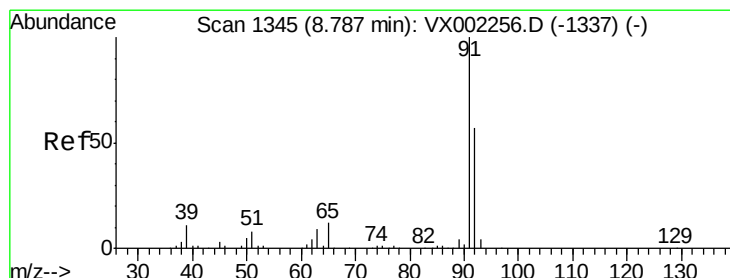
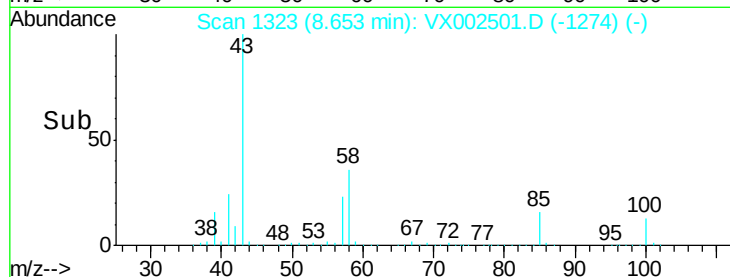
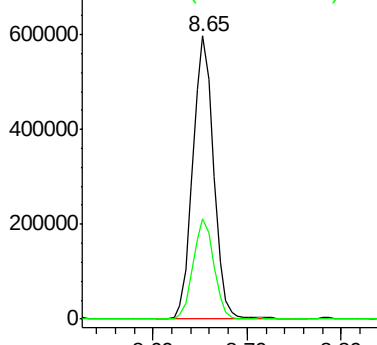
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 47.996 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002501.D

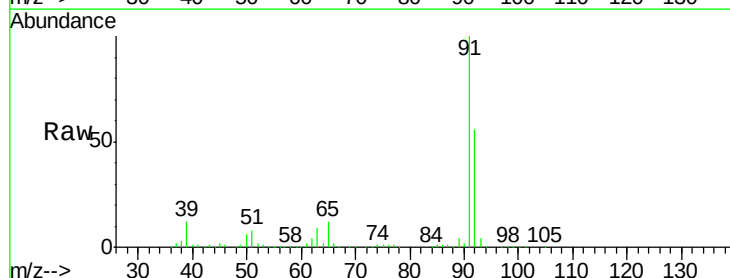
Acq: 13 Jun 2018 10:05

Tgt Ion: 92 Resp: 262383

Ion Ratio Lower Upper

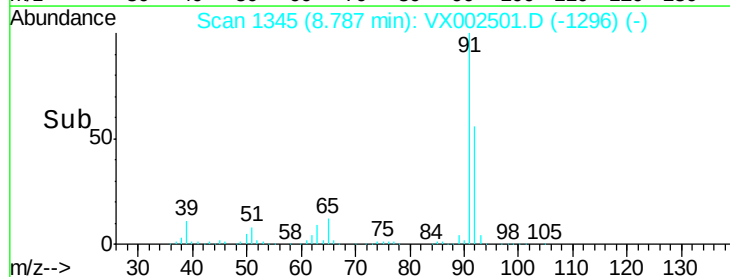
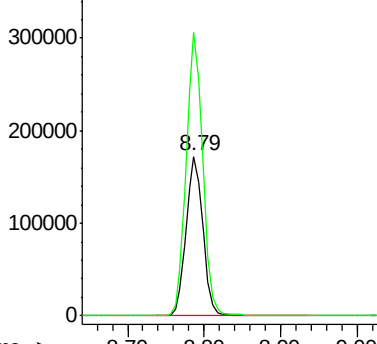
92 100

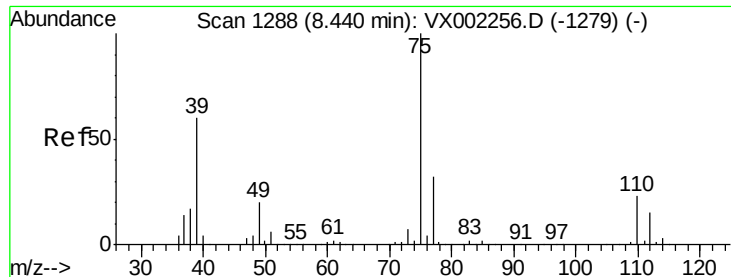
91 175.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 50.372 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Tot Ion: 75 Resp: 171855

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2

Instrument :

MSVOA_X

ClientSampleId :

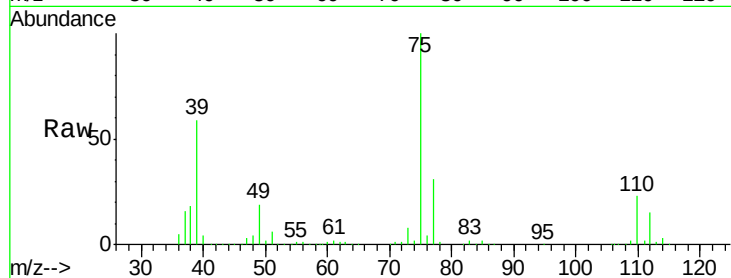
VSTDCCC050

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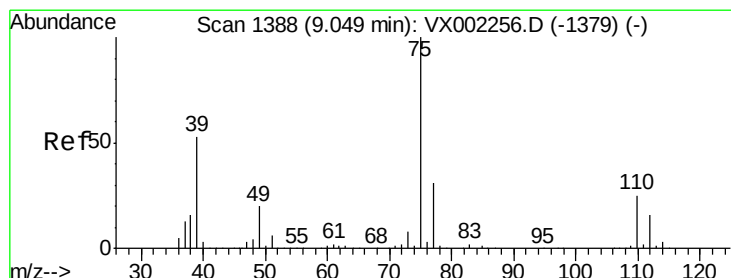
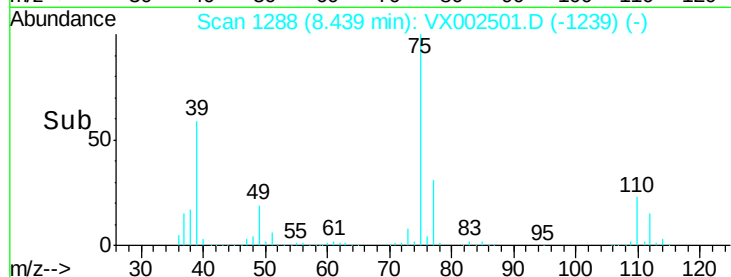
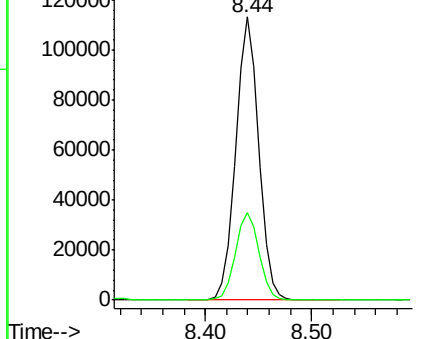
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 50.385 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

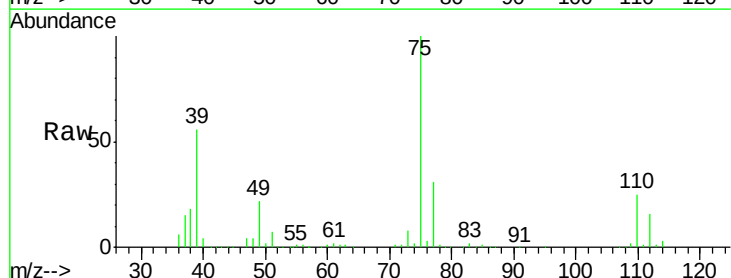
Tgt Ion: 75 Resp: 162180

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

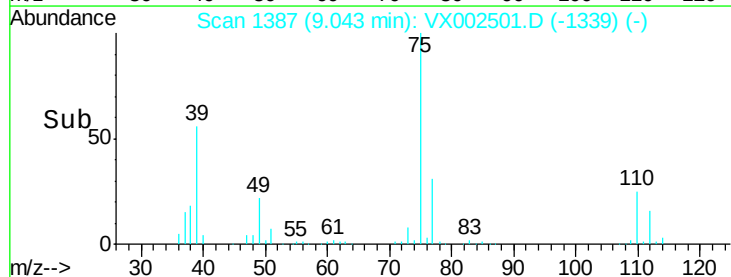
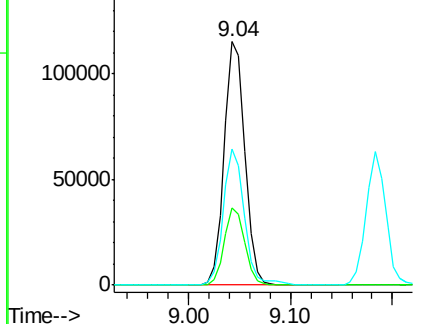
39 55.8 42.4 63.6

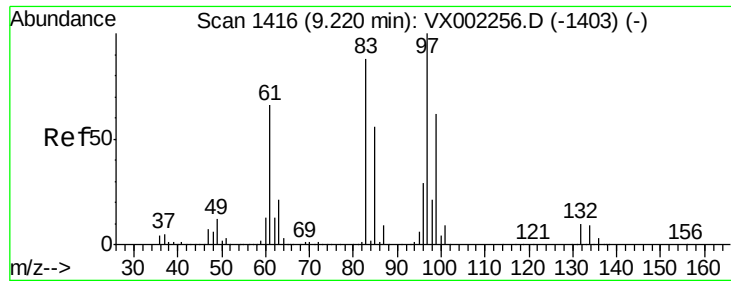


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





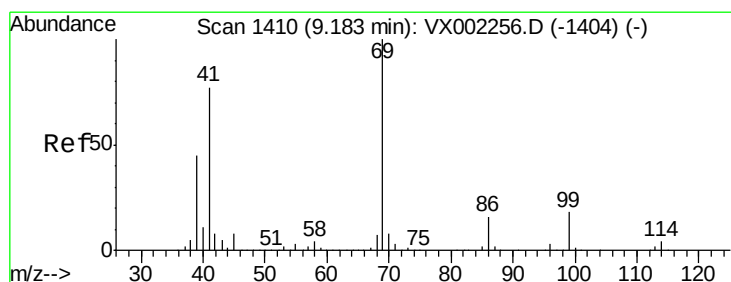
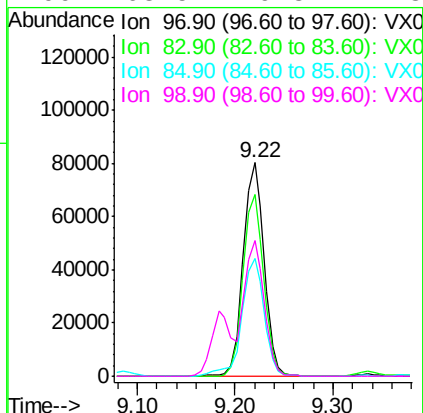
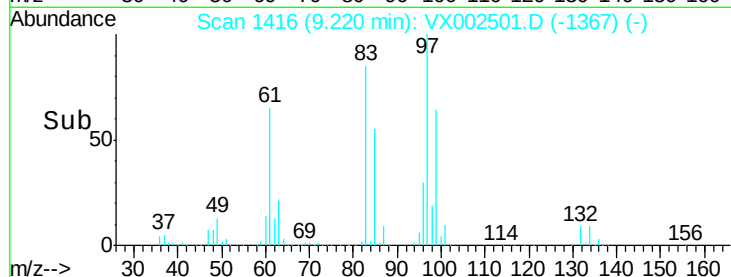
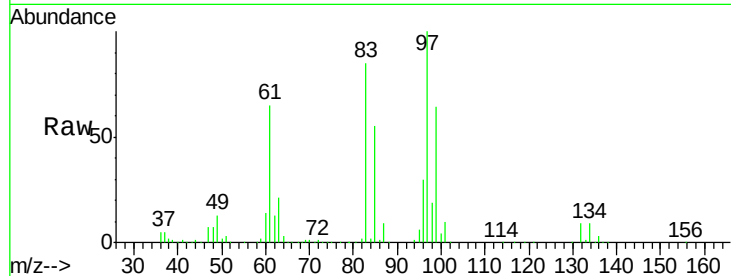
#55
 1,1,2-Trichloroethane
 Concen: 53.201 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002501.D
 Acq: 13 Jun 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	119620
Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.2	105.2
85	55.1	44.9	67.3
99	63.5	49.8	74.8

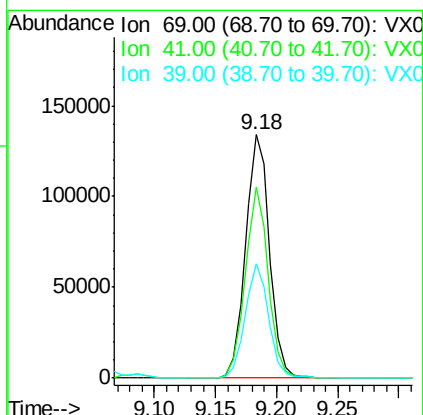
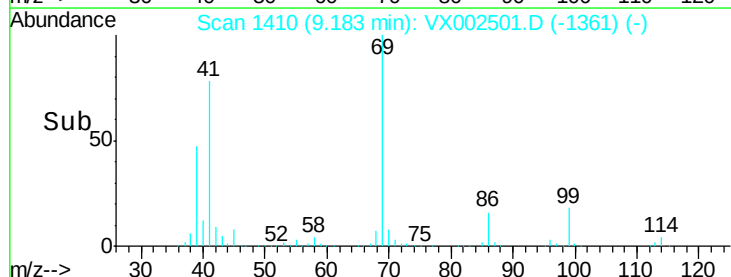
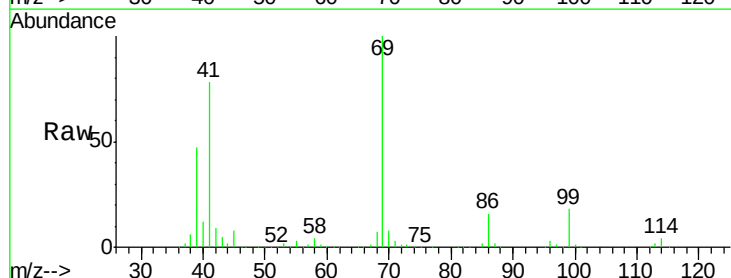
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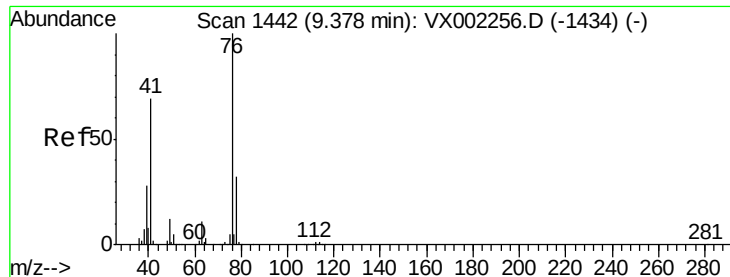
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#56
 Ethyl methacrylate
 Concen: 50.728 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002501.D
 Acq: 13 Jun 2018 10:05

Tgt Ion:	69	Resp:	182098
Ion	Ratio	Lower	Upper
69	100		
41	75.3	60.3	90.5
39	46.0	35.8	53.8





#57

1,3-Dichloropropane

Concen: 51.785 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 195335

Ion Ratio Lower Upper

76 100

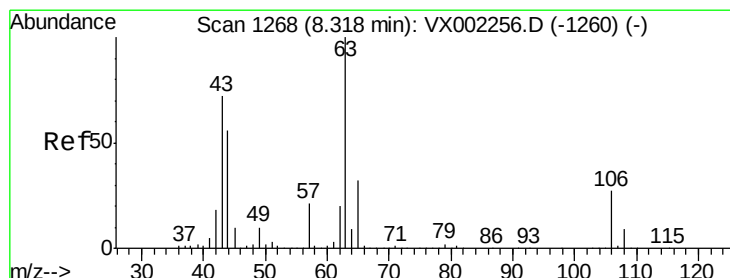
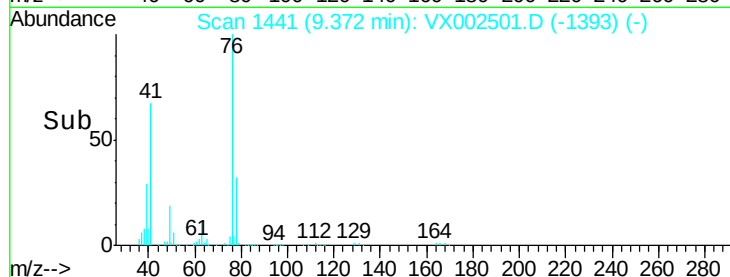
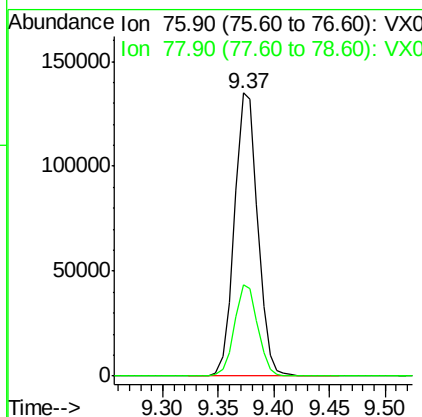
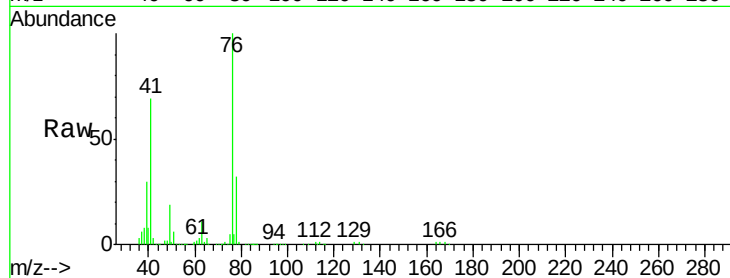
78 32.2 25.8 38.6

Manual Integrations

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MMDadoda

6/14/2018 11:29:23 AM



#58

2-Chloroethyl Vinyl ether

Concen: 333.184 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002501.D

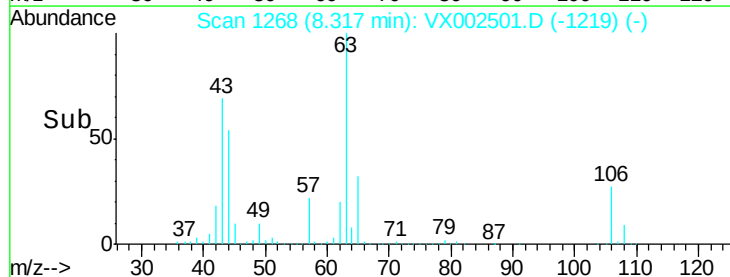
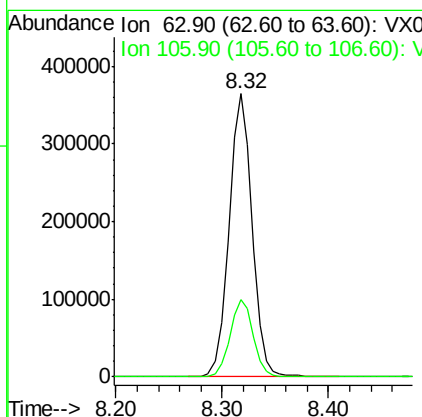
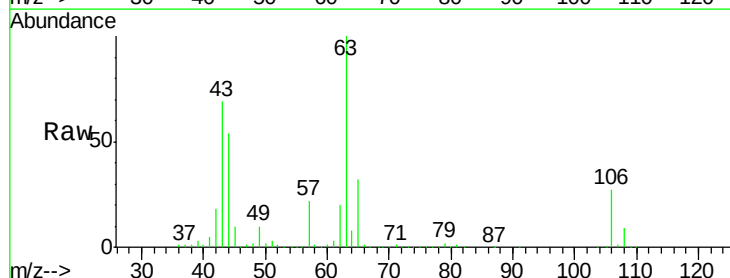
Acq: 13 Jun 2018 10:05

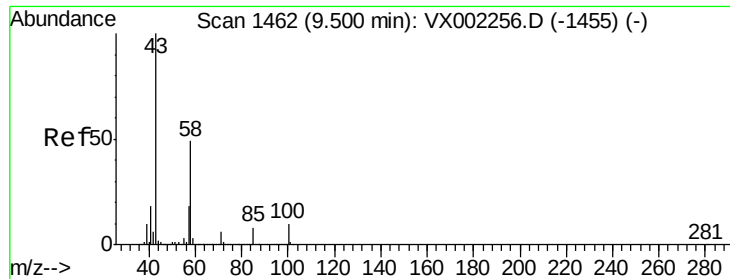
Tgt Ion: 63 Resp: 553569

Ion Ratio Lower Upper

63 100

106 27.5 21.8 32.8





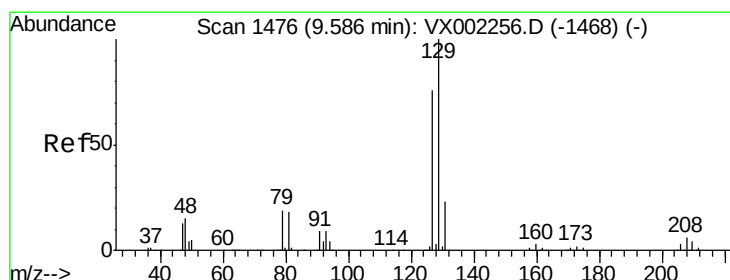
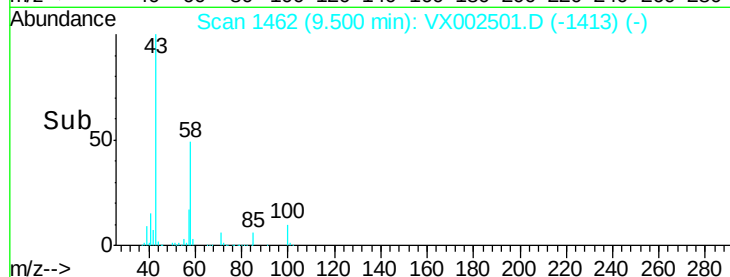
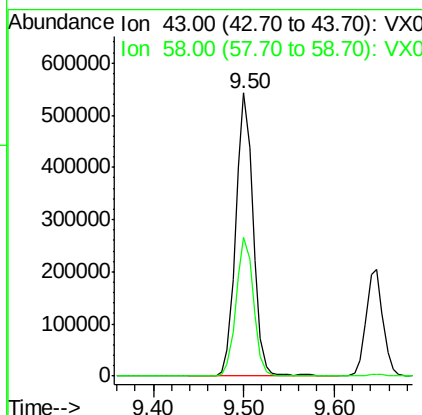
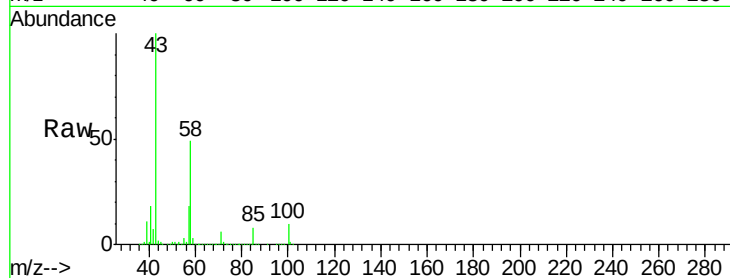
#59
2-Hexanone
Concen: 260.998 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.2	24.6	73.6

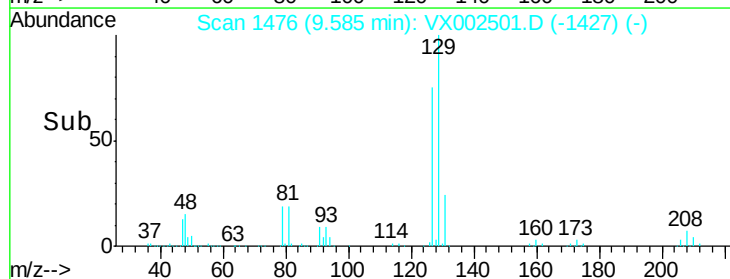
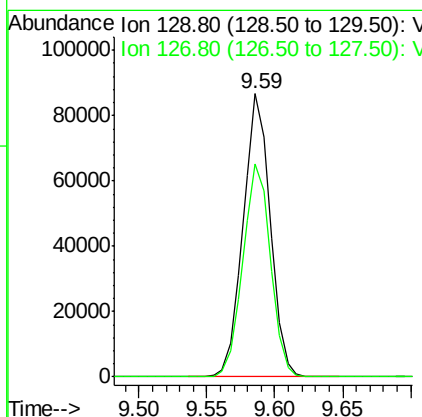
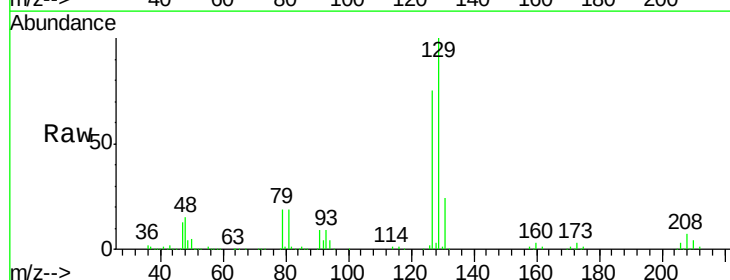
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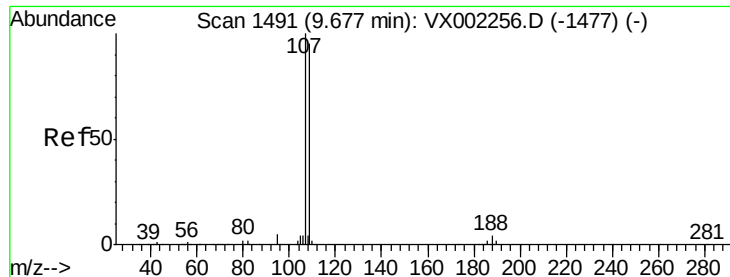
MMDadoda
6/14/2018 11:29:23 AM



#60
Dibromochloromethane
Concen: 53.549 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.5	115.3





#61

1,2-Dibromoethane

Concen: 53.272 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 124890

Ion Ratio Lower Upper

107 100

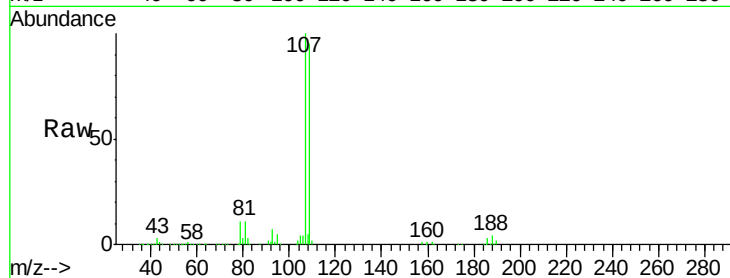
109 94.0 75.3 112.9

Manual Integrations

APPROVED

MMDadoda

6/14/2018 11:29:23 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

80000

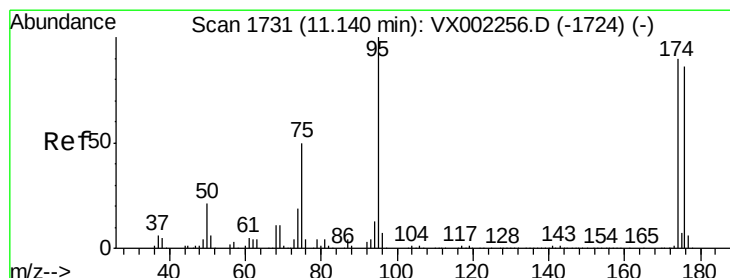
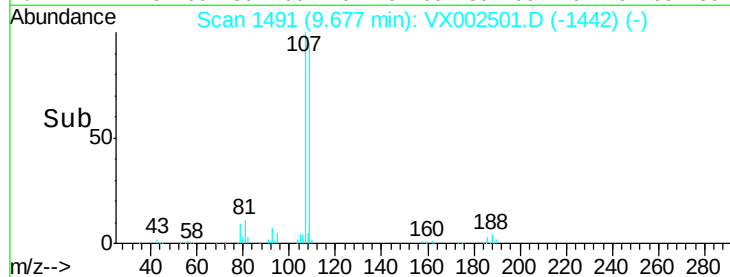
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.969 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

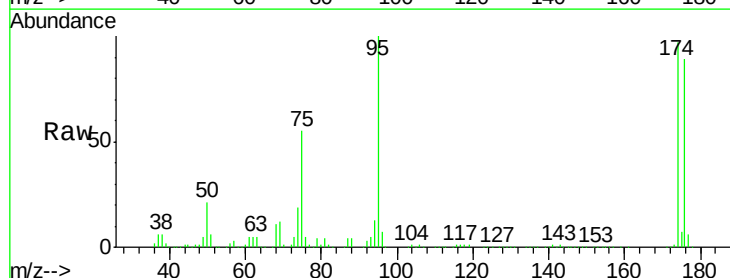
Tgt Ion: 95 Resp: 157974

Ion Ratio Lower Upper

95 100

174 96.1 0.0 187.4

176 92.4 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

11.14

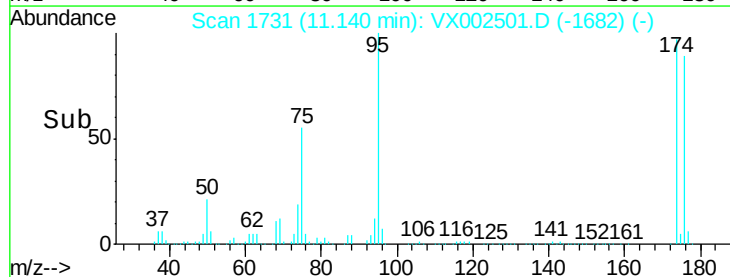
150000

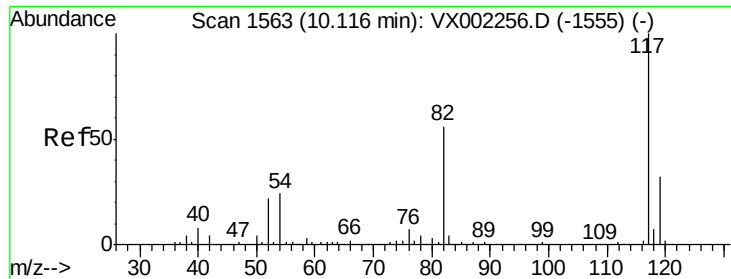
100000

50000

0

Time-->





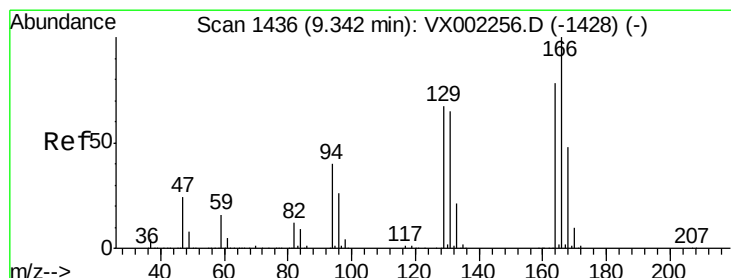
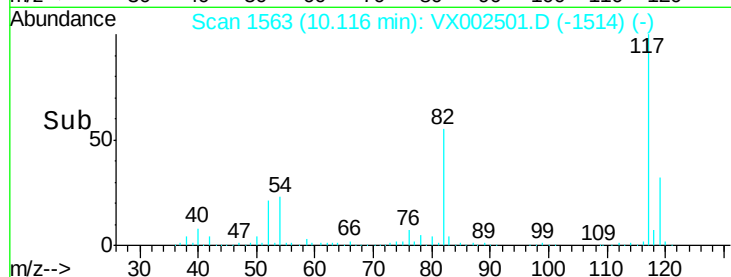
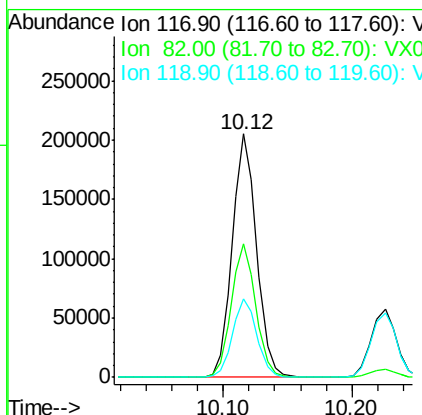
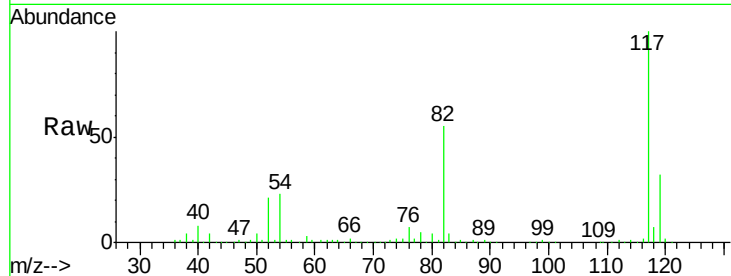
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	45.0	67.4
119	32.4	25.8	38.6

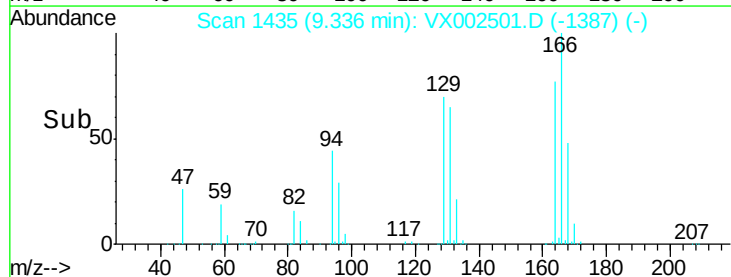
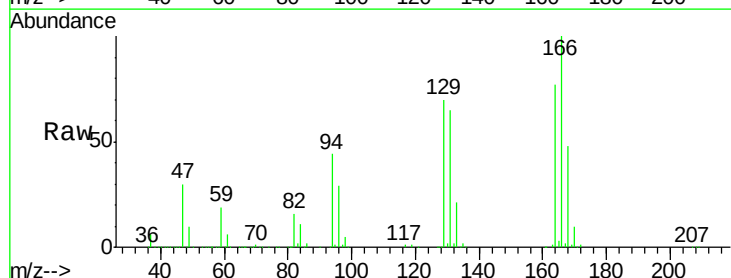
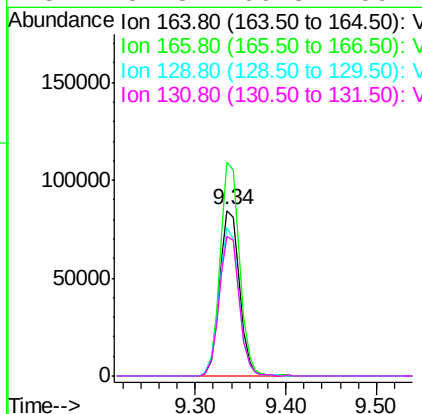
Manual Integrations
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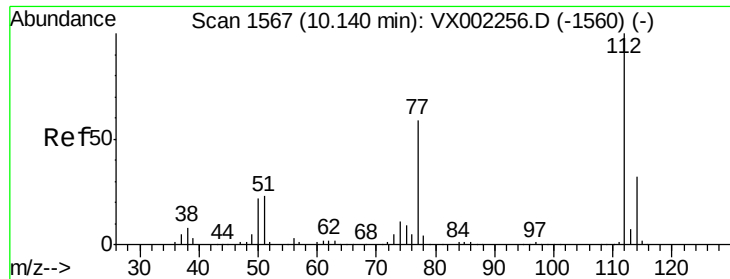
MMDadoda
6/14/2018 11:29:23 AM



#64
Tetrachloroethene
Concen: 46.187 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	102.9	154.3
129	90.0	68.6	102.8
131	84.3	66.8	100.2





#65

Chlorobenzene

Concen: 47.152 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 318112

Ion Ratio Lower Upper

112 100

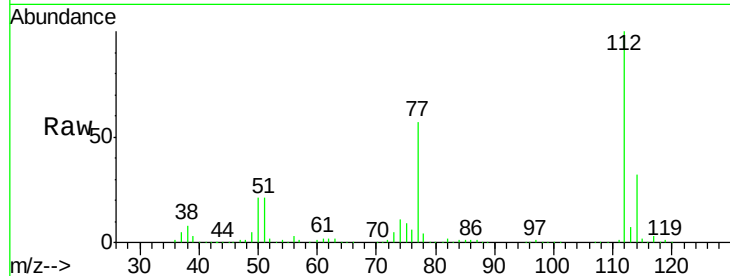
114 31.8 25.3 37.9

Manual Integrations

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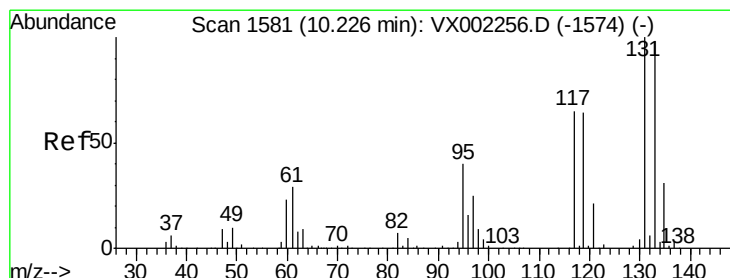
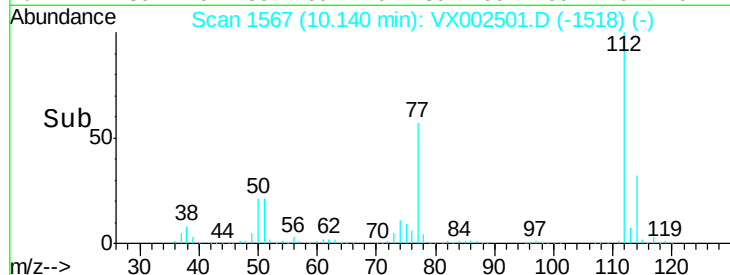
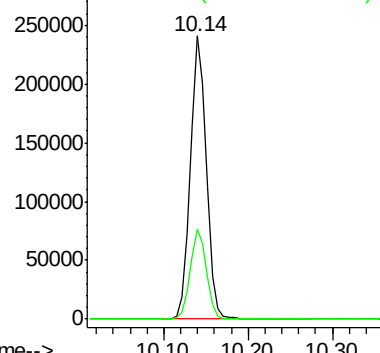
MMDadoda

6/14/2018 11:29:23 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.524 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

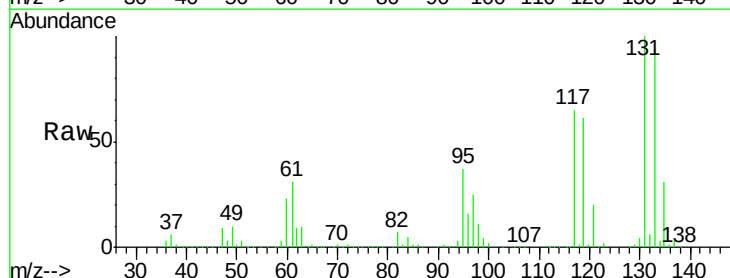
Tgt Ion:131 Resp: 118536

Ion Ratio Lower Upper

131 100

133 95.2 47.9 143.6

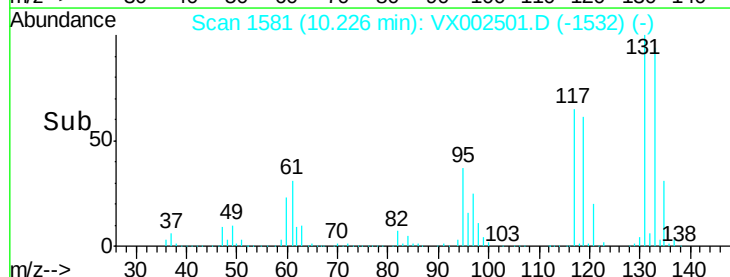
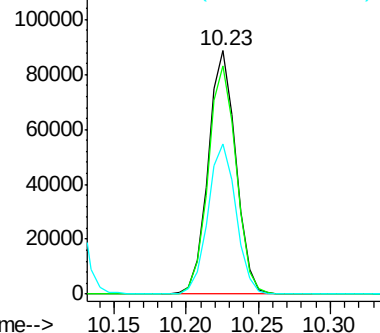
119 62.8 31.8 95.3

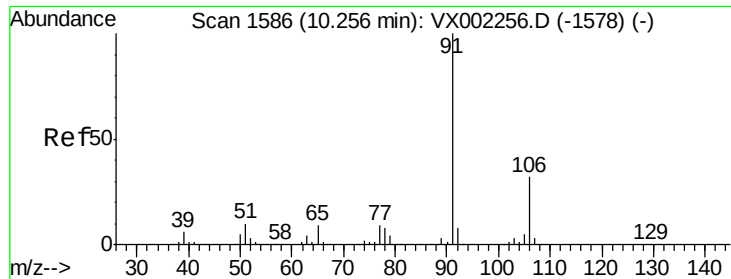


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 45.698 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 515948

Ion Ratio Lower Upper

91 100

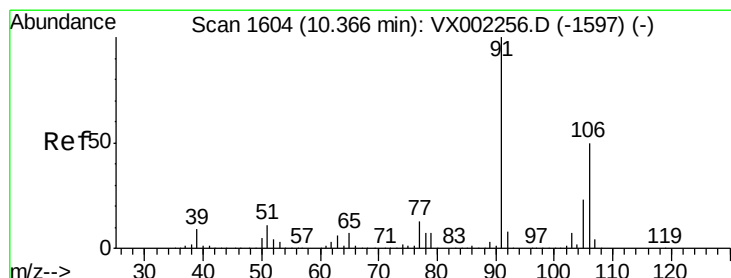
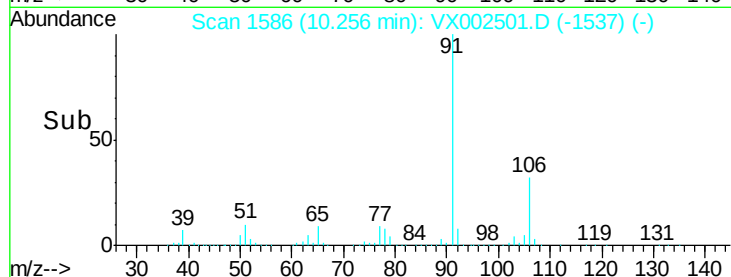
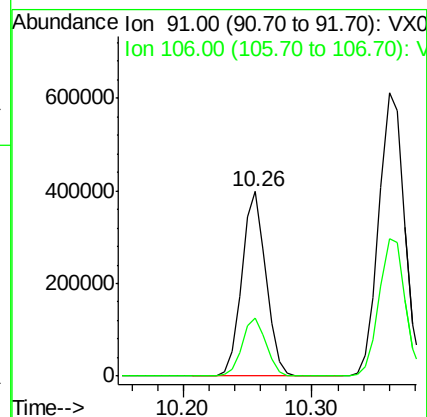
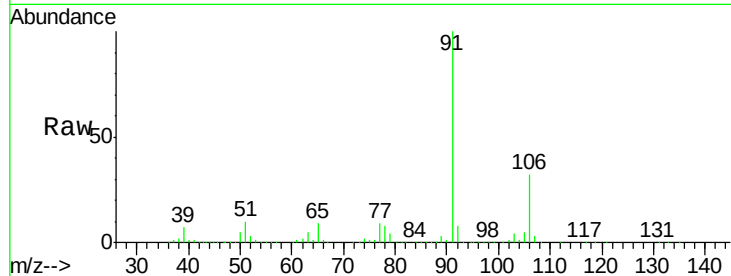
106 31.8 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 93.502 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002501.D

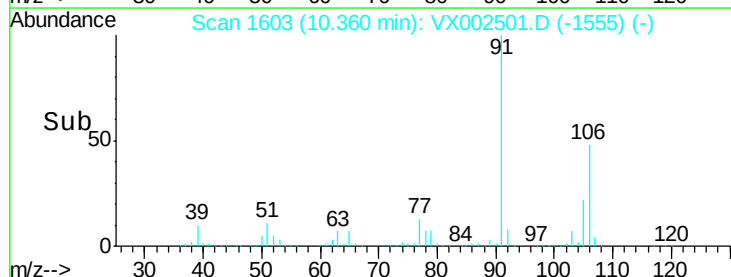
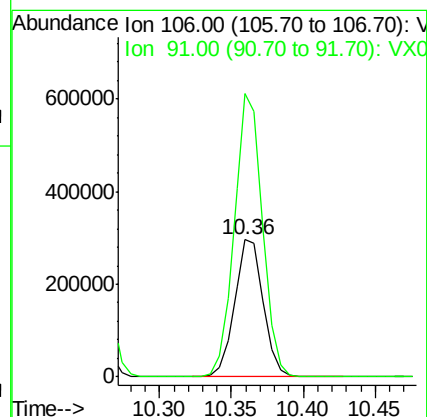
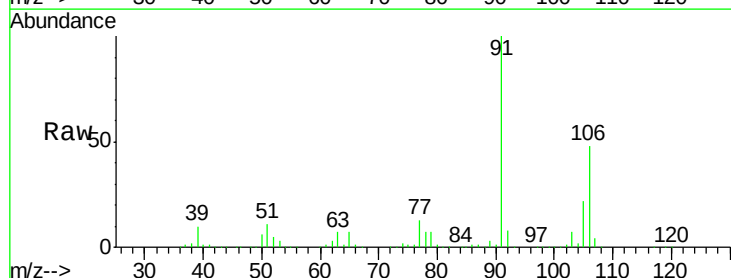
Acq: 13 Jun 2018 10:05

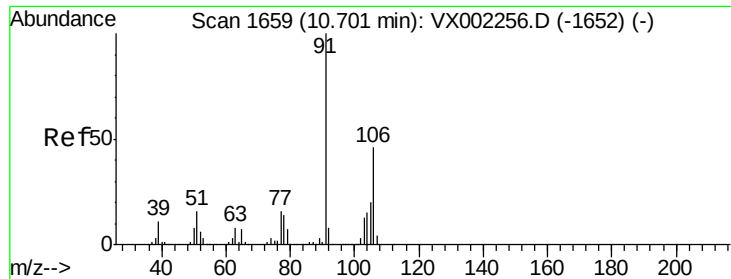
Tgt Ion: 106 Resp: 410371

Ion Ratio Lower Upper

106 100

91 203.4 163.4 245.2





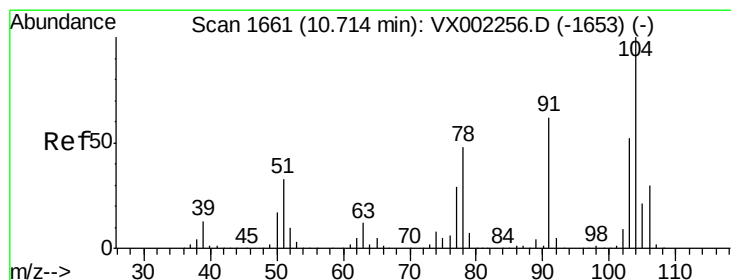
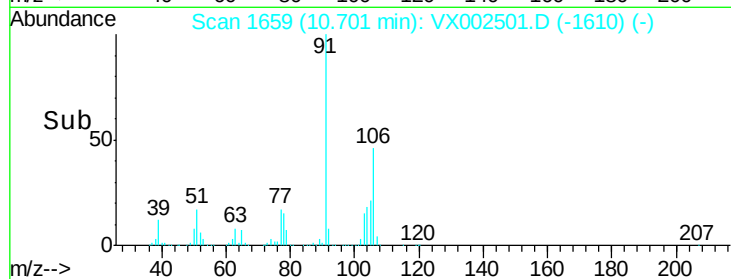
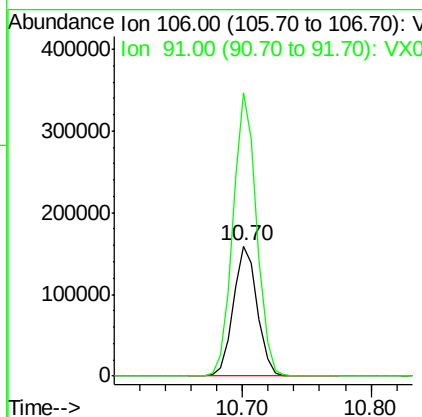
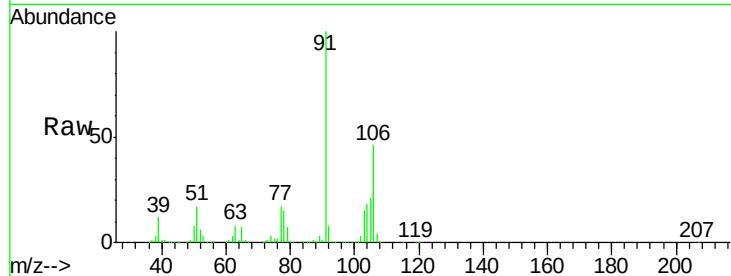
#69
o-Xylene
Concen: 46.990 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	205236		
91	91	215.5	108.2	324.6	

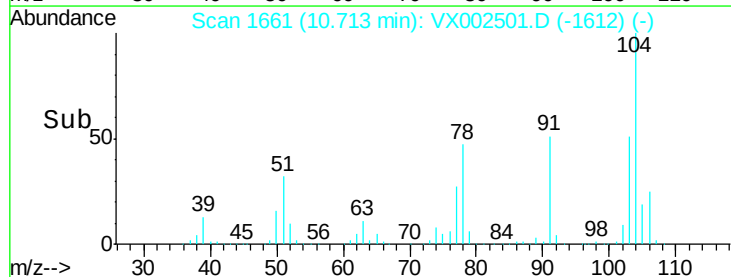
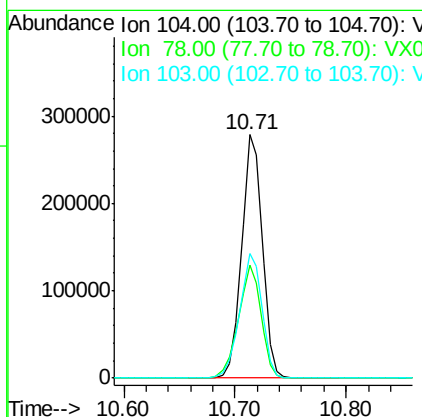
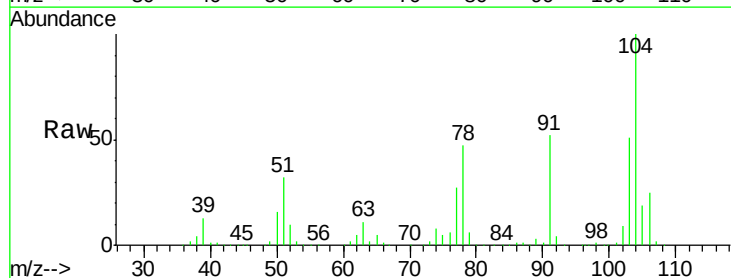
Manual Integrations
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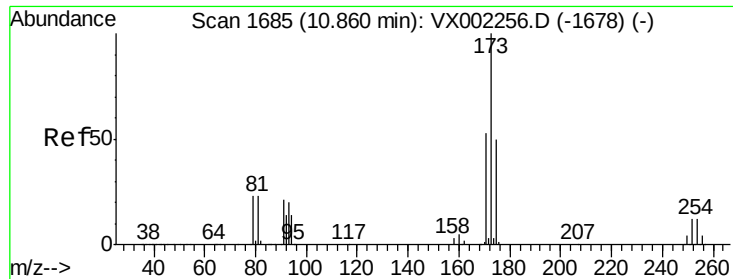
MMDadoda
6/14/2018 11:29:23 AM



#70
Styrene
Concen: 50.056 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	357404		
78	78	50.8	41.0	61.6	
103	103	55.6	44.2	66.4	





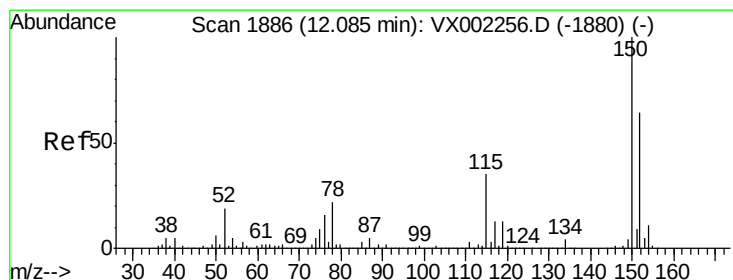
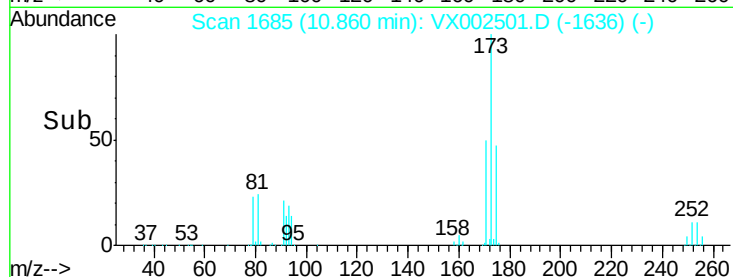
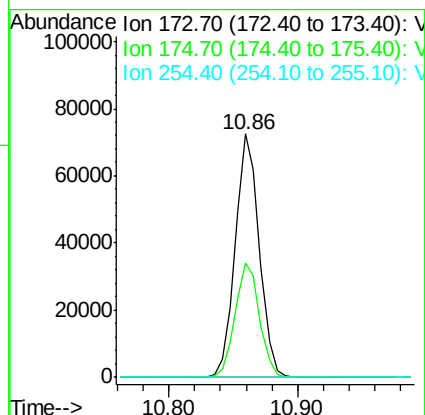
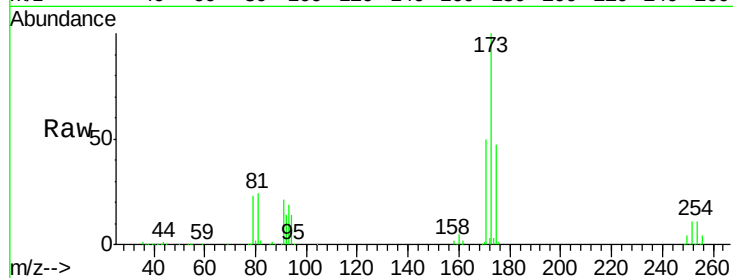
#71
Bromoform
Concen: 43.473 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.7	74.1
254	0.2	0.2	0.2

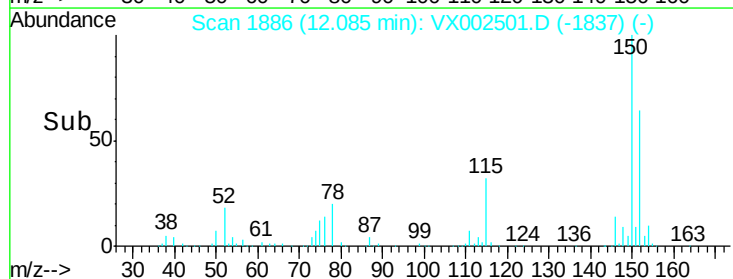
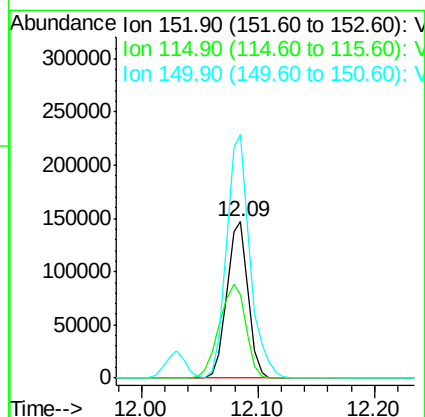
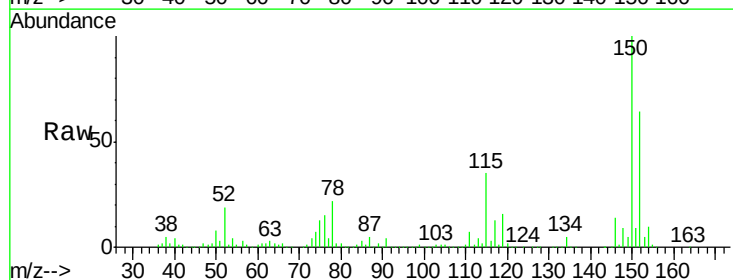
Manual Integrations
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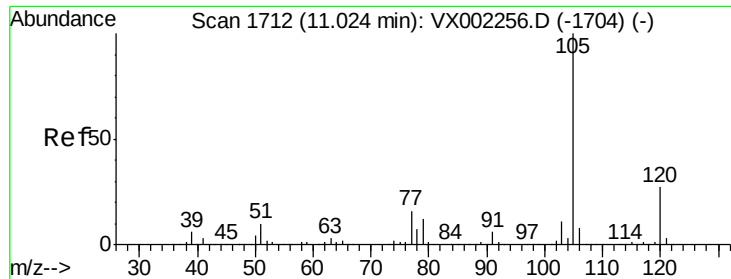
MMDadoda
6/14/2018 11:29:23 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	75.1	40.1	120.2
150	171.9	0.0	347.2





#73

Isopropylbenzene

Concen: 42.155 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 536211

Ion Ratio Lower Upper

105 100

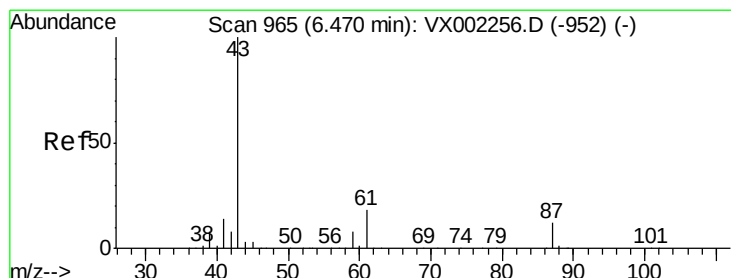
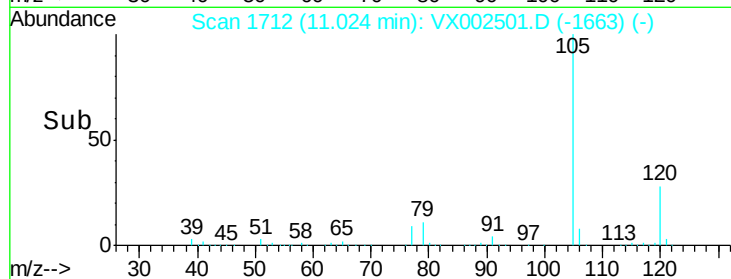
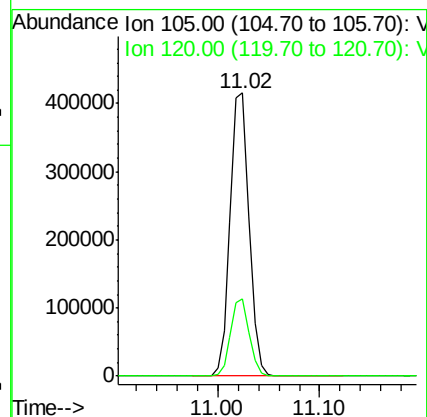
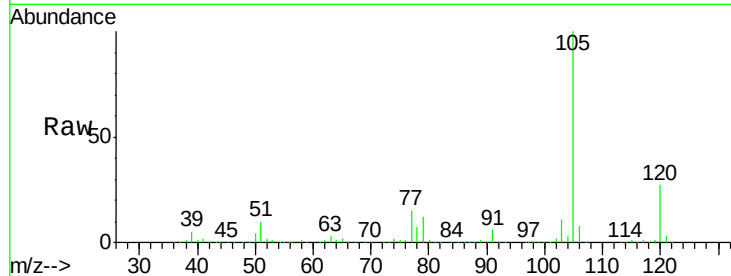
120 26.8 13.5 40.4

Manual Integrations

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MMDadoda

6/14/2018 11:29:23 AM



#74

N-ethyl acetate

Concen: 40.831 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Tgt Ion: 43 Resp: 279852

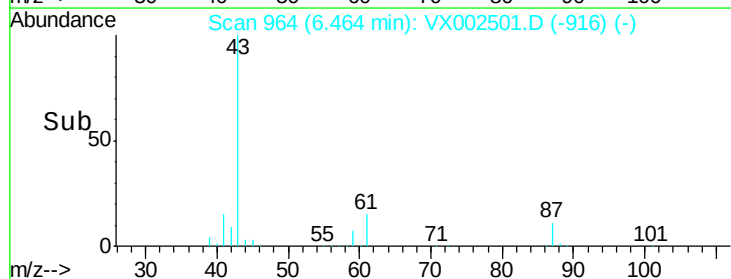
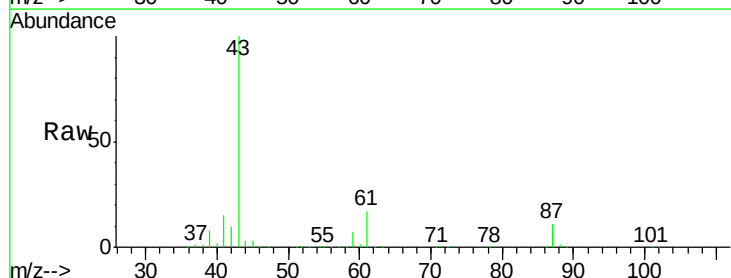
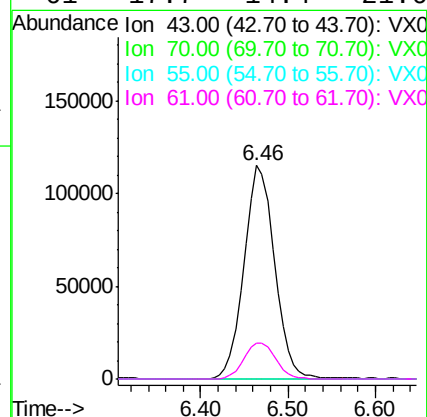
Ion Ratio Lower Upper

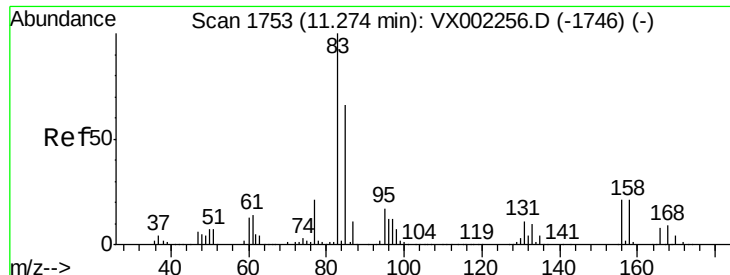
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 17.7 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.185 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

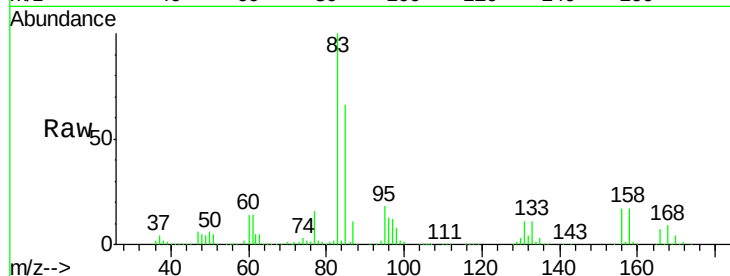
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	176769
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.6	16.8
85	65.5	32.4	97.2

Manual Integrations
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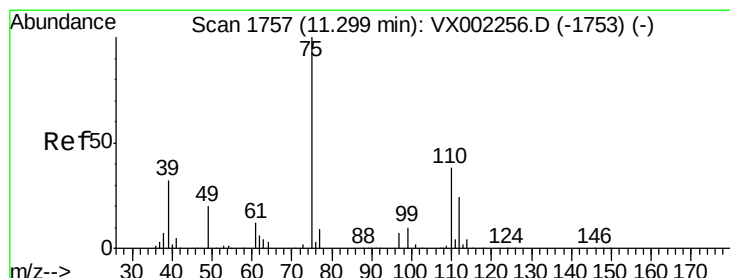
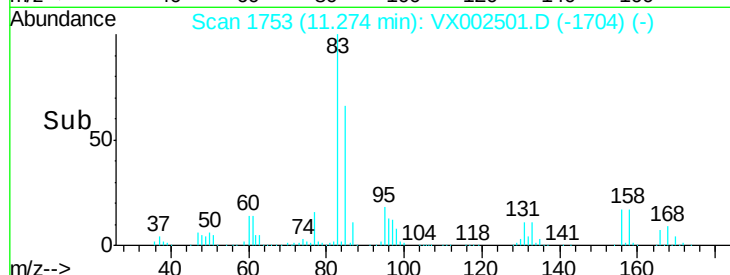
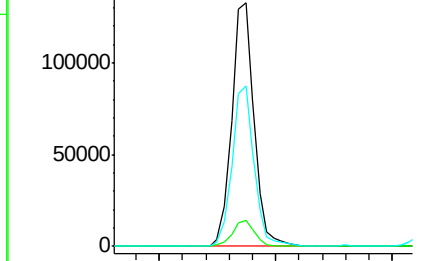
MMDadoda
6/14/2018 11:29:23 AM



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: 45.420 ug/l m

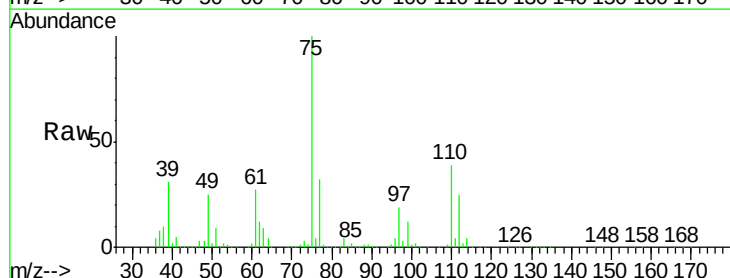
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002501.D

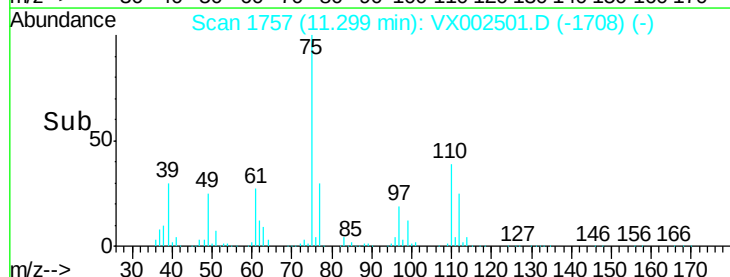
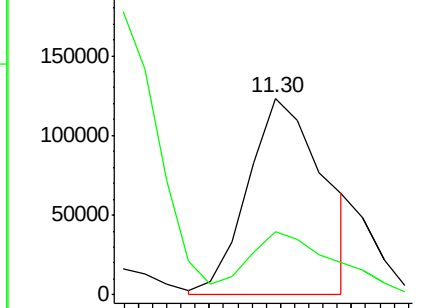
Acq: 13 Jun 2018 10:05

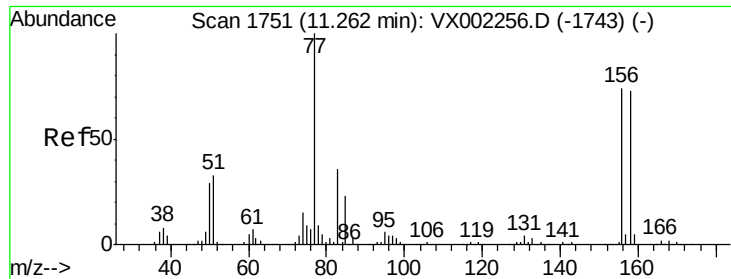
Tgt Ion:	75	Resp:	182237
Ion	Ratio	Lower	Upper
75	100		
77	37.0	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 44.507 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

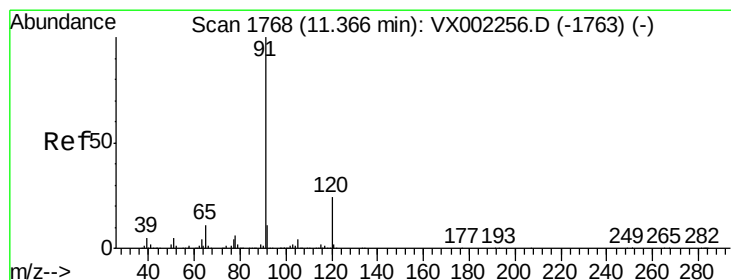
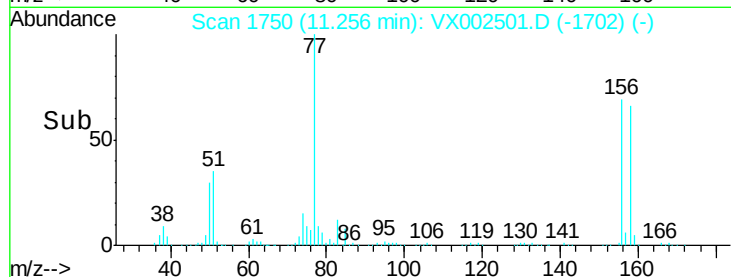
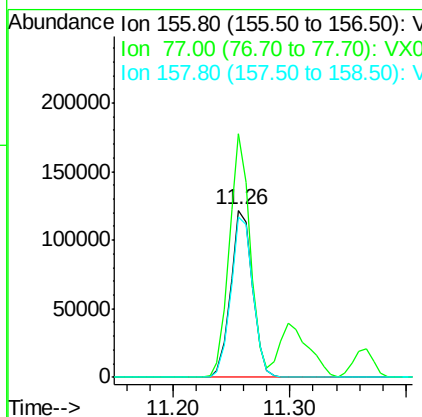
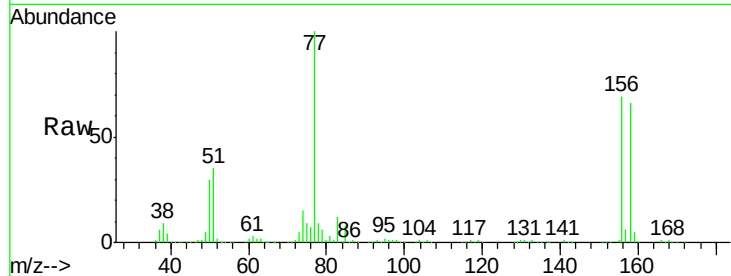
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	158934
Ion Ratio	Lower	Upper	
156	100		
77	139.1	71.4	214.2
158	96.8	48.9	146.6

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#78

n-propylbenzene

Concen: 43.574 ug/l

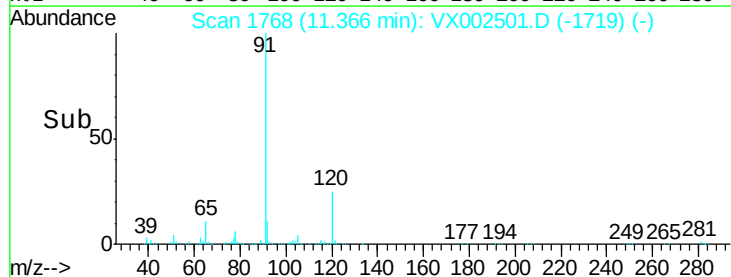
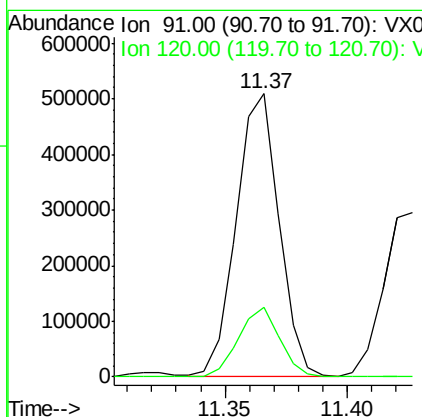
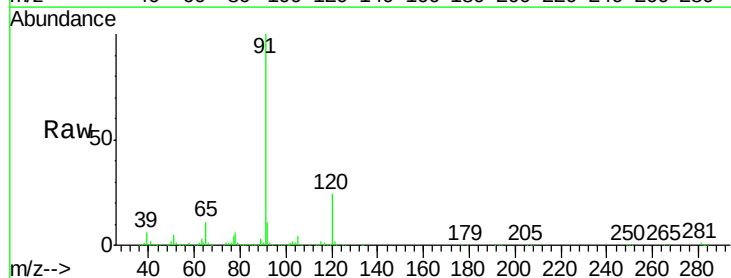
RT: 11.37 min Scan# 1768

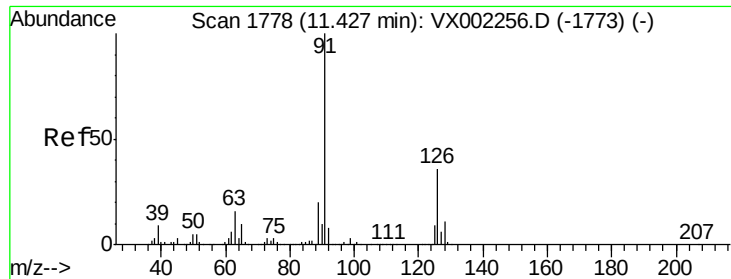
Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Tgt Ion:	91	Resp:	616049
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.4





#79

2-Chlorotoluene

Concen: 42.913 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 383093

Ion Ratio Lower Upper

91 100

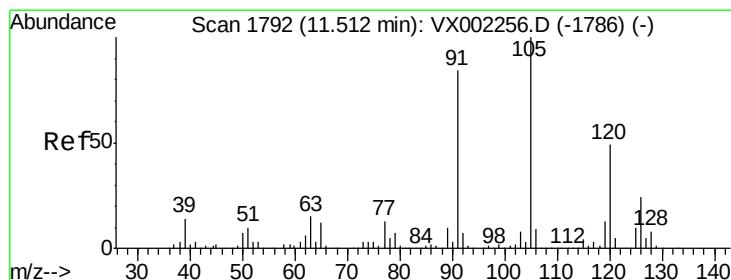
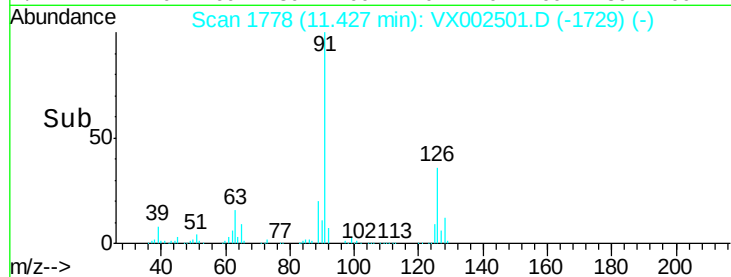
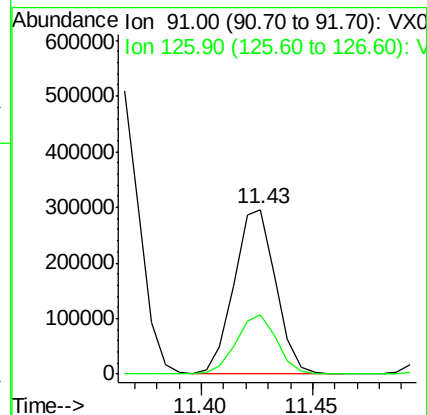
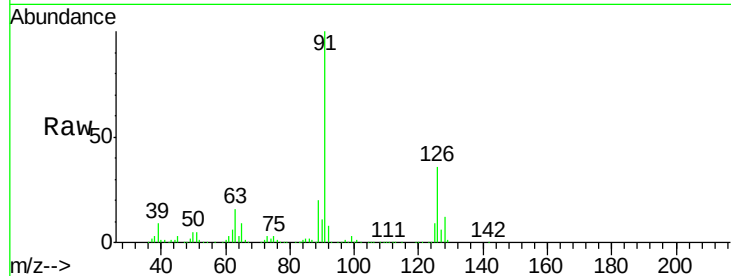
126 35.5 17.7 53.1

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#80

1,3,5-Trimethylbenzene

Concen: 43.202 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002501.D

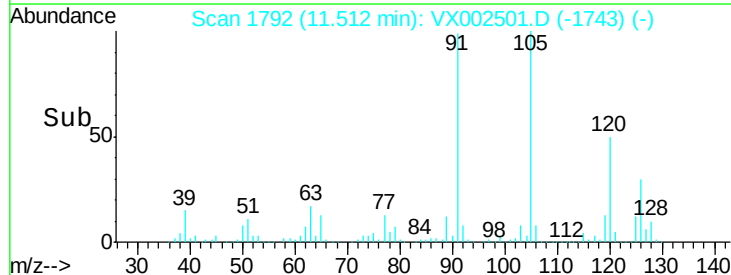
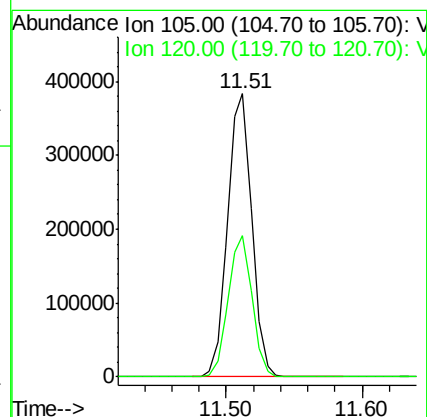
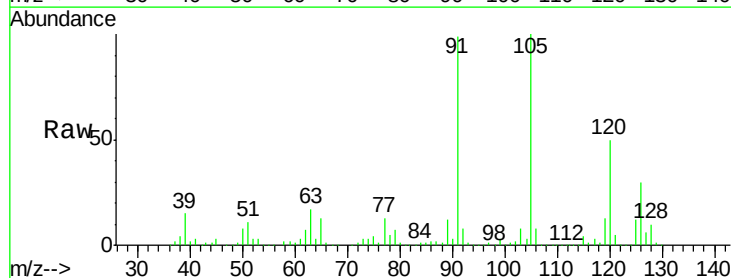
Acq: 13 Jun 2018 10:05

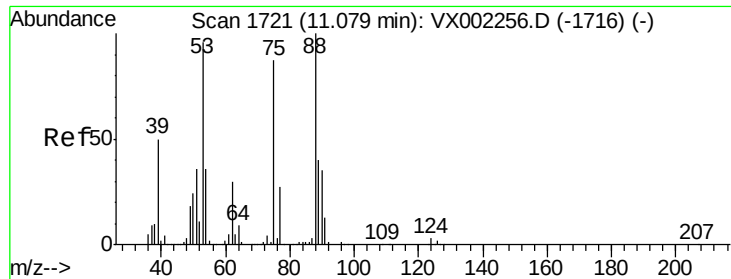
Tgt Ion: 105 Resp: 471343

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 42.102 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 48190

Ion Ratio Lower Upper

75 100

53 117.6 86.8 130.2

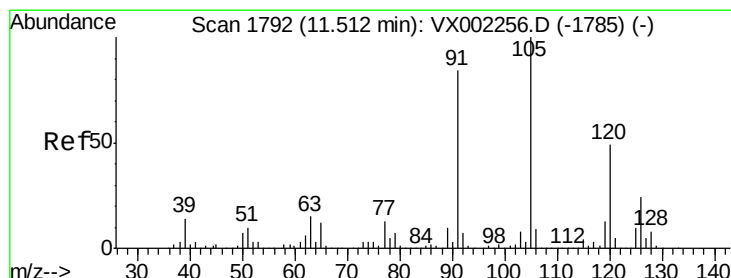
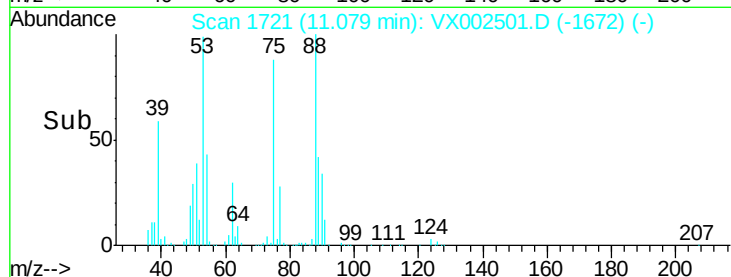
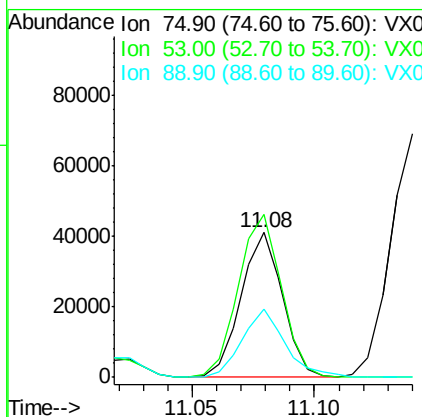
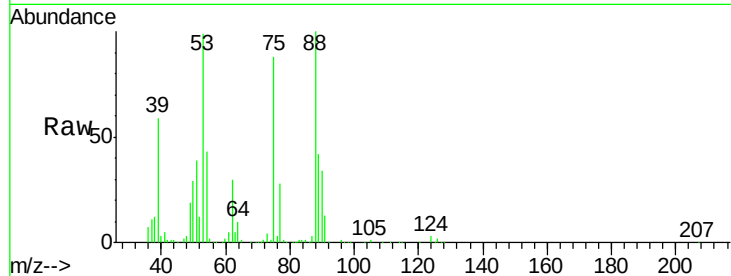
89 49.6 38.2 57.2

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#82

4-Chlorotoluene

Concen: 44.768 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002501.D

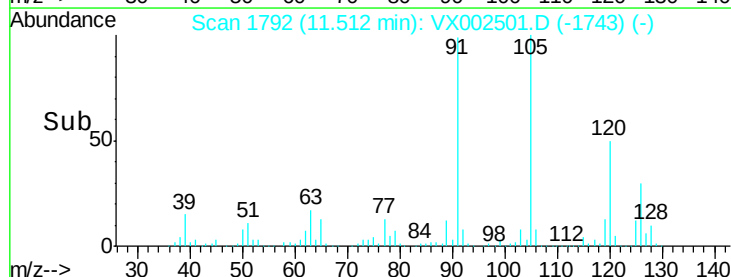
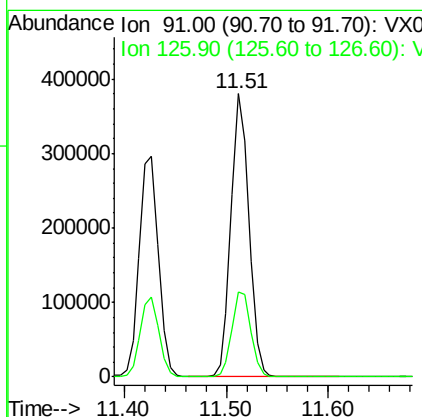
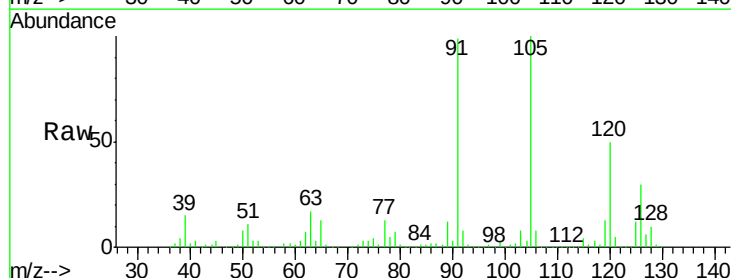
Acq: 13 Jun 2018 10:05

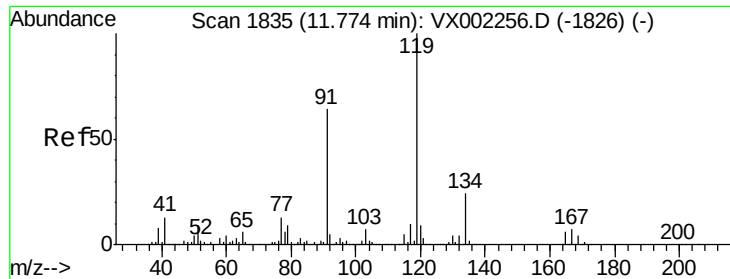
Tgt Ion: 91 Resp: 461302

Ion Ratio Lower Upper

91 100

126 31.3 15.4 46.4





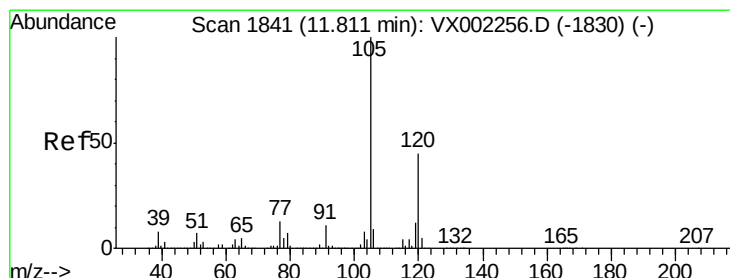
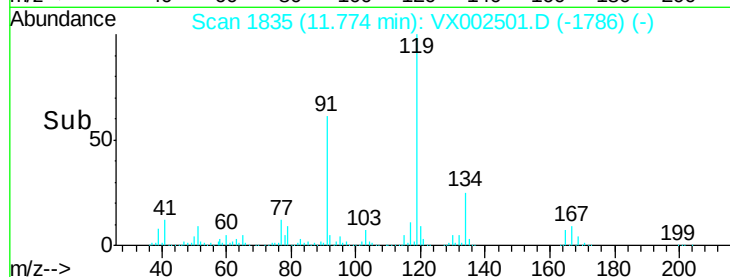
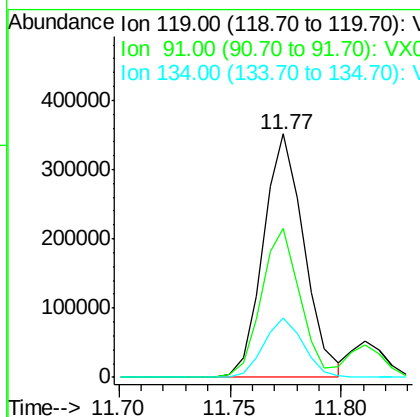
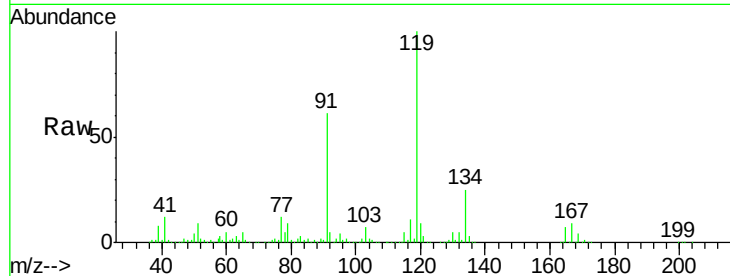
#83
 tert-Butylbenzene
 Concen: 42.078 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002501.D
 Acq: 13 Jun 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.0	30.3	90.9
134	23.7	11.7	35.1

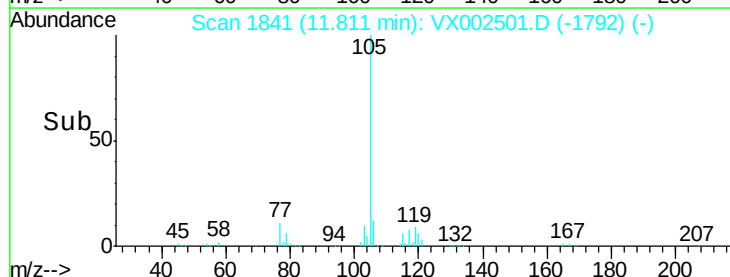
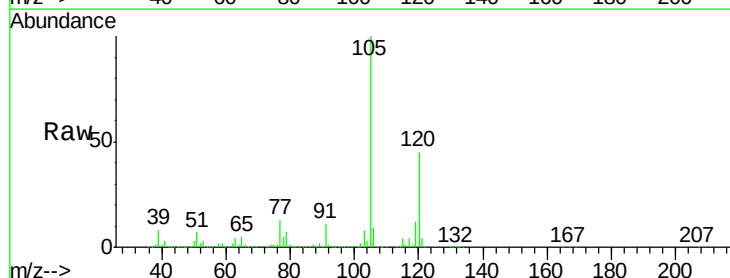
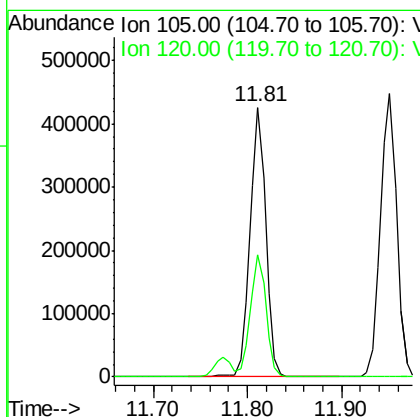
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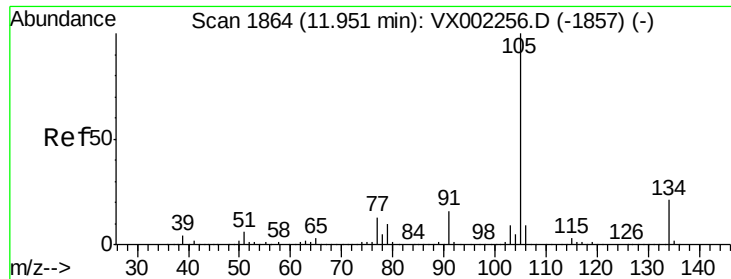
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#84
 1,2,4-Trimethylbenzene
 Concen: 44.527 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002501.D
 Acq: 13 Jun 2018 10:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.8





#85

sec-Butylbenzene

Concen: 43.158 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 537543

Ion Ratio Lower Upper

105 100

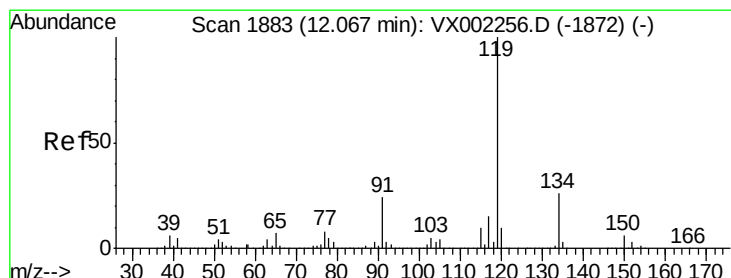
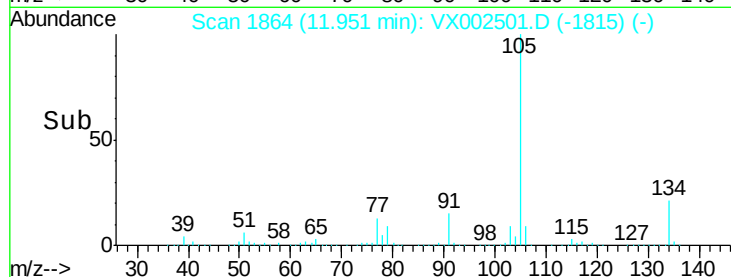
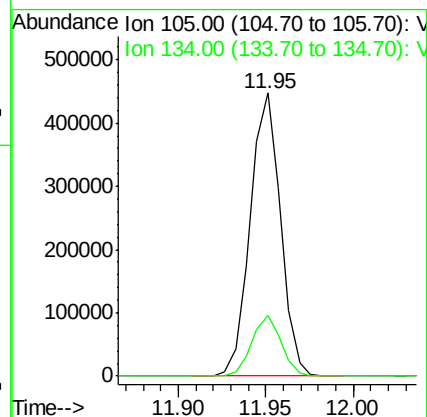
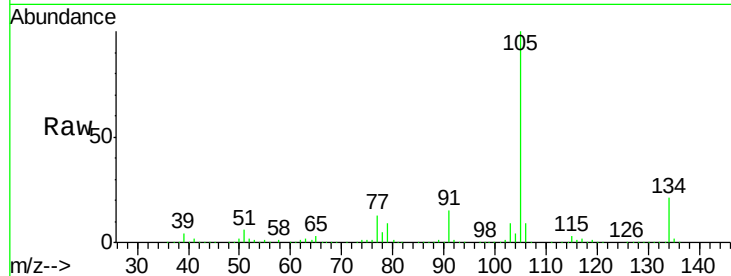
134 21.0 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 44.508 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

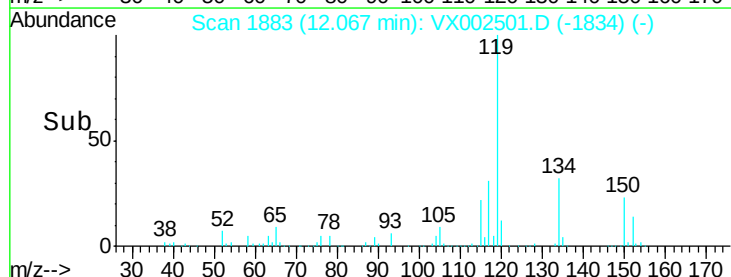
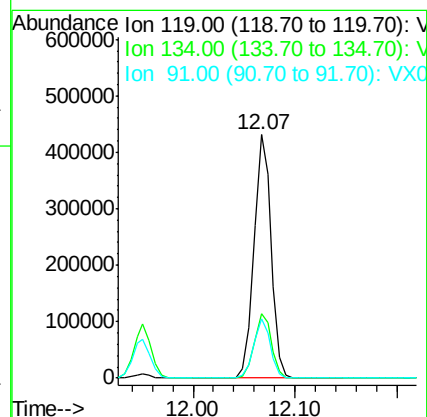
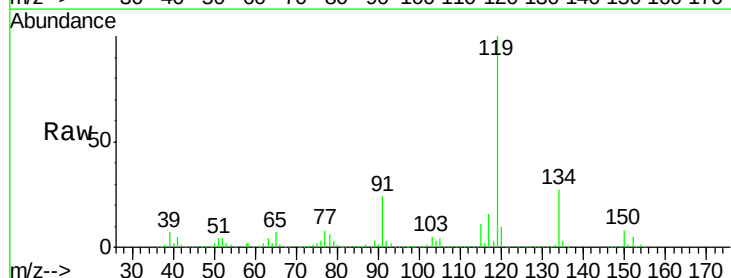
Tgt Ion:119 Resp: 504939

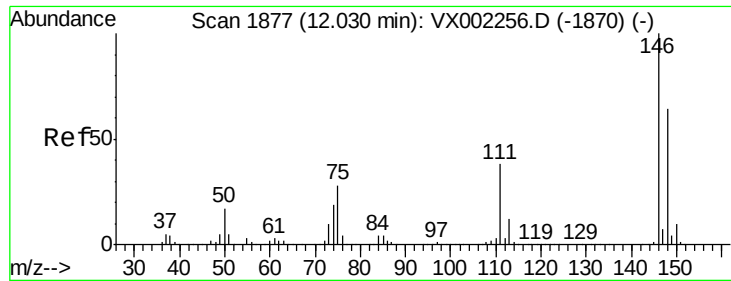
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 23.6 11.9 35.7





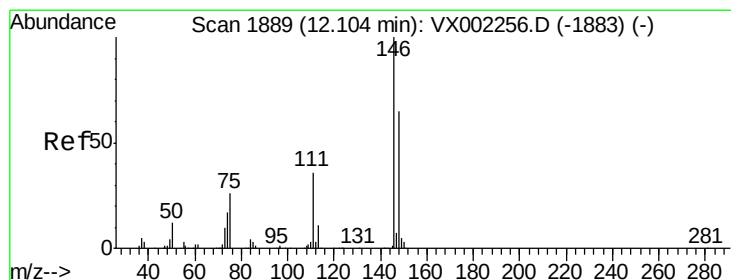
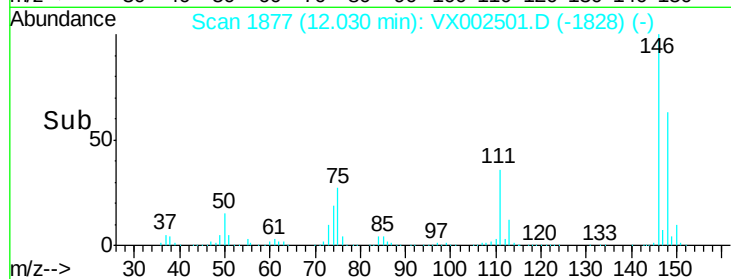
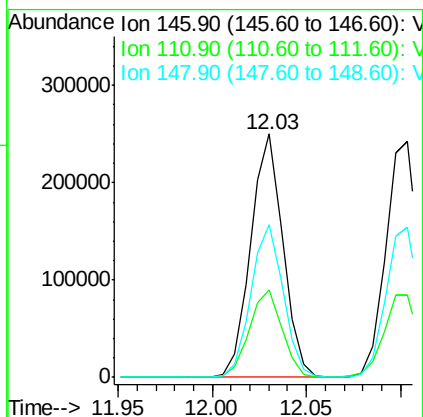
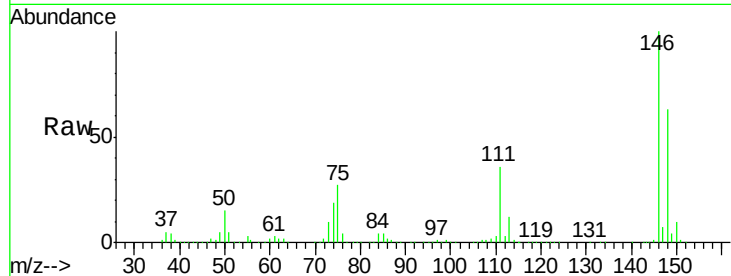
#87
 1,3-Dichlorobenzene
 Concen: 46.588 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002501.D
 Acq: 13 Jun 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.9	56.7
148	63.0	32.1	96.3

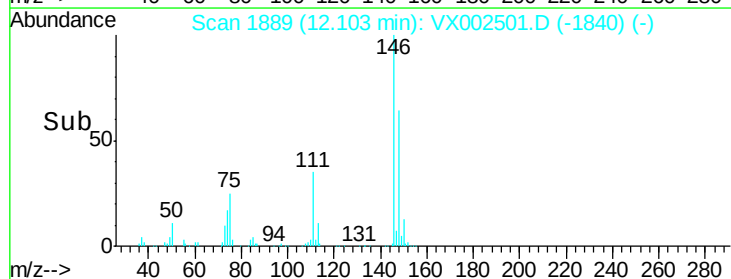
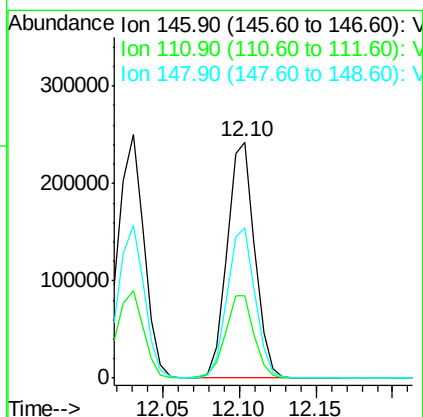
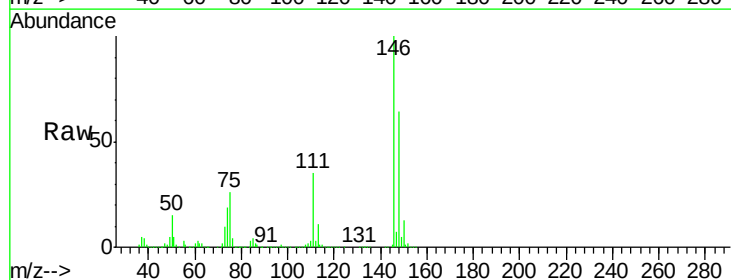
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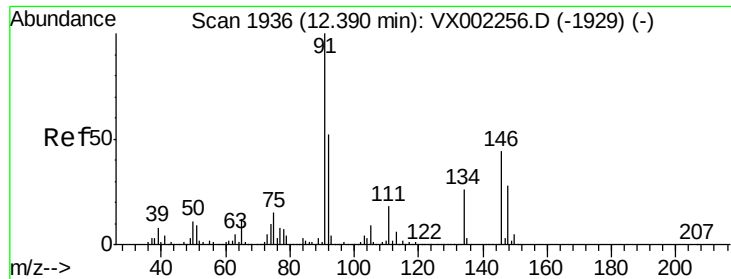
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#88
 1,4-Dichlorobenzene
 Concen: 45.873 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002501.D
 Acq: 13 Jun 2018 10:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.7	56.1
148	64.2	32.4	97.0





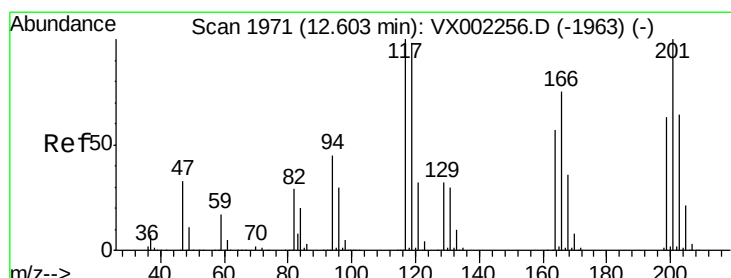
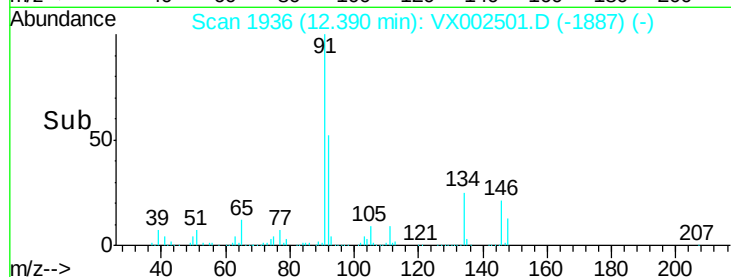
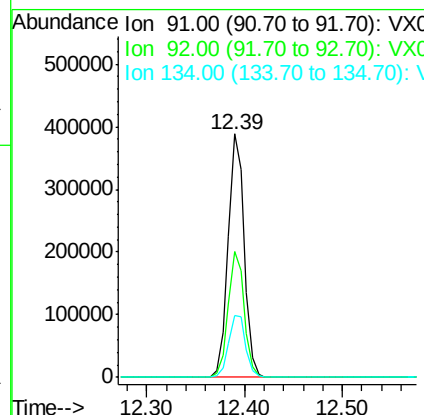
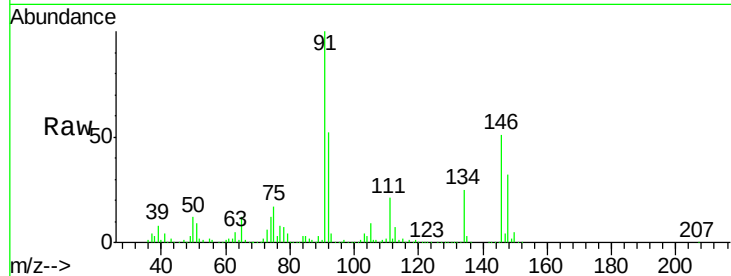
#89
n-Butylbenzene
Concen: 46.376 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.0	78.0
134	27.0	13.5	40.5

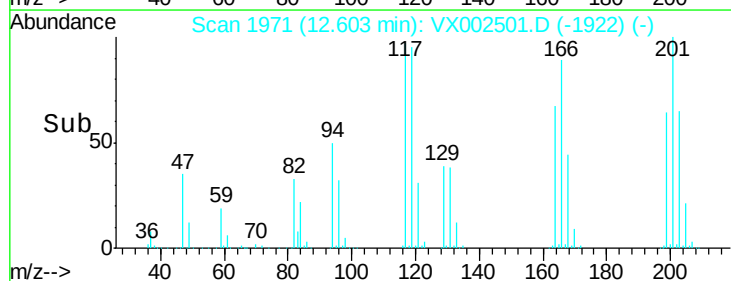
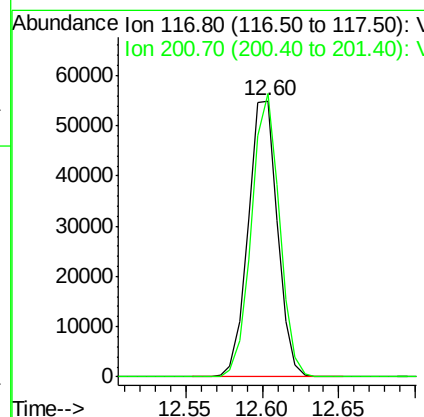
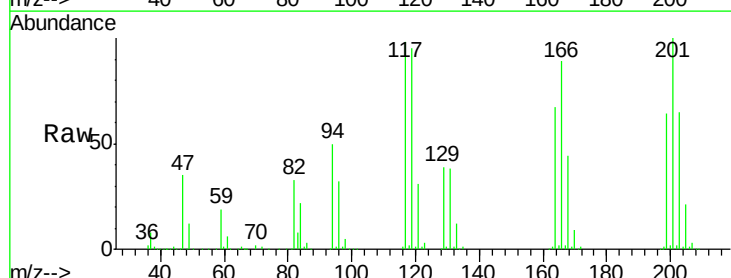
Manual Integrations
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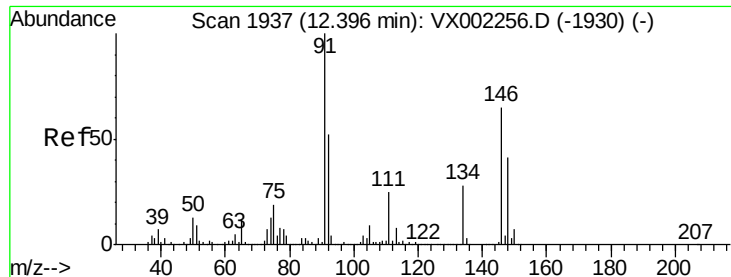
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#90
Hexachloroethane
Concen: 40.346 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.5	49.0	147.0





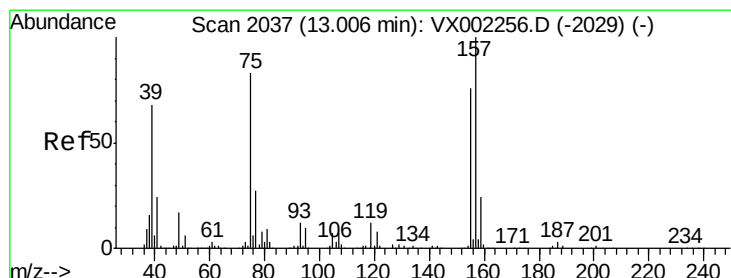
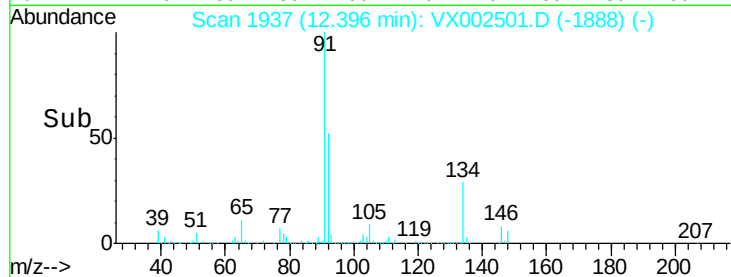
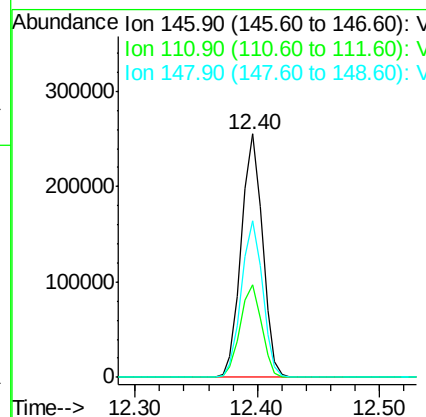
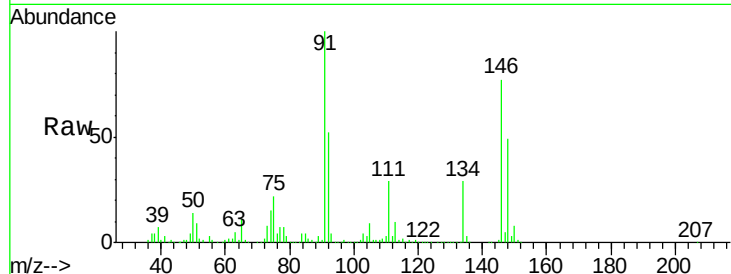
#91
 1,2-Dichlorobenzene
 Concen: 46.294 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002501.D
 Acq: 13 Jun 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	64.2	31.7	95.1

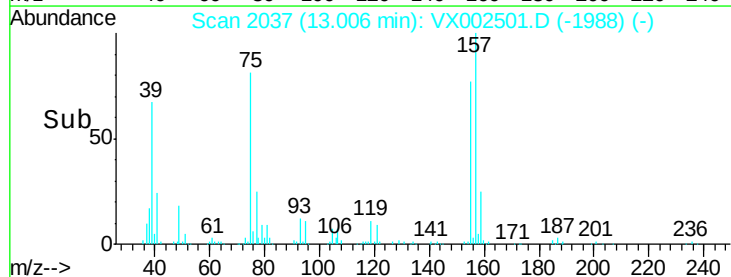
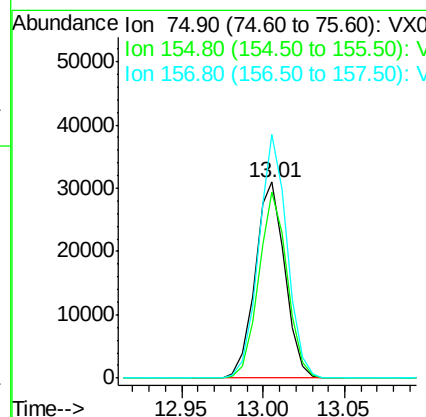
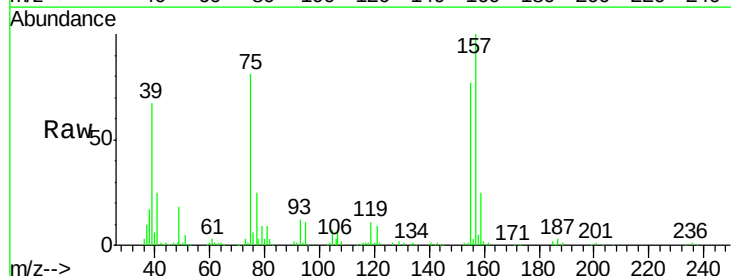
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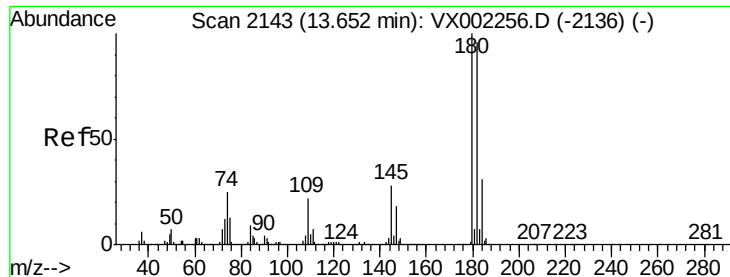
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.853 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002501.D
 Acq: 13 Jun 2018 10:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	45.8	137.4
157	117.9	60.1	180.3





#93

1,2,4-Trichlorobenzene

Concen: 48.424 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX002501.D

Acq: 13 Jun 2018 10:05

Instrument :

MSVOA_X

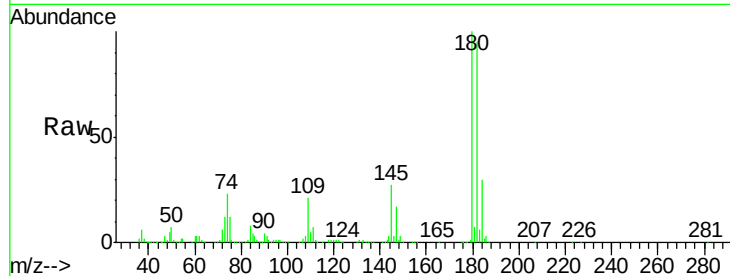
ClientSampleId :

VSTDCCC050

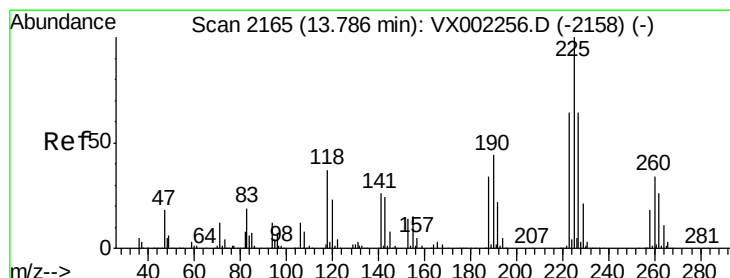
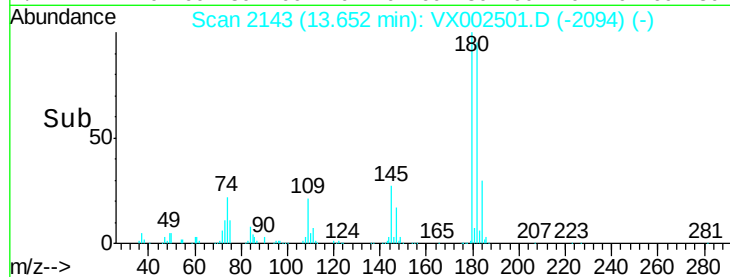
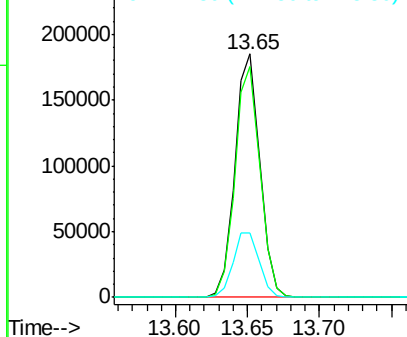
Tot Ion:	180	Resp:	224313
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.7	143.1
145	28.1	14.1	42.4

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 44.222 ug/l

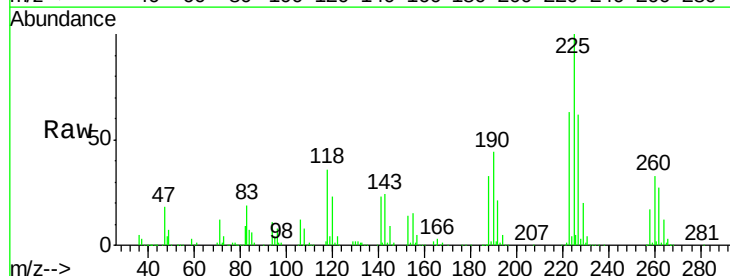
RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

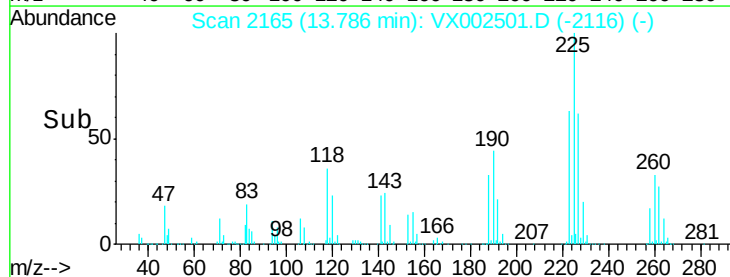
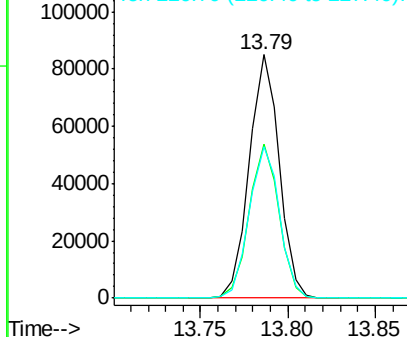
Lab File: VX002501.D

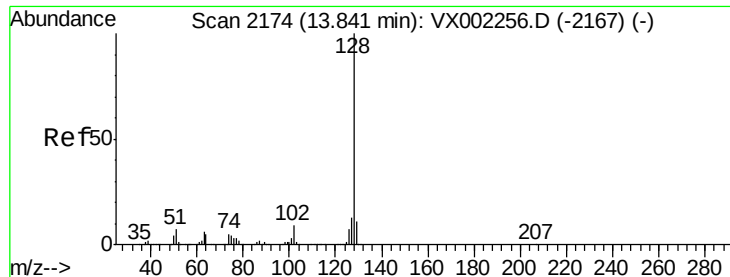
Acq: 13 Jun 2018 10:05

Tgt Ion:	225	Resp:	101226
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.6	95.0
227	62.9	32.4	97.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





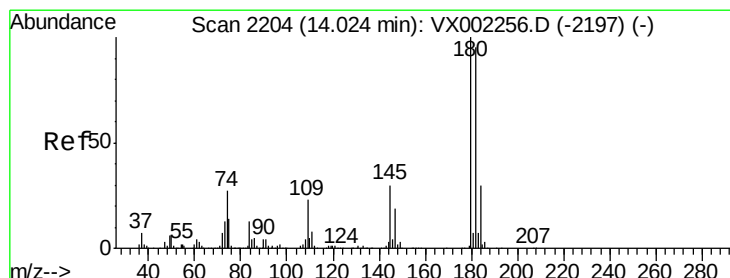
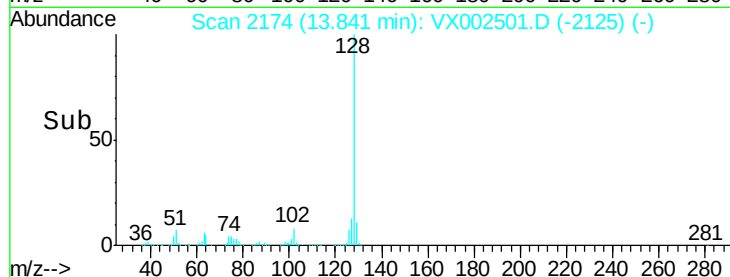
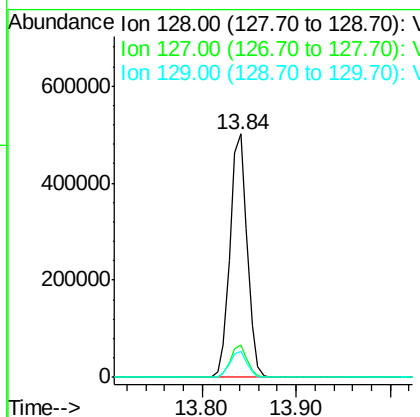
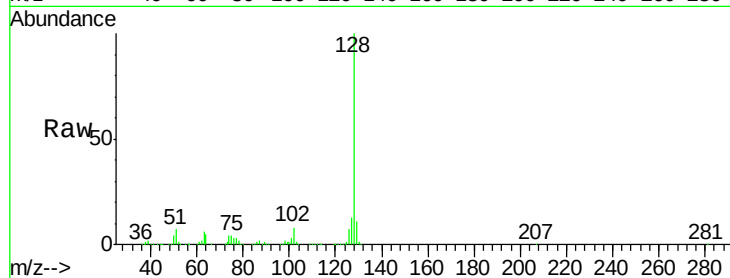
#95
Naphthalene
Concen: 47.429 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/14/2018 11:29:23 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.343 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002501.D
Acq: 13 Jun 2018 10:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.0
145	29.4	14.8	44.3

