

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061118\
 Data File : VX002443.D
 Acq On : 11 Jun 2018 15:22
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/12/2018 4:50:32 PM

Quant Time: Jun 12 02:39:17 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	410383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	631990	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	632375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	409377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	219721	36.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.02%	
35) Dibromofluoromethane	5.51	113	174691	35.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.30%	
50) Toluene-d8	8.72	98	680586	35.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.46%	
62) 4-Bromofluorobenzene	11.14	95	266306	36.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	68435	16.04	ug/l	98
3) Chloromethane	1.32	50	105366	19.82	ug/l	98
4) Vinyl Chloride	1.41	62	107310	19.96	ug/l	99
5) Bromomethane	1.64	94	71177	21.49	ug/l	98
6) Chloroethane	1.71	64	79718	22.92	ug/l	98
7) Trichlorofluoromethane	1.93	101	166720	20.35	ug/l	98
8) Diethyl Ether	2.19	74	85507	28.33	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	88254	19.96	ug/l	100
10) Methyl Iodide	2.51	142	120479	19.38	ug/l	99
11) Tert butyl alcohol	3.08	59	175702	137.15	ug/l	98
12) 1,1-Dichloroethene	2.37	96	91740	21.00	ug/l	98
13) Acrolein	2.29	56	75956	125.49	ug/l	99
14) Allyl chloride	2.73	41	220472	23.25	ug/l	99
15) Acrylonitrile	3.15	53	377357	147.10	ug/l	99
16) Acetone	2.45	43	415778	157.65	ug/l	99
17) Carbon Disulfide	2.57	76	212572	18.46	ug/l	100
18) Methyl Acetate	2.78	43	185733	30.54	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	457700	29.08	ug/l	99
20) Methylene Chloride	2.86	84	131650	27.11	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	108729	22.57	ug/l	100
22) Diisopropyl ether	3.88	45	416230	25.55	ug/l	99
23) Vinyl Acetate	3.83	43	1891666	123.08	ug/l	100
24) 1,1-Dichloroethane	3.70	63	233594	24.93	ug/l	98
25) 2-Butanone	4.71	43	518712	128.91	ug/l	99
26) 2,2-Dichloropropane	4.59	77	155788	21.27	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	121362	23.16	ug/l	95
28) Bromochloromethane	5.03	49	113412	26.81	ug/l	99
29) Tetrahydrofuran	5.17	42	321350	123.87	ug/l	99
30) Chloroform	5.22	83	220009	24.33	ug/l	98
31) Cyclohexane	5.57	56	131813	17.79	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	168090	21.92	ug/l	99
36) 1,1-Dichloropropene	5.80	75	129487	19.49	ug/l	98
37) Ethyl Acetate	4.87	43	198468	24.84	ug/l	99
38) Carbon Tetrachloride	5.79	117	138936	19.99	ug/l	99

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Quant Time: Jun 12 02:39:17 2018
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	129627	15.97	ug/l	99
40) Benzene	6.15	78	458650	22.51	ug/l	100
41) Methacrylonitrile	5.07	41	111626	24.40	ug/l	98
42) 1,2-Dichloroethane	6.20	62	196489	24.28	ug/l	100
43) Isopropyl Acetate	6.47	43	332499	24.50	ug/l	100
44) Trichloroethene	7.22	130	122421	21.65	ug/l	98
45) 1,2-Dichloropropane	7.52	63	127823	23.24	ug/l	100
46) Dibromomethane	7.67	93	90749	24.34	ug/l	99
47) Bromodichloromethane	7.90	83	164284	24.36	ug/l	98
48) Methyl methacrylate	7.78	41	168809	24.76	ug/l	99
49) 1,4-Dioxane	7.76	88	66632	522.76	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1085388	128.43	ug/l	100
52) Toluene	8.79	92	295344	22.79	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	198843	24.59	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	190663	24.99	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	135883	25.50	ug/l	98
56) Ethyl methacrylate	9.18	69	212797	25.01	ug/l	98
57) 1,3-Dichloropropane	9.38	76	220742	24.69	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	501664	127.40	ug/l	100
59) 2-Hexanone	9.50	43	851445	130.43	ug/l	99
60) Dibromochloromethane	9.59	129	142078	26.51	ug/l	100
61) 1,2-Dibromoethane	9.68	107	140232	25.24	ug/l	99
64) Tetrachloroethene	9.34	164	123262	18.90	ug/l	98
65) Chlorobenzene	10.14	112	357878	22.74	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	136271	23.92	ug/l	99
67) Ethyl Benzene	10.26	91	576979	21.91	ug/l	100
68) m/p-Xylenes	10.37	106	448664	43.83	ug/l	100
69) o-Xylene	10.70	106	230656	22.64	ug/l	99
70) Styrene	10.71	104	394860	23.71	ug/l	99
71) Bromoform	10.86	173	112309	23.95	ug/l	100
73) Isopropylbenzene	11.02	105	578699	20.32	ug/l	100
74) N-amyl acetate	6.47	43	332499	21.67	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	208747	23.31	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	181131m	20.16	ug/l	
77) Bromobenzene	11.26	156	176260	22.05	ug/l	99
78) n-propylbenzene	11.37	91	652755	20.62	ug/l	99
79) 2-Chlorotoluene	11.43	91	416151	20.82	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	511174	20.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	59639	23.27	ug/l	98
82) 4-Chlorotoluene	11.51	91	498057	21.59	ug/l	99
83) tert-Butylbenzene	11.77	119	496352	20.87	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	539816	21.47	ug/l	99
85) sec-Butylbenzene	11.95	105	564154	20.23	ug/l	100
86) p-Isopropyltoluene	12.07	119	522659	20.58	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	316121	22.11	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	326488	22.16	ug/l	100
89) n-Butylbenzene	12.39	91	443674	20.83	ug/l	99
90) Hexachloroethane	12.60	117	84150	20.75	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	333868	22.57	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	48843	24.94	ug/l	98

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VSTDCCC050

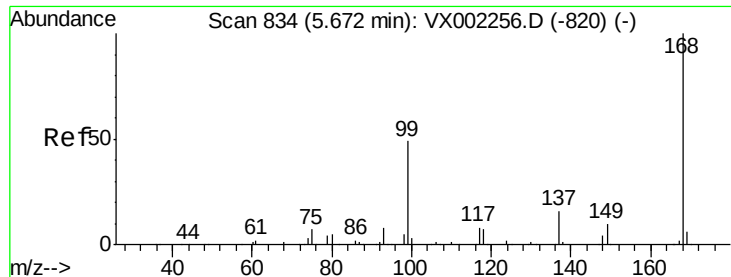
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	235885	22.74	ug/l	100
94) Hexachlorobutadiene	13.79	225	101758	19.86	ug/l	99
95) Naphthalene	13.84	128	713894	23.96	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	244772	23.14	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 410383

Ion Ratio Lower Upper

168 100

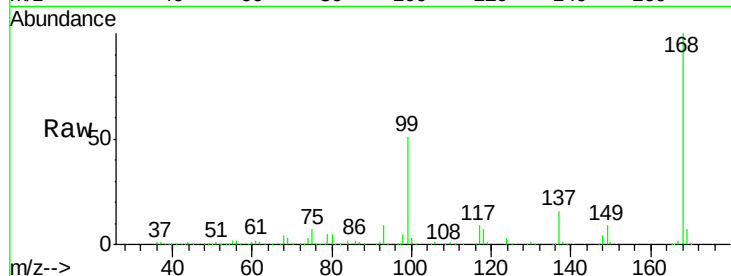
99 50.9 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

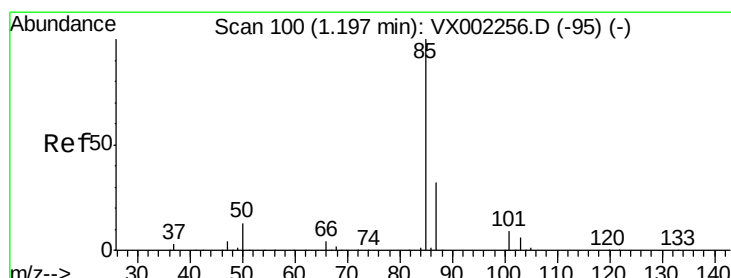
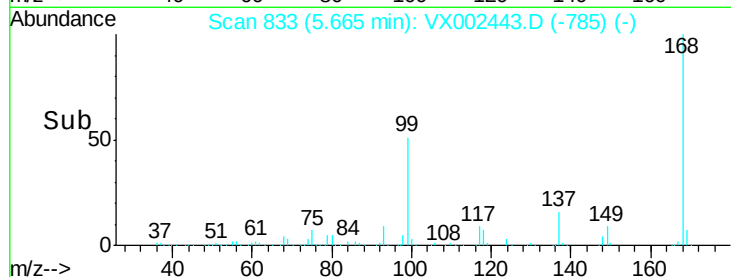
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 16.04 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002443.D

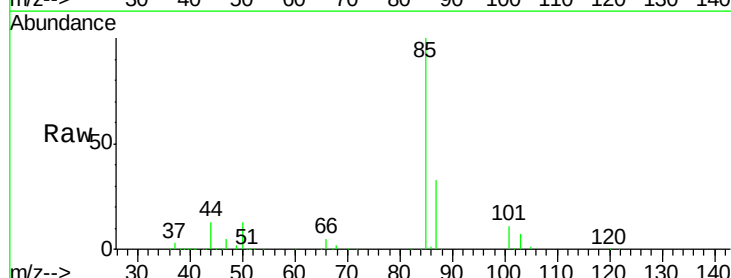
Acq: 11 Jun 2018 15:22

Tgt Ion: 85 Resp: 68435

Ion Ratio Lower Upper

85 100

87 33.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

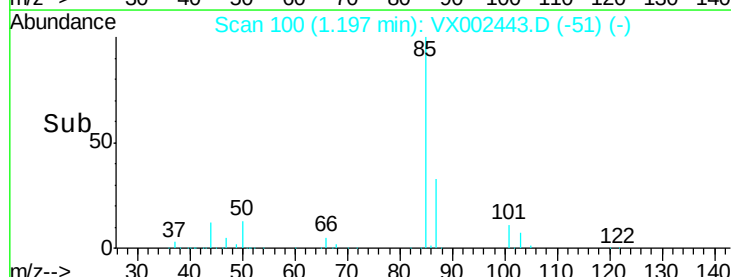
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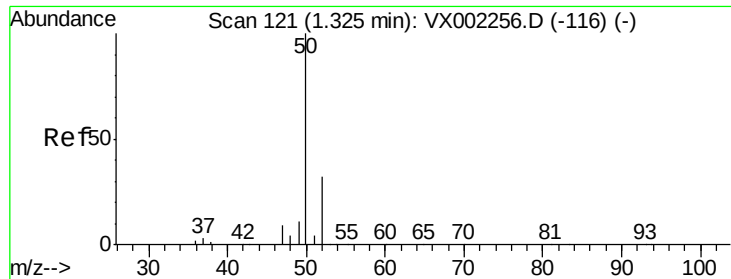
40000

20000

0

Time--> 1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.82 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 105366

Ion Ratio Lower Upper

50 100

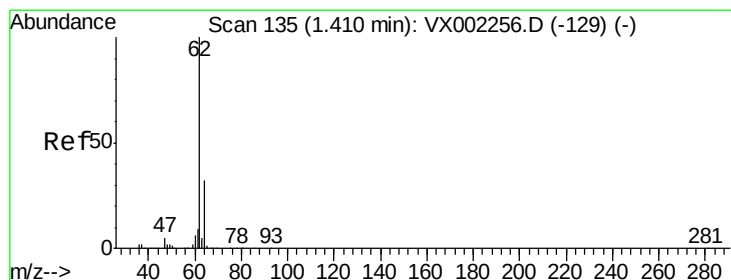
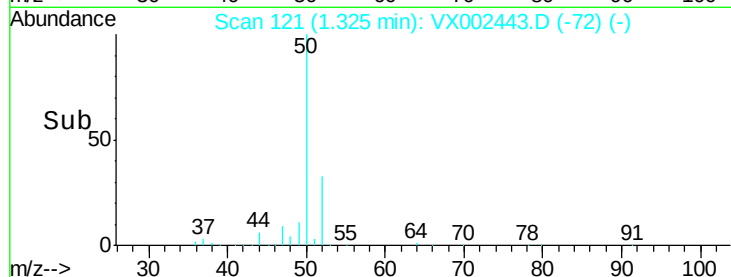
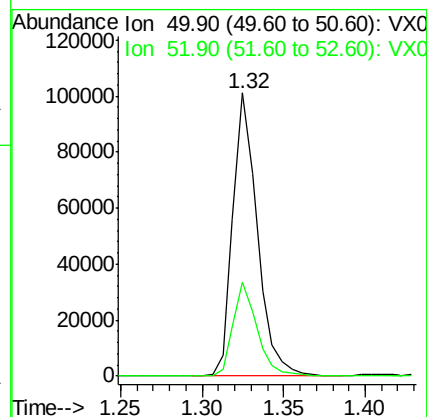
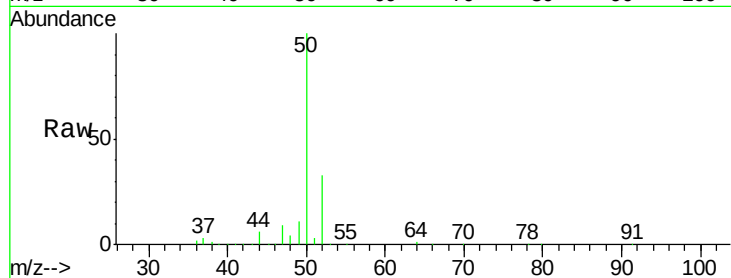
52 33.2 25.7 38.5

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#4

Vinyl Chloride

Concen: 19.96 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002443.D

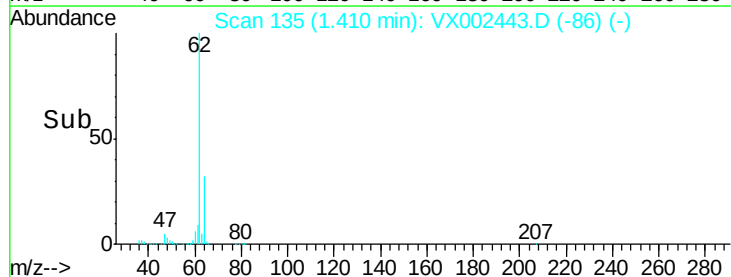
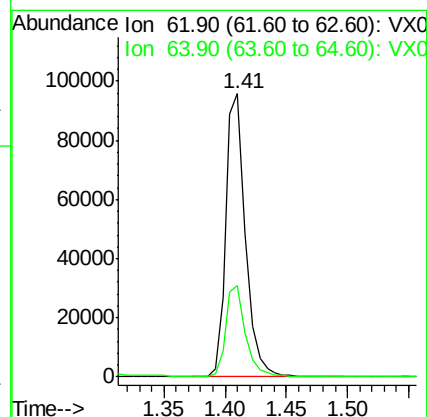
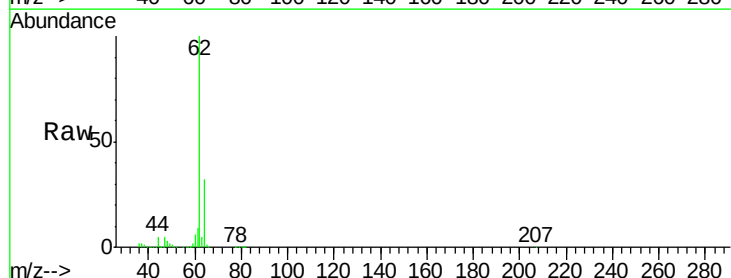
Acq: 11 Jun 2018 15:22

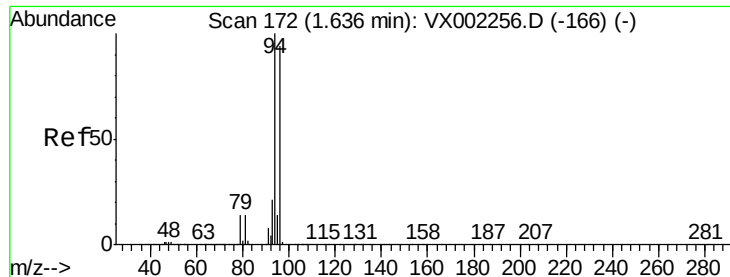
Tgt Ion: 62 Resp: 107310

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2





#5

Bromomethane

Concen: 21.49 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 71177

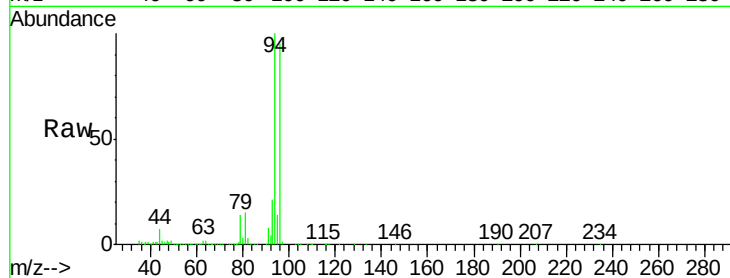
Ion Ratio Lower Upper

94 100

96 95.5 74.9 112.3

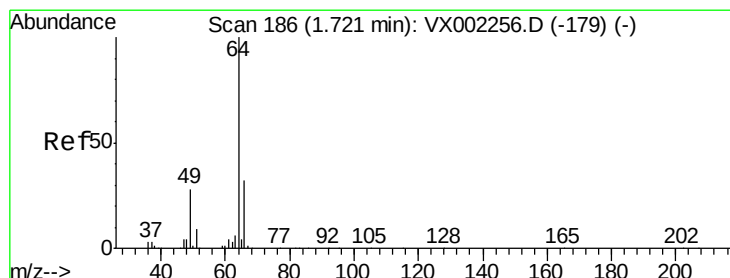
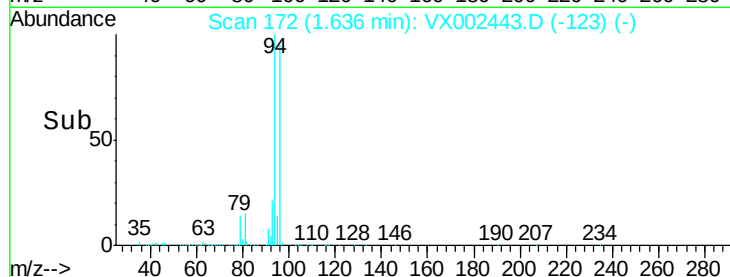
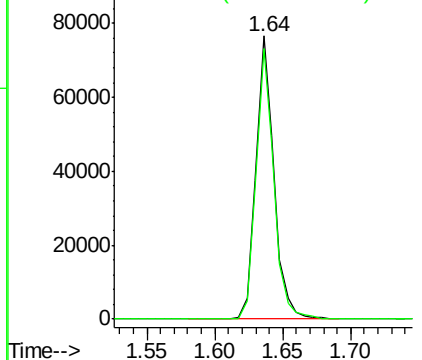
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 22.92 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002443.D

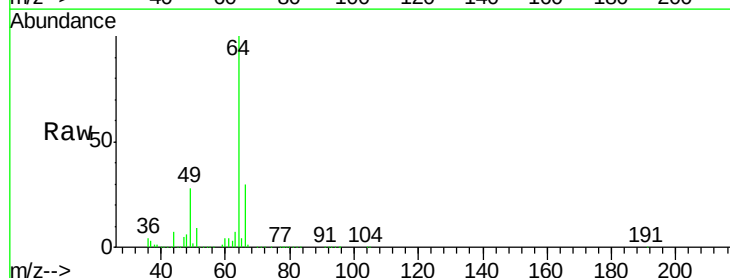
Acq: 11 Jun 2018 15:22

Tgt Ion: 64 Resp: 79718

Ion Ratio Lower Upper

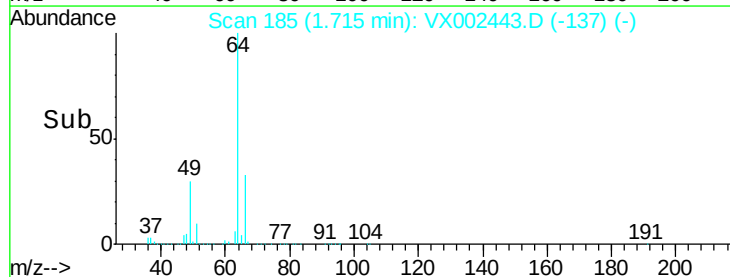
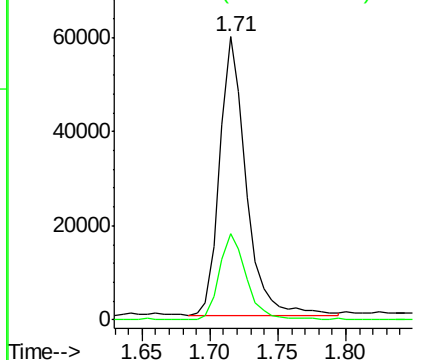
64 100

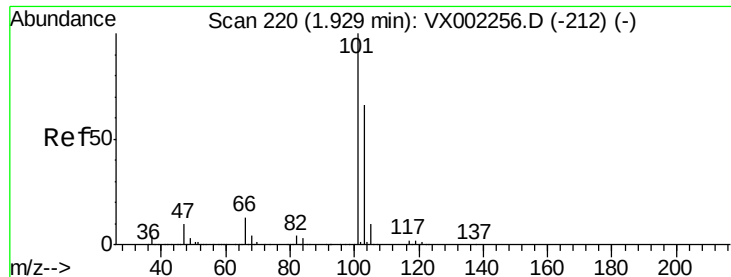
66 30.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

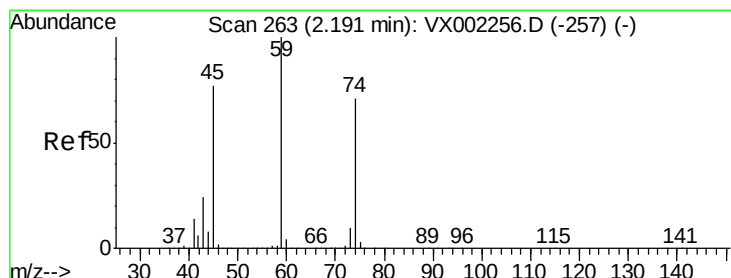
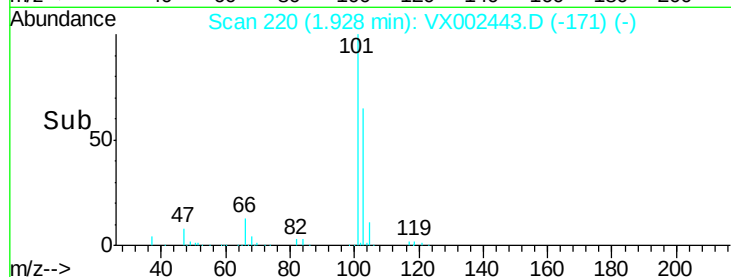
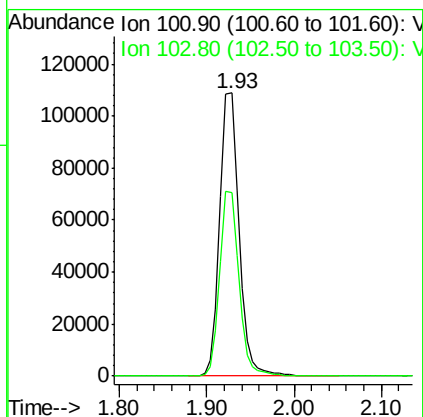
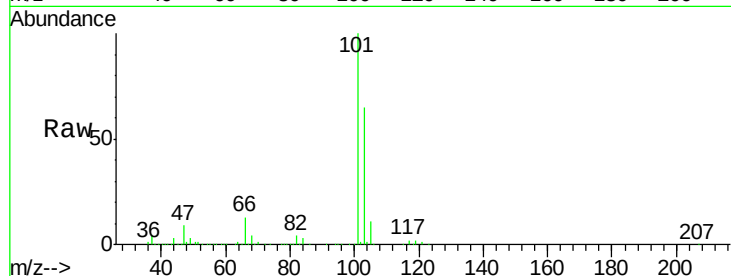
Trichlorofluoromethane
 Concen: 20.35 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX002443.D
 Acq: 11 Jun 2018 15:22

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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.8	79.2

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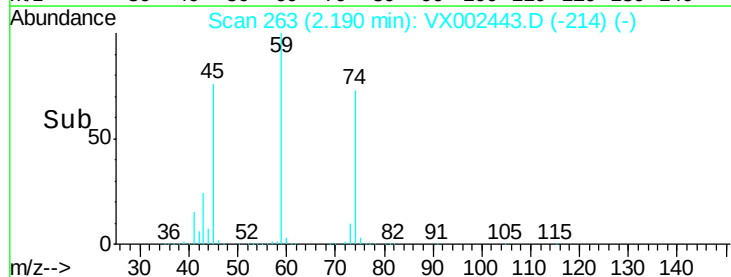
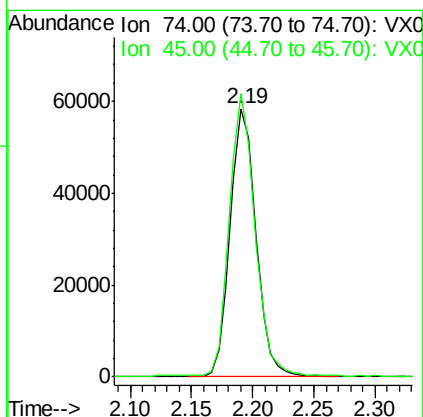
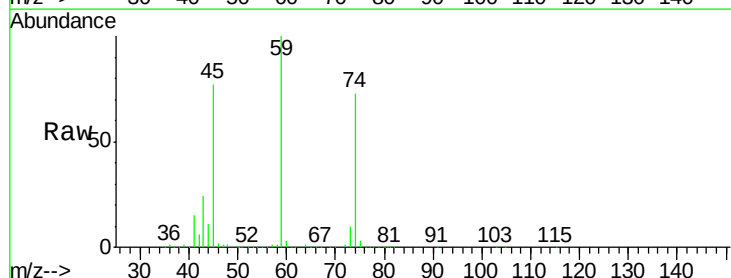
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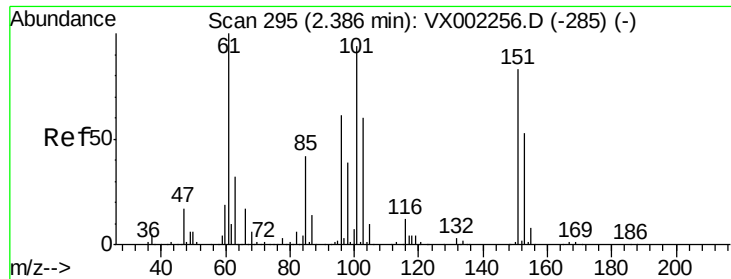


#8

Diethyl Ether
 Concen: 28.33 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002443.D
 Acq: 11 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.96 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

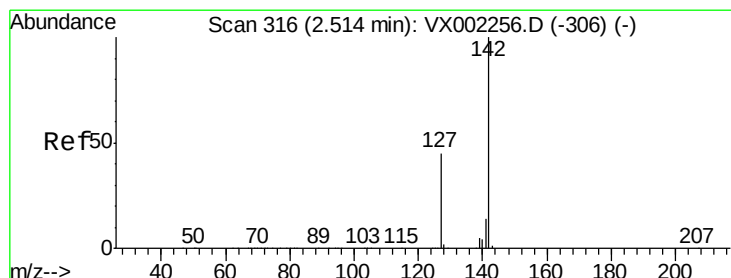
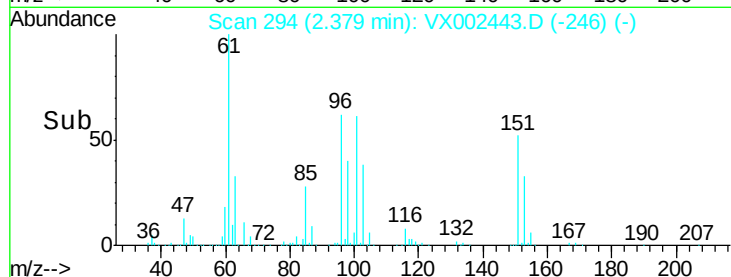
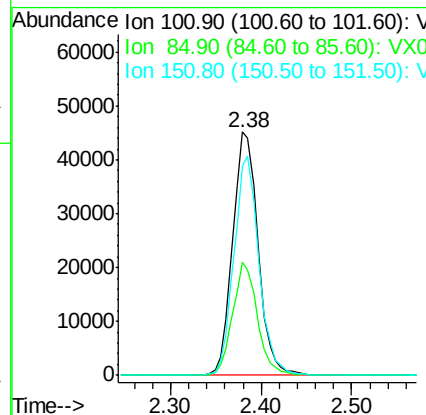
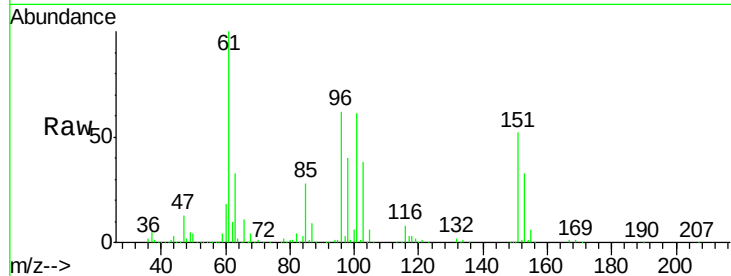
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	88254
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.0	54.0
151	88.3	70.9	106.3

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#10

Methyl Iodide

Concen: 19.38 ug/l

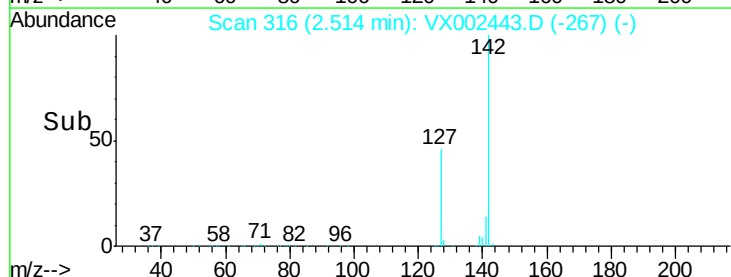
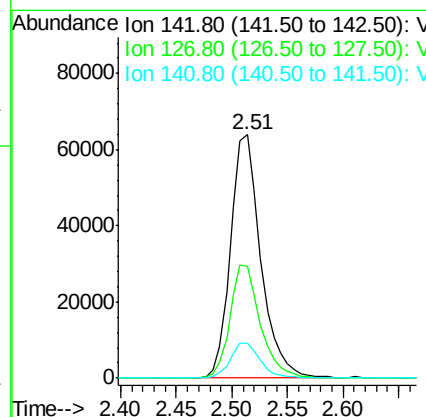
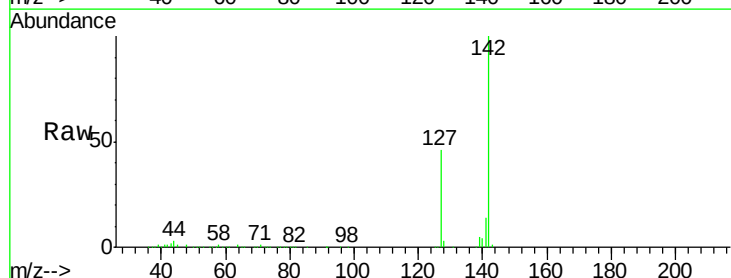
RT: 2.51 min Scan# 316

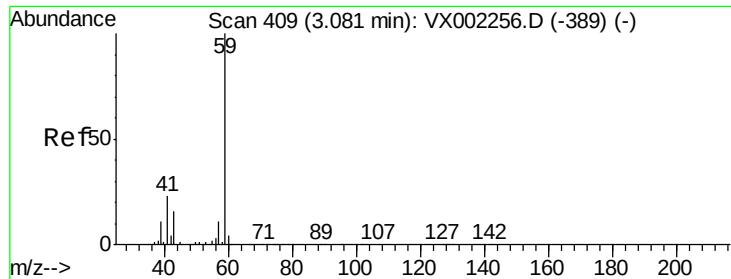
Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Tgt Ion:	142	Resp:	120479
Ion Ratio	Lower	Upper	
142	100		
127	46.6	36.6	55.0
141	14.5	11.3	16.9





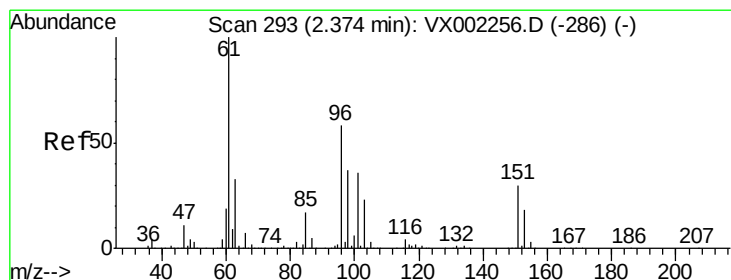
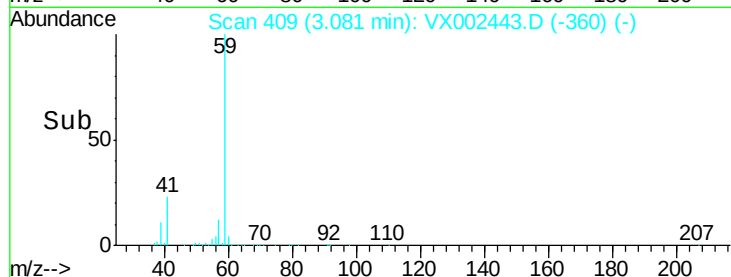
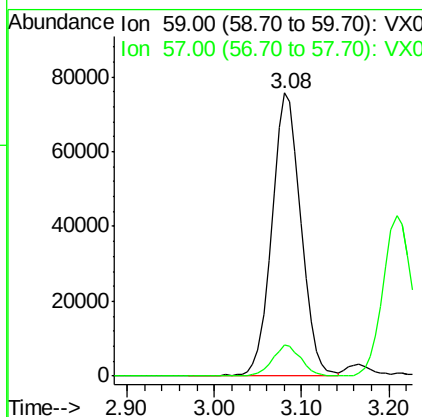
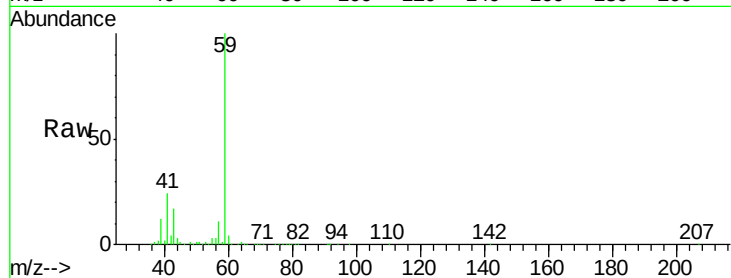
#11
Tert butyl alcohol
Concen: 137.15 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 175702
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.2

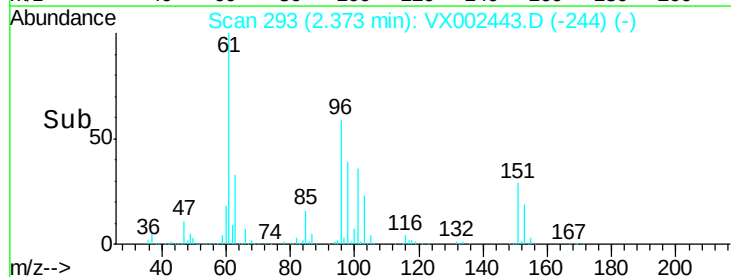
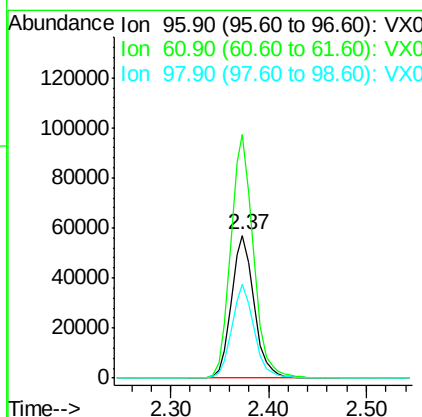
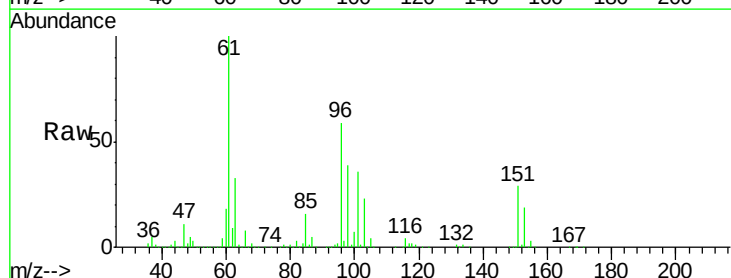
Manual Integrations
APPROVED

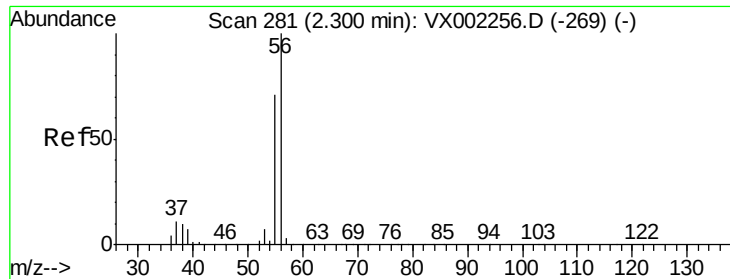
MMDadoda
6/12/2018 4:50:32 PM



#12
1,1-Dichloroethene
Concen: 21.00 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Tgt Ion: 96 Resp: 91740
Ion Ratio Lower Upper
96 100
61 170.2 137.9 206.9
98 65.5 51.6 77.4





#13

Acrolein

Concen: 125.49 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 75956

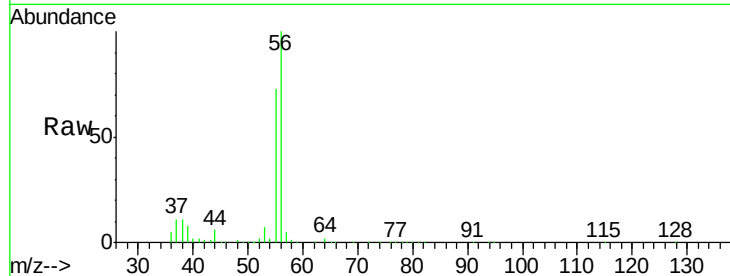
Ion Ratio Lower Upper

56 100

55 72.0 57.0 85.4

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

50000

40000

30000

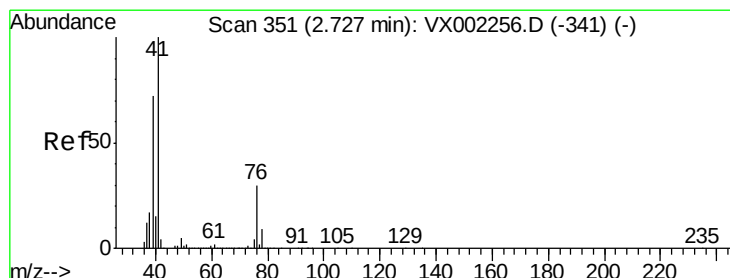
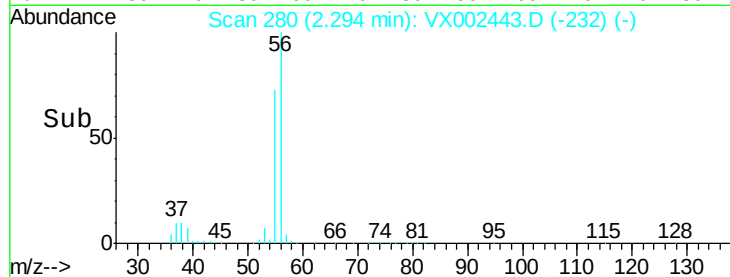
20000

10000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 23.25 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

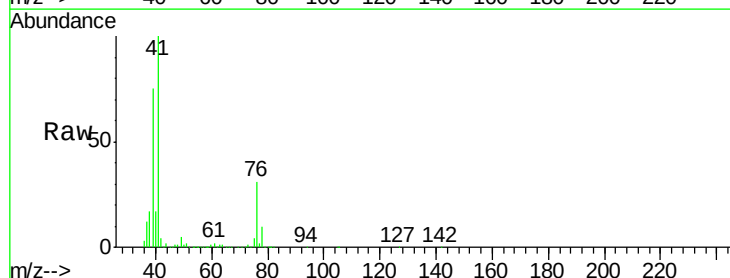
Tgt Ion: 41 Resp: 220472

Ion Ratio Lower Upper

41 100

39 71.5 56.8 85.2

76 29.5 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

150000

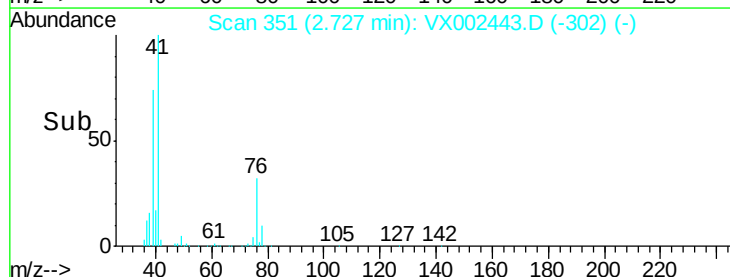
100000

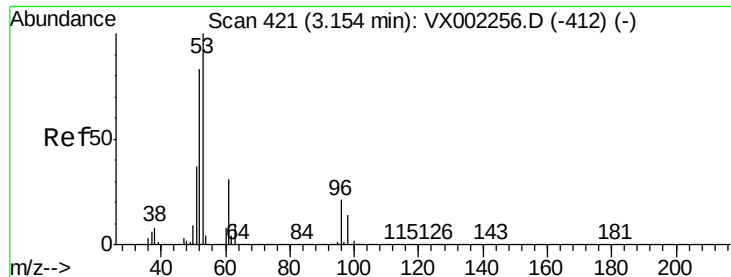
50000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 147.10 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

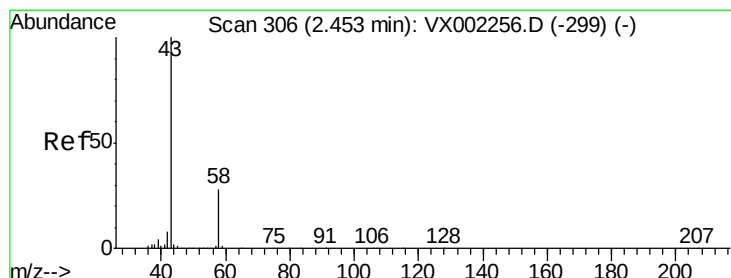
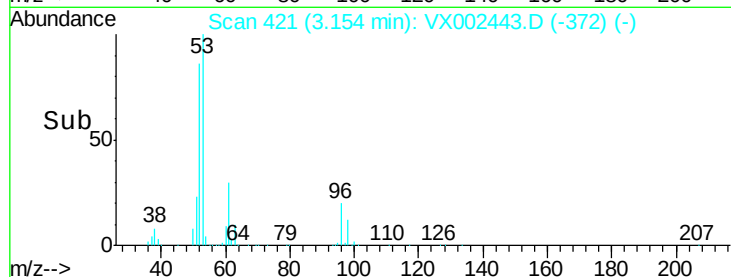
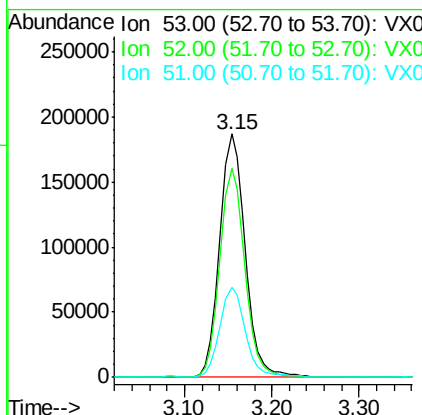
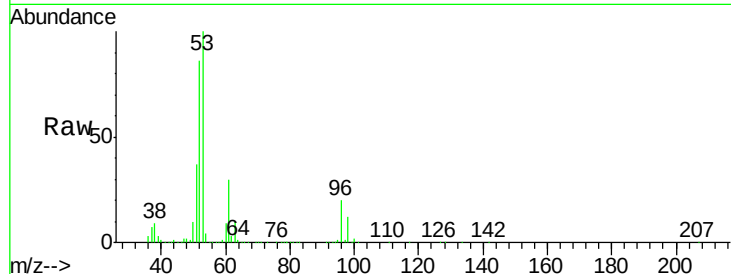
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	377357
Ion Ratio	Lower	Upper	
53	100		
52	84.5	66.7	100.1
51	37.7	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 157.65 ug/l

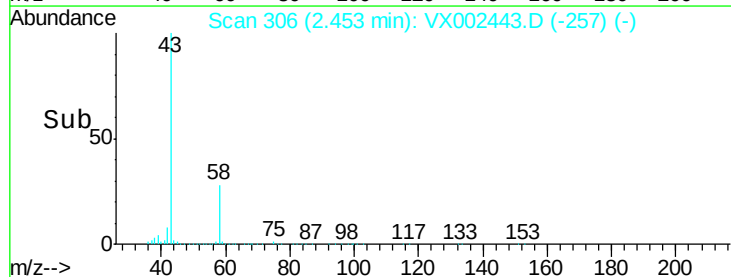
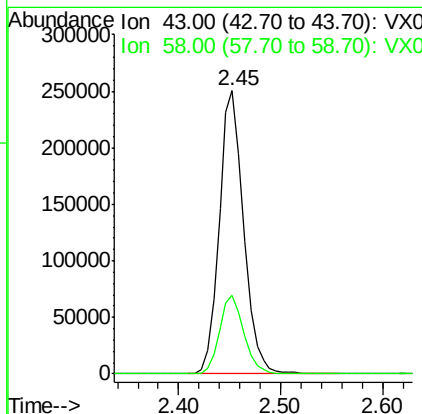
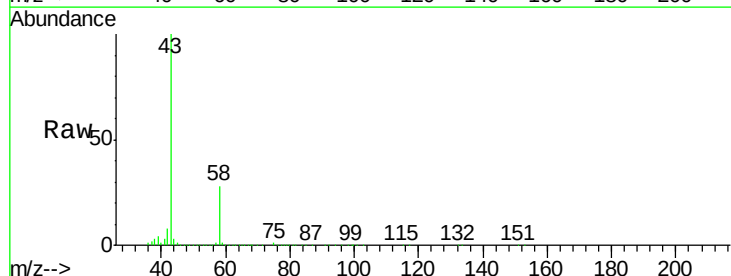
RT: 2.45 min Scan# 306

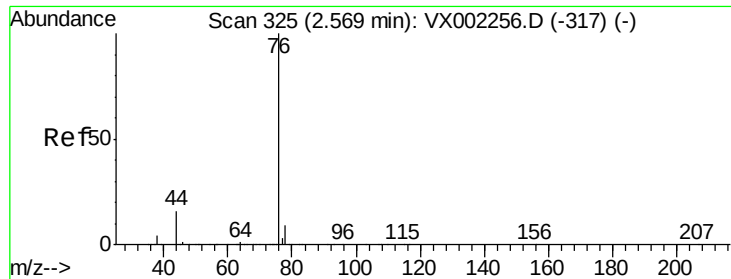
Delta R.T. 0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Tgt Ion:	43	Resp:	415778
Ion Ratio	Lower	Upper	
43	100		
58	27.9	22.1	33.1





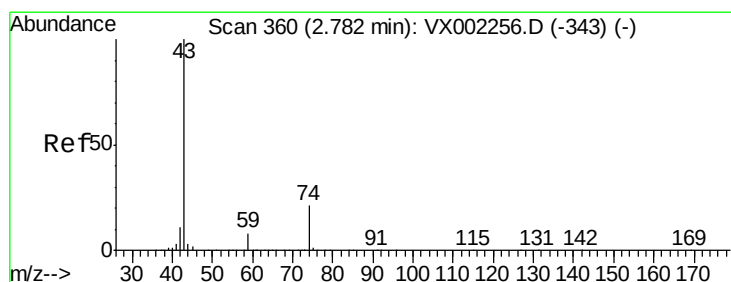
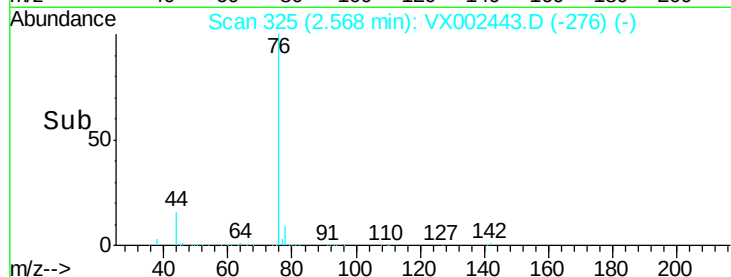
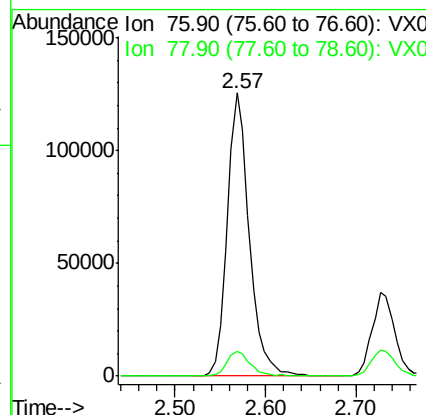
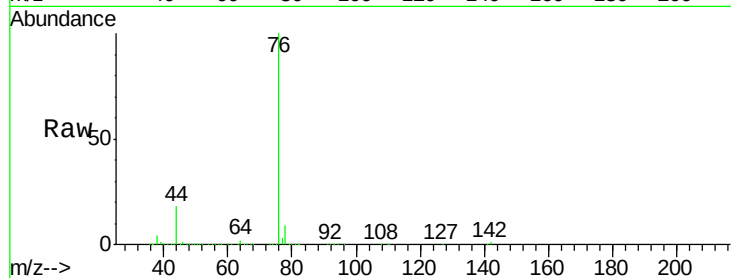
#17
Carbon Disulfide
Concen: 18.46 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.9	10.3

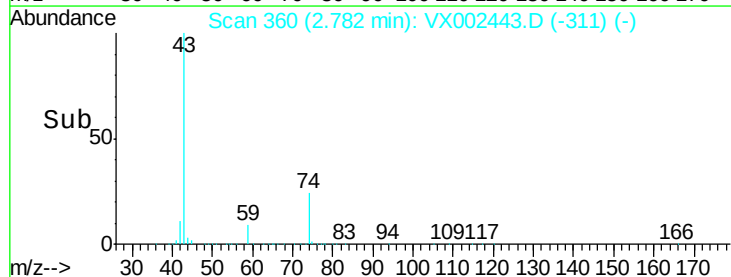
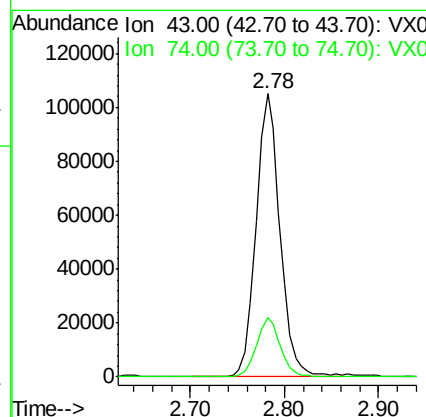
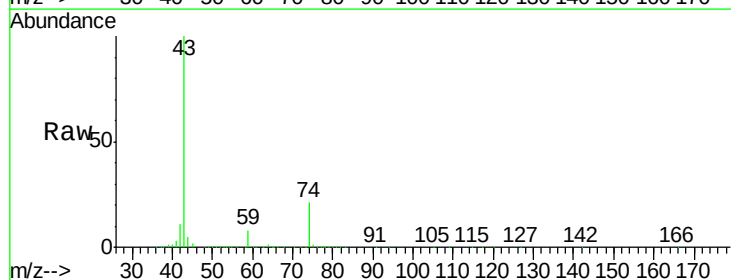
Manual Integrations
APPROVED

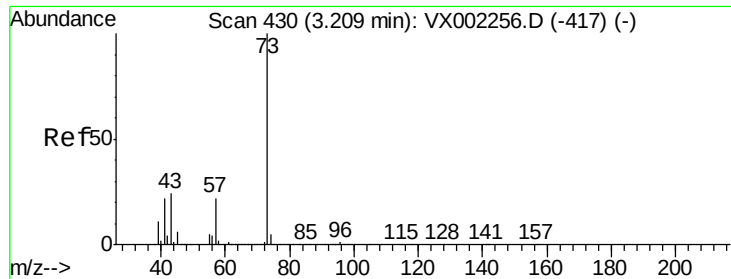
MMDadoda
6/12/2018 4:50:32 PM



#18
Methyl Acetate
Concen: 30.54 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	16.7	25.1





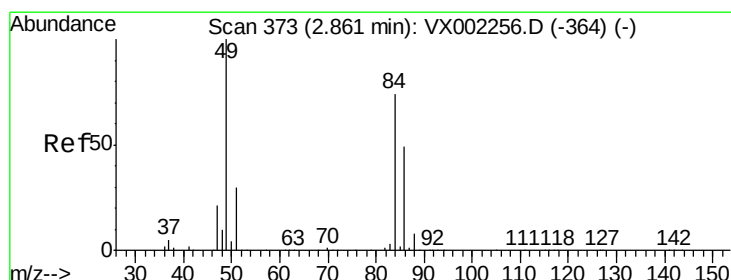
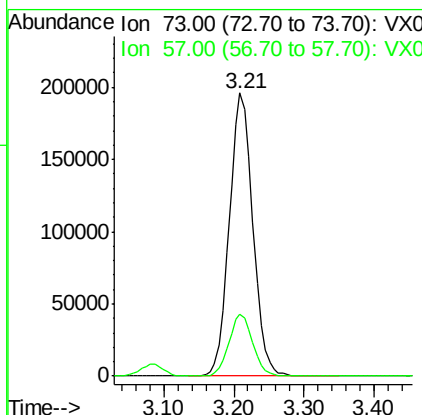
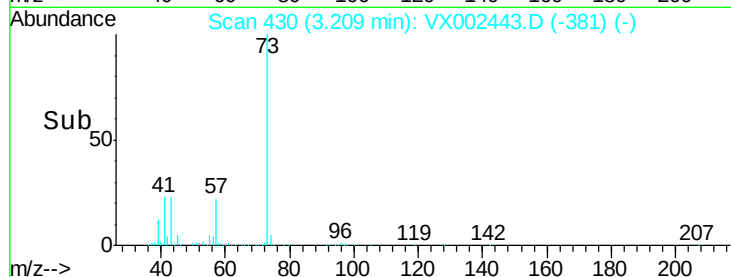
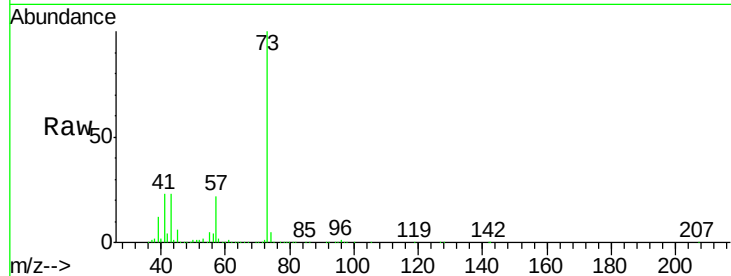
#19
Methyl tert-butyl Ether
Concen: 29.08 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5

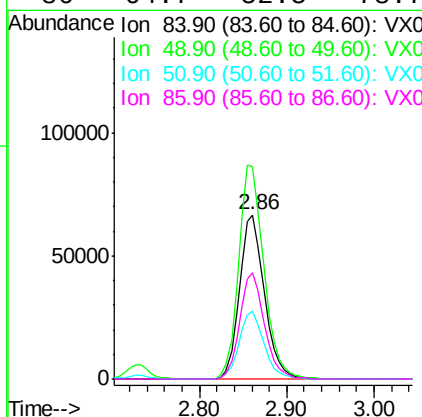
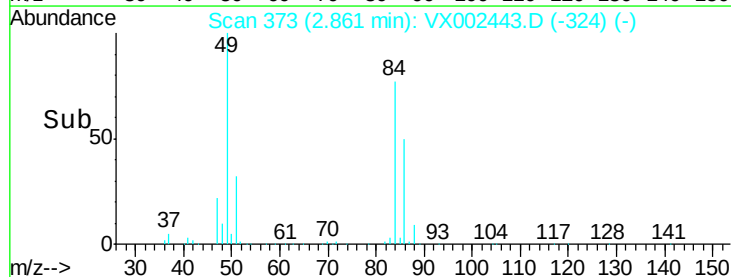
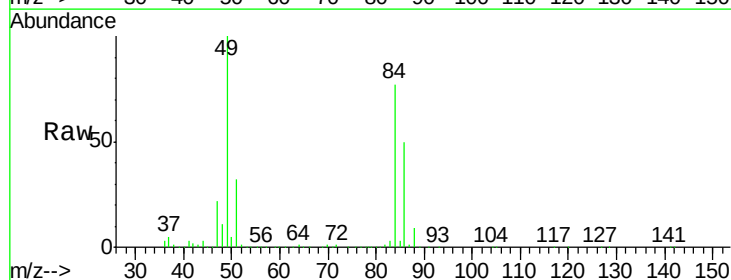
Manual Integrations
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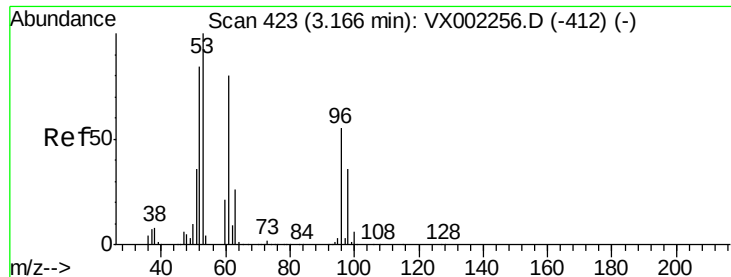
MMDadoda
6/12/2018 4:50:32 PM



#20
Methylene Chloride
Concen: 27.11 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.7	107.8	161.6
51	41.4	32.8	49.2
86	64.7	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 22.57 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

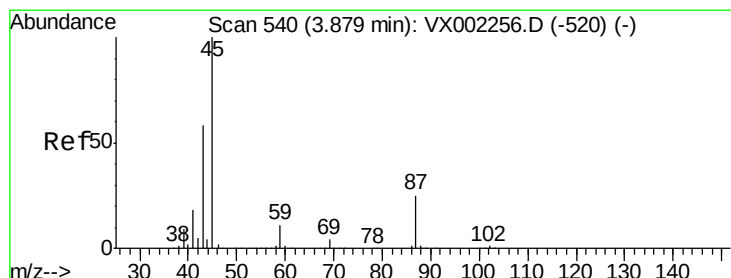
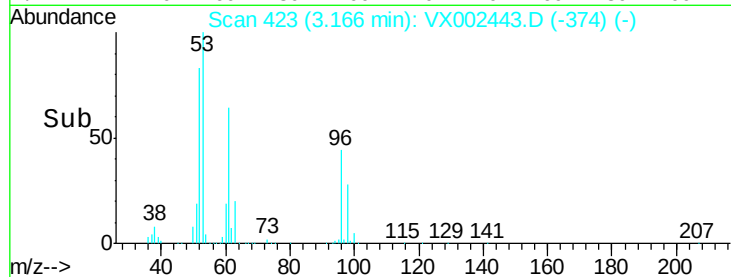
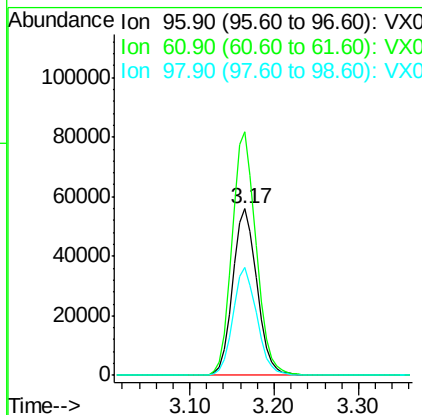
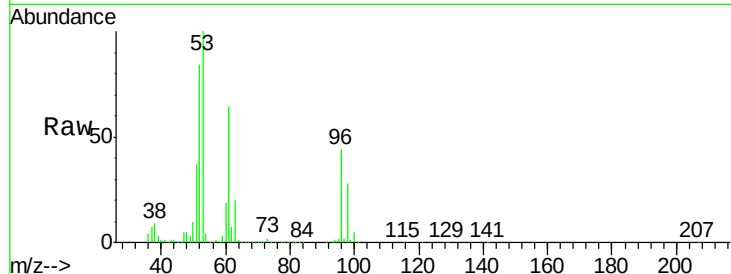
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	108729
Ion	Ratio	Lower	Upper
96	100		
61	146.2	117.0	175.4
98	64.6	52.4	78.6

Manual Integrations
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6/12/2018 4:50:32 PM



#22

Diisopropyl ether

Concen: 25.55 ug/l

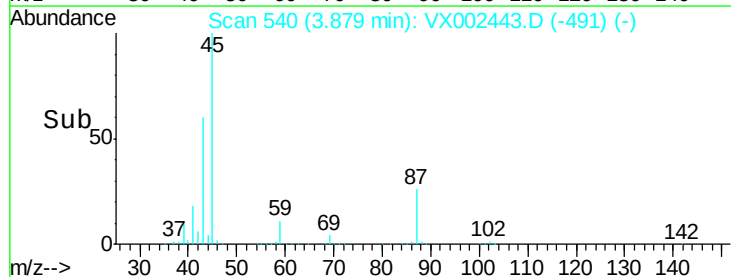
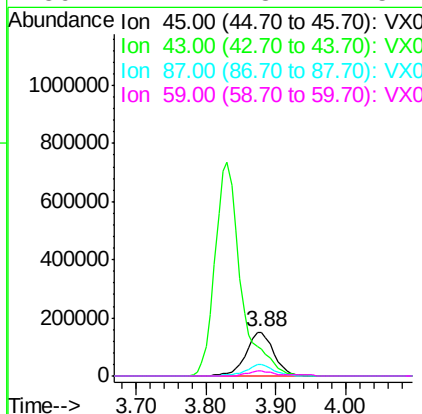
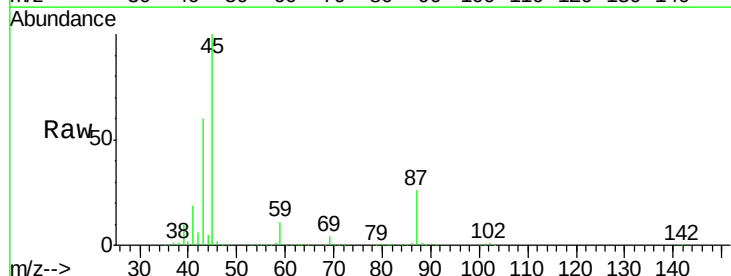
RT: 3.88 min Scan# 540

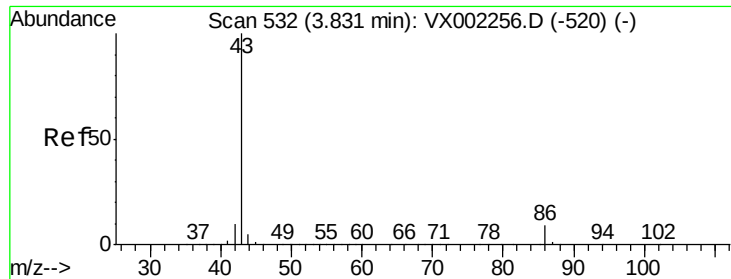
Delta R.T. 0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Tgt Ion:	45	Resp:	416230
Ion	Ratio	Lower	Upper
45	100		
43	59.9	46.8	70.2
87	25.6	20.2	30.4
59	11.1	8.7	13.1





#23

Vinyl Acetate

Concen: 123.08 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1891666

Ion Ratio Lower Upper

43 100

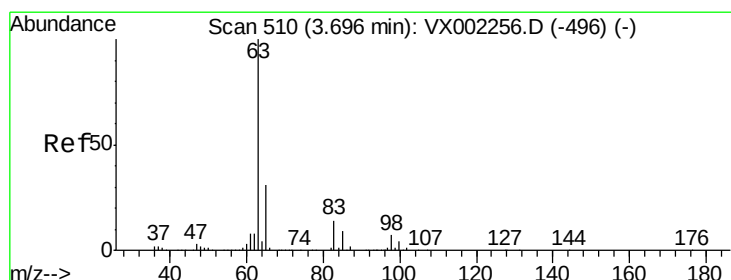
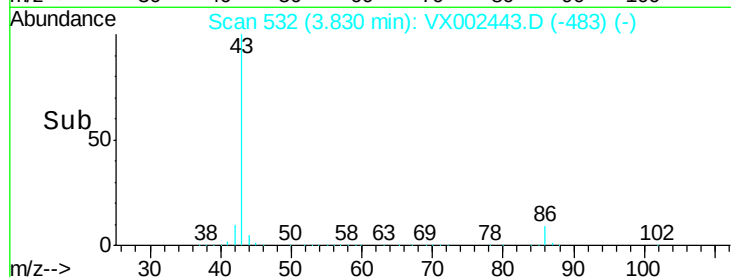
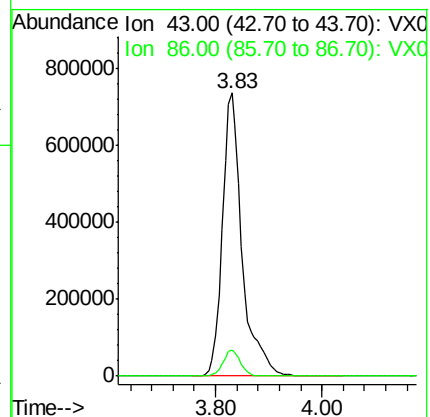
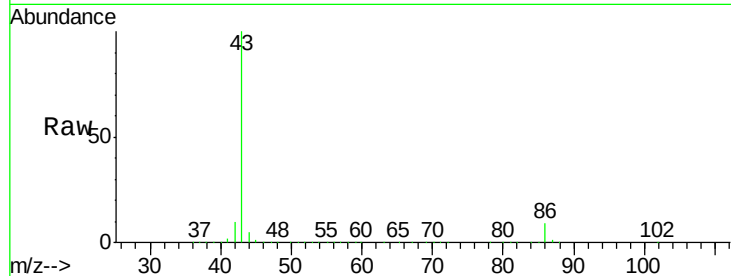
86 9.3 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 24.93 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

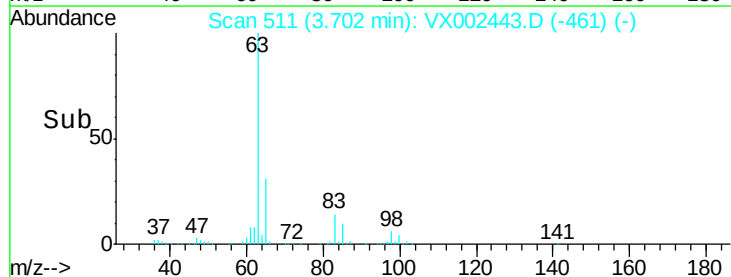
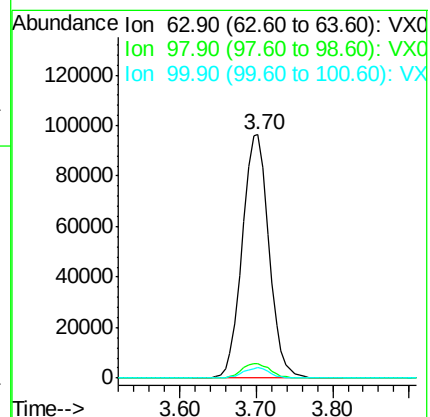
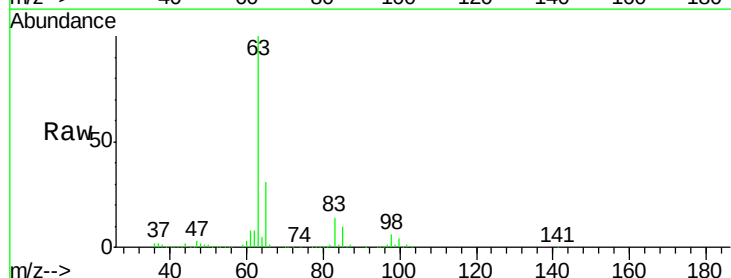
Tgt Ion: 63 Resp: 233594

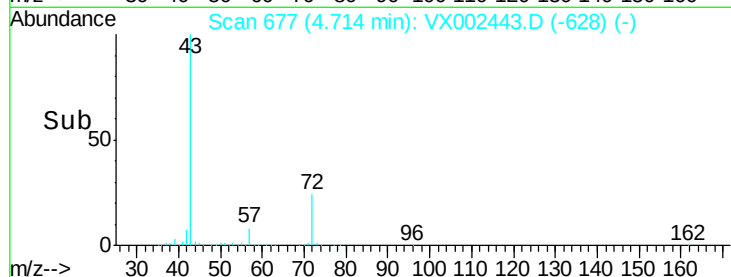
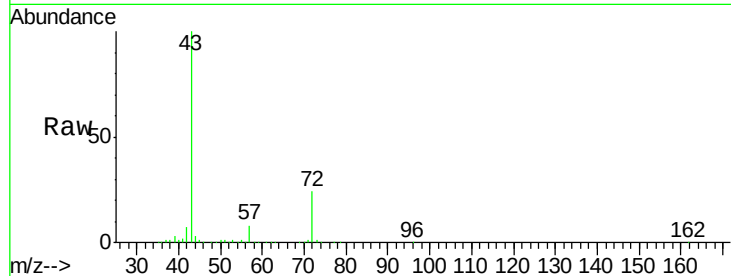
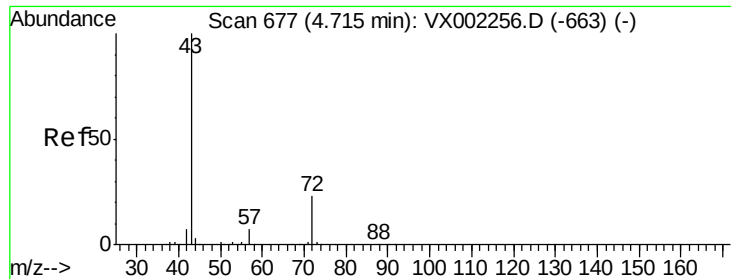
Ion Ratio Lower Upper

63 100

98 6.0 3.4 10.2

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 128.91 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Tot Ion: 43 Resp: 518712

Ion Ratio Lower Upper

43 100

72 23.7 18.5 27.7

Instrument :

MSVOA_X

ClientSampleId :

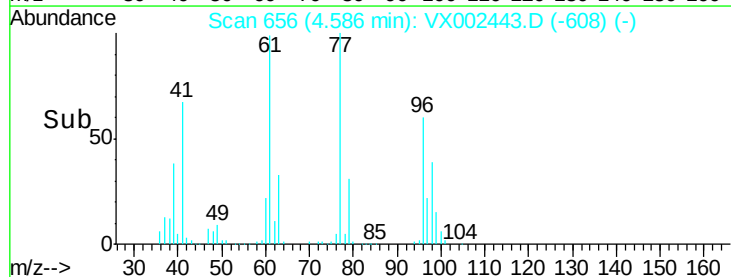
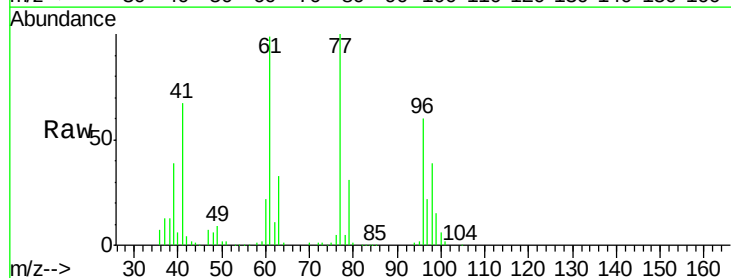
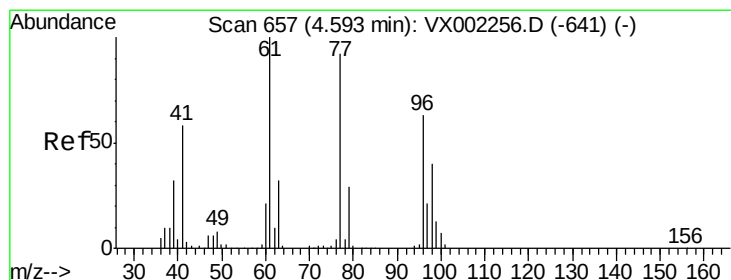
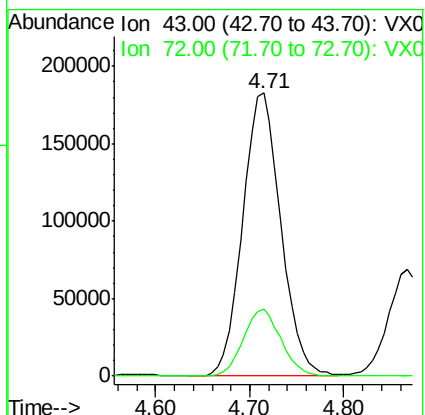
VSTDCCC050

Manual Integrations

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MMDadoda

6/12/2018 4:50:32 PM



#26

2,2-Dichloropropane

Concen: 21.27 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002443.D

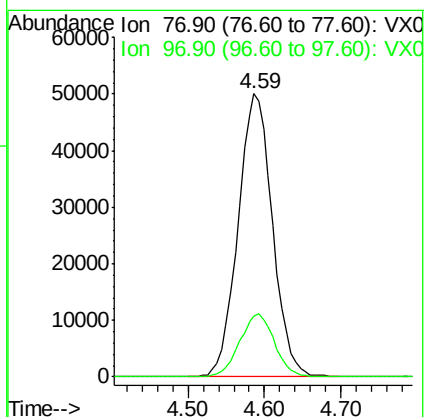
Acq: 11 Jun 2018 15:22

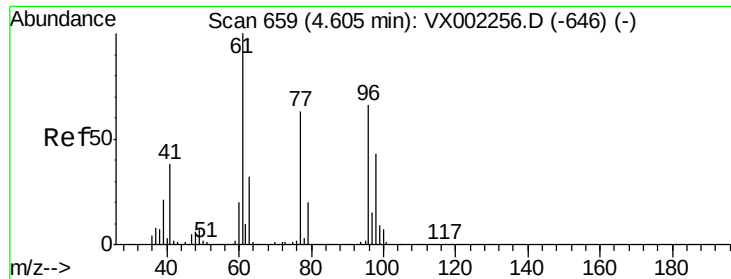
Tgt Ion: 77 Resp: 155788

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 23.16 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

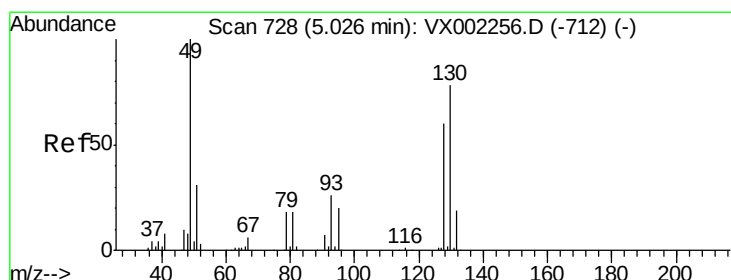
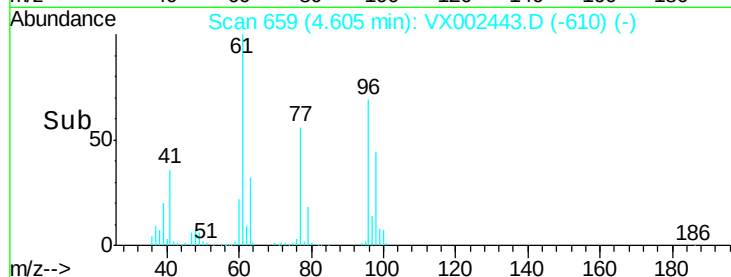
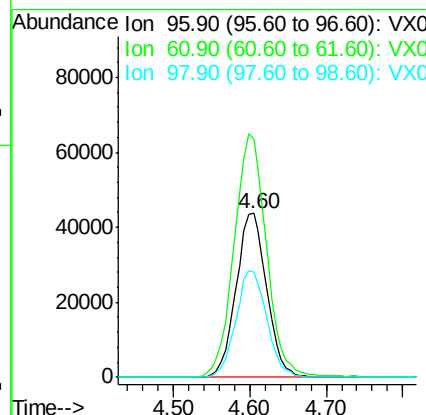
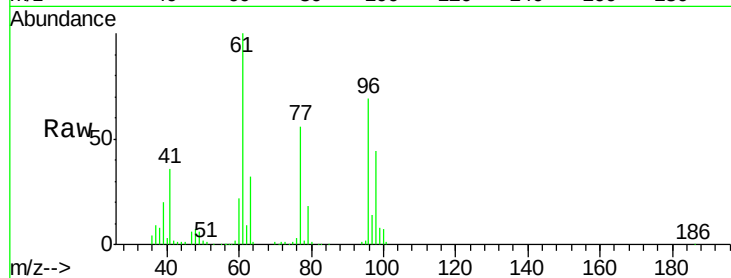
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	121362
Ion	Ratio	Lower	Upper
96	100		
61	156.9	0.0	330.2
98	65.8	0.0	130.2

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#28

Bromochloromethane

Concen: 26.81 ug/l

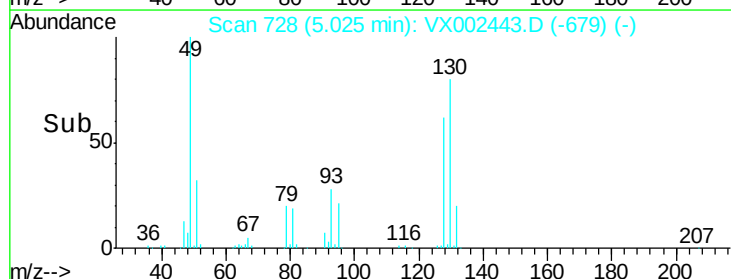
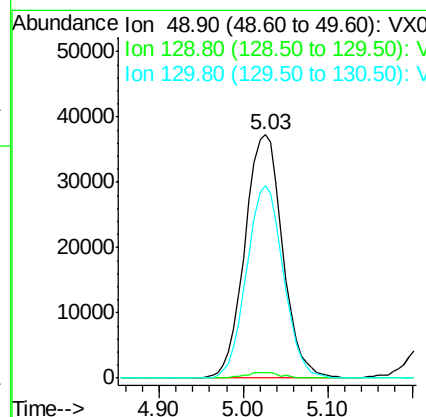
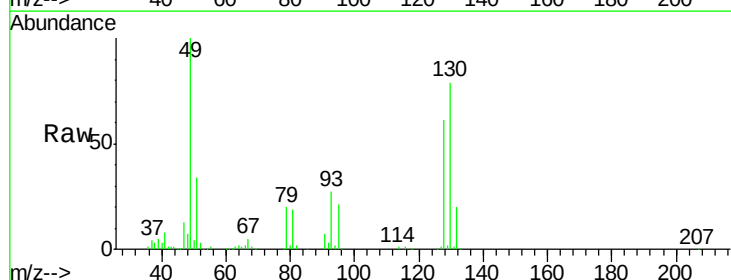
RT: 5.03 min Scan# 728

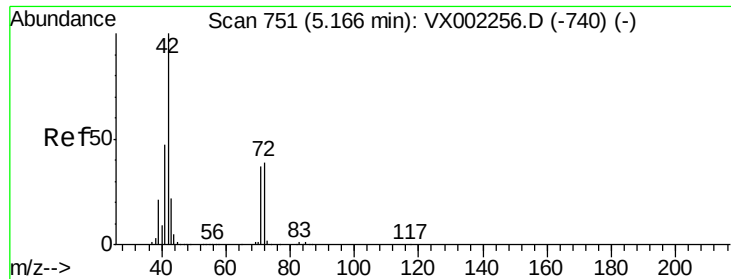
Delta R.T. 0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Tgt Ion:	49	Resp:	113412
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	77.1	61.2	91.8





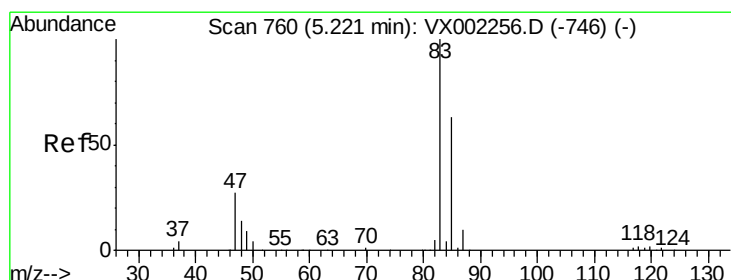
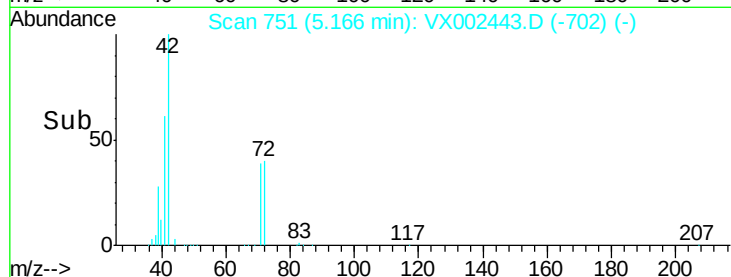
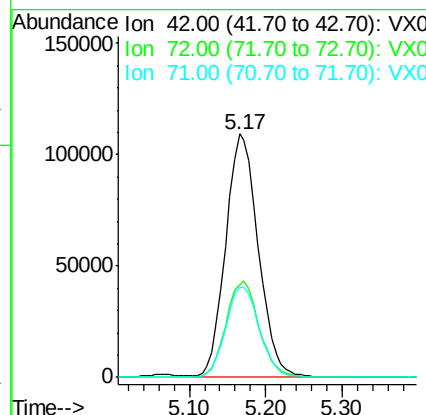
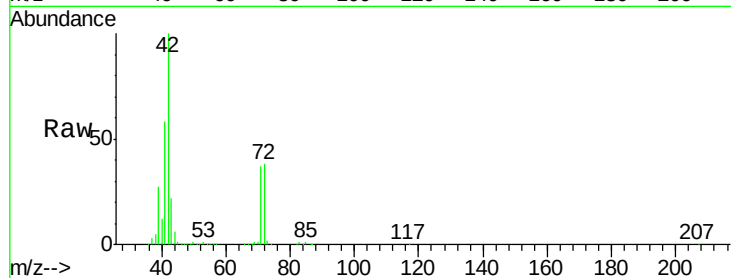
#29
Tetrahydrofuran
Concen: 123.87 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	321350
Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.0	48.0
71	38.4	30.1	45.1

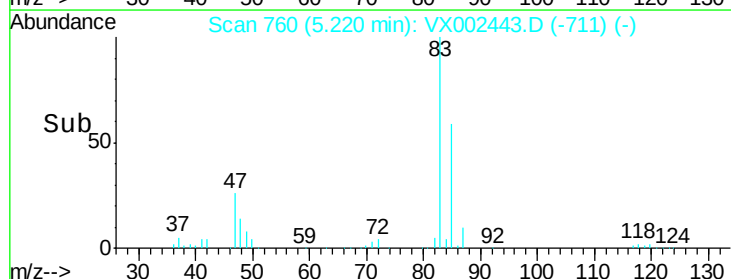
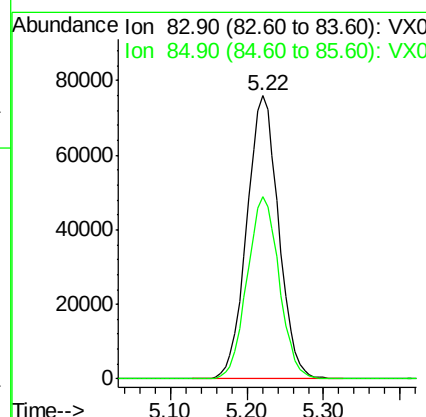
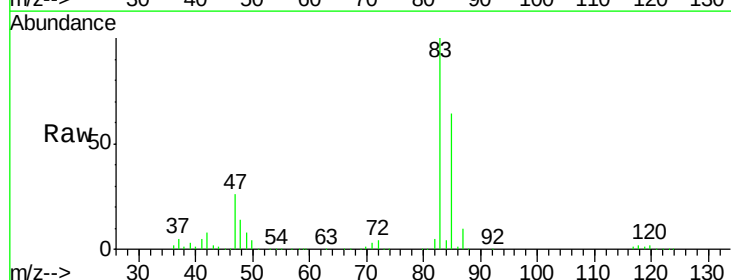
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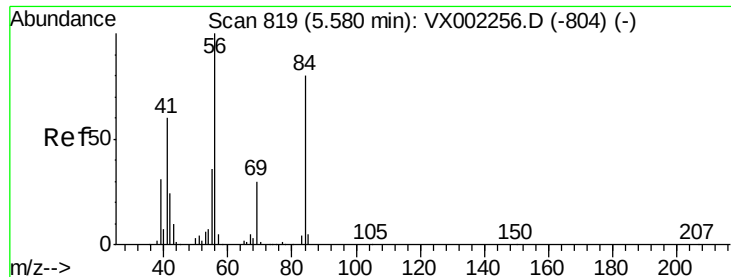
MMDadoda
6/12/2018 4:50:32 PM



#30
Chloroform
Concen: 24.33 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Tgt Ion:	83	Resp:	220009
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.4	75.6





#31

Cyclohexane

Concen: 17.79 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

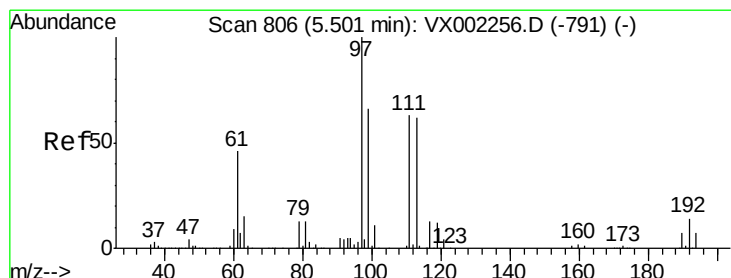
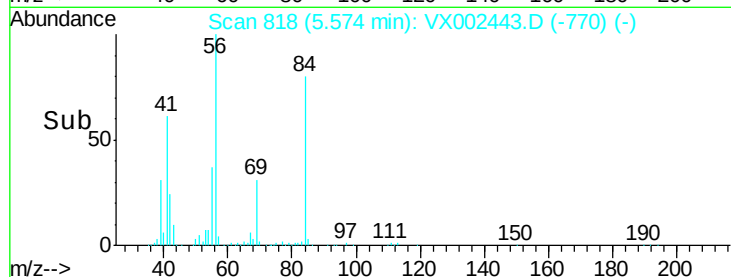
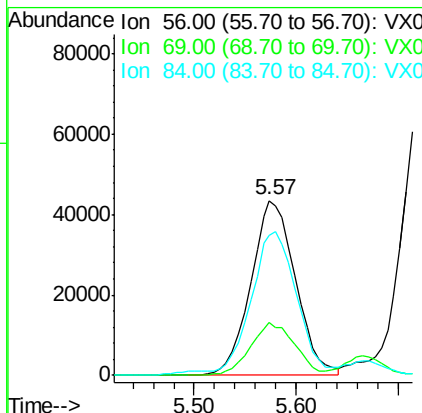
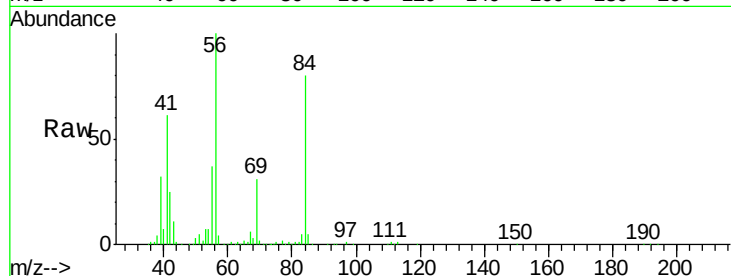
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	131813
Ion Ratio	Lower	Upper	
56	100		
69	30.6	23.7	35.5
84	77.9	64.1	96.1

Manual Integrations
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6/12/2018 4:50:32 PM



#32

1,1,1-Trichloroethane

Concen: 21.92 ug/l

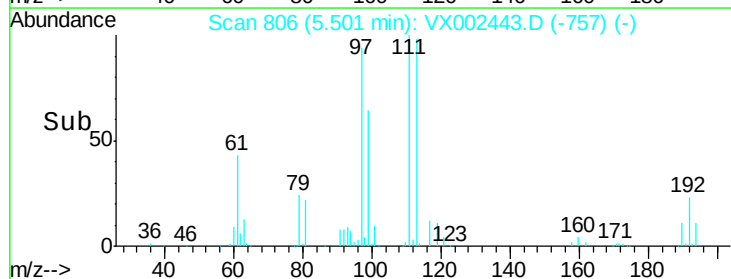
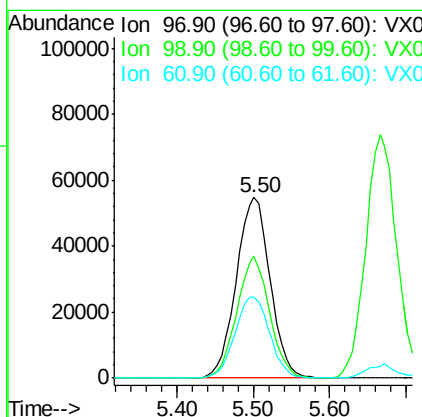
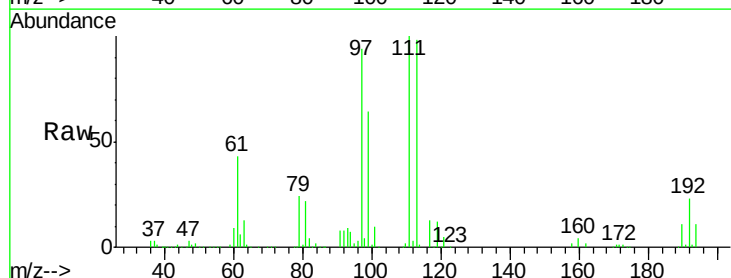
RT: 5.50 min Scan# 806

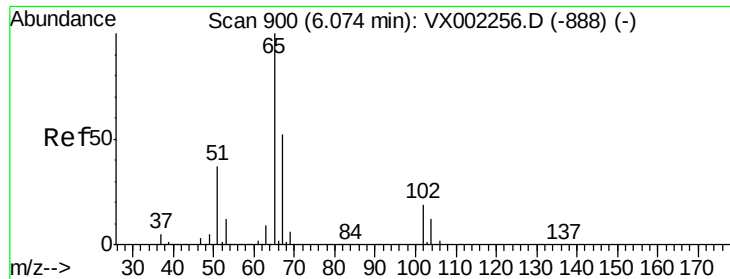
Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Tgt Ion:	97	Resp:	168090
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.6	77.4
61	46.0	36.4	54.6





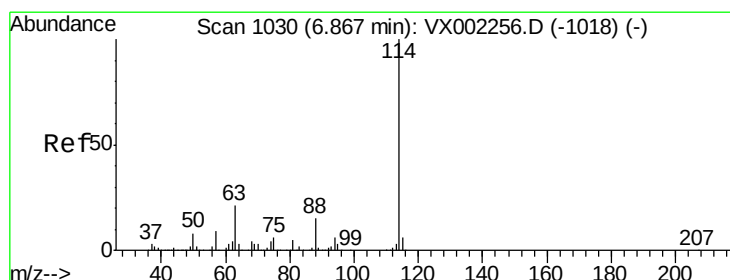
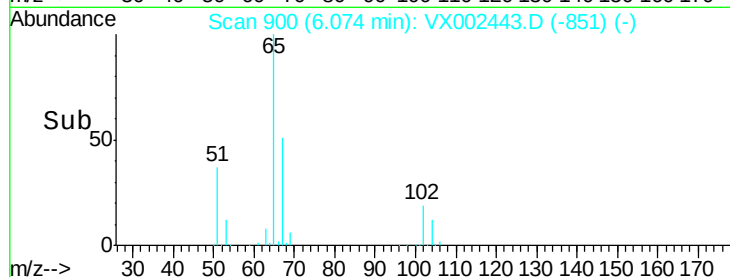
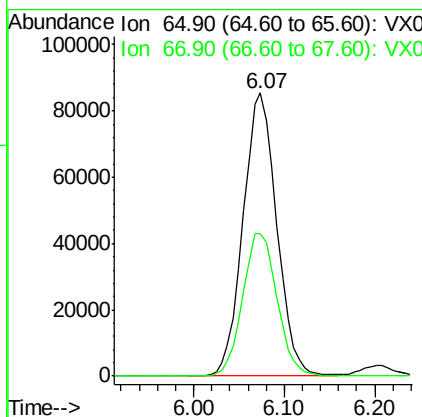
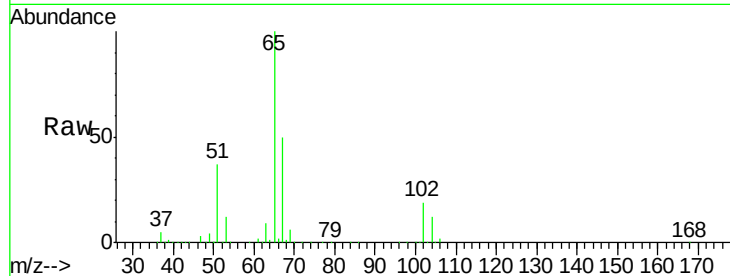
#33
 1,2-Dichloroethane-d4
 Concen: 36.51 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002443.D
 Acq: 11 Jun 2018 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	219721		
67	51.7	0.0	102.6	

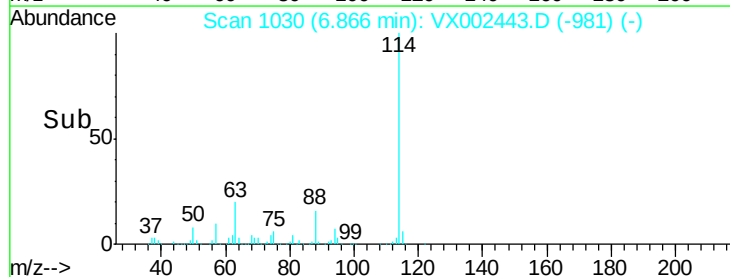
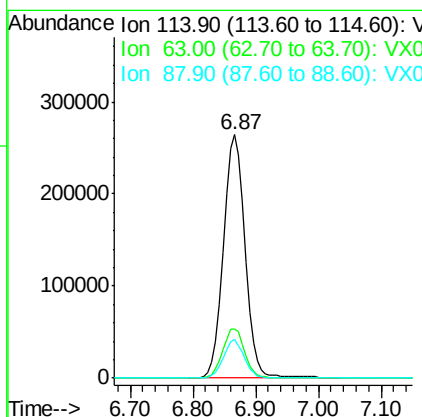
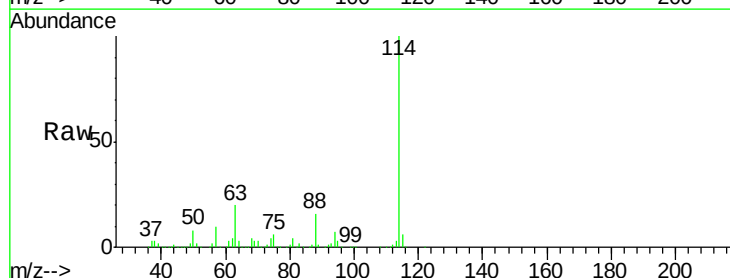
Manual Integrations
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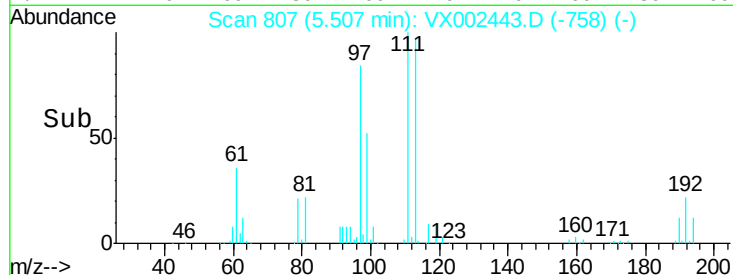
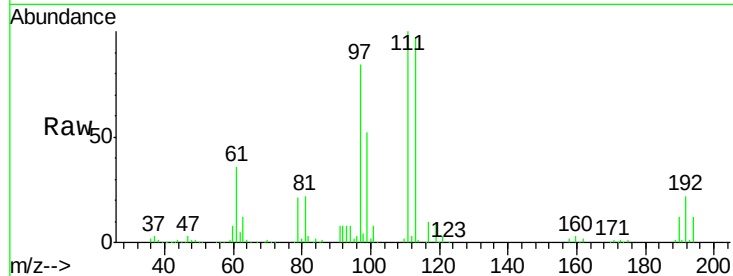
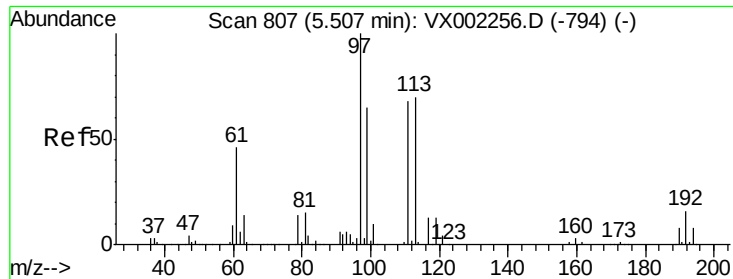
MMDadoda
 6/12/2018 4:50:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002443.D
 Acq: 11 Jun 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	631990		
63	20.3	0.0	41.4	
88	15.7	0.0	30.0	





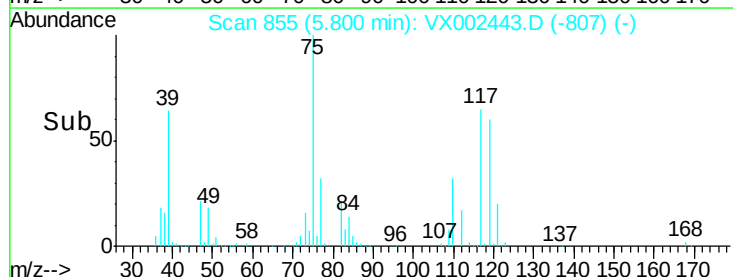
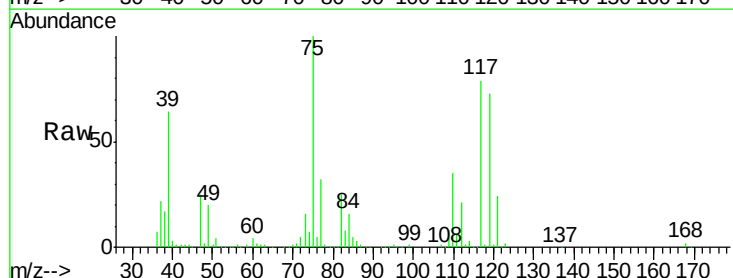
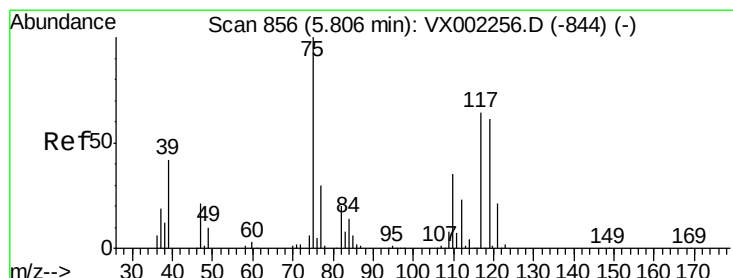
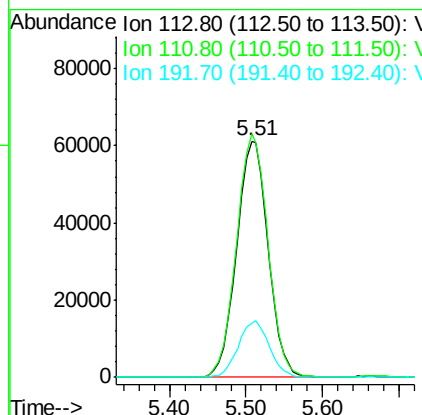
#35
Dibromofluoromethane
Concen: 35.15 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Tot Ion	Ratio	Resp	Lower	Upper
113	100	174691		
111	102.9	81.4	122.0	
192	23.6	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

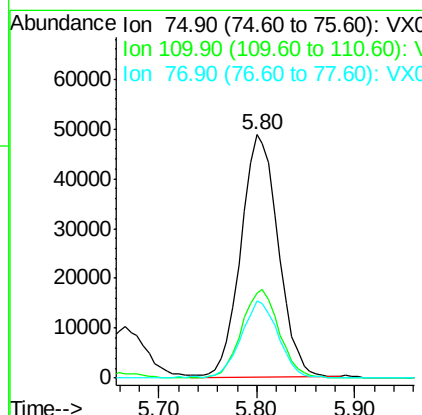
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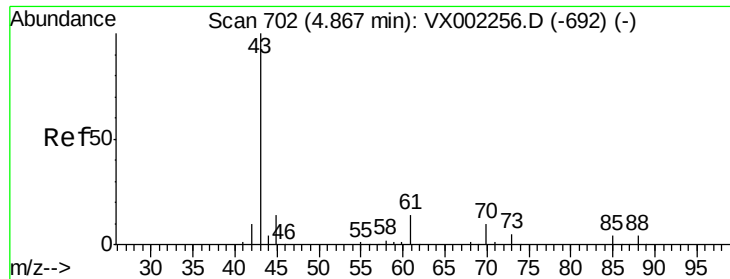
MMDadoda
6/12/2018 4:50:32 PM



#36
1,1-Dichloropropene
Concen: 19.49 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.01 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	129487		
110	36.9	18.1	54.4	
77	32.2	24.3	36.5	





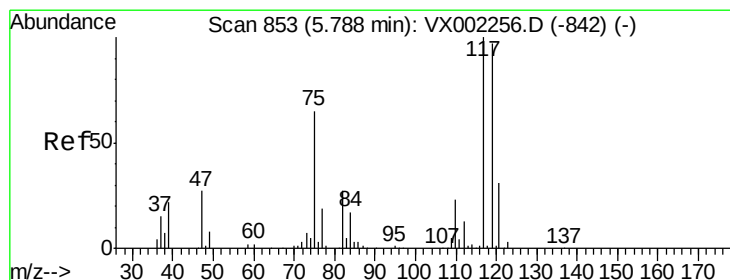
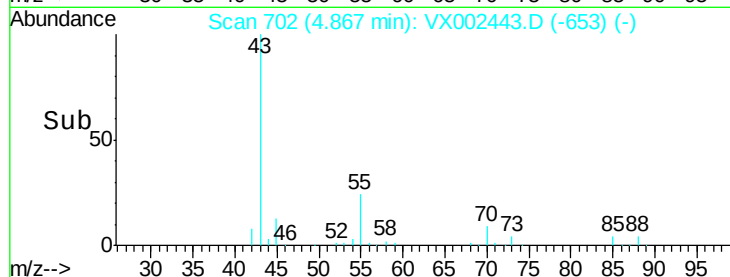
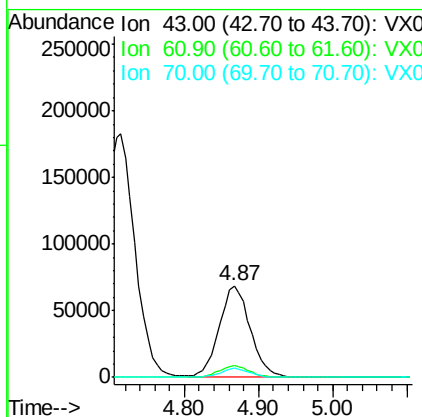
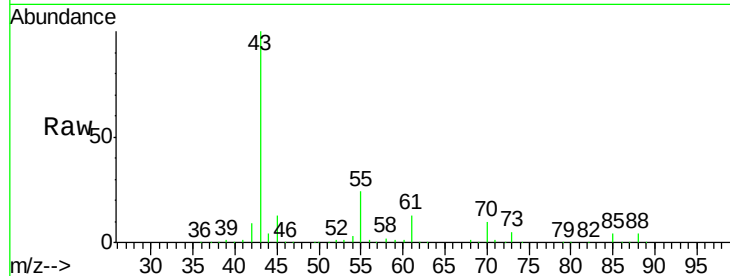
#37
Ethyl Acetate
Concen: 24.84 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.4	15.6
70	9.2	7.6	11.4

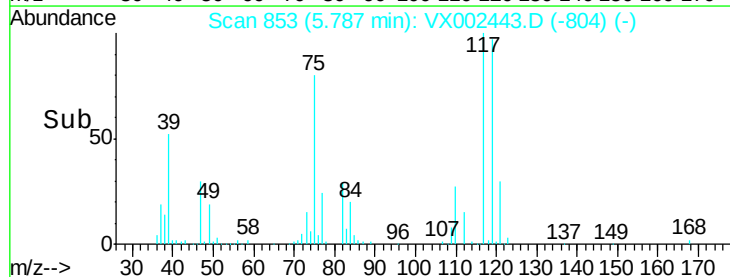
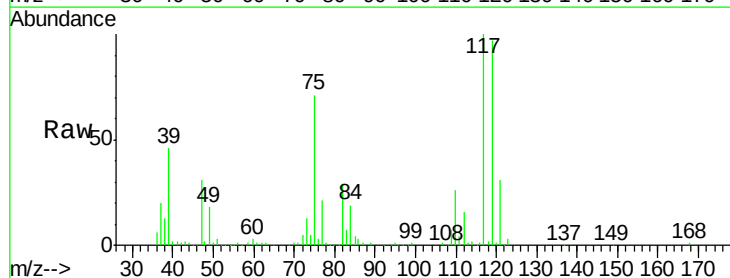
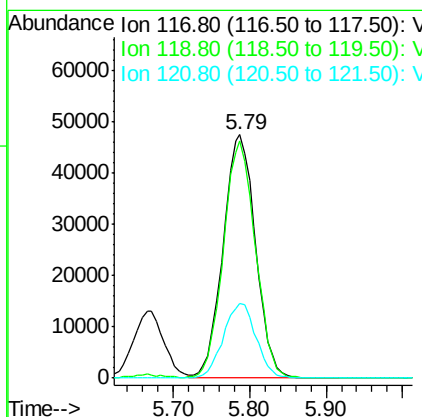
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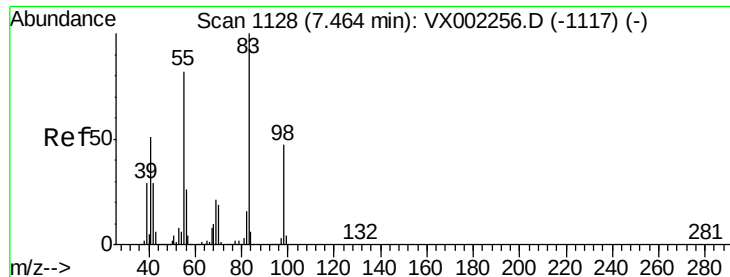
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.99 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.4	116.0
121	30.7	24.4	36.6





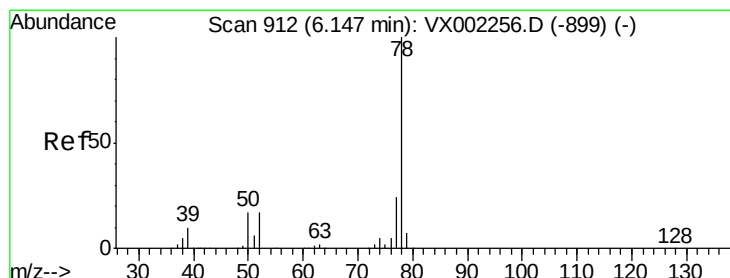
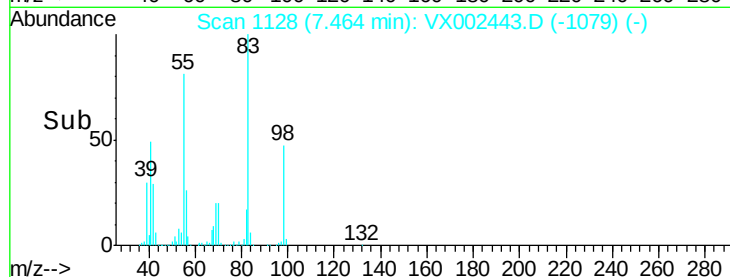
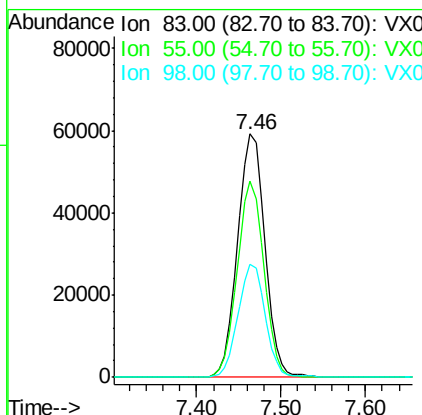
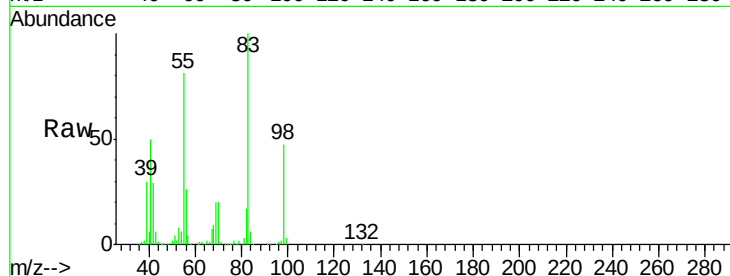
#39
Methylvlcyclohexane
Concen: 15.97 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.5	65.4	98.0	
98	46.6	37.4	56.0	

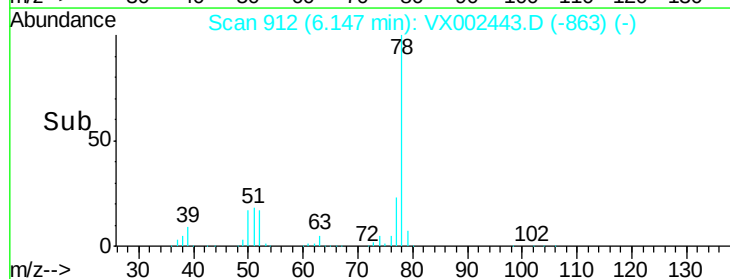
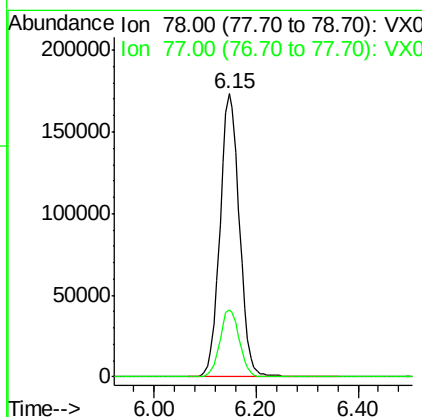
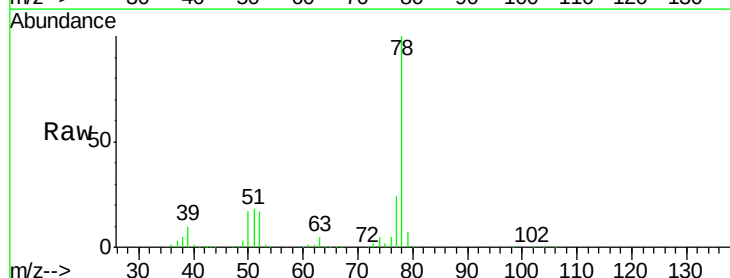
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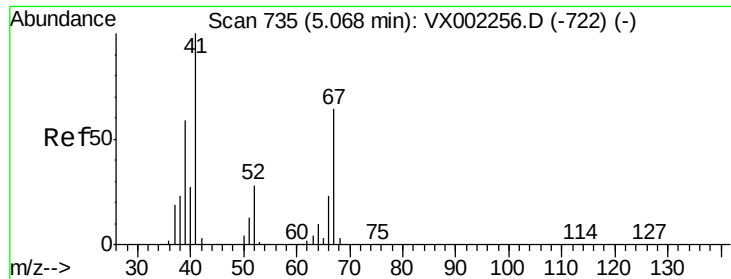
MMDadoda
6/12/2018 4:50:32 PM



#40
Benzene
Concen: 22.51 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	19.1	28.7	





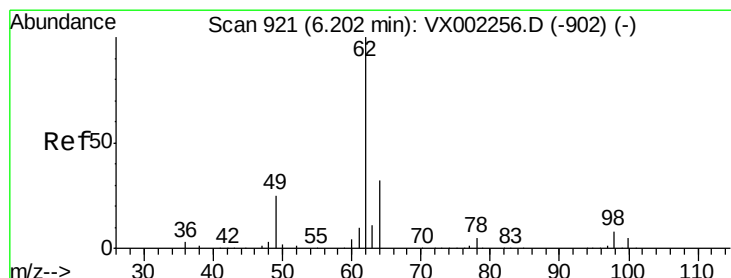
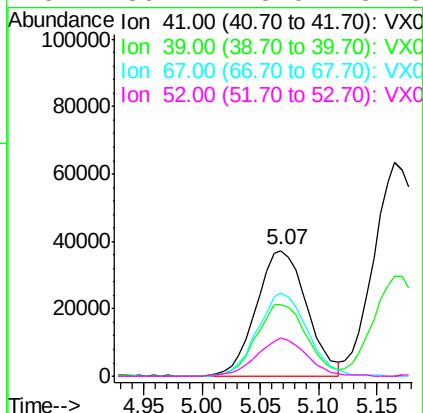
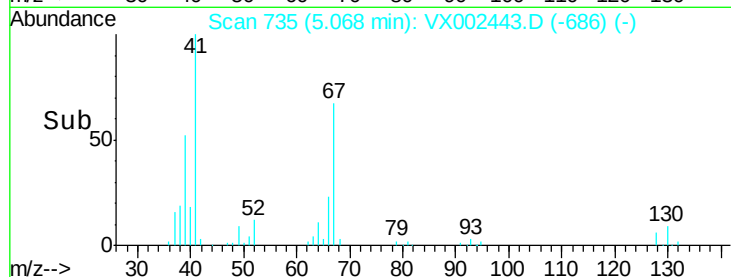
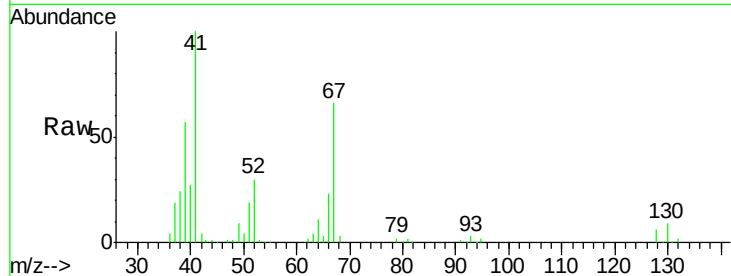
#41
Methacrylonitrile
Concen: 24.40 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.1	45.8	68.6
67	65.9	51.3	76.9
52	30.4	23.0	34.6

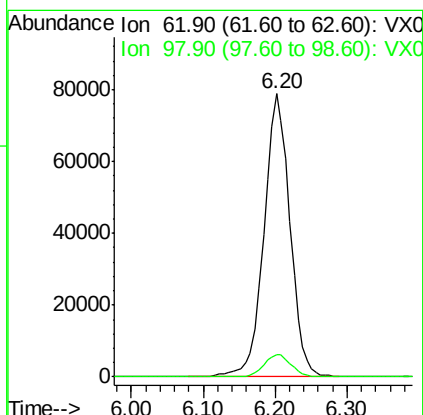
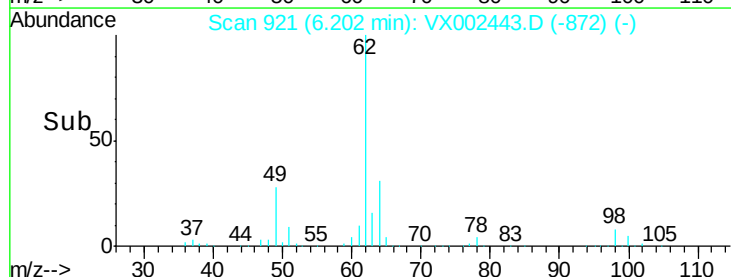
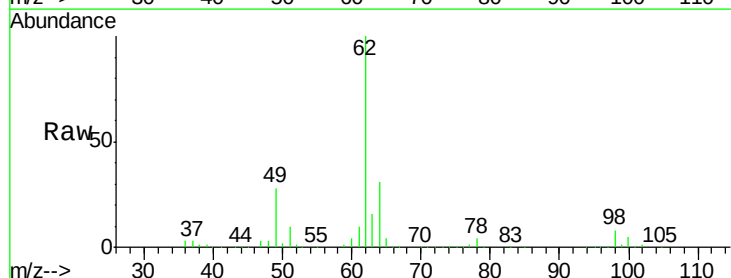
Manual Integrations
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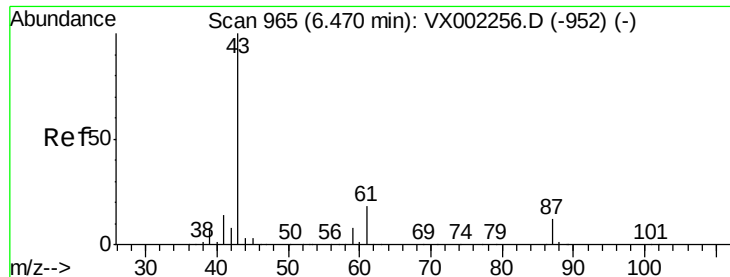
MMDadoda
6/12/2018 4:50:32 PM



#42
1,2-Dichloroethane
Concen: 24.28 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 24.50 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

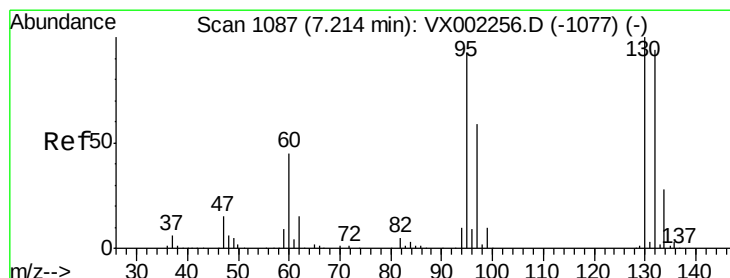
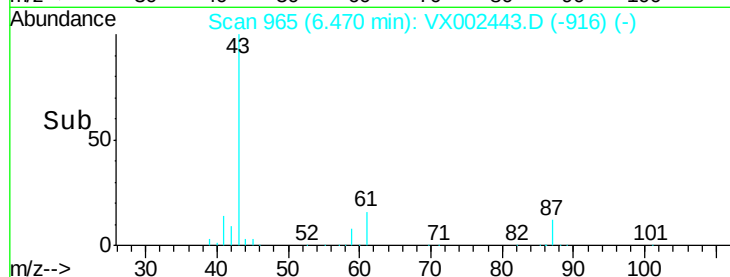
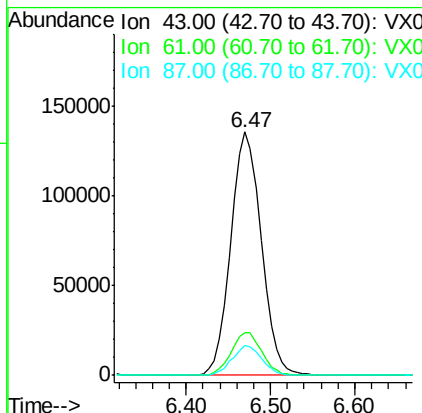
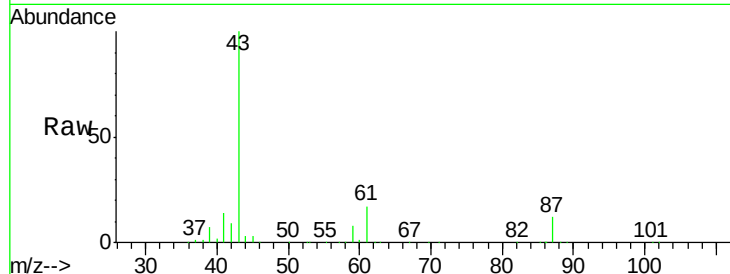
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	332499
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.4	21.6
87	11.9	9.5	14.3

Manual Integrations
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6/12/2018 4:50:32 PM



#44

Trichloroethene

Concen: 21.65 ug/l

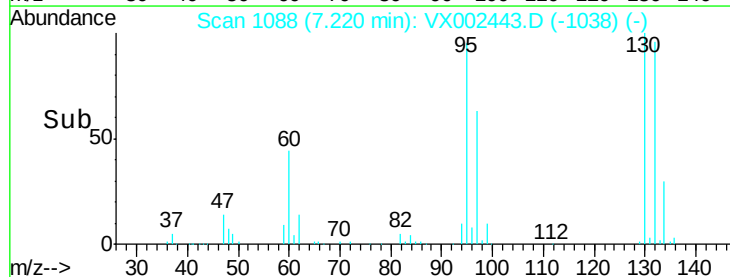
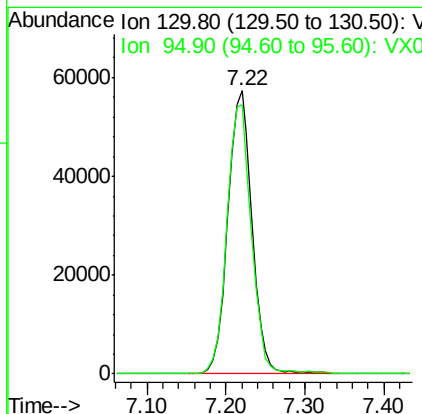
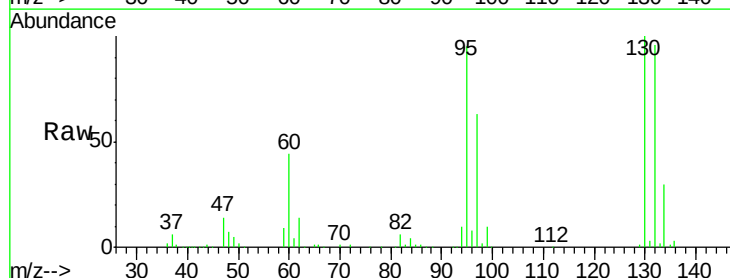
RT: 7.22 min Scan# 1088

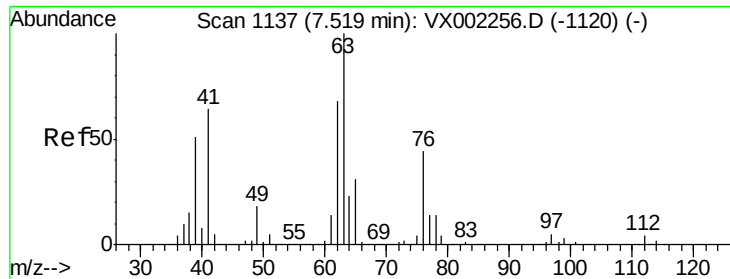
Delta R.T. 0.01 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Tgt Ion:	130	Resp:	122421
Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	185.4





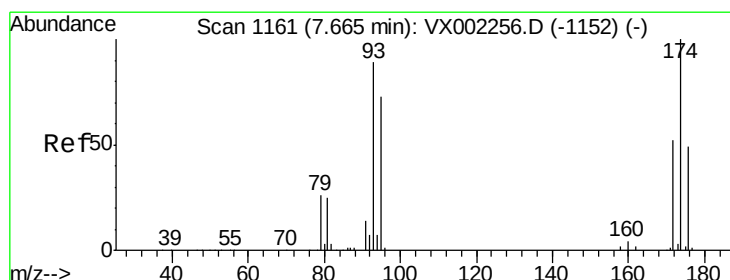
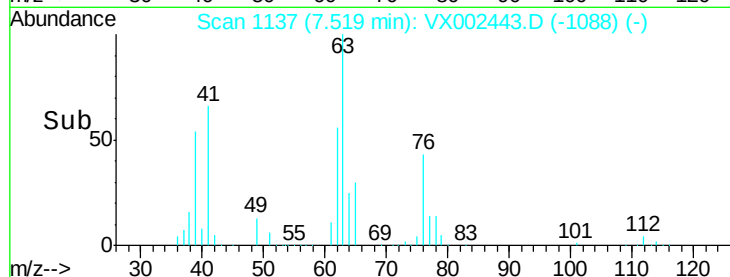
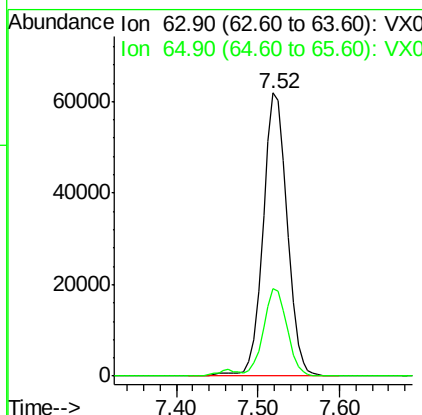
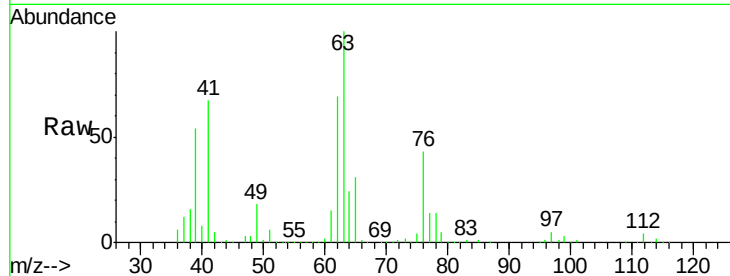
#45
 1,2-Dichloropropane
 Concen: 23.24 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002443.D
 Acq: 11 Jun 2018 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 127823
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

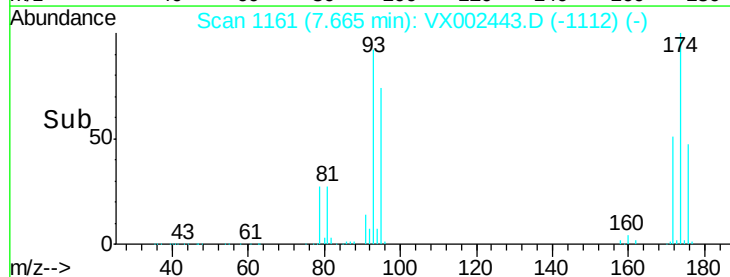
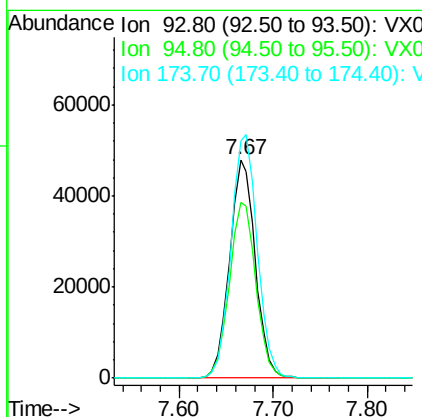
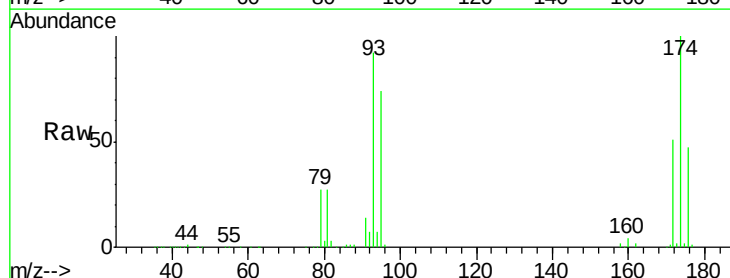
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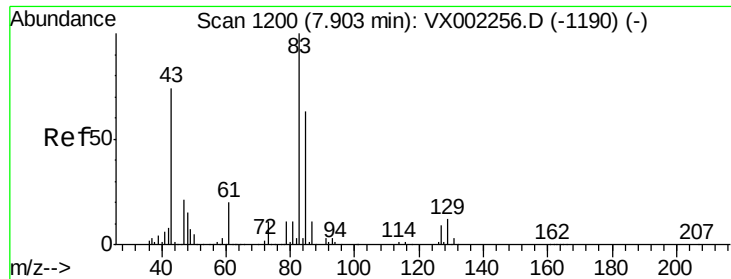
MMDadoda
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#46
 Dibromomethane
 Concen: 24.34 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002443.D
 Acq: 11 Jun 2018 15:22

Tgt Ion: 93 Resp: 90749
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.9 98.9
 174 114.1 92.4 138.6





#47

Bromodichloromethane

Concen: 24.36 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

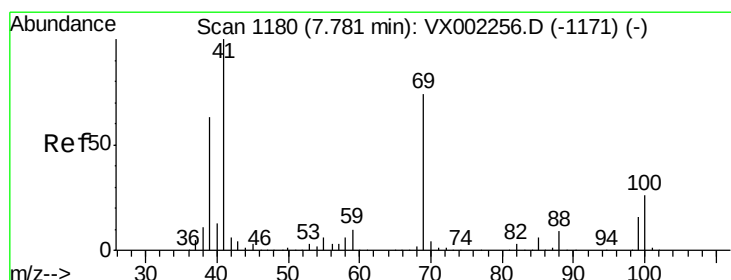
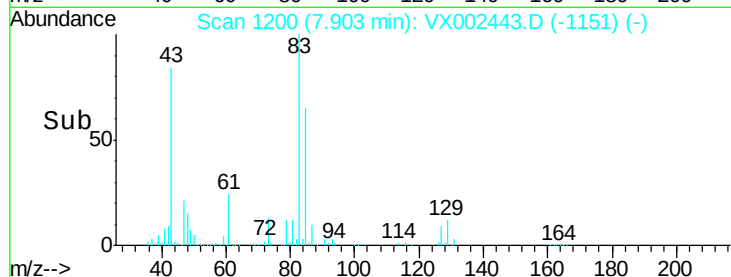
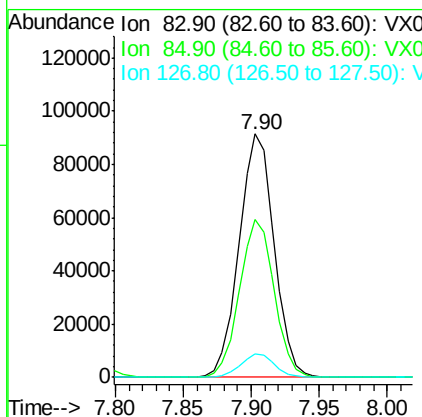
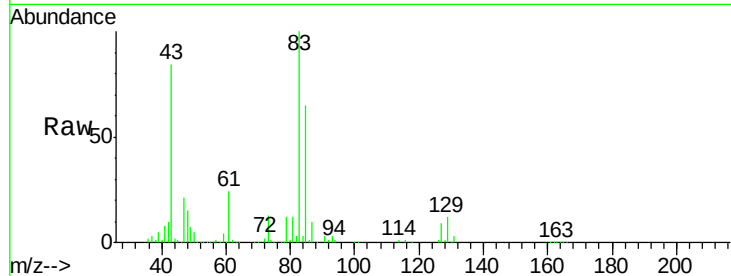
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	164284
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.3	75.5
127	9.4	7.0	10.4

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#48

Methyl methacrylate

Concen: 24.76 ug/l

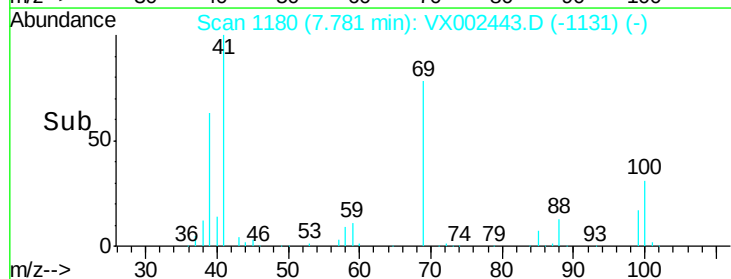
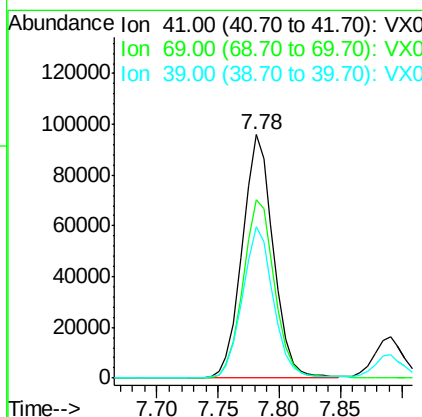
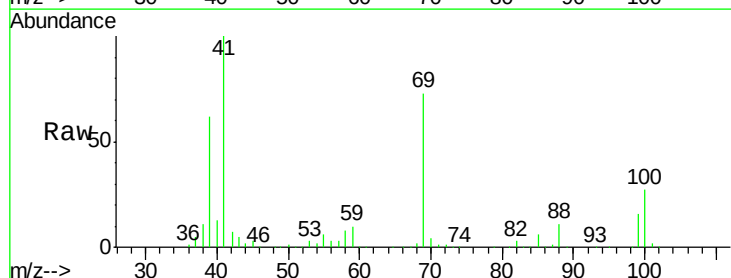
RT: 7.78 min Scan# 1180

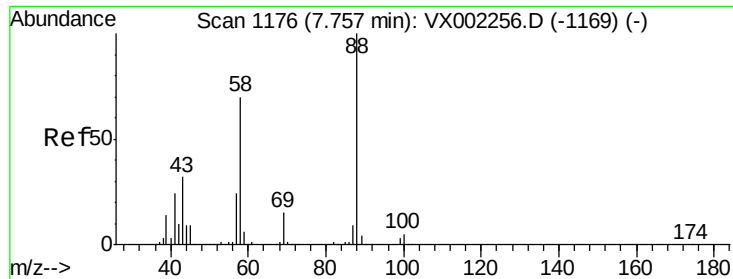
Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Tgt Ion:	41	Resp:	168809
Ion	Ratio	Lower	Upper
41	100		
69	74.8	59.1	88.7
39	61.8	48.9	73.3





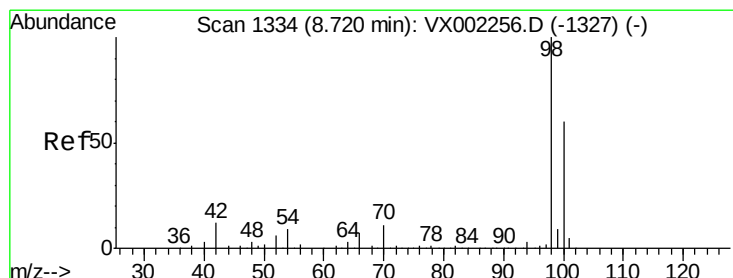
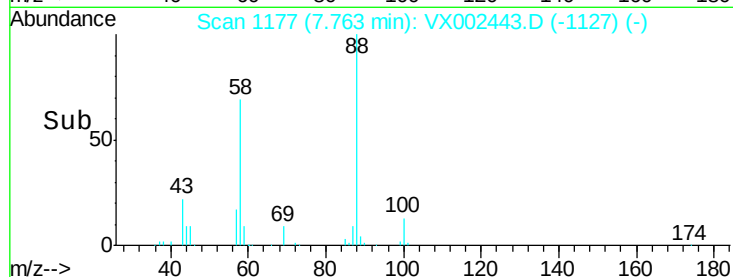
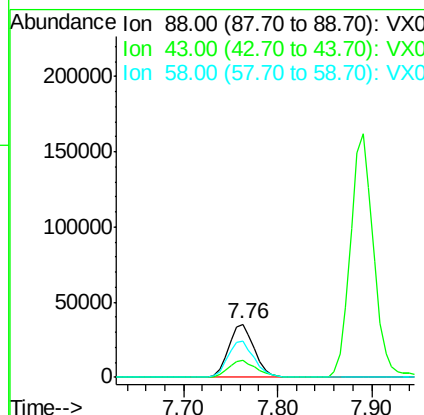
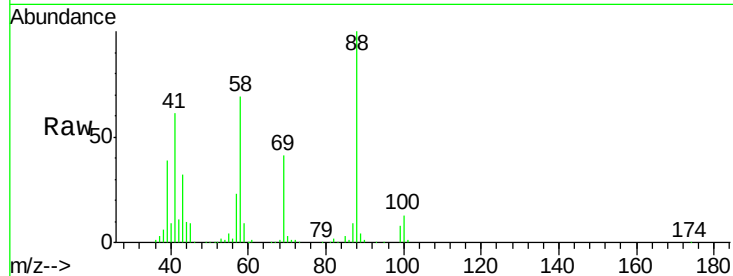
#49
1,4-Dioxane
Concen: 522.76 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	29.8	44.6
58	71.1	57.1	85.7

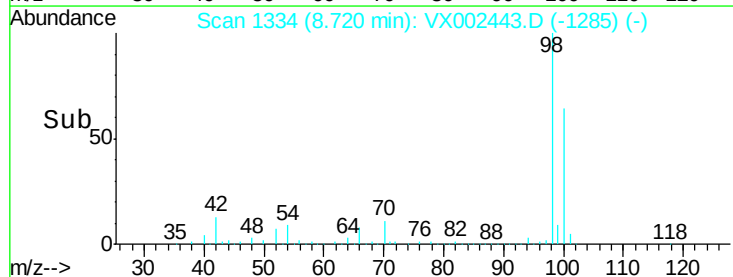
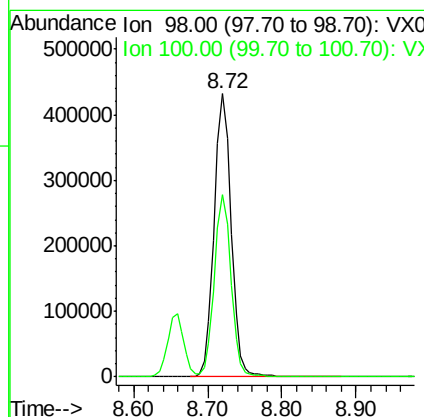
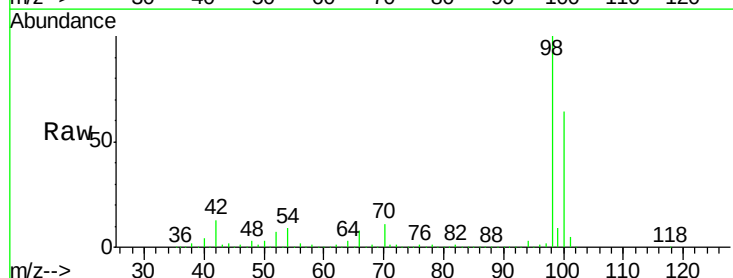
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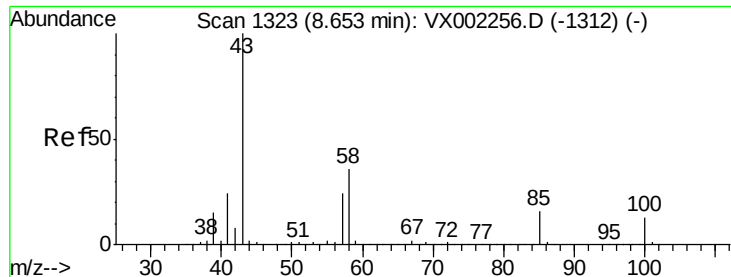
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6/12/2018 4:50:32 PM



#50
Toluene-d8
Concen: 35.73 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 128.43 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1085388

Ion Ratio Lower Upper

43 100

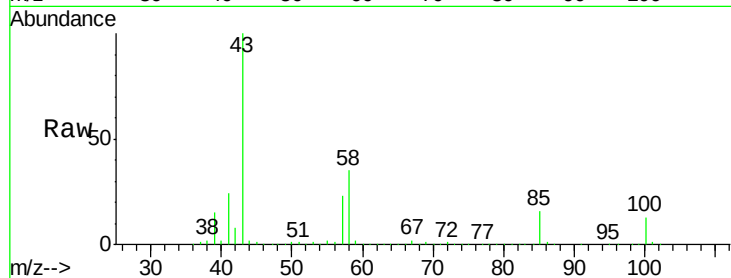
58 35.4 28.6 42.8

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

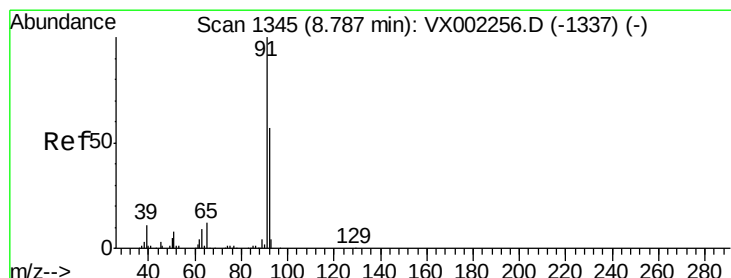
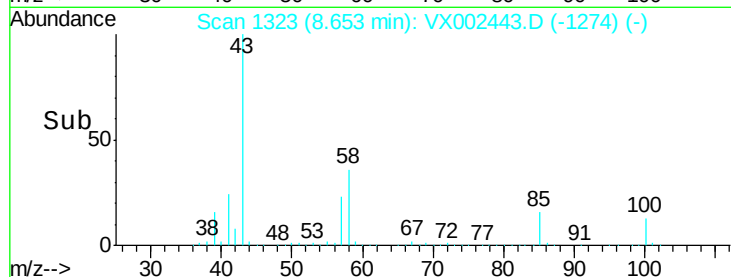
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 22.79 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002443.D

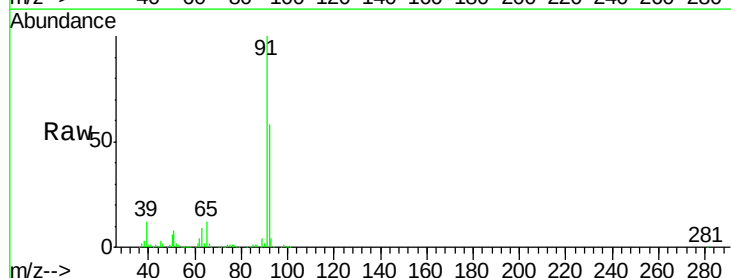
Acq: 11 Jun 2018 15:22

Tgt Ion: 92 Resp: 295344

Ion Ratio Lower Upper

92 100

91 175.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

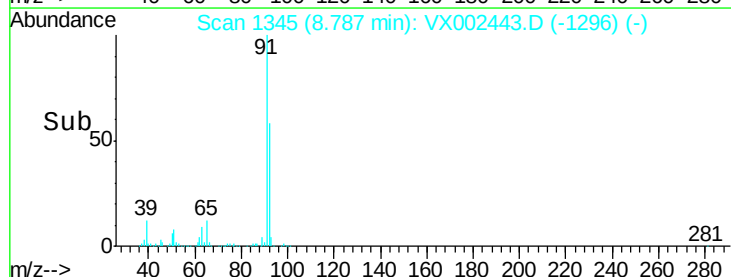
300000

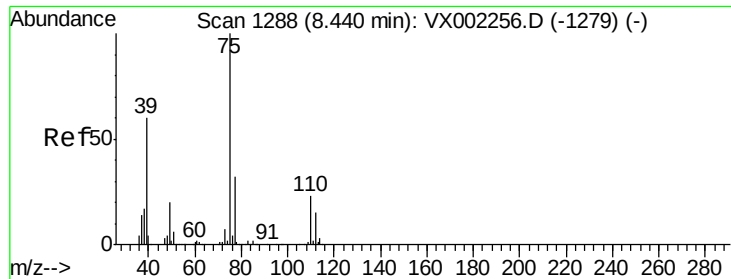
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 24.59 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 198843

Ion Ratio Lower Upper

75 100

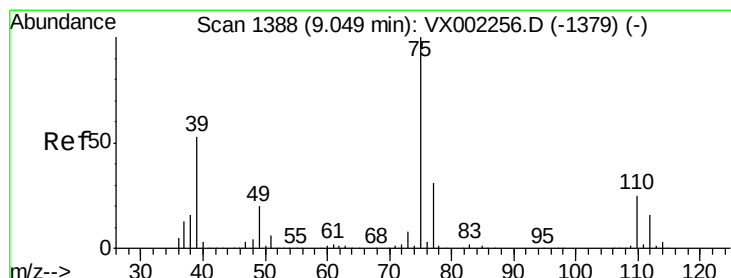
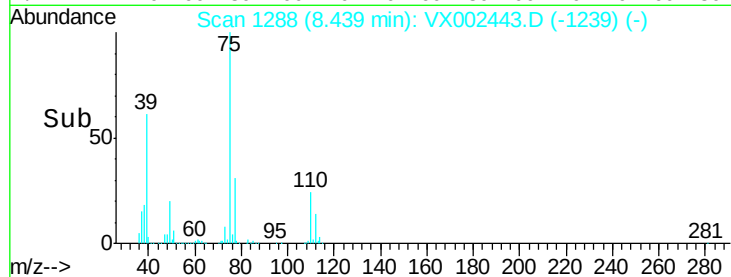
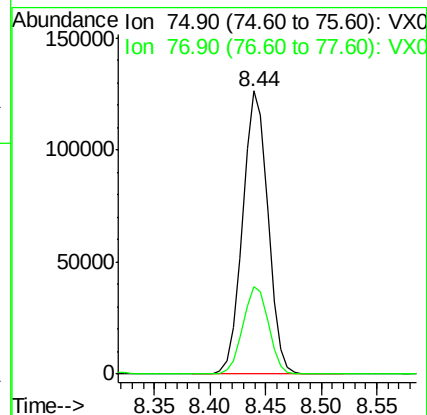
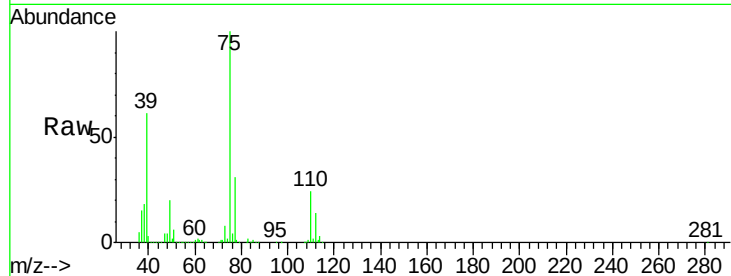
77 31.0 25.4 38.2

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6/12/2018 4:50:32 PM



#54

cis-1,3-Dichloropropene

Concen: 24.99 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

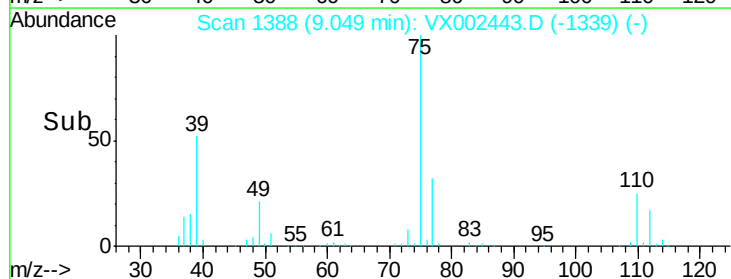
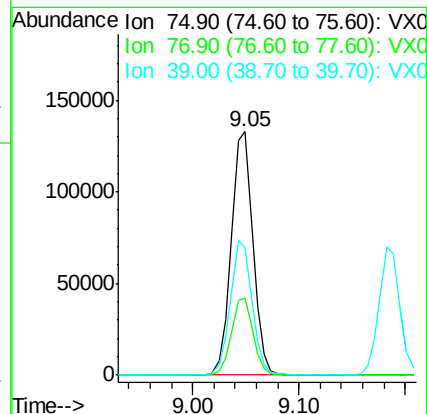
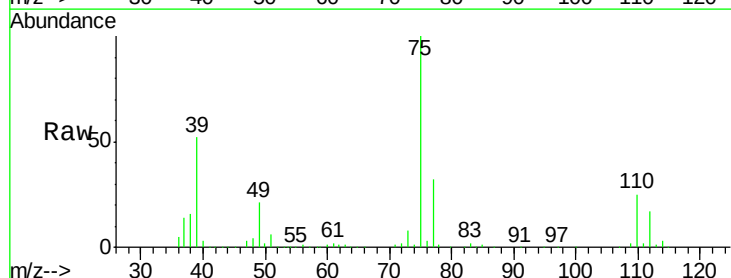
Tgt Ion: 75 Resp: 190663

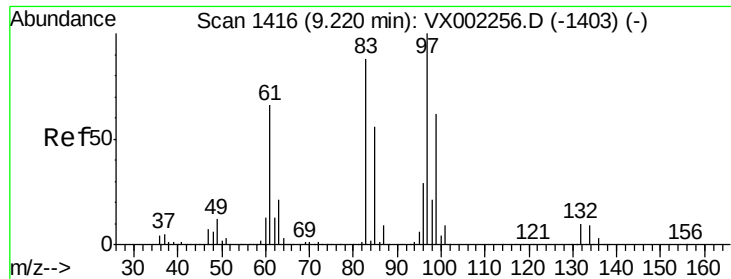
Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2

39 52.0 42.4 63.6





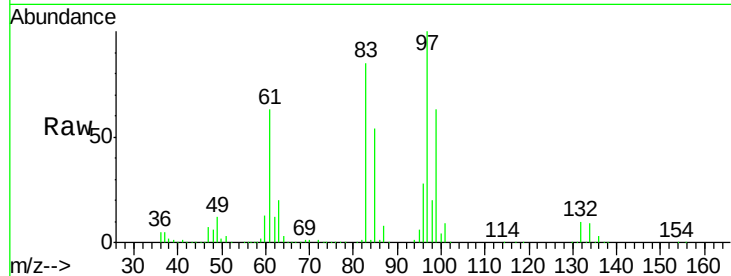
#55
 1,1,2-Trichloroethane
 Concen: 25.50 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002443.D
 Acq: 11 Jun 2018 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

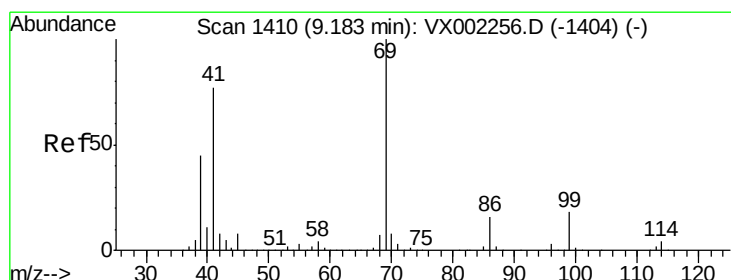
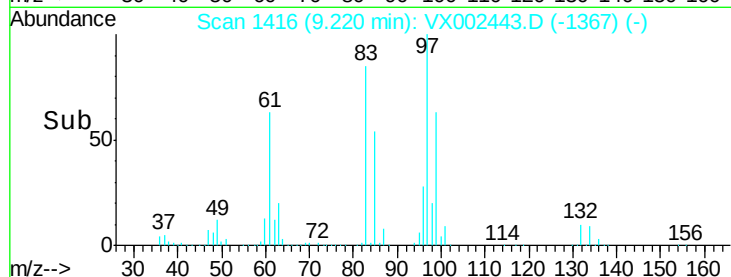
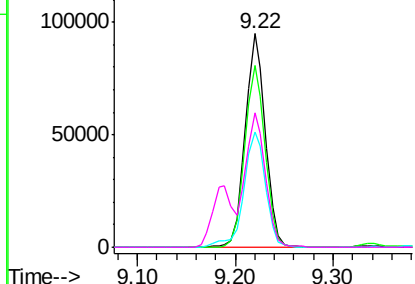
Tot Ion:	97	Resp:	135883
Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.2	105.2
85	54.1	44.9	67.3
99	62.8	49.8	74.8

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 6/12/2018 4:50:32 PM

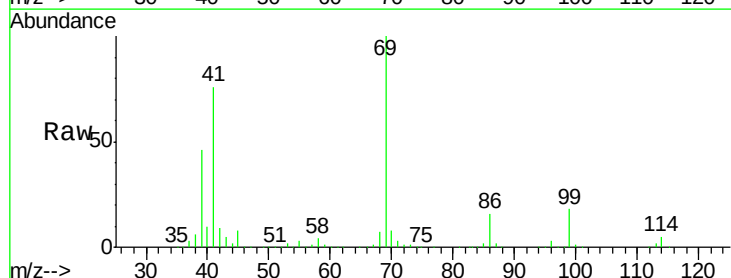


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

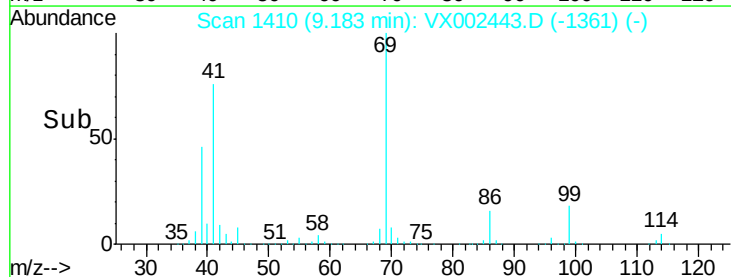
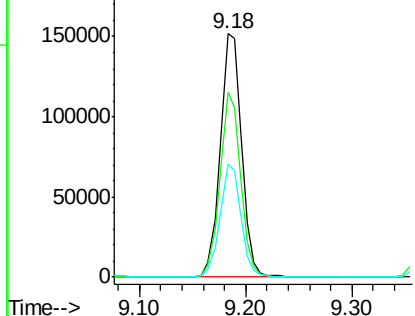


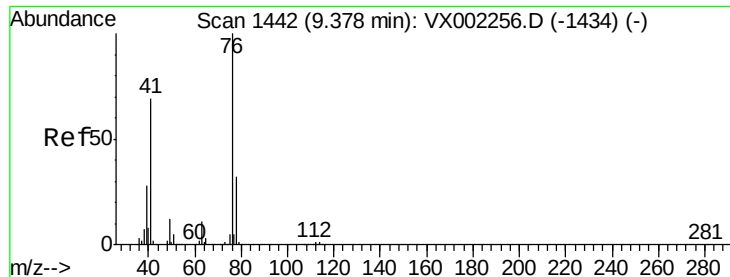
#56
 Ethyl methacrylate
 Concen: 25.01 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002443.D
 Acq: 11 Jun 2018 15:22

Tgt Ion:	69	Resp:	212797
Ion	Ratio	Lower	Upper
69	100		
41	73.2	60.3	90.5
39	45.4	35.8	53.8



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





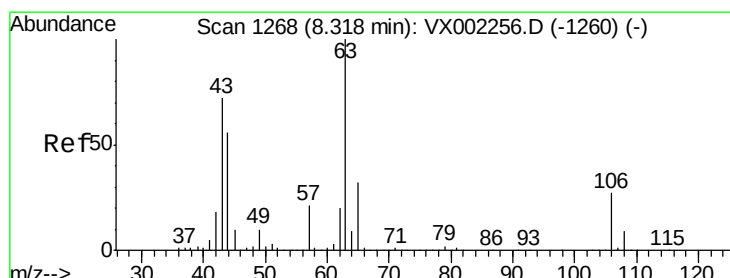
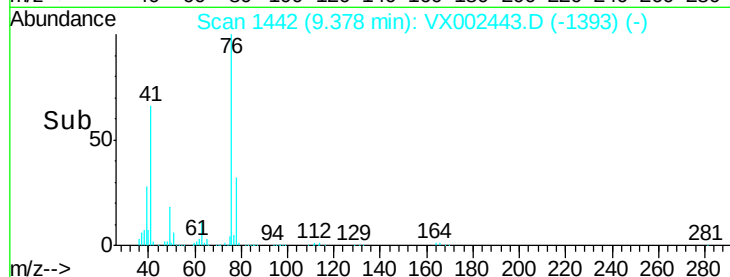
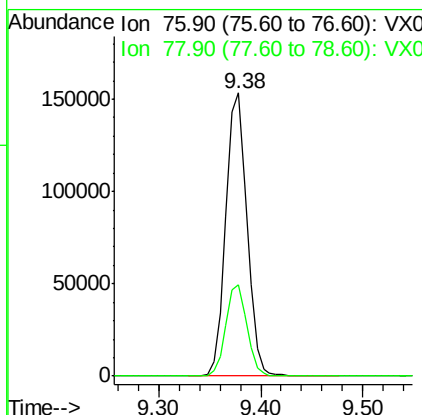
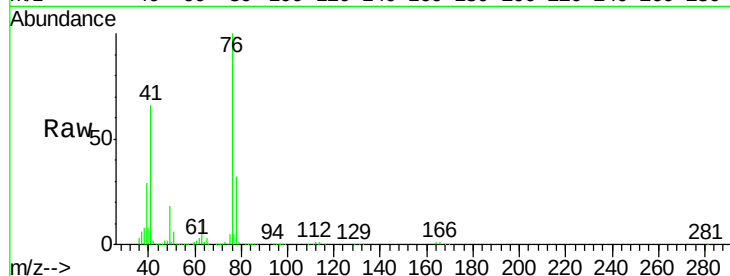
#57
 1,3-Dichloropropane
 Concen: 24.69 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002443.D
 Acq: 11 Jun 2018 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

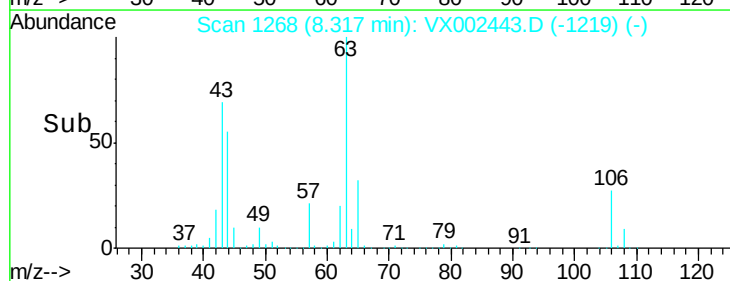
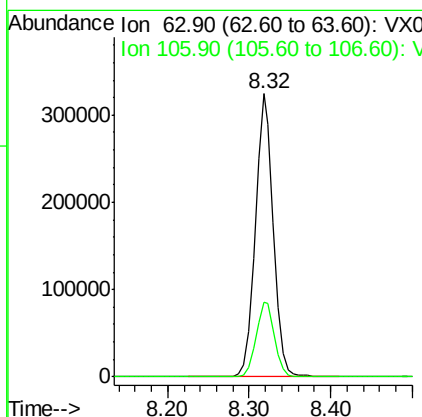
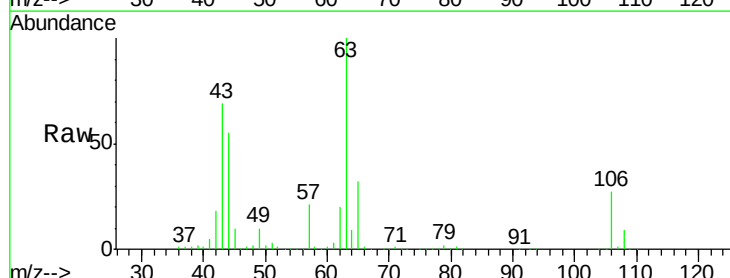
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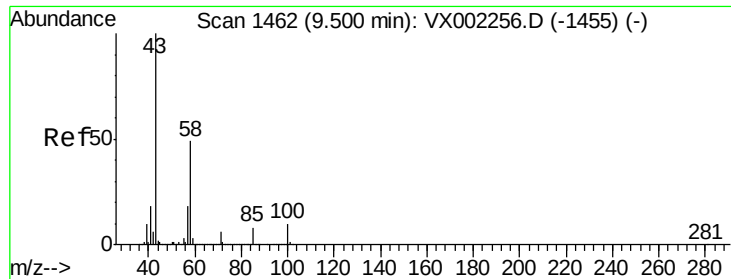
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#58
 2-Chloroethyl Vinyl ether
 Concen: 127.40 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX002443.D
 Acq: 11 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.8	32.8





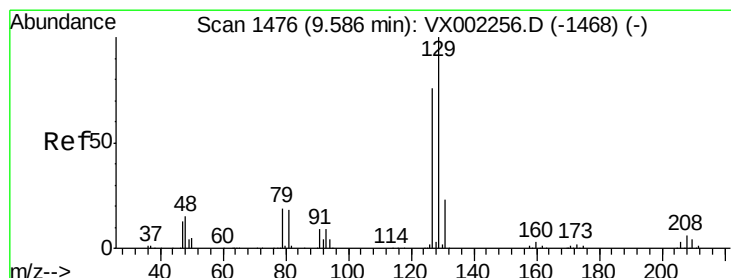
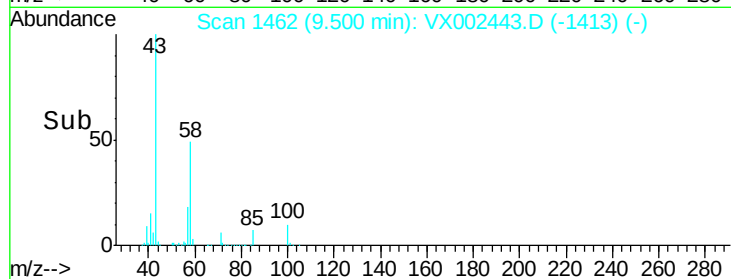
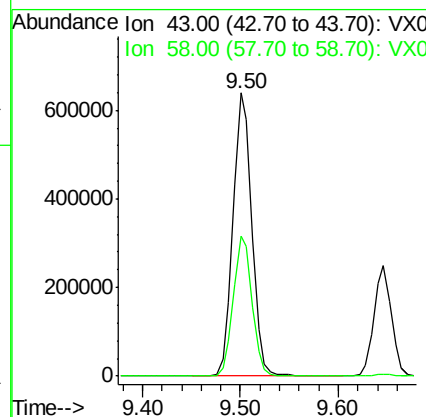
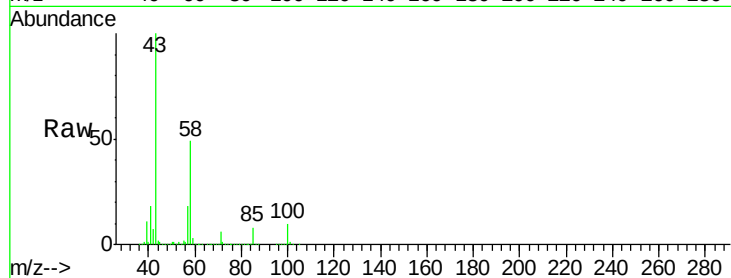
#59
2-Hexanone
Concen: 130.43 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 851445
Ion Ratio Lower Upper
43 100
58 49.6 24.6 73.6

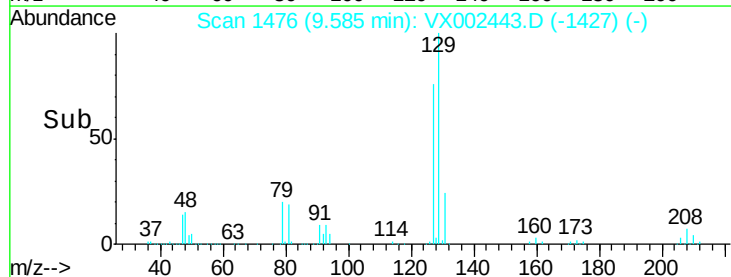
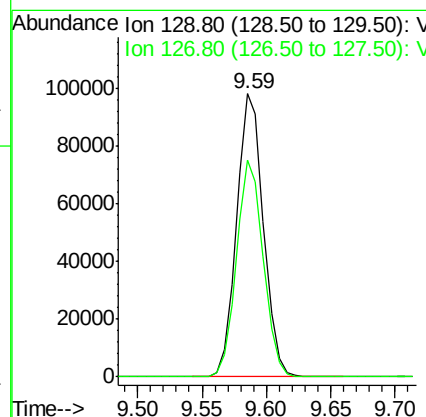
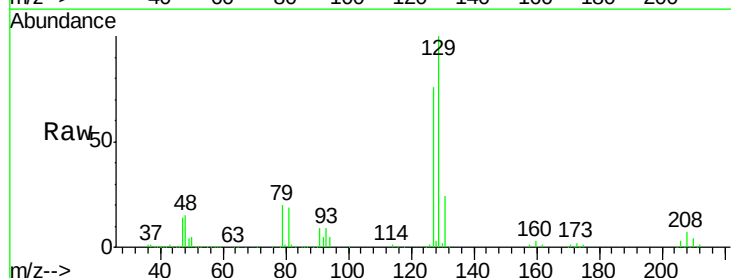
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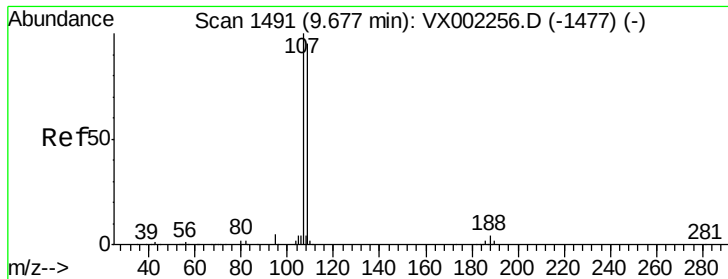
MMDadoda
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#60
Dibromochloromethane
Concen: 26.51 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Tgt Ion: 129 Resp: 142078
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 25.24 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 140232

Ion Ratio Lower Upper

107 100

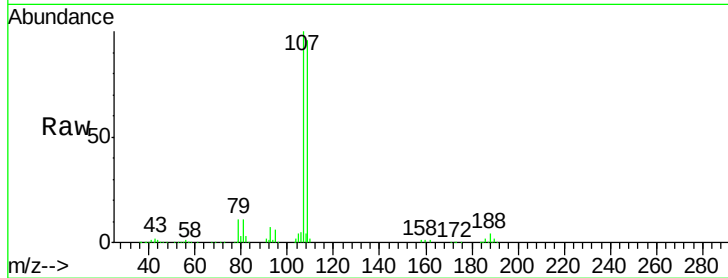
109 95.5 75.3 112.9

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

120000

100000

80000

60000

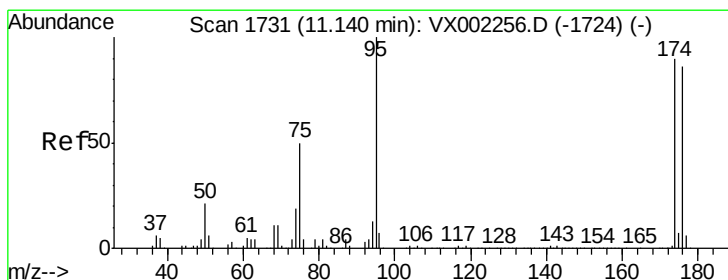
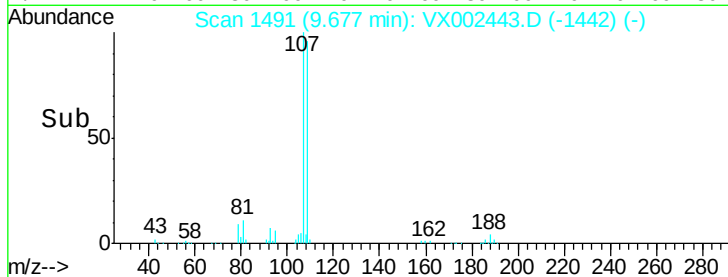
40000

20000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 36.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

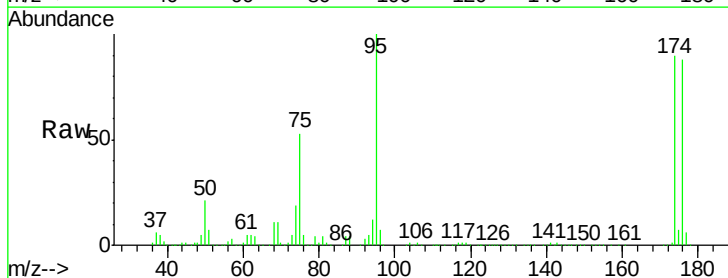
Tgt Ion: 95 Resp: 266306

Ion Ratio Lower Upper

95 100

174 94.2 0.0 187.4

176 92.5 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

150000

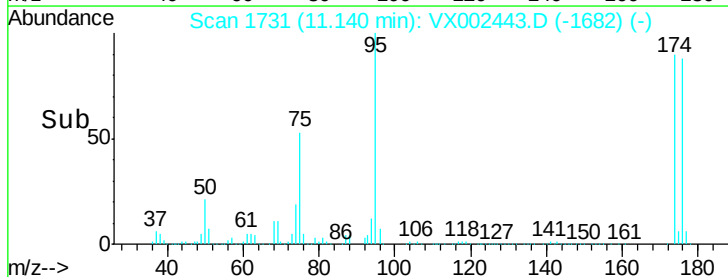
100000

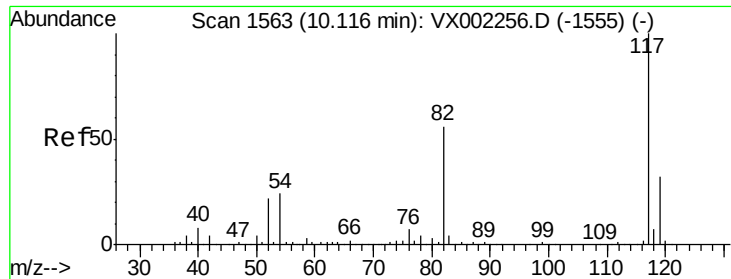
50000

0

11.10 11.20

Time-->





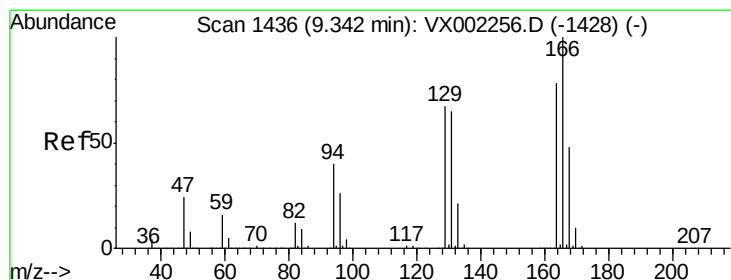
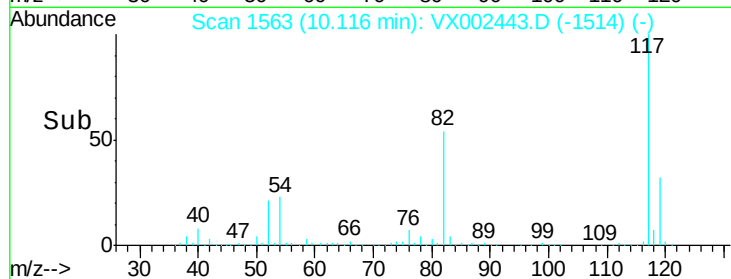
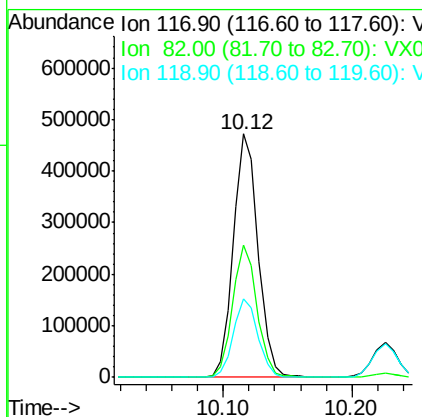
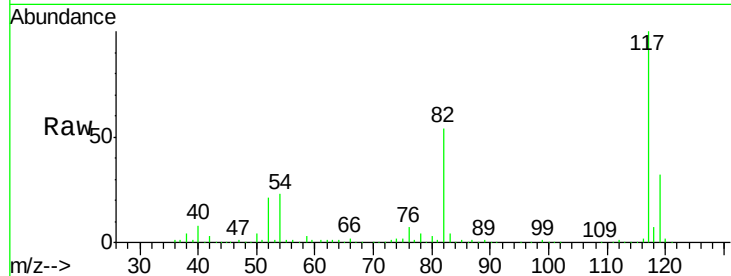
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	45.0	67.4
119	32.1	25.8	38.6

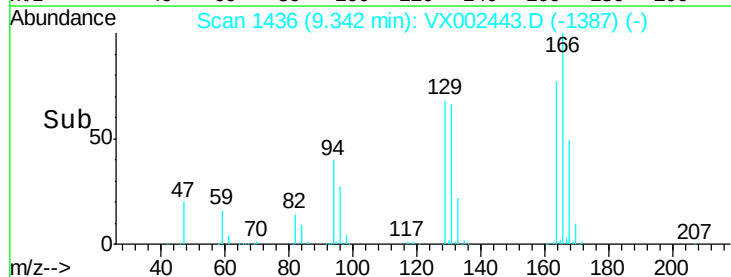
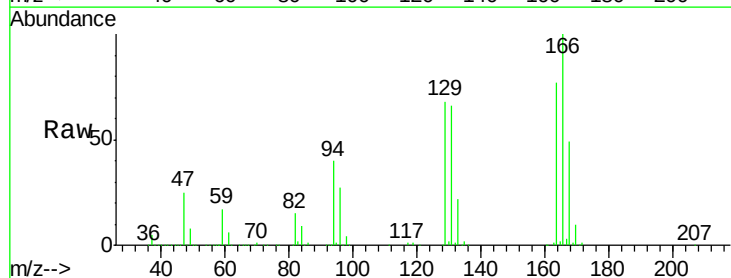
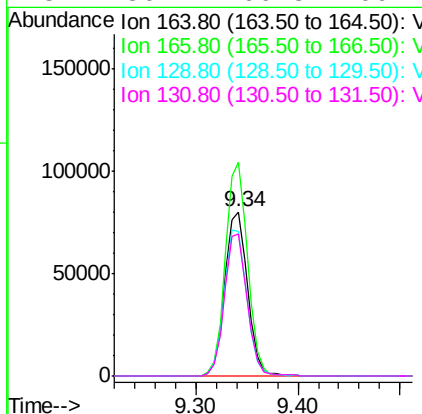
Manual Integrations
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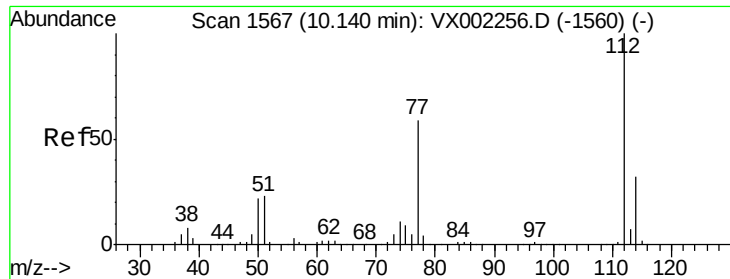
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6/12/2018 4:50:32 PM



#64
Tetrachloroethene
Concen: 18.90 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	102.9	154.3
129	88.2	68.6	102.8
131	86.4	66.8	100.2





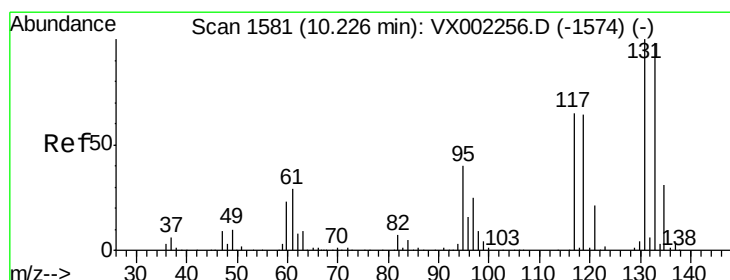
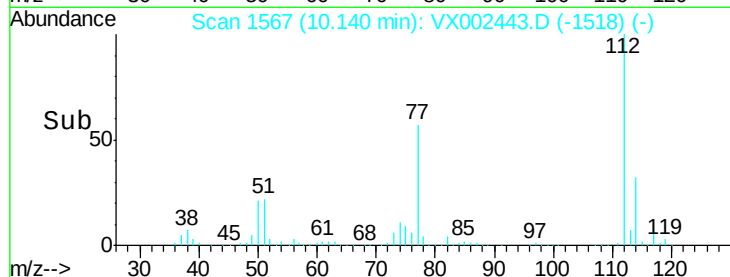
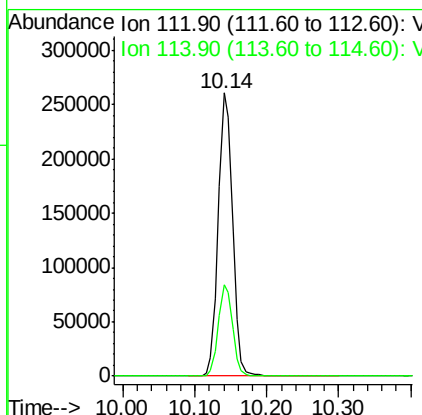
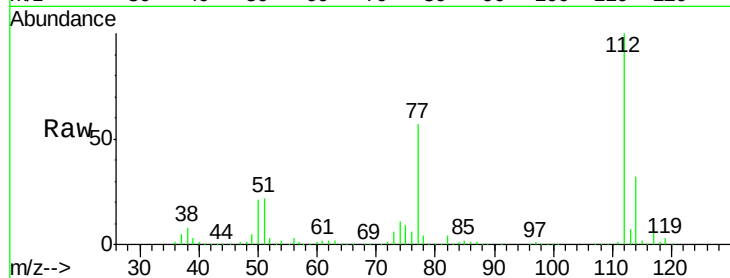
#65
Chlorobenzene
Concen: 22.74 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 357878
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

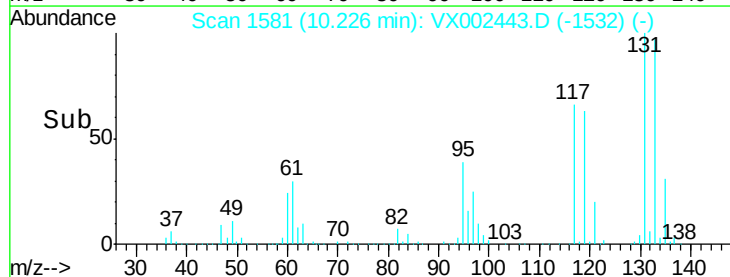
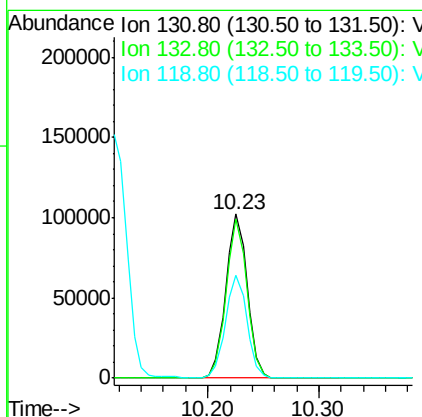
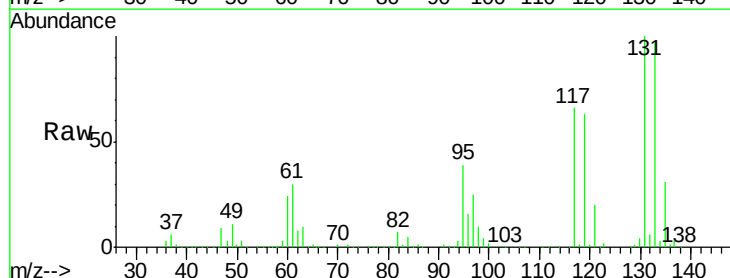
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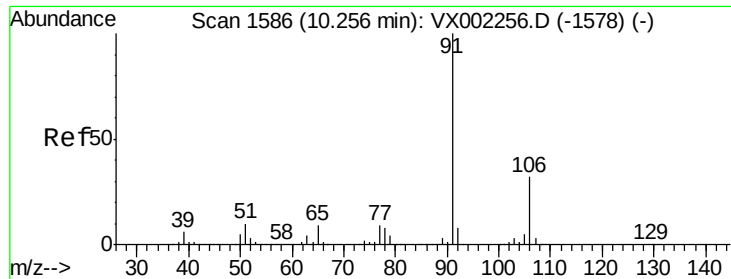
MMDadoda
6/12/2018 4:50:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 23.92 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Tgt Ion:131 Resp: 136271
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.6
119 63.0 31.8 95.3





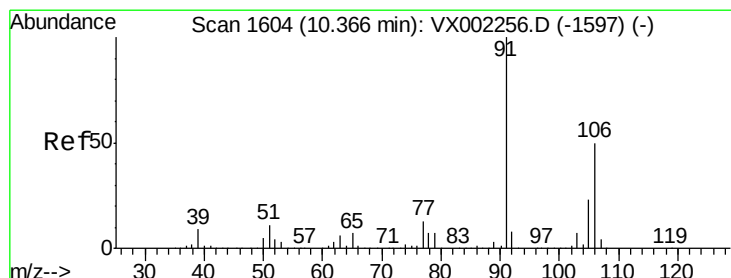
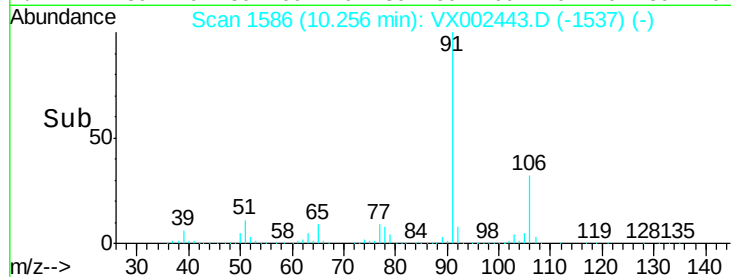
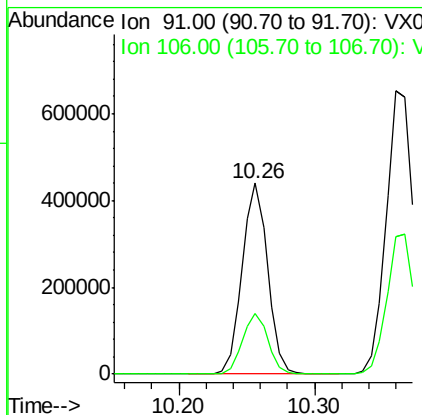
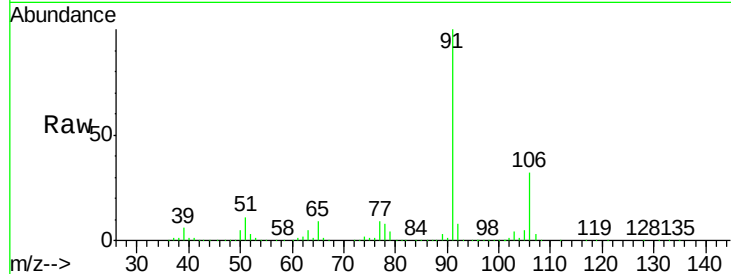
#67
Ethyl Benzene
Concen: 21.91 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 576979
Ion Ratio Lower Upper
91 100
106 31.8 25.5 38.3

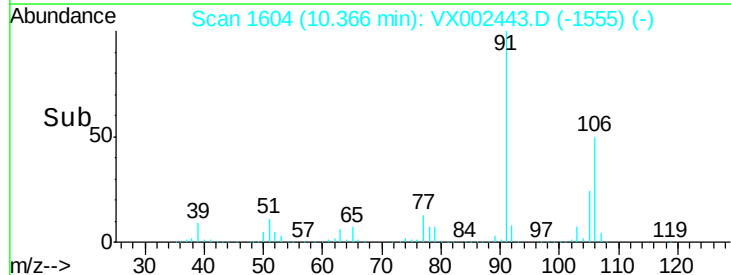
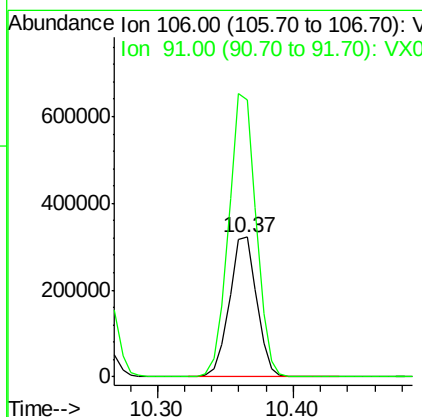
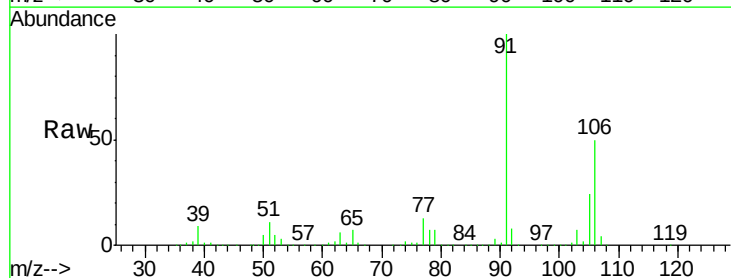
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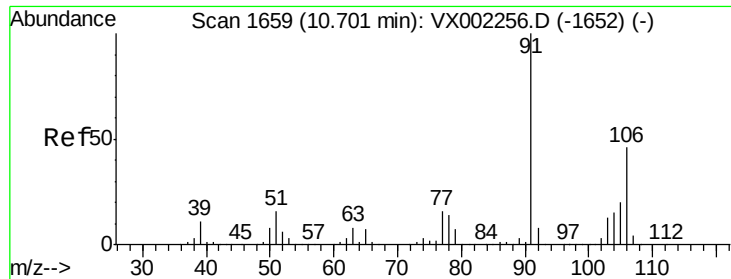
MMDadoda
6/12/2018 4:50:32 PM



#68
m/p-Xylenes
Concen: 43.83 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Tgt Ion: 106 Resp: 448664
Ion Ratio Lower Upper
106 100
91 204.0 163.4 245.2





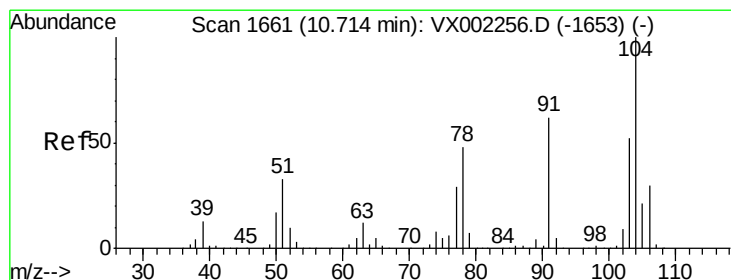
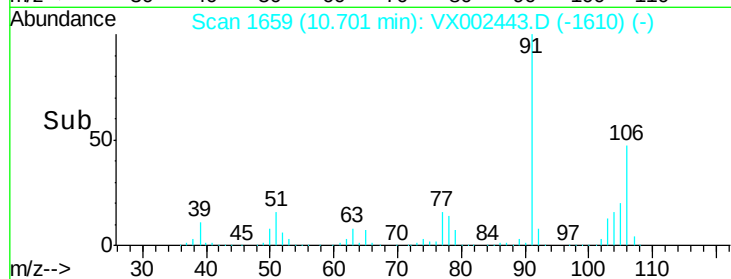
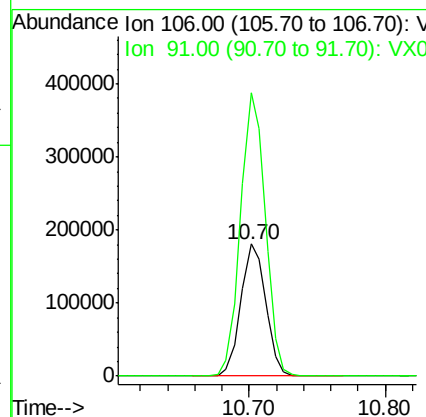
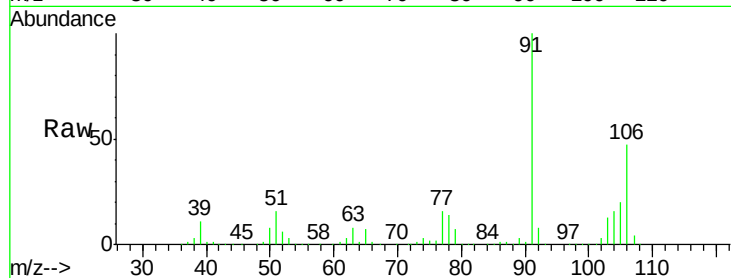
#69
o-Xylene
Concen: 22.64 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 230656
Ion Ratio Lower Upper
106 100
91 214.4 108.2 324.6

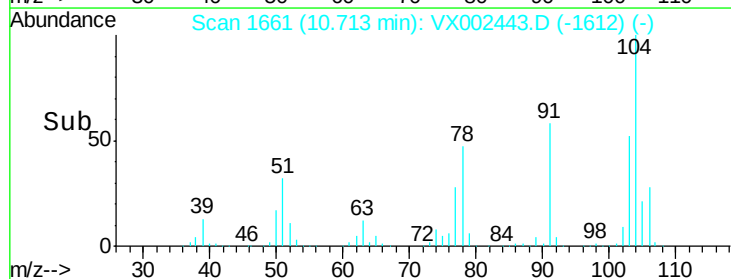
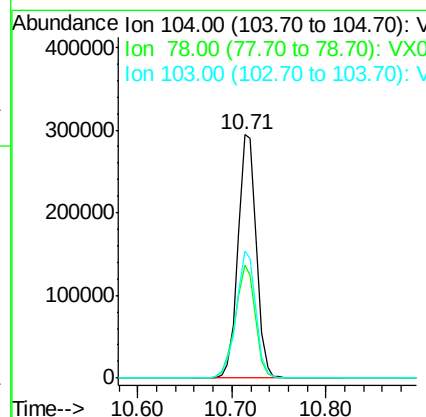
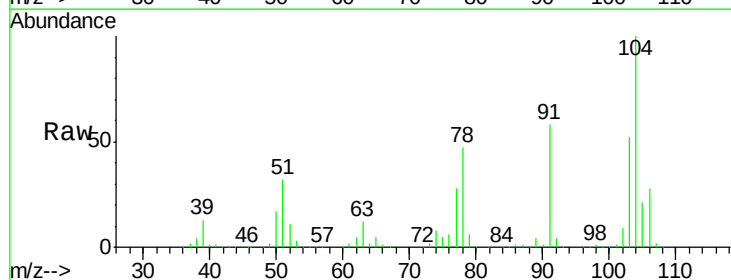
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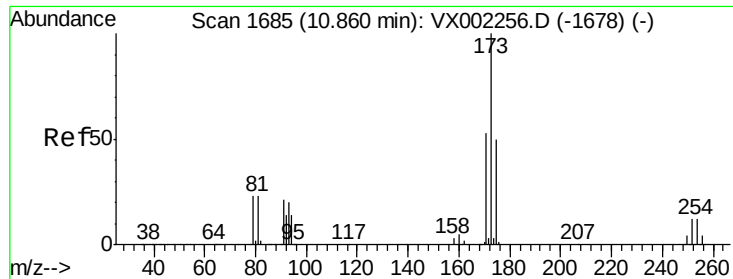
MMDadoda
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#70
Styrene
Concen: 23.71 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Tgt Ion:104 Resp: 394860
Ion Ratio Lower Upper
104 100
78 50.6 41.0 61.6
103 55.5 44.2 66.4





#71

Bromoform

Concen: 23.95 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 112309

Ion Ratio Lower Upper

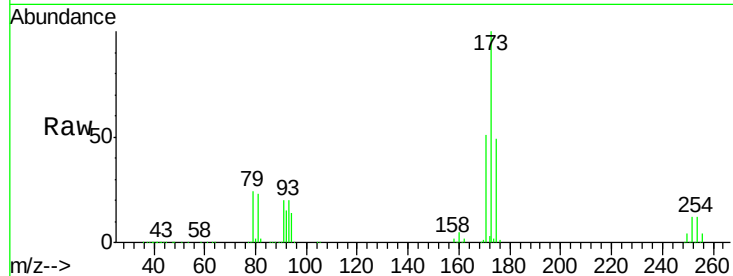
173 100

175 49.1 24.7 74.1

254 0.2 0.2 0.2

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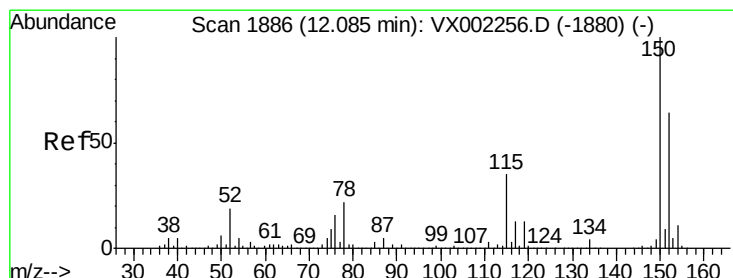
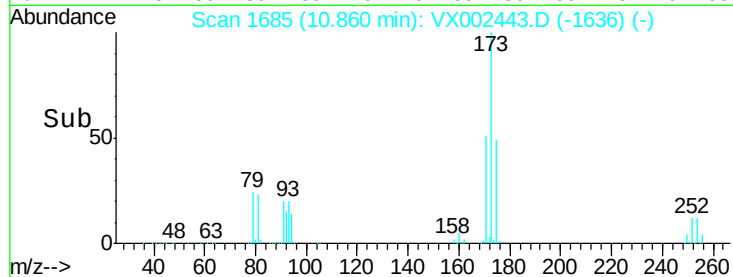
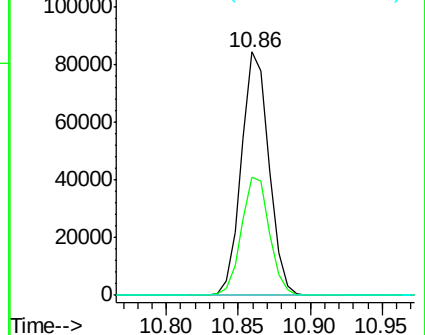
MMDadoda
6/12/2018 4:50:32 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

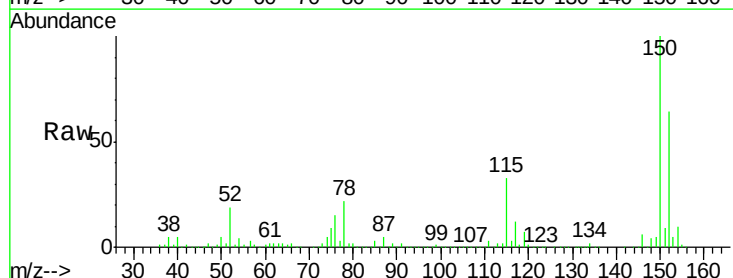
Tgt Ion:152 Resp: 409377

Ion Ratio Lower Upper

152 100

115 63.7 40.1 120.2

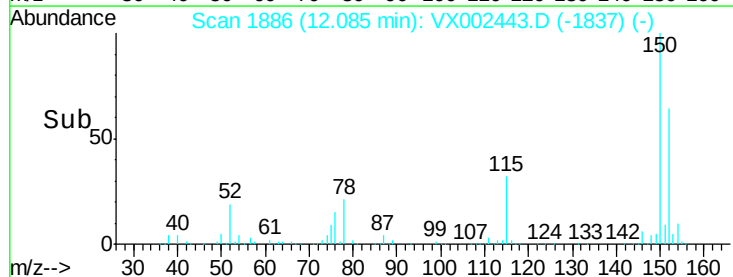
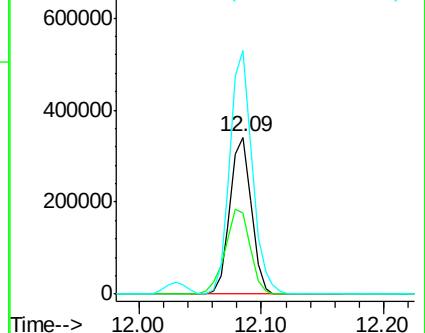
150 163.2 0.0 347.2

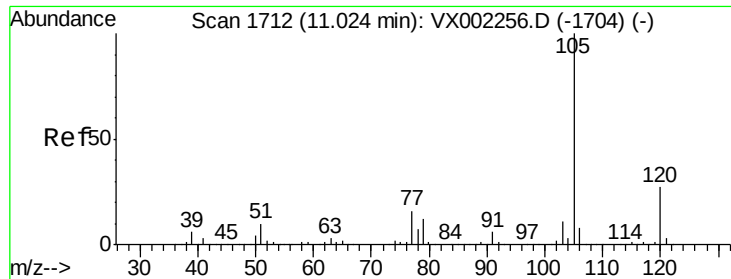


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.32 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 578699

Ion Ratio Lower Upper

105 100

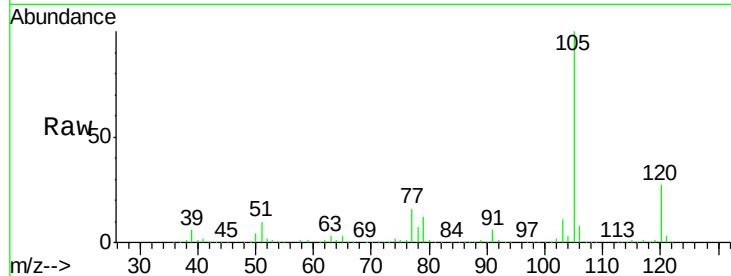
120 26.7 13.5 40.4

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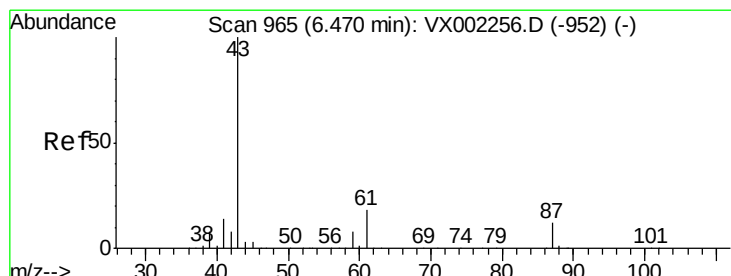
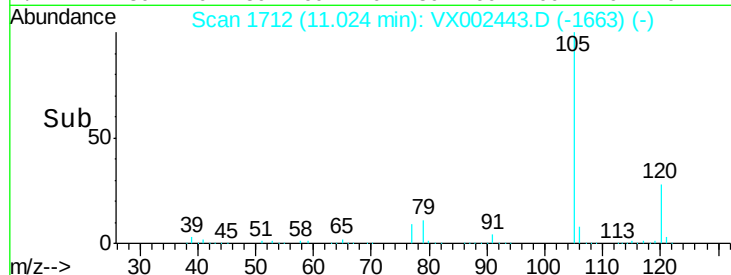
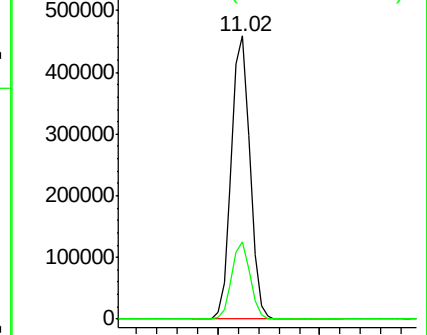
MMDadoda

6/12/2018 4:50:32 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.67 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Tgt Ion: 43 Resp: 332499

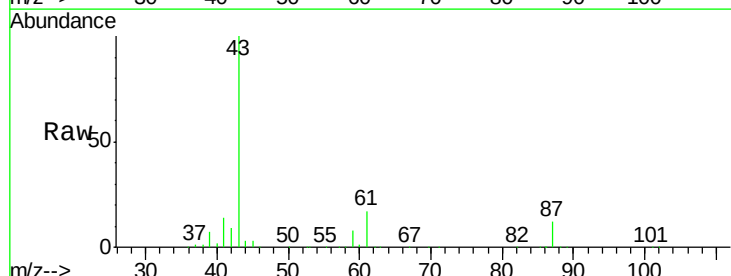
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 17.7 14.4 21.6

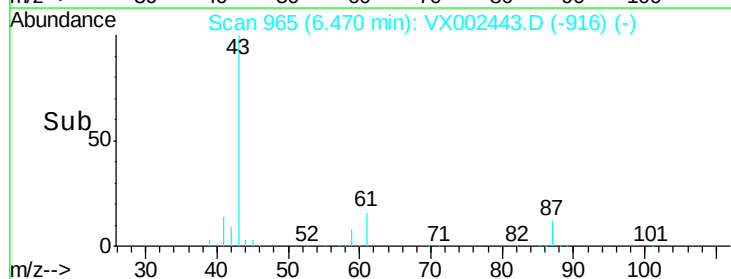
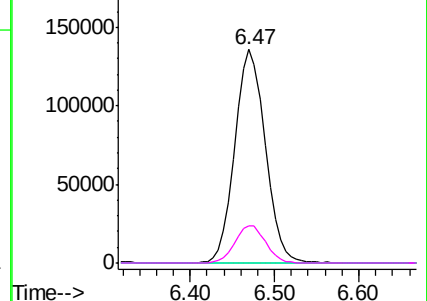


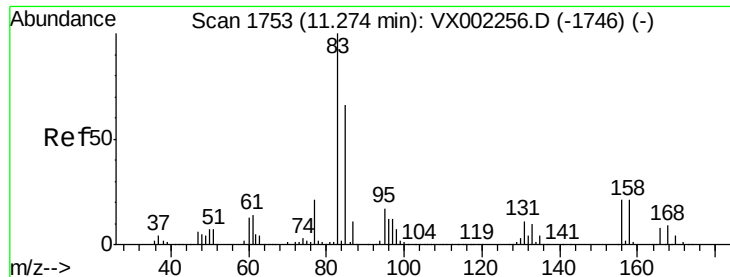
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.31 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

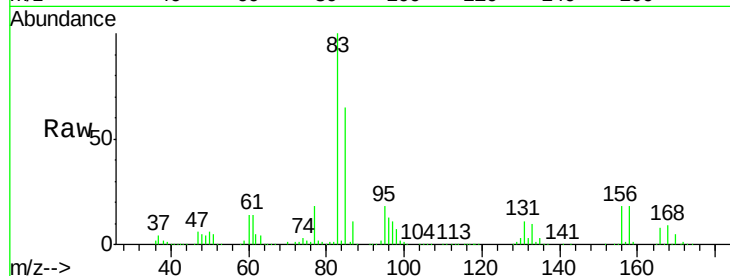
ClientSampleId :

VSTDCCC050

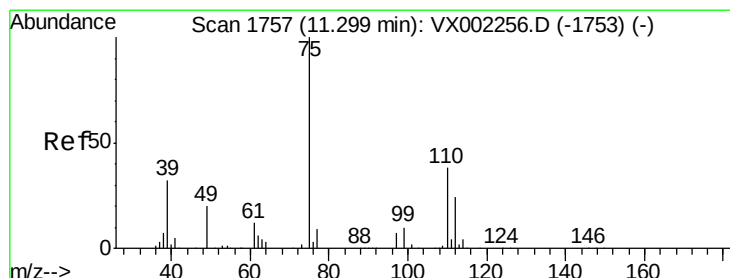
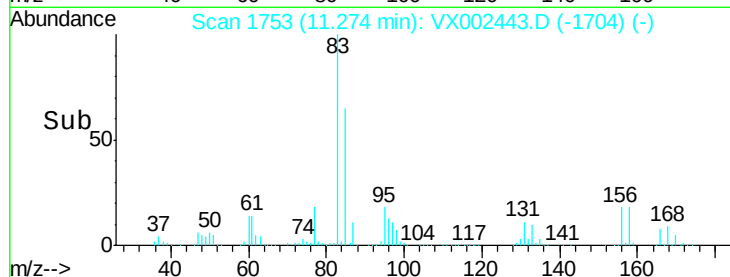
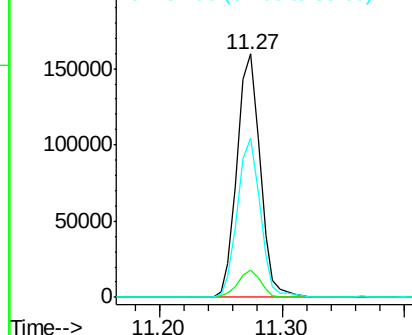
Tot Ion:	83	Resp:	208747
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	64.9	32.4	97.2

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6/12/2018 4:50:32 PM



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: 20.16 ug/l m

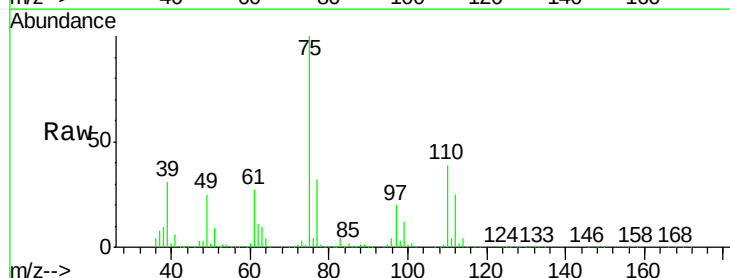
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

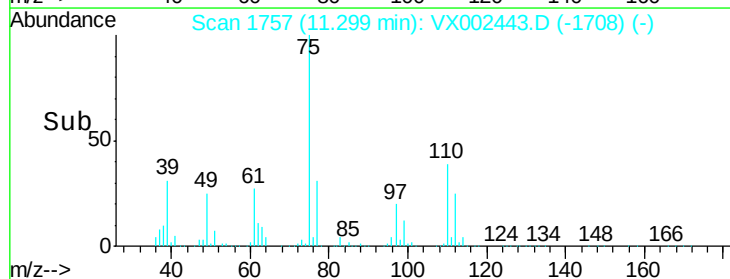
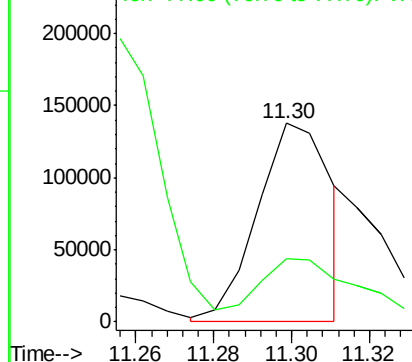
Lab File: VX002443.D

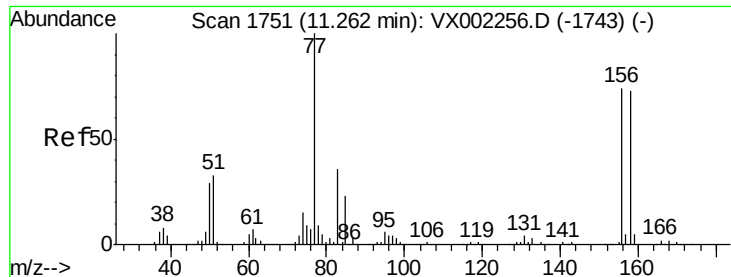
Acq: 11 Jun 2018 15:22

Tgt Ion:	75	Resp:	181131
Ion Ratio	Lower	Upper	
75	100		
77	43.7	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: 22.05 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

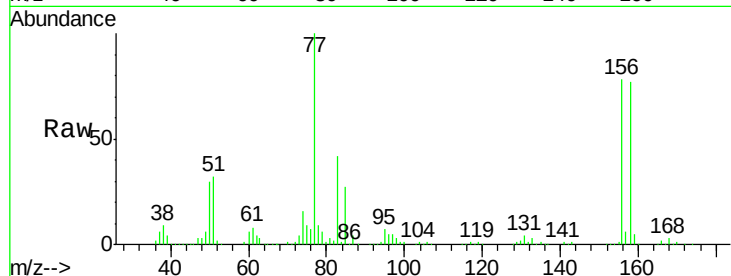
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	176260
Ion Ratio	Lower	Upper	
156	100		
77	141.4	71.4	214.2
158	98.9	48.9	146.6

Manual Integrations
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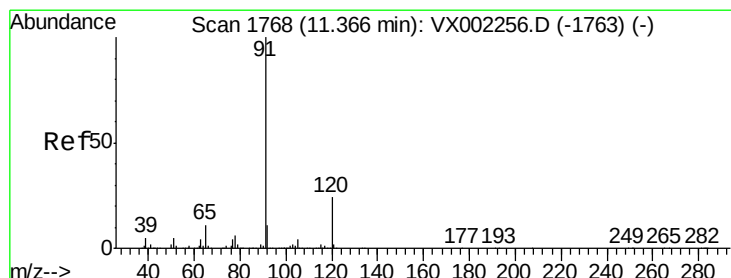
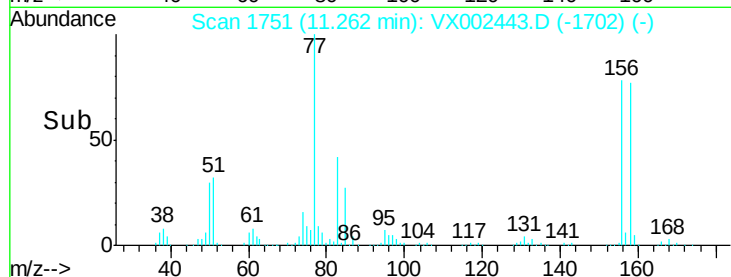
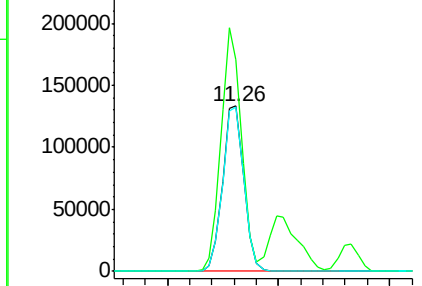
MMDadoda
6/12/2018 4:50:32 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.62 ug/l

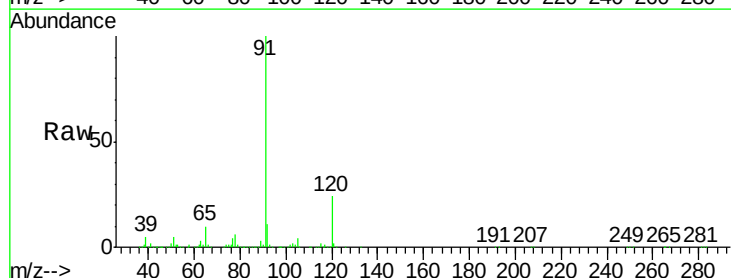
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002443.D

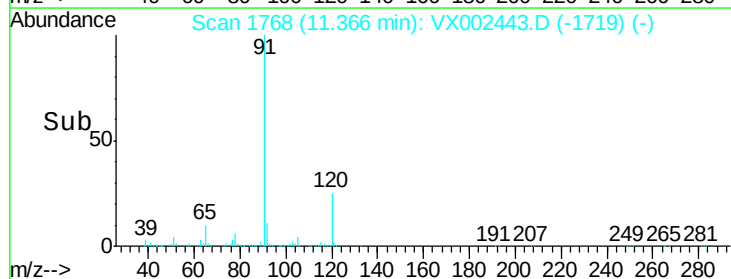
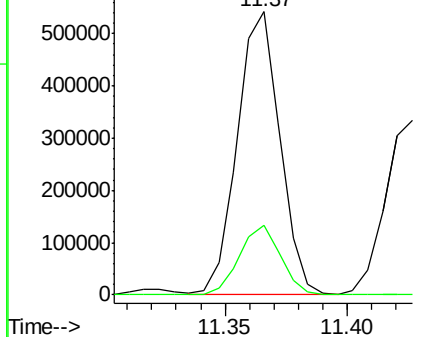
Acq: 11 Jun 2018 15:22

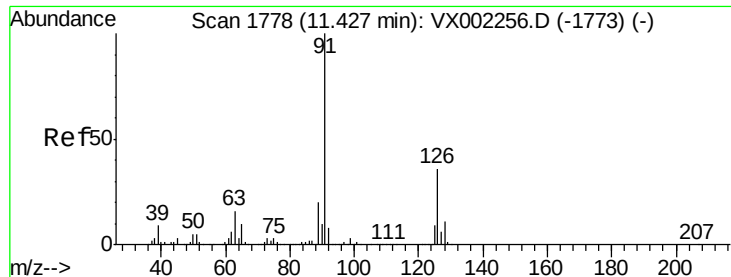
Tgt Ion:	91	Resp:	652755
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.82 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 416151

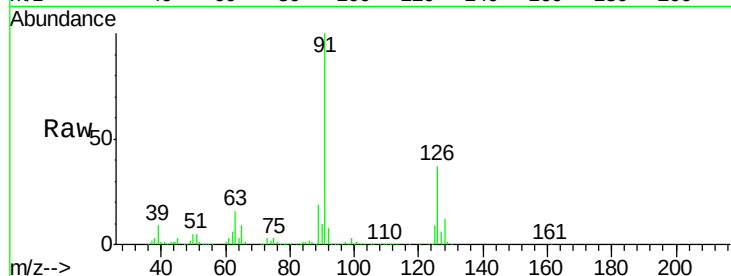
Ion Ratio Lower Upper

91 100

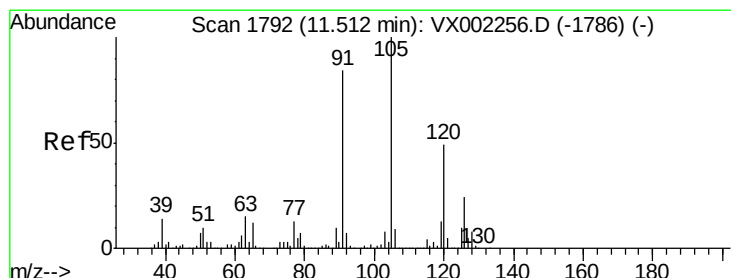
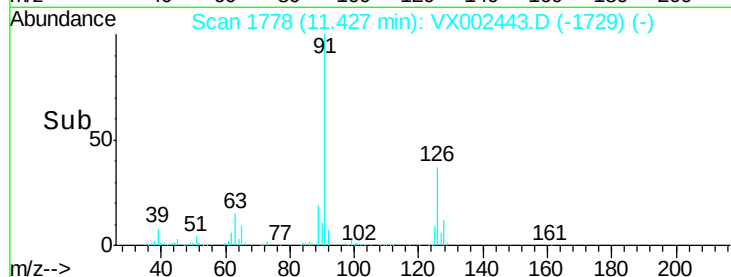
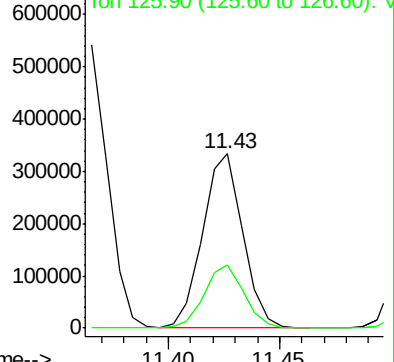
126 36.0 17.7 53.1

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Abundance Ion 91.00 (90.70 to 91.70): VX002443.D (-1729) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.93 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002443.D

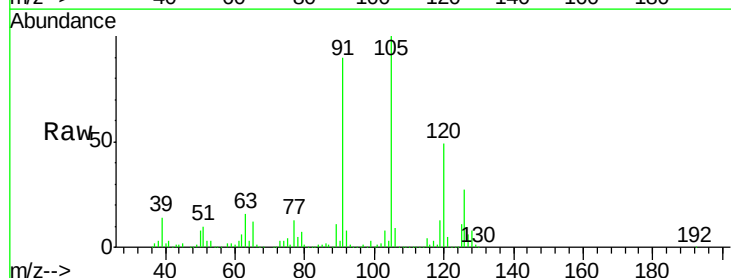
Acq: 11 Jun 2018 15:22

Tgt Ion: 105 Resp: 511174

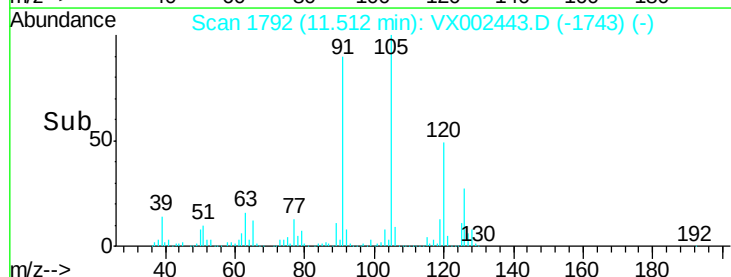
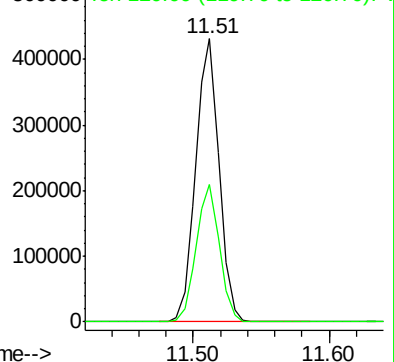
Ion Ratio Lower Upper

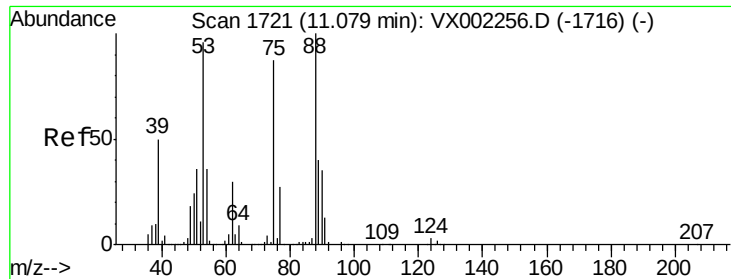
105 100

120 48.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002443.D (-1743) (-)





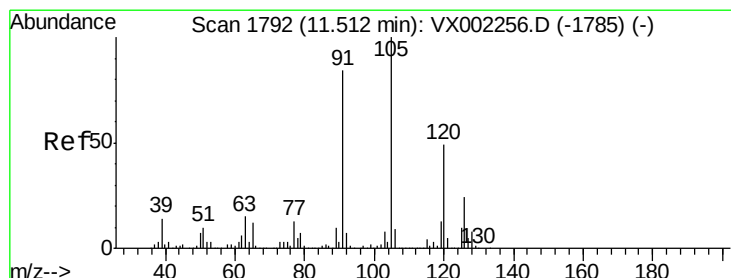
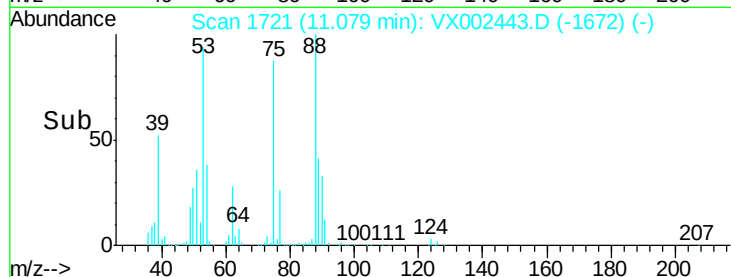
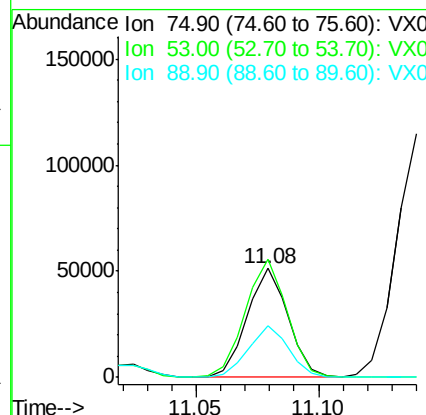
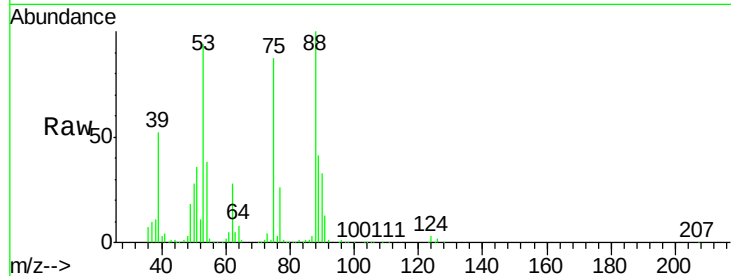
#81
trans-1,4-Dichloro-2-butene
Concen: 23.27 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.1	86.8	130.2
89	47.4	38.2	57.2

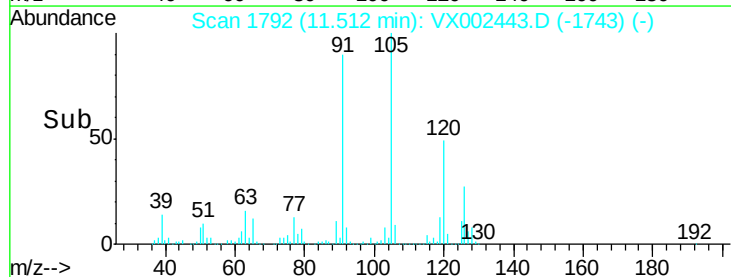
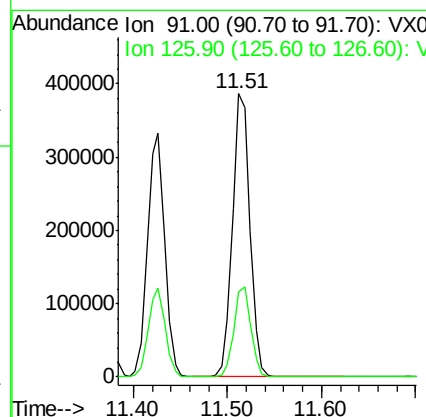
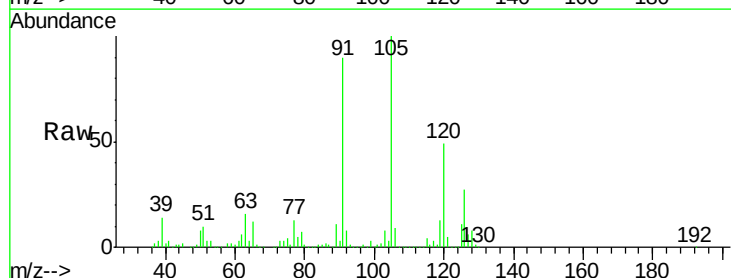
Manual Integrations
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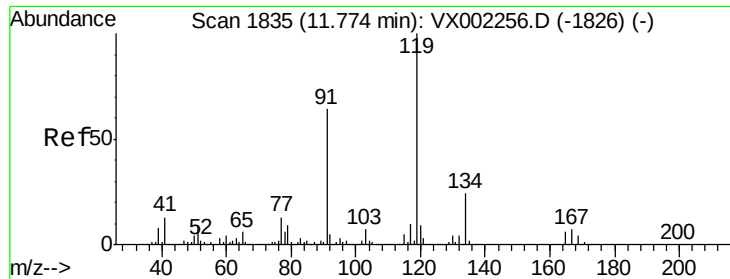
MMDadoda
6/12/2018 4:50:32 PM



#82
4-Chlorotoluene
Concen: 21.59 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.4	46.4





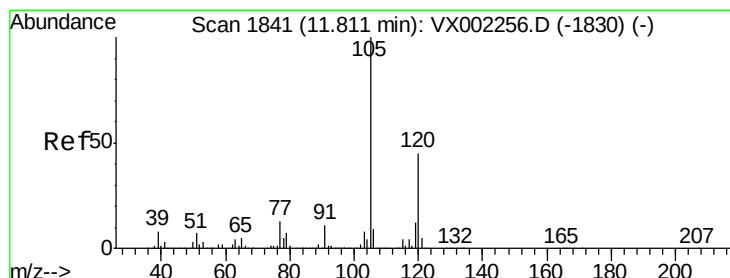
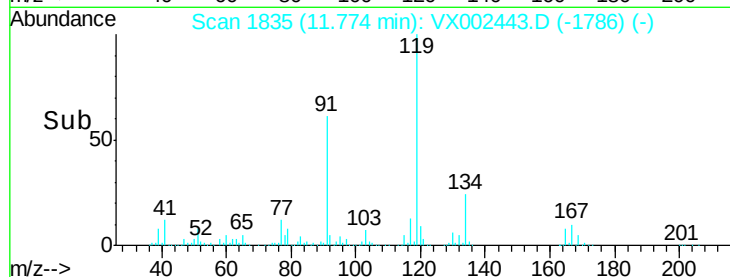
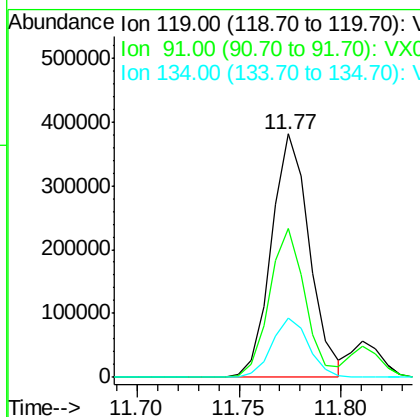
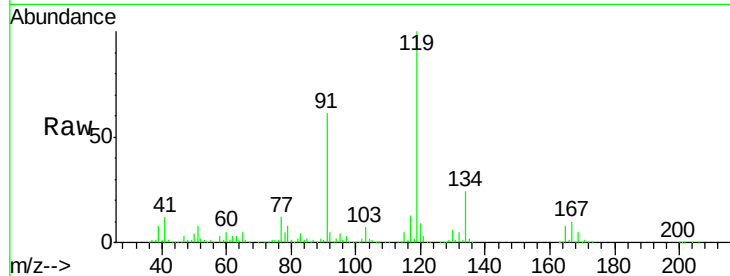
#83
 tert-Butylbenzene
 Concen: 20.87 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002443.D
 Acq: 11 Jun 2018 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.9	30.3	90.9
134	23.4	11.7	35.1

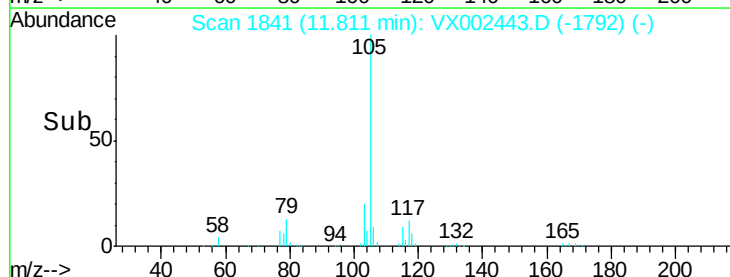
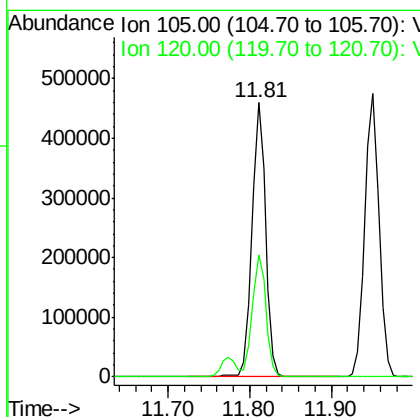
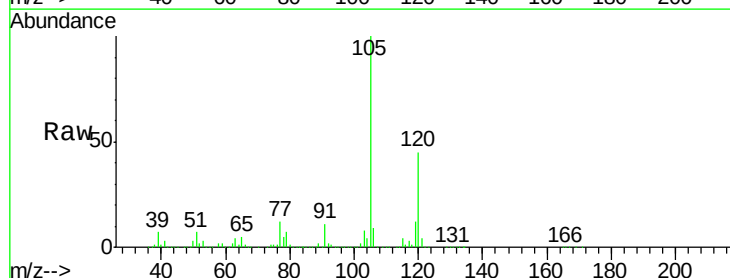
Manual Integrations
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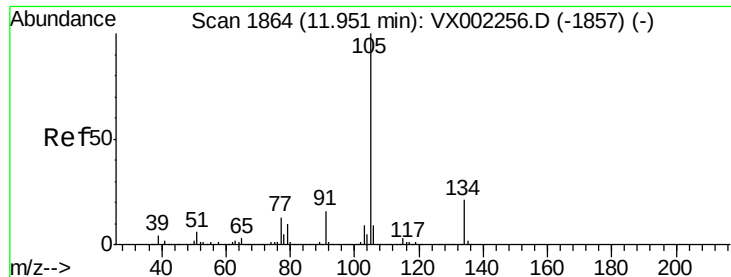
MMDadoda
 6/12/2018 4:50:32 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.47 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002443.D
 Acq: 11 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.3	66.8





#85

sec-Butylbenzene

Concen: 20.23 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 564154

Ion Ratio Lower Upper

105 100

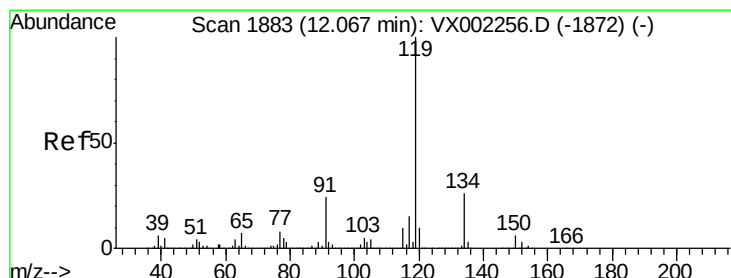
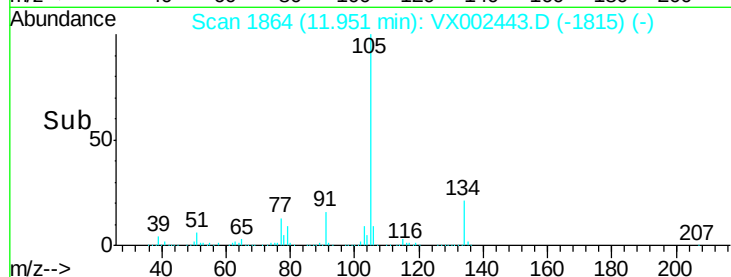
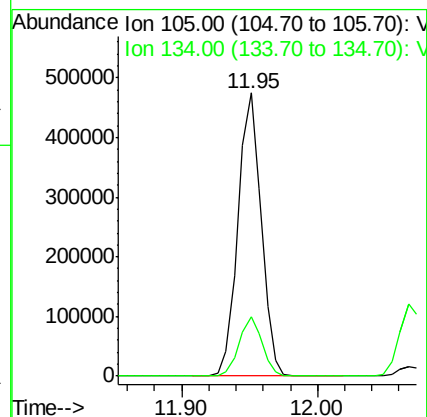
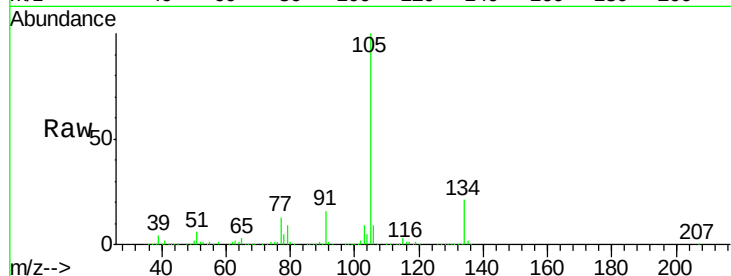
134 20.7 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.58 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

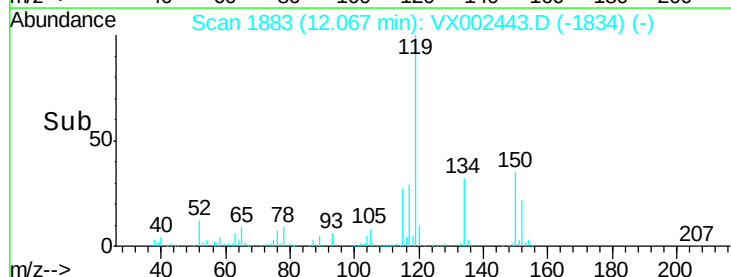
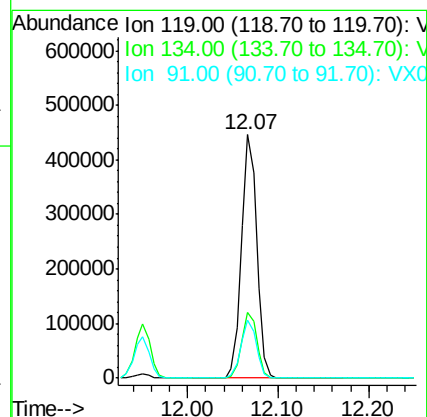
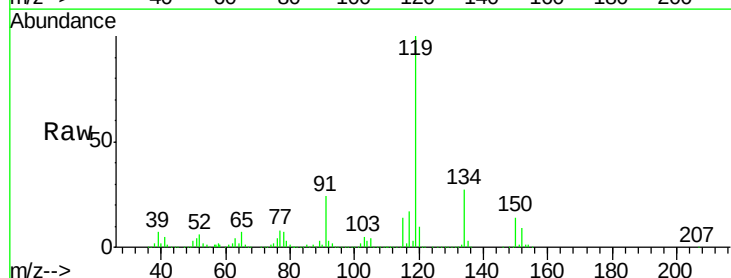
Tgt Ion:119 Resp: 522659

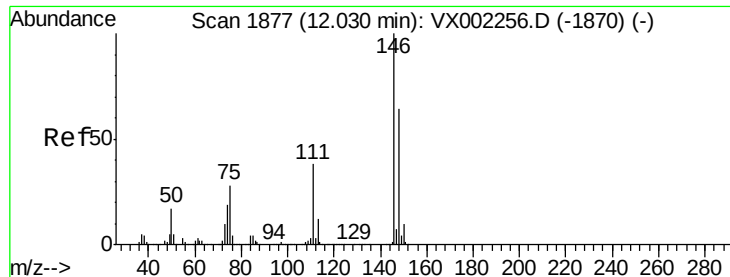
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 23.8 11.9 35.7





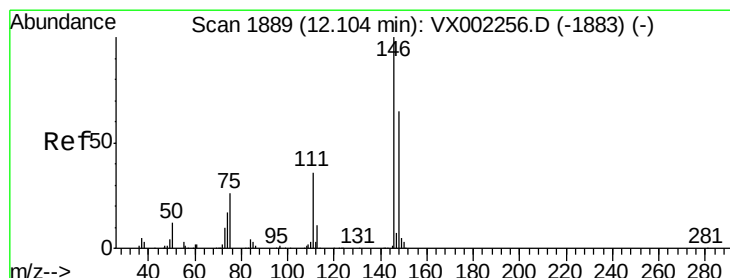
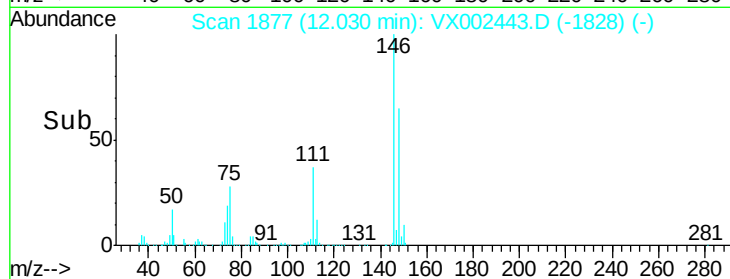
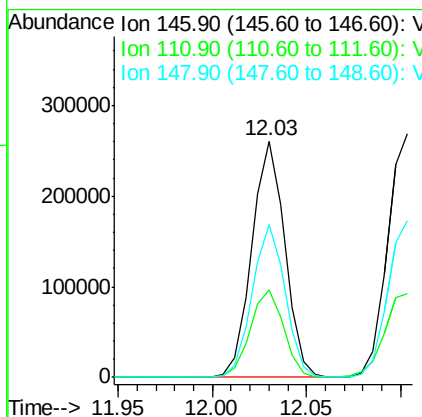
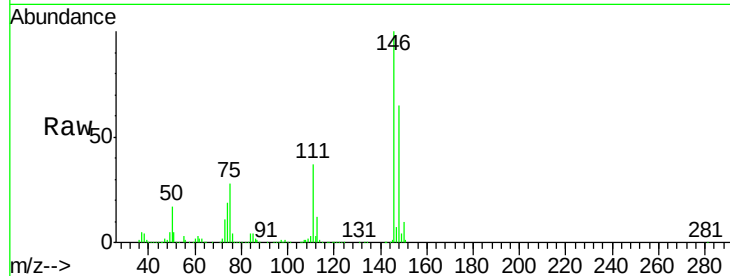
#87
 1,3-Dichlorobenzene
 Concen: 22.11 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002443.D
 Acq: 11 Jun 2018 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.7
148	64.5	32.1	96.3

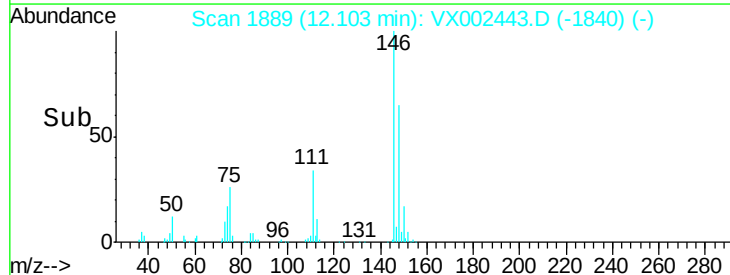
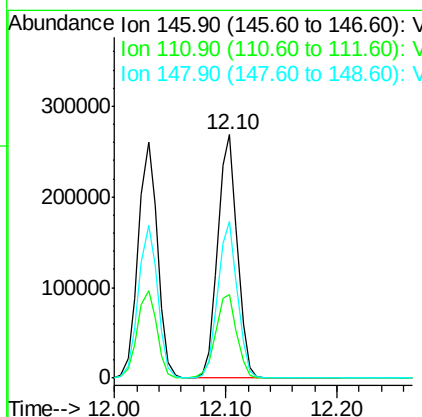
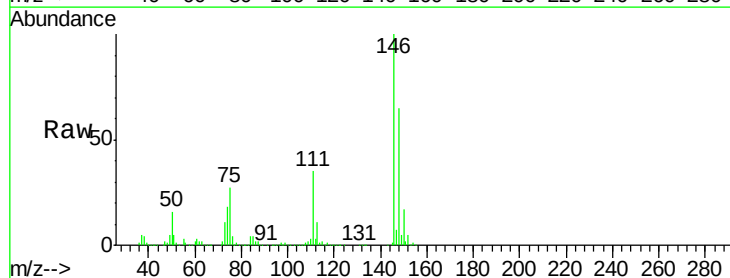
Manual Integrations
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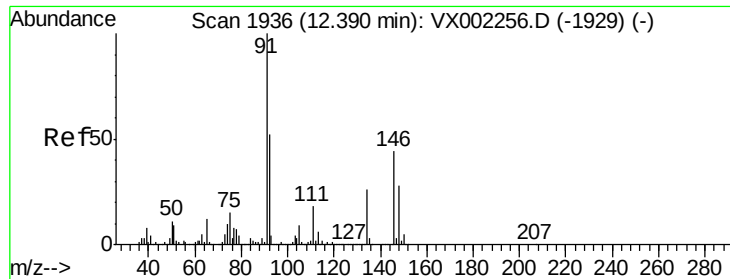
MMDadoda
 6/12/2018 4:50:32 PM



#88
 1,4-Dichlorobenzene
 Concen: 22.16 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002443.D
 Acq: 11 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.7	56.1
148	64.6	32.4	97.0





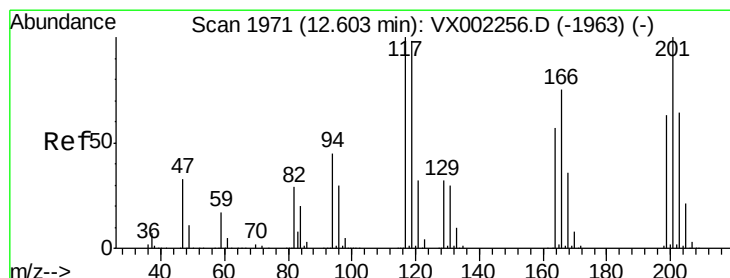
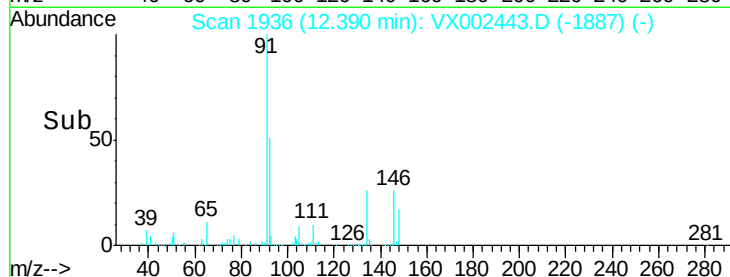
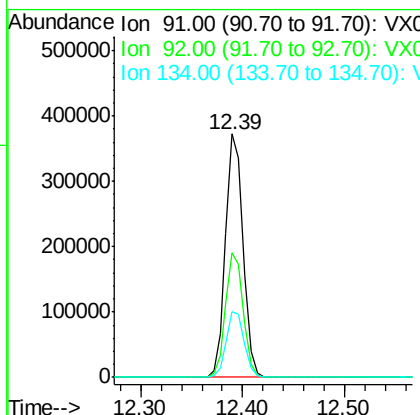
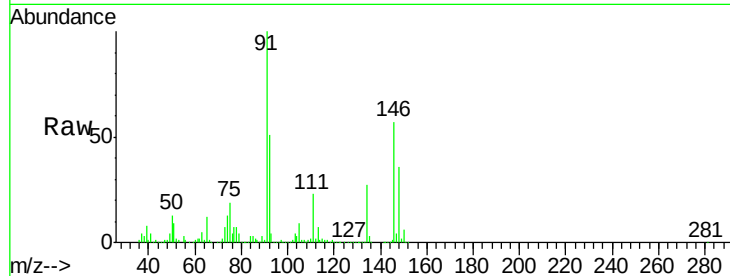
#89
n-Butylbenzene
Concen: 20.83 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.0	78.0
134	27.4	13.5	40.5

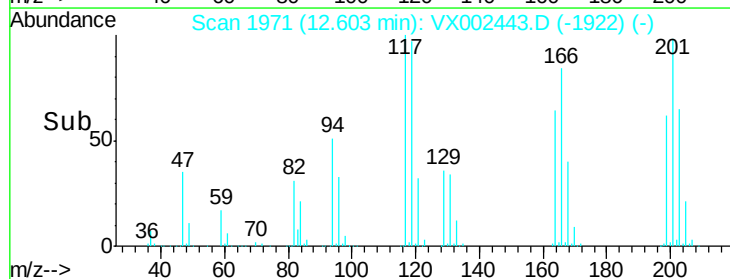
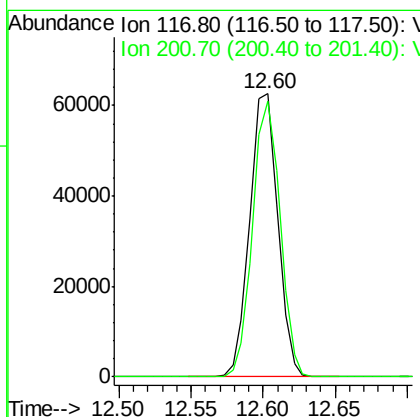
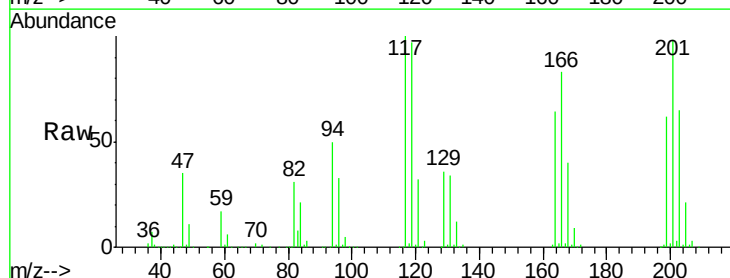
Manual Integrations
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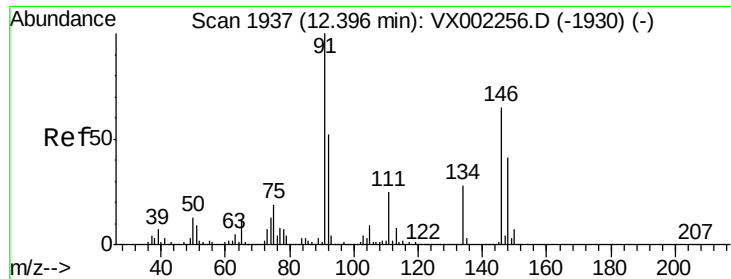
MMDadoda
6/12/2018 4:50:32 PM



#90
Hexachloroethane
Concen: 20.75 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002443.D
Acq: 11 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.4	49.0	147.0





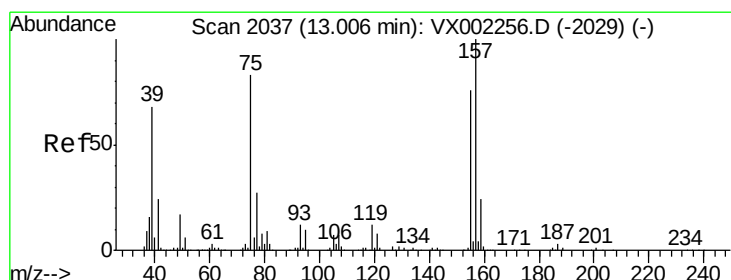
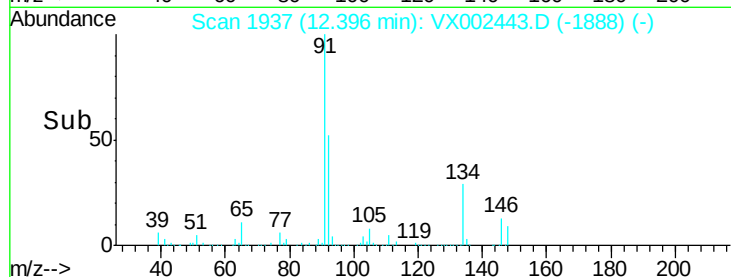
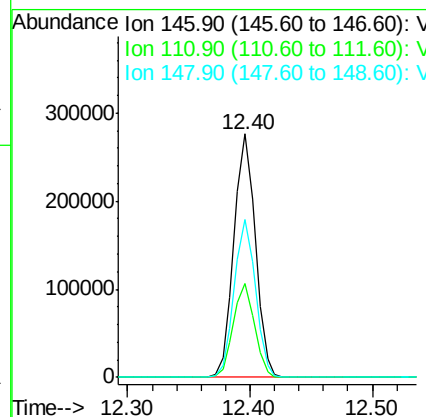
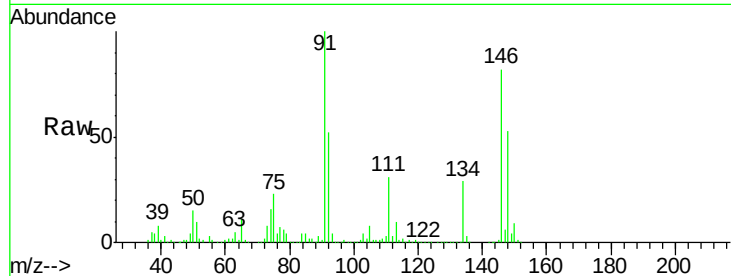
#91
 1,2-Dichlorobenzene
 Concen: 22.57 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002443.D
 Acq: 11 Jun 2018 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	333868		
111	38.3	19.4	58.1	
148	64.3	31.7	95.1	

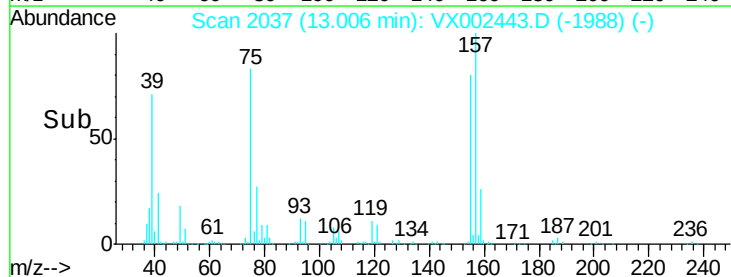
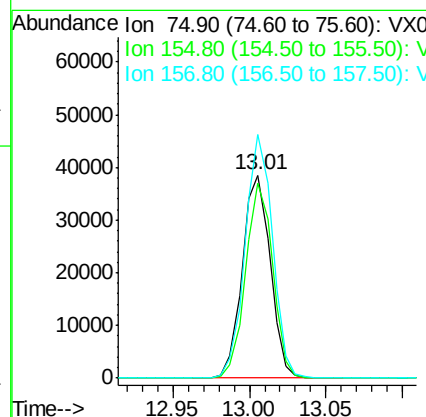
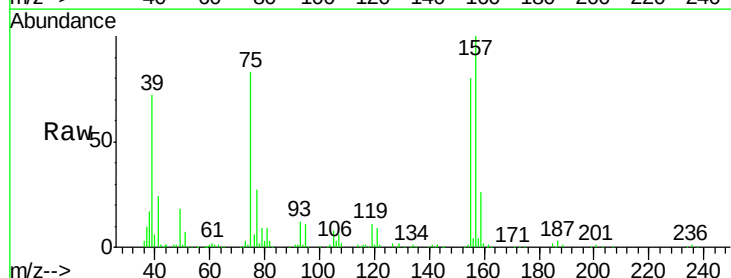
Manual Integrations
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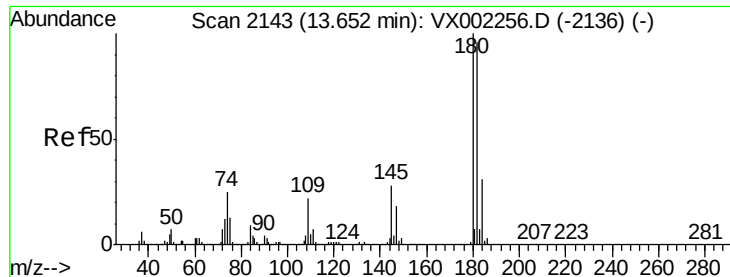
MMDadoda
 6/12/2018 4:50:32 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.94 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002443.D
 Acq: 11 Jun 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	48843		
155	93.1	45.8	137.4	
157	117.6	60.1	180.3	





#93

1,2,4-Trichlorobenzene

Concen: 22.74 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

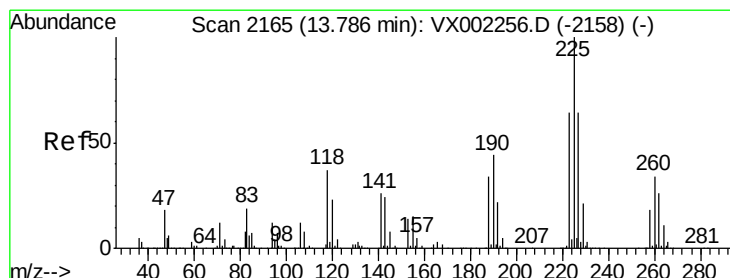
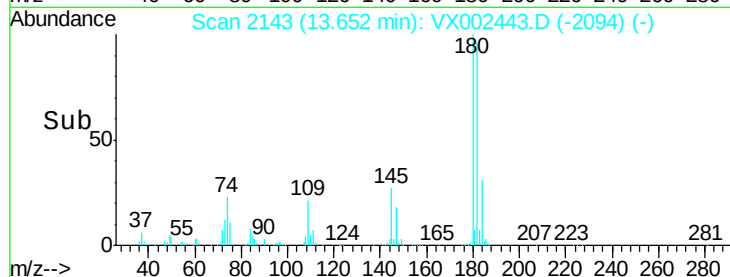
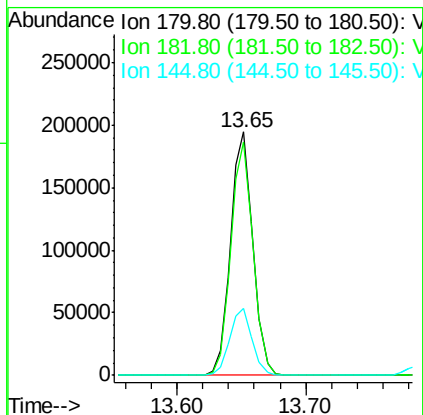
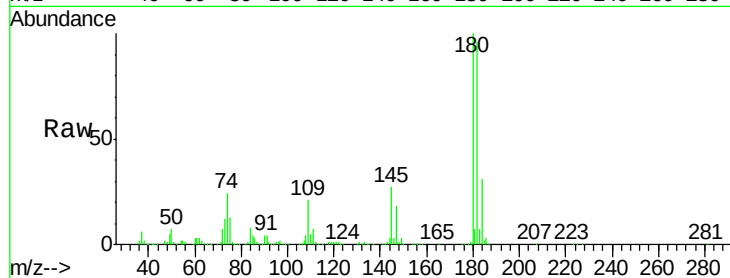
ClientSampled :

VSTDCCC050

Tot Ion:	180	Resp:	235885
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.7	143.1
145	27.7	14.1	42.4

Manual Integrations
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6/12/2018 4:50:32 PM



#94

Hexachlorobutadiene

Concen: 19.86 ug/l

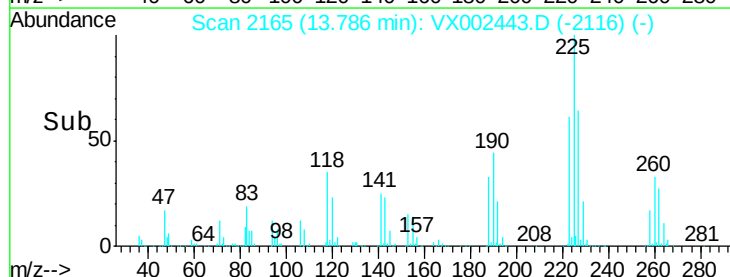
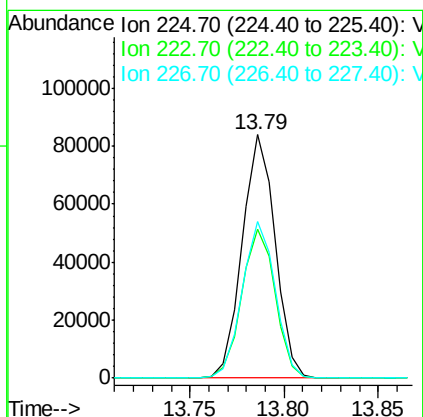
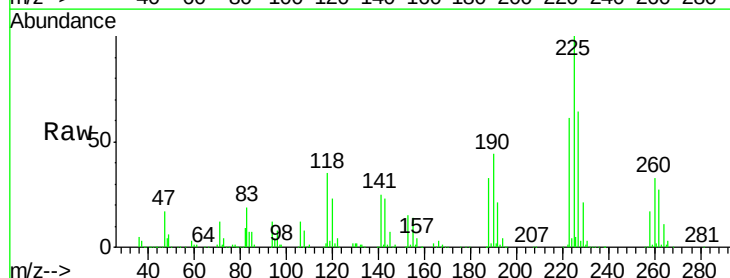
RT: 13.79 min Scan# 2165

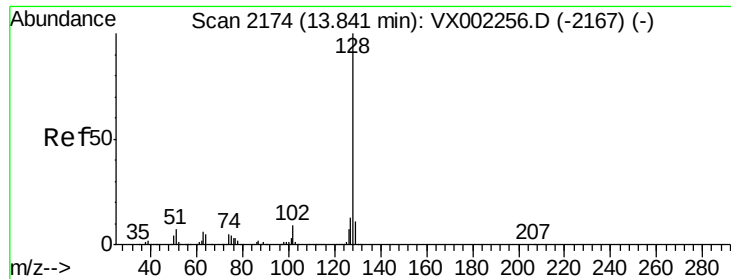
Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Tgt Ion:	225	Resp:	101758
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.6	95.0
227	64.3	32.4	97.2





#95

Naphthalene

Concen: 23.96 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Instrument :

MSVOA_X

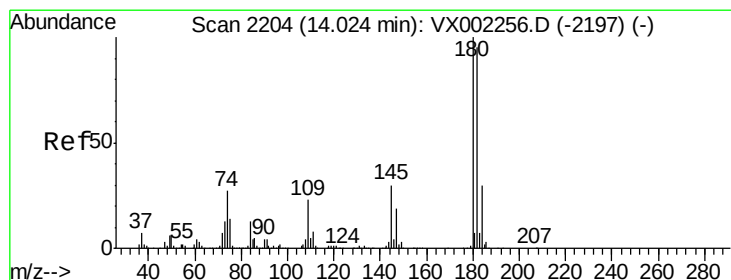
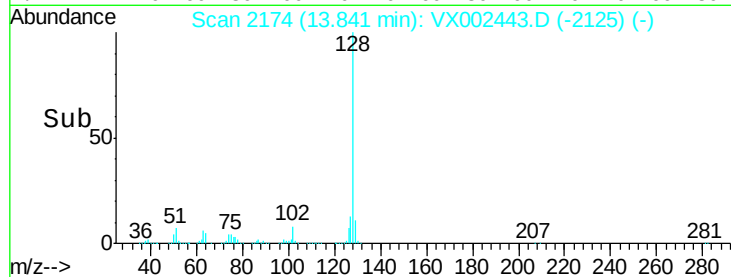
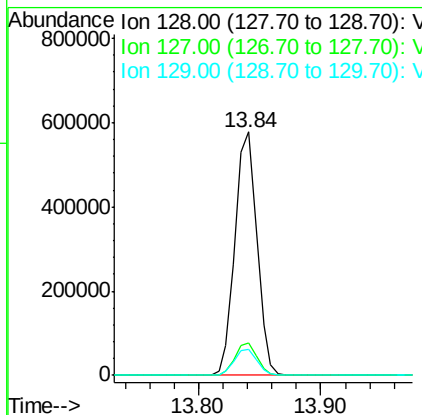
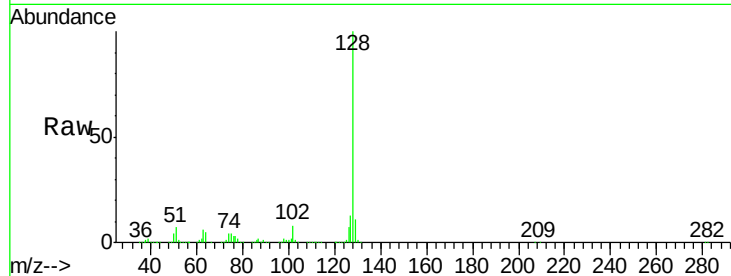
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	713894
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/12/2018 4:50:32 PM



#96

1,2,3-Trichlorobenzene

Concen: 23.14 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002443.D

Acq: 11 Jun 2018 15:22

Tgt Ion:	180	Resp:	244772
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.0	144.0
145	29.3	14.8	44.3

