

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061218\
 Data File : VX002480.D
 Acq On : 12 Jun 2018 21:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/13/2018 1:59:37 PM

Quant Time: Jun 13 03:05:28 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	188462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	293466	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	292842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193829	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	138374	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
35) Dibromofluoromethane	5.51	113	105635	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	
50) Toluene-d8	8.72	98	394510	44.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.20%	
62) 4-Bromofluorobenzene	11.14	95	155842	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	81564	41.633	ug/l	99
3) Chloromethane	1.32	50	110239	49.055	ug/l	99
4) Vinyl Chloride	1.41	62	119649	48.458	ug/l	98
5) Bromomethane	1.64	94	70582	50.550	ug/l	100
6) Chloroethane	1.71	64	84359	52.817	ug/l	99
7) Trichlorofluoromethane	1.93	101	199005	52.899	ug/l	99
8) Diethyl Ether	2.19	74	84070	63.533	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	109356	53.866	ug/l	98
10) Methyl Iodide	2.51	142	124644	43.651	ug/l	98
11) Tert butyl alcohol	3.08	59	162481	297.969	ug/l	99
12) 1,1-Dichloroethene	2.37	96	104114	51.893	ug/l	97
13) Acrolein	2.30	56	63932	238.466	ug/l	99
14) Allyl chloride	2.73	41	221766	50.934	ug/l	98
15) Acrylonitrile	3.15	53	366327	322.175	ug/l	99
16) Acetone	2.45	43	340706	297.599	ug/l	100
17) Carbon Disulfide	2.57	76	227506	43.024	ug/l	98
18) Methyl Acetate	2.78	43	178105	66.878	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	442318	63.978	ug/l	100
20) Methylene Chloride	2.86	84	132571	62.927	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	115890	52.380	ug/l	97
22) Diisopropyl ether	3.87	45	407880	56.261	ug/l	91
23) Vinyl Acetate	3.83	43	1755821	248.760	ug/l	100
24) 1,1-Dichloroethane	3.70	63	232064	53.927	ug/l	99
25) 2-Butanone	4.71	43	457128	247.382	ug/l	99
26) 2,2-Dichloropropane	4.59	77	131256	39.020	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	119855	49.812	ug/l	93
28) Bromochloromethane	5.02	49	106896	59.051	ug/l	99
29) Tetrahydrofuran	5.17	42	301357	252.946	ug/l	99
30) Chloroform	5.22	83	217723	52.432	ug/l	98
31) Cyclohexane	5.58	56	152959	44.950	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	178389	50.655	ug/l	99
36) 1,1-Dichloropropene	5.80	75	143211	46.419	ug/l	98
37) Ethyl Acetate	4.87	43	182843	49.281	ug/l	100
38) Carbon Tetrachloride	5.79	117	150496	46.629	ug/l	99

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Manual Integrations
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 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)
39) Methylcyclohexane	7.46	83	153158	40.234	ug/l	99
40) Benzene	6.15	78	454905	48.089	ug/l	100
41) Methacrylonitrile	5.07	41	103799	48.871	ug/l	98
42) 1,2-Dichloroethane	6.20	62	188882	50.256	ug/l	100
43) Isopropyl Acetate	6.47	43	307367	48.774	ug/l	99
44) Trichloroethene	7.21	130	127172	48.439	ug/l	97
45) 1,2-Dichloropropane	7.52	63	125695	49.219	ug/l	98
46) Dibromomethane	7.67	93	85622	49.458	ug/l	98
47) Bromodichloromethane	7.90	83	159153	50.830	ug/l	98
48) Methyl methacrylate	7.78	41	158467	50.060	ug/l	99
49) 1,4-Dioxane	7.76	88	59009	996.984	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1017975	259.391	ug/l	100
52) Toluene	8.79	92	298764	49.658	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	183029	48.745	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	171693	48.467	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	130550	52.758	ug/l	99
56) Ethyl methacrylate	9.18	69	198789	50.318	ug/l	99
57) 1,3-Dichloropropane	9.38	76	212434	51.172	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	474980	259.764	ug/l	100
59) 2-Hexanone	9.50	43	778180	256.715	ug/l	99
60) Dibromochloromethane	9.59	129	131800	52.953	ug/l	99
61) 1,2-Dibromoethane	9.68	107	135783	52.626	ug/l	98
64) Tetrachloroethene	9.34	164	136768	45.285	ug/l	99
65) Chlorobenzene	10.14	112	353148	48.465	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	129825	49.205	ug/l	98
67) Ethyl Benzene	10.26	91	593095	48.636	ug/l	99
68) m/p-Xylenes	10.37	106	463929	97.869	ug/l	98
69) o-Xylene	10.70	106	233539	49.507	ug/l	97
70) Styrene	10.71	104	394776	51.191	ug/l	99
71) Bromoform	10.86	173	101923	43.609	ug/l	100
73) Isopropylbenzene	11.02	105	613006	45.463	ug/l	100
74) N-amyl acetate	6.47	43	307367	42.305	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	198299	46.760	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	194388m	45.705	ug/l	
77) Bromobenzene	11.26	156	175049	46.243	ug/l	98
78) n-propylbenzene	11.37	91	699114	46.649	ug/l	100
79) 2-Chlorotoluene	11.43	91	425866	45.003	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	533012	46.088	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	48497	39.970	ug/l	95
82) 4-Chlorotoluene	11.51	91	503144	46.064	ug/l	99
83) tert-Butylbenzene	11.77	119	515790	45.799	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	551007	46.283	ug/l	98
85) sec-Butylbenzene	11.95	105	624356	47.289	ug/l	100
86) p-Isopropyltoluene	12.07	119	568885	47.304	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	319969	47.274	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	327087	46.884	ug/l	99
89) n-Butylbenzene	12.39	91	490760	48.657	ug/l	99
90) Hexachloroethane	12.60	117	84485	44.009	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	331758	47.374	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	44143	47.600	ug/l	99

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VSTDCCC050EC

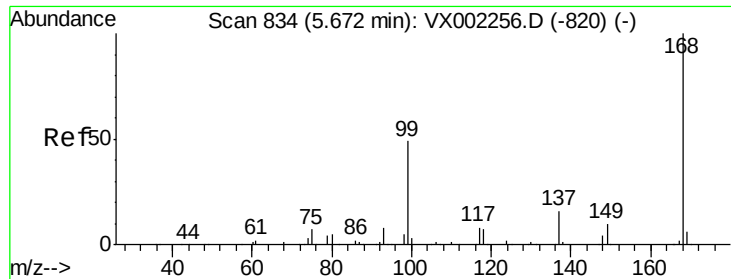
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	234792	47.816	ug/l	99
94) Hexachlorobutadiene	13.79	225	115235	47.491	ug/l	99
95) Naphthalene	13.84	128	690327	48.930	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	243303	48.585	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 188462

Ion Ratio Lower Upper

168 100

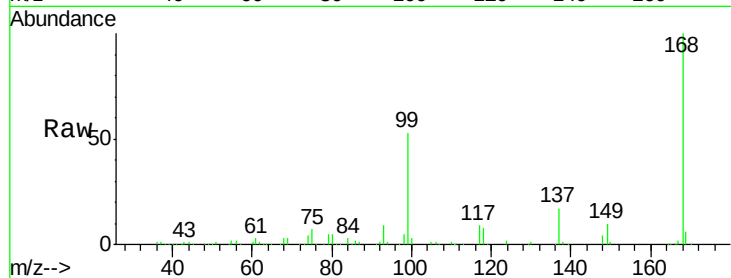
99 52.6 39.3 58.9

Manual Integrations

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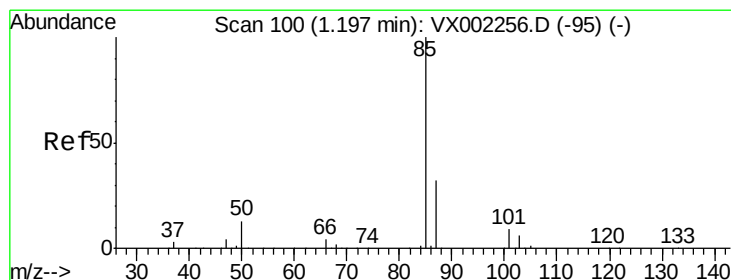
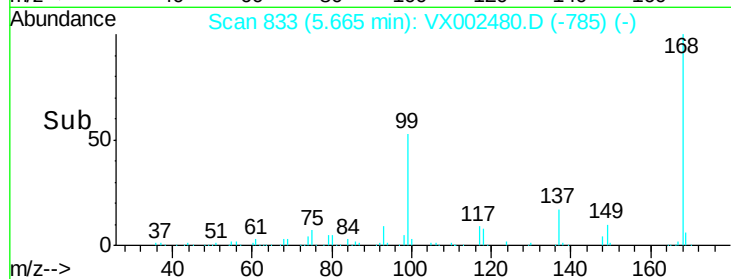
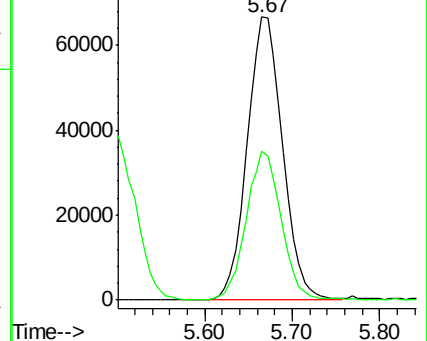
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 41.633 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002480.D

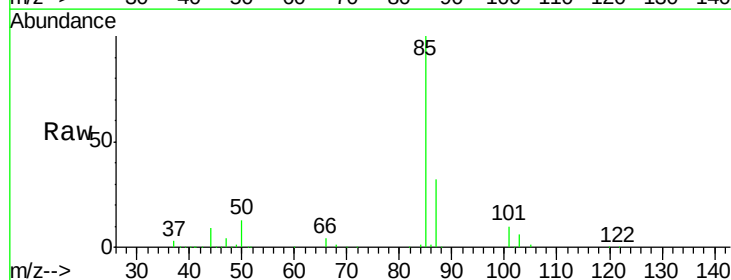
Acq: 12 Jun 2018 21:18

Tgt Ion: 85 Resp: 81564

Ion Ratio Lower Upper

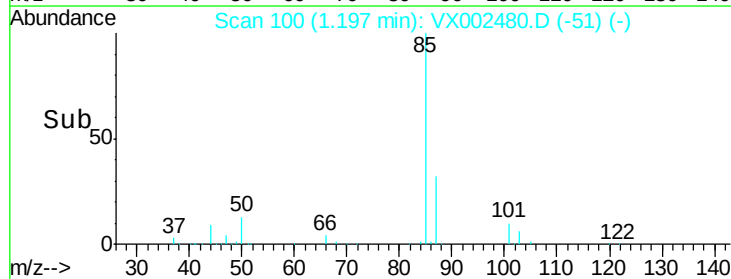
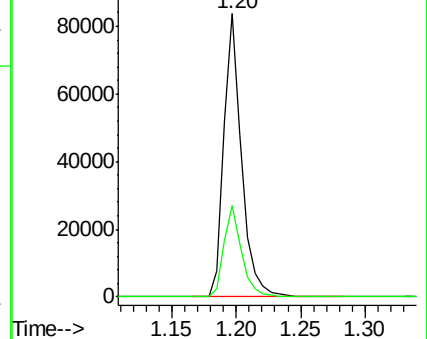
85 100

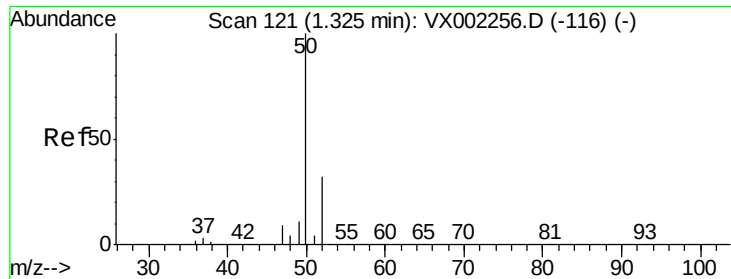
87 32.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 49.055 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 110239

Ion Ratio Lower Upper

50 100

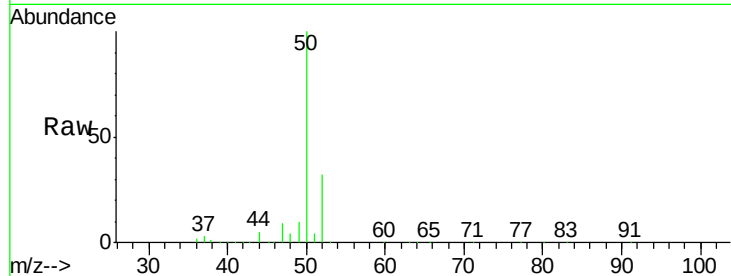
52 31.7 25.7 38.5

Manual Integrations

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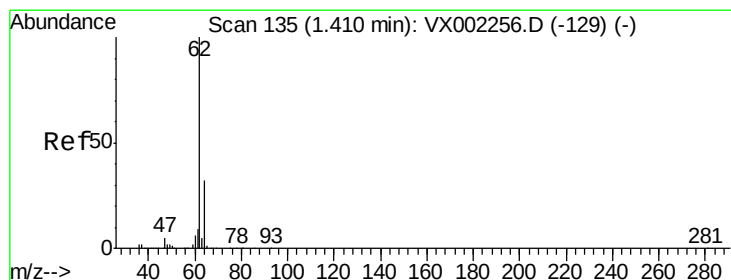
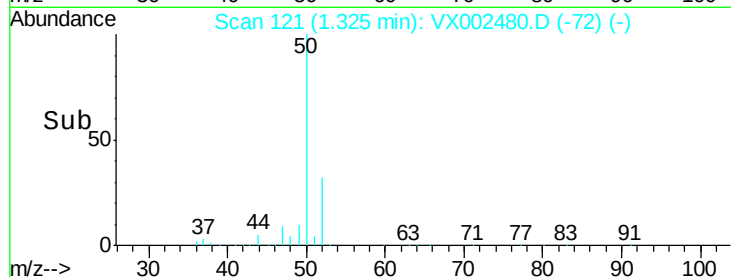
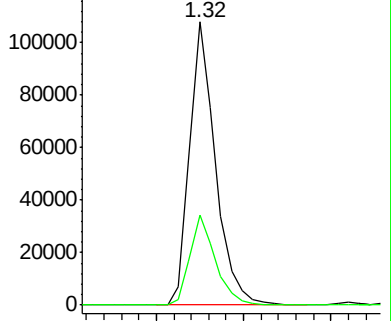
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.458 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002480.D

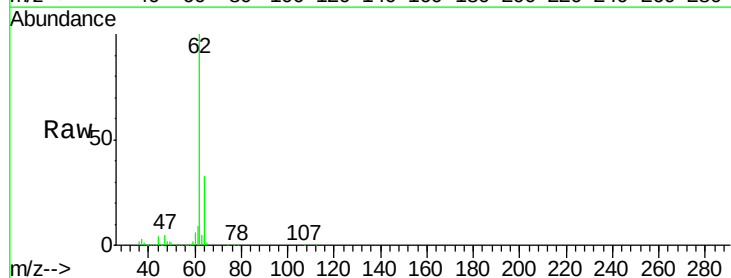
Acq: 12 Jun 2018 21:18

Tgt Ion: 62 Resp: 119649

Ion Ratio Lower Upper

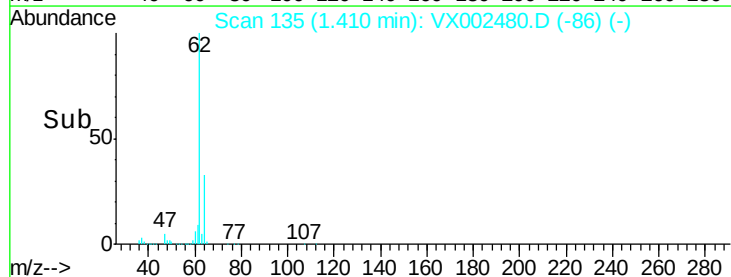
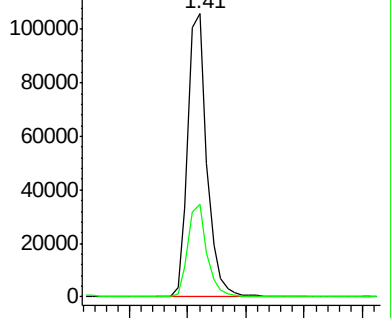
62 100

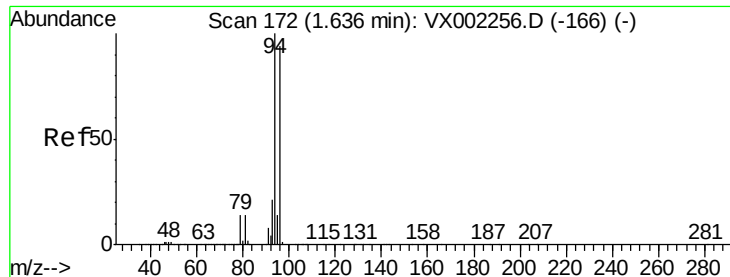
64 32.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 50.550 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 70582

Ion Ratio Lower Upper

94 100

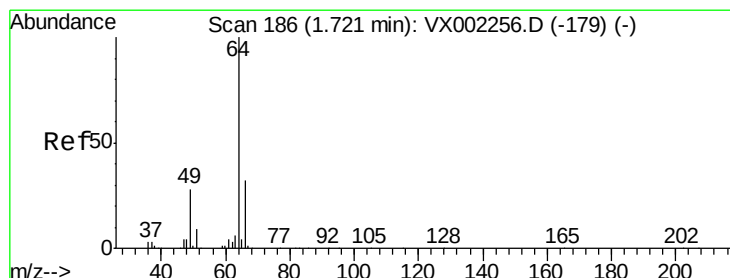
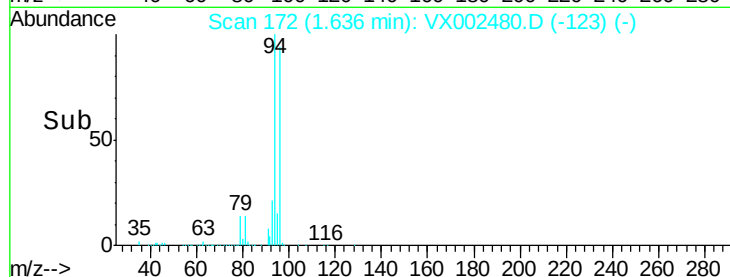
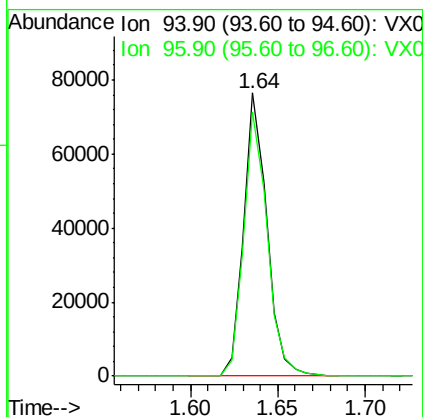
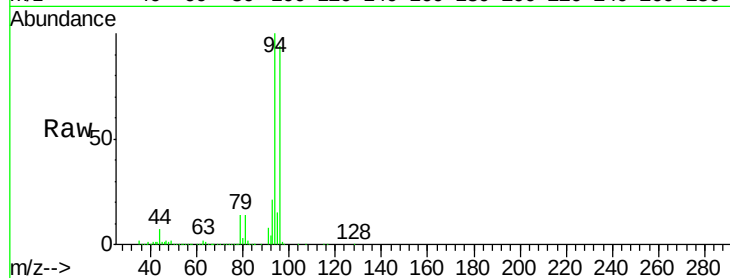
96 93.6 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 52.817 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002480.D

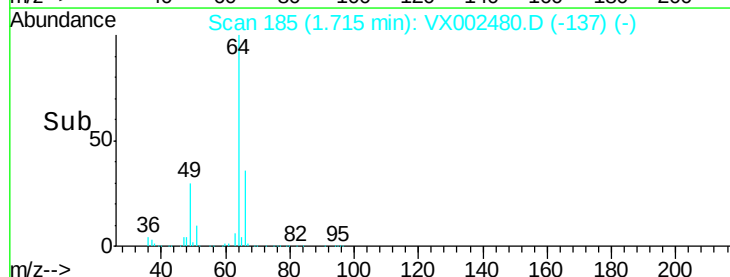
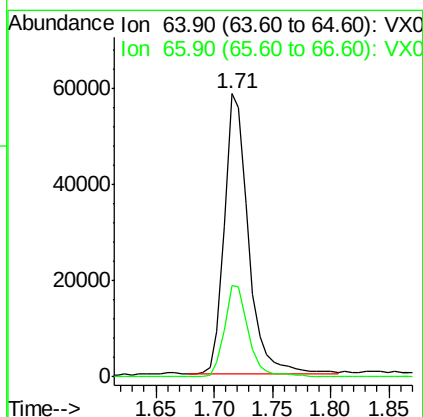
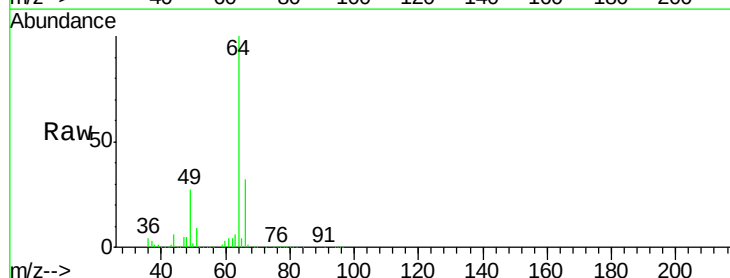
Acq: 12 Jun 2018 21:18

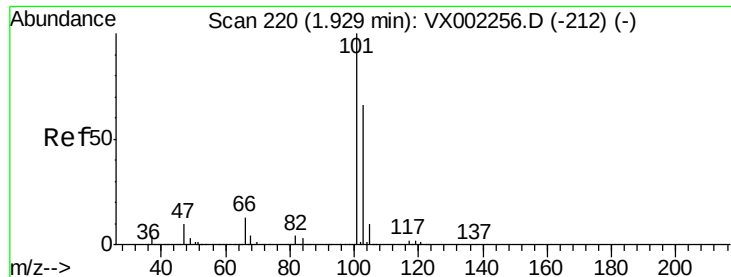
Tgt Ion: 64 Resp: 84359

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3





#7

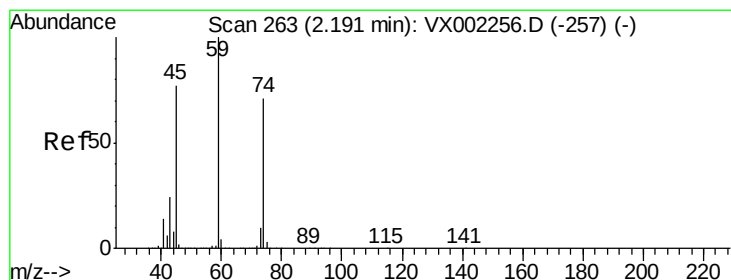
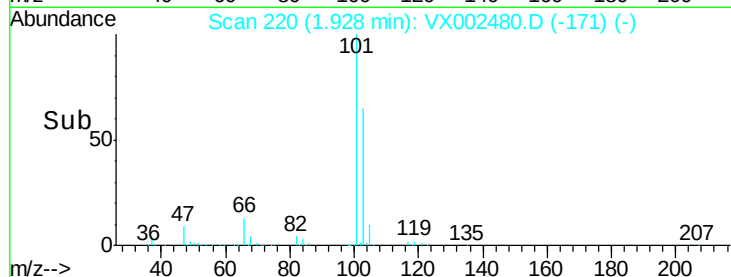
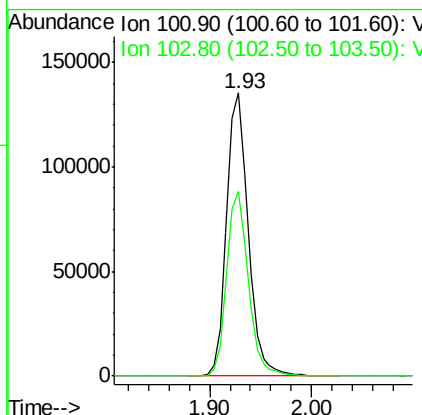
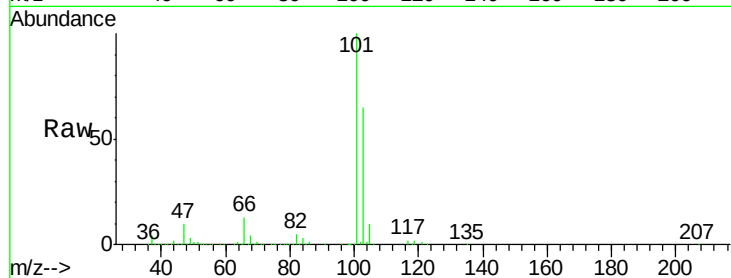
Trichlorofluoromethane
Concen: 52.899 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.8	79.2

Manual Integrations
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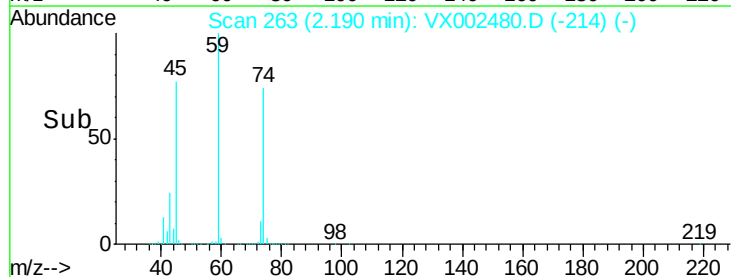
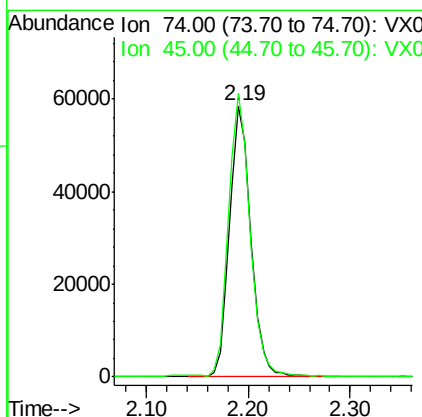
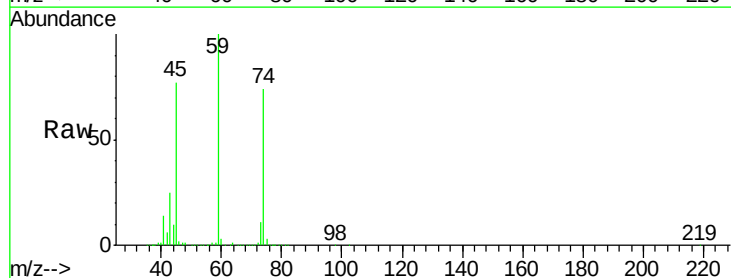
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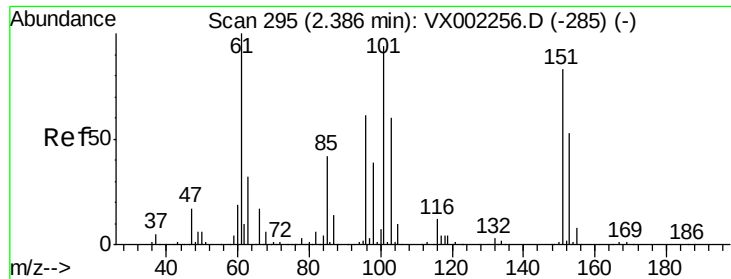


#8

Diethyl Ether
Concen: 63.533 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.5	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.866 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

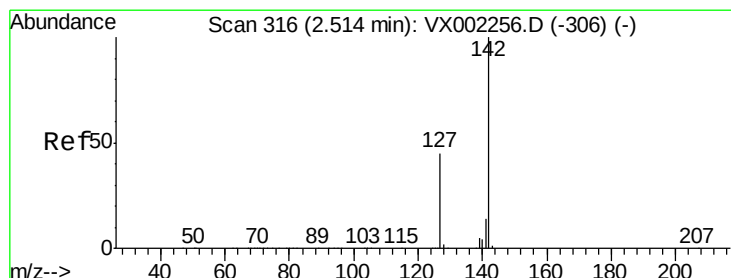
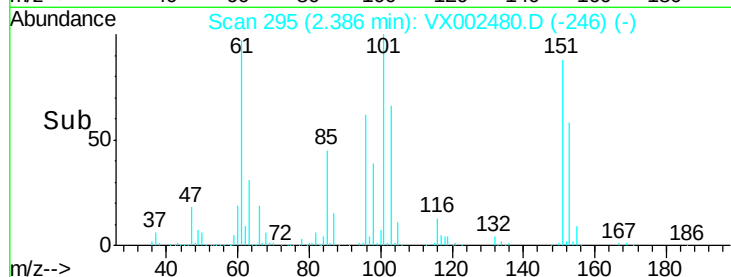
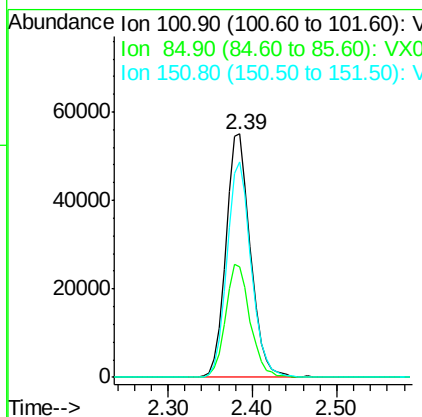
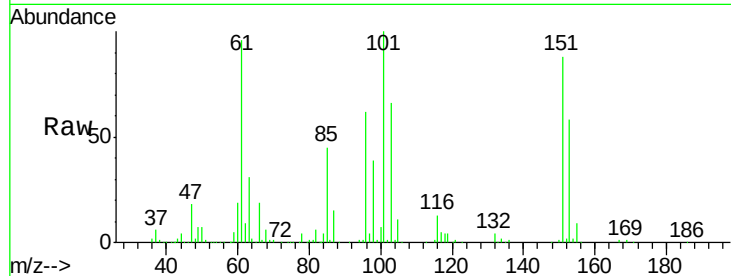
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	109356
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.0	54.0
151	87.5	70.9	106.3

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 43.651 ug/l

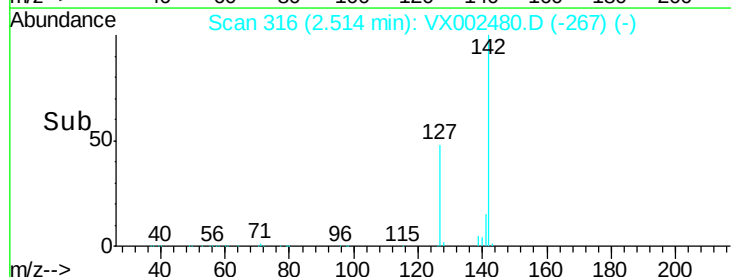
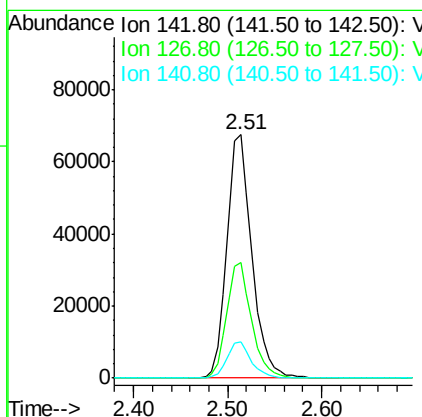
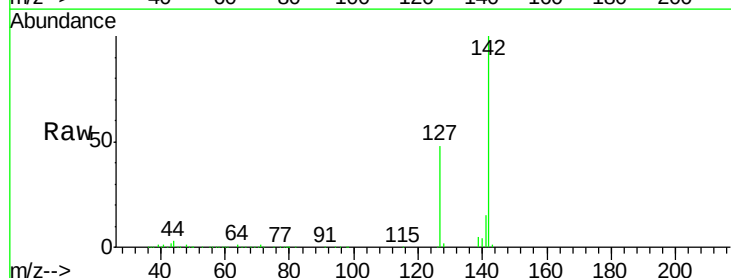
RT: 2.51 min Scan# 316

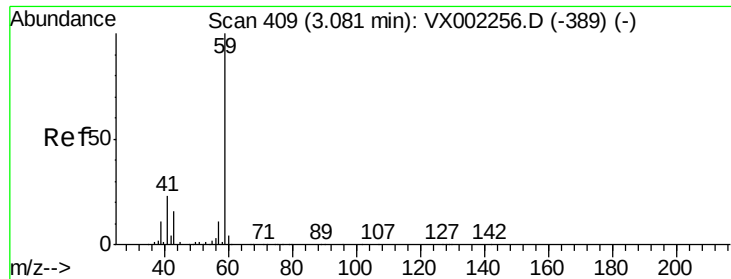
Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Tgt Ion:	142	Resp:	124644
Ion Ratio	Lower	Upper	
142	100		
127	47.0	36.6	55.0
141	14.7	11.3	16.9





#11

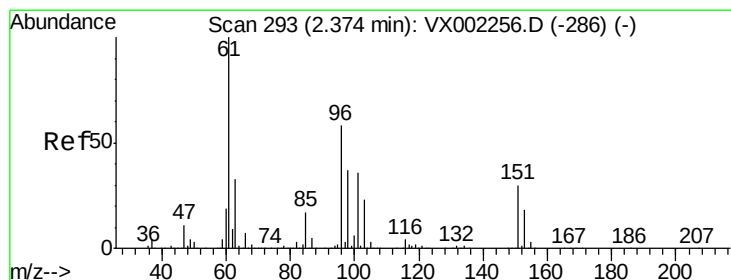
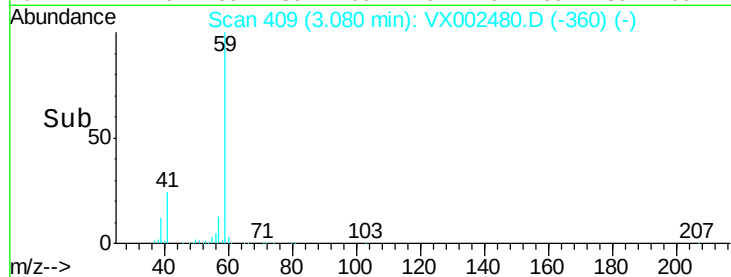
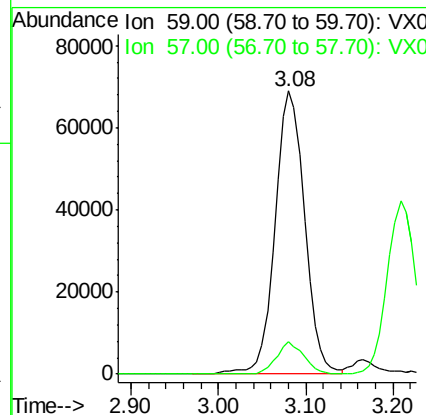
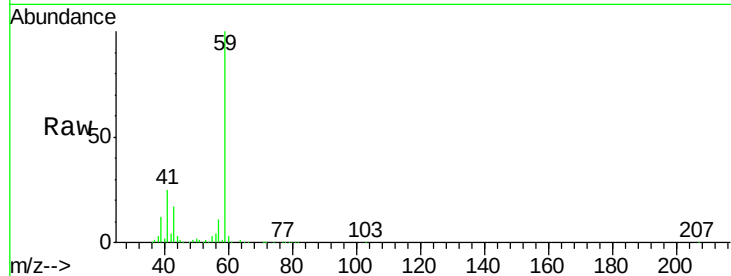
Tert butyl alcohol
Concen: 297.969 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	162481
Ion Ratio	100	Lower	Upper
57	10.5	8.2	12.2

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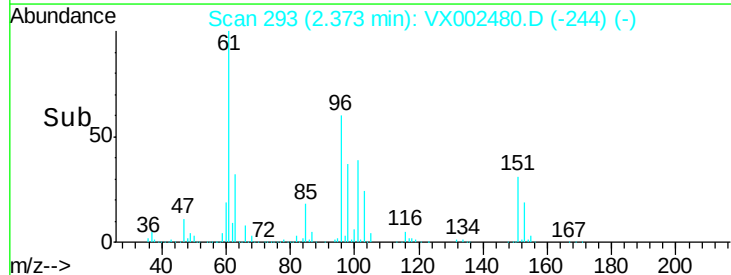
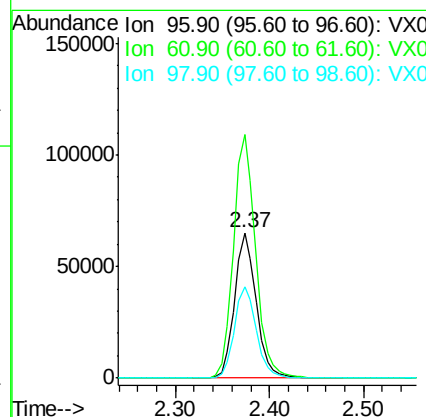
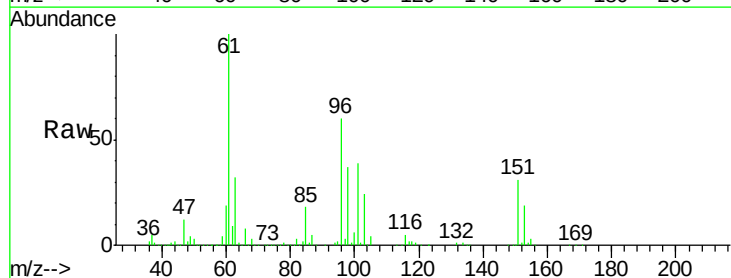
MMDadoda
6/13/2018 1:59:37 PM

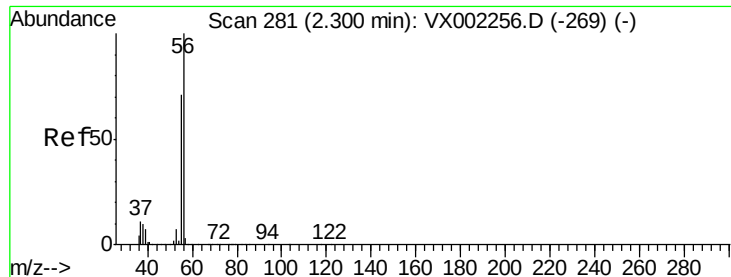


#12

1,1-Dichloroethene
Concen: 51.893 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Tgt Ion	96	Resp	104114
Ion Ratio	100	Lower	Upper
61	167.9	137.9	206.9
98	62.9	51.6	77.4





#13

Acrolein

Concen: 238.466 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 63932

Ion Ratio Lower Upper

56 100

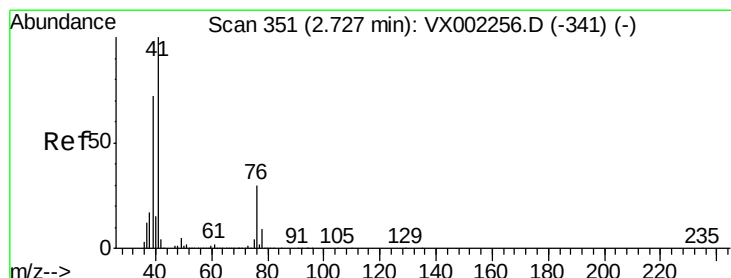
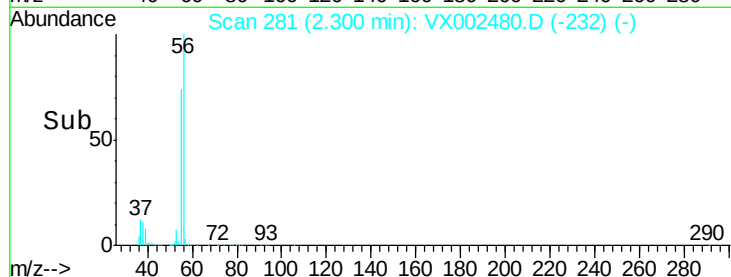
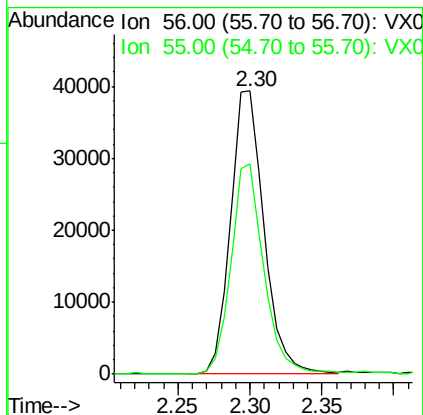
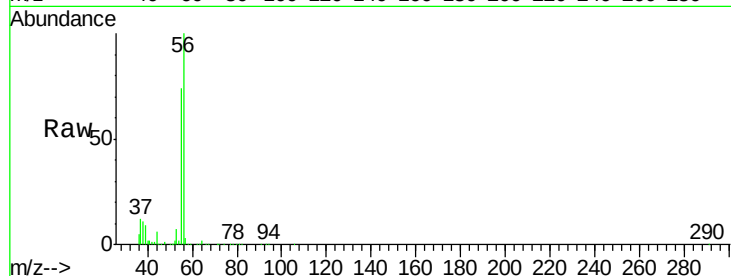
55 72.2 57.0 85.4

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 50.934 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

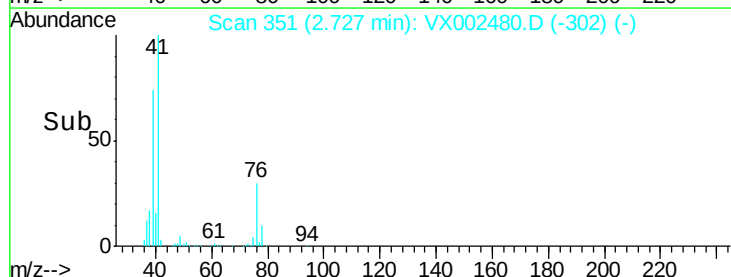
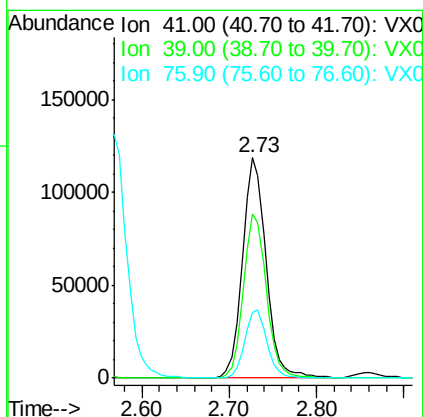
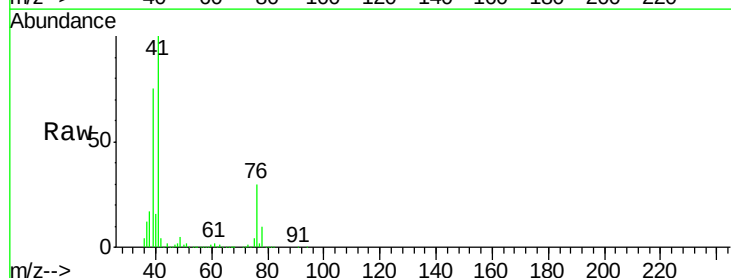
Tgt Ion: 41 Resp: 221766

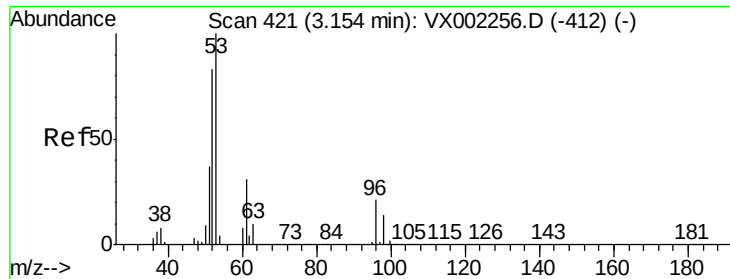
Ion Ratio Lower Upper

41 100

39 72.5 56.8 85.2

76 29.3 23.8 35.8





#15

Acrylonitrile

Concen: 322.175 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

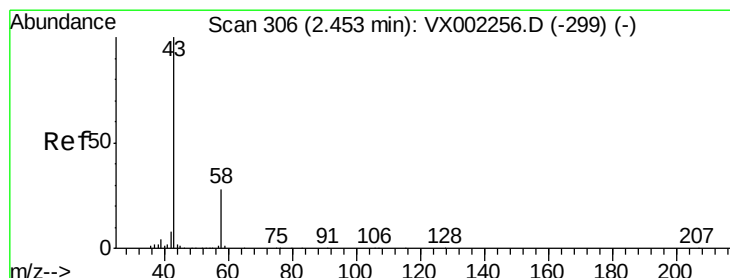
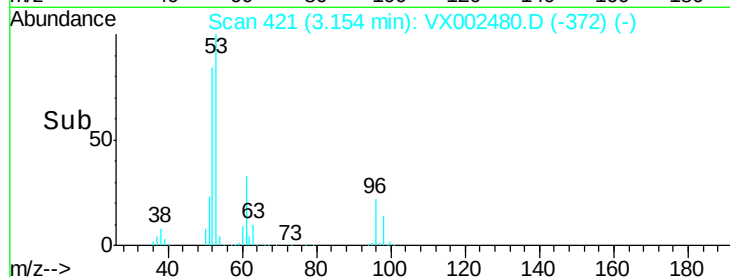
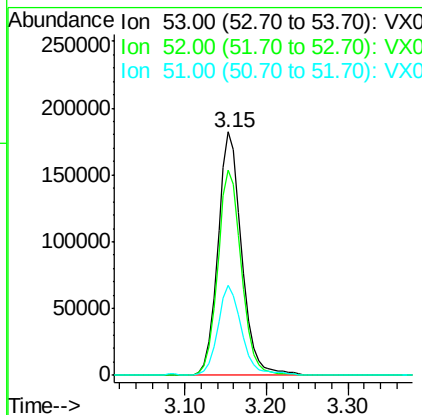
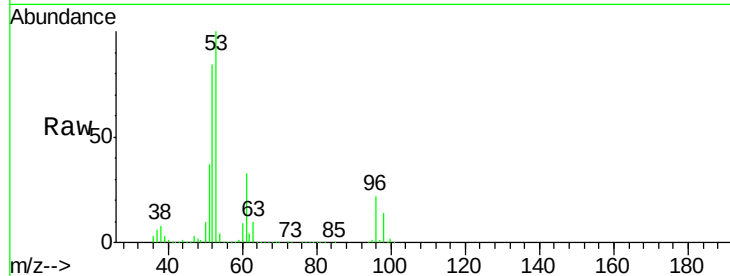
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	366327
Ion Ratio		Lower	Upper
53	100		
52	84.0	66.7	100.1
51	37.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 297.599 ug/l

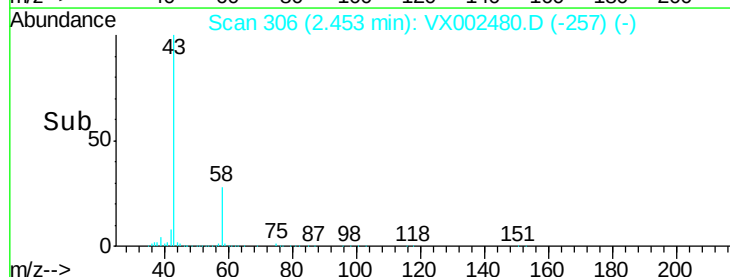
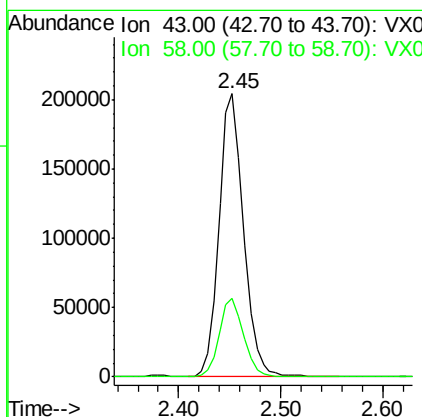
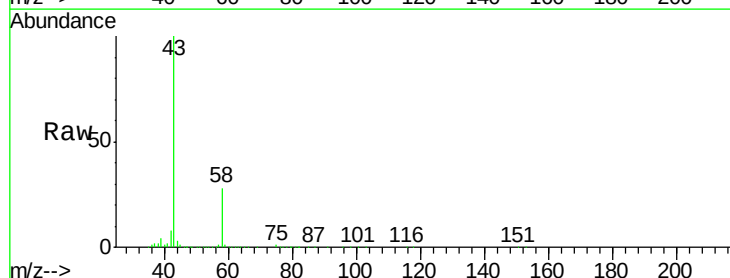
RT: 2.45 min Scan# 306

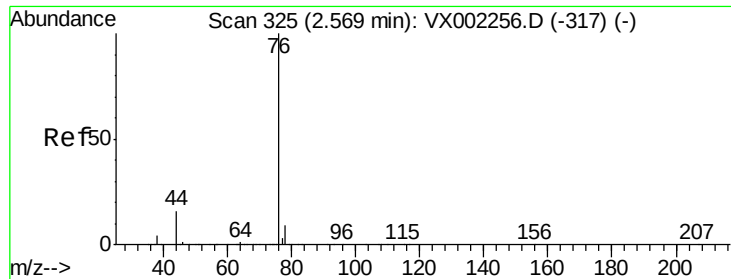
Delta R.T. 0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Tgt Ion:	43	Resp:	340706
Ion Ratio		Lower	Upper
43	100		
58	27.8	22.1	33.1





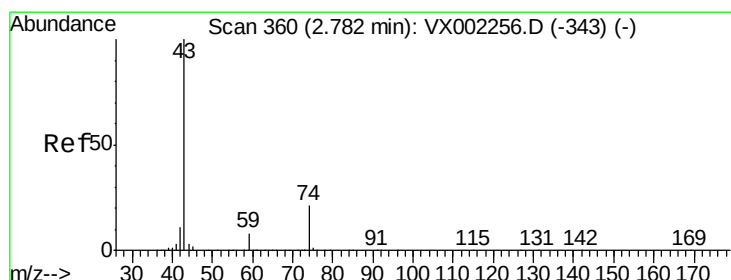
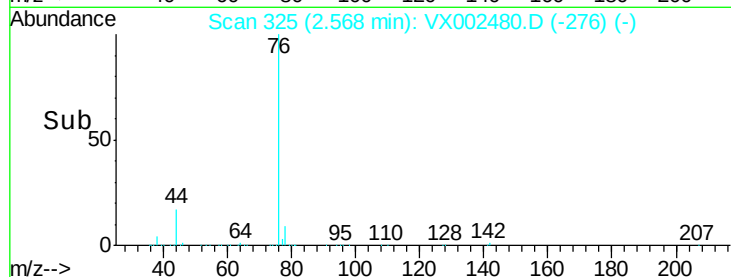
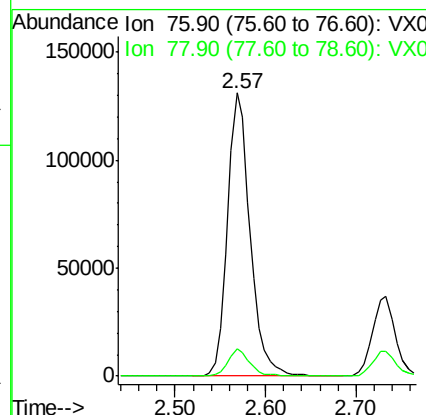
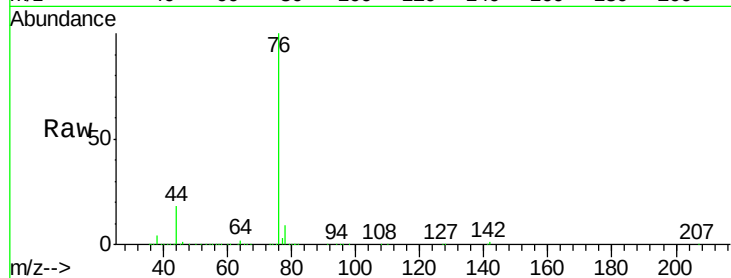
#17
Carbon Disulfide
Concen: 43.024 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
76	100	227506		
78	9.4		6.9	10.3

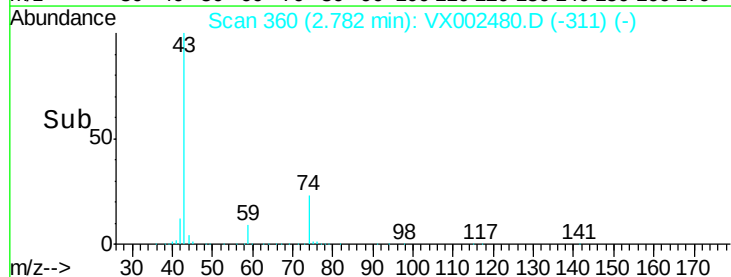
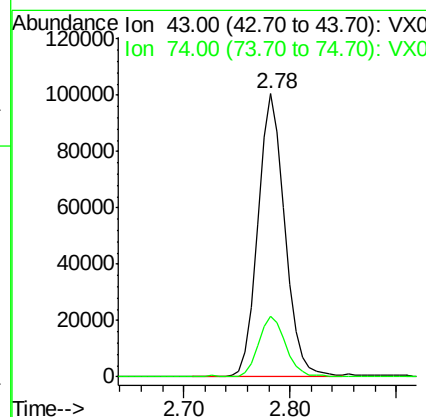
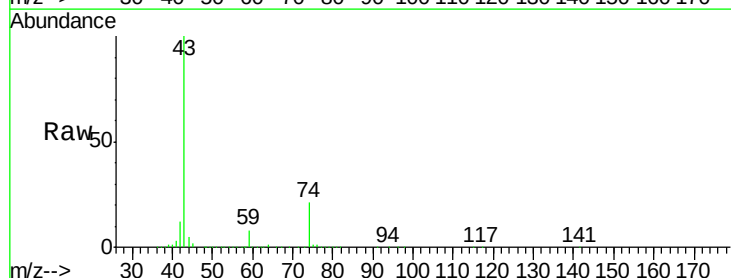
Manual Integrations
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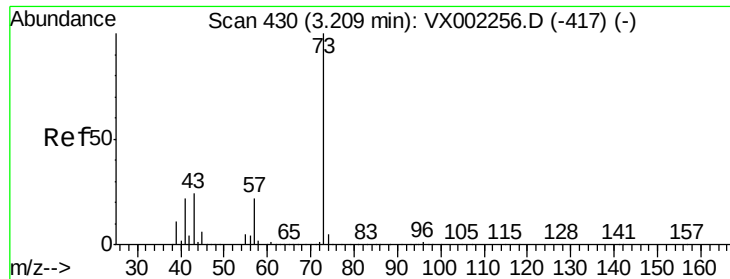
MMDadoda
6/13/2018 1:59:37 PM



#18
Methyl Acetate
Concen: 66.878 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	178105		
74	21.8		16.7	25.1





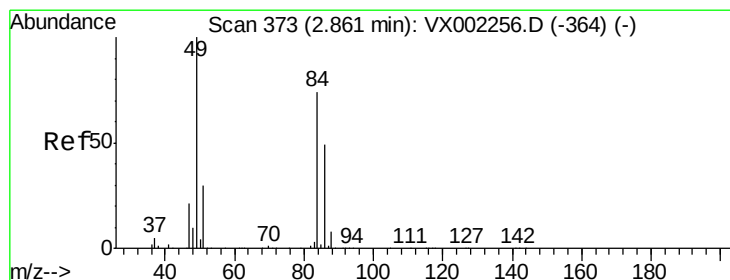
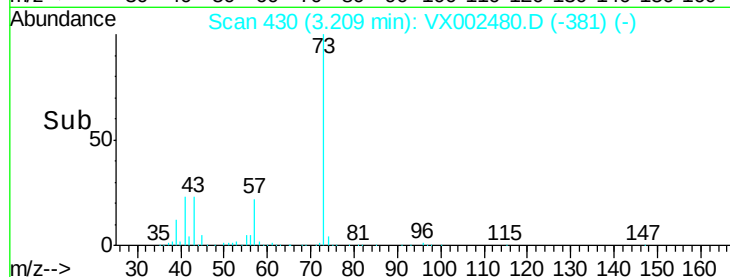
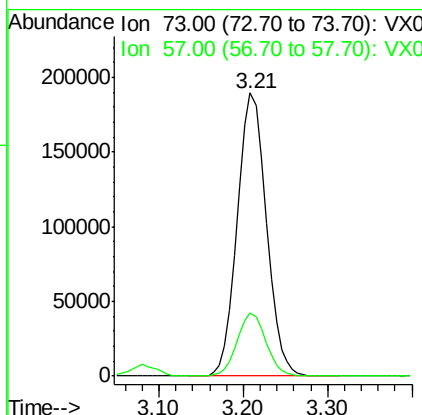
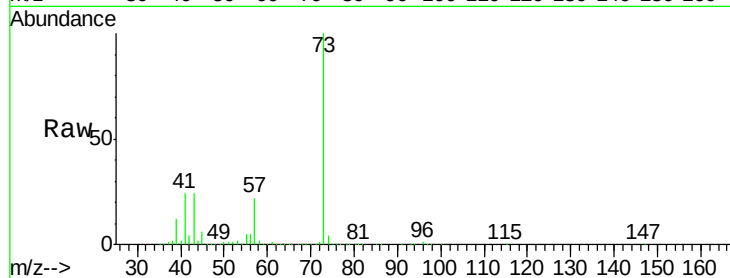
#19
Methyl tert-butyl Ether
Concen: 63.978 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

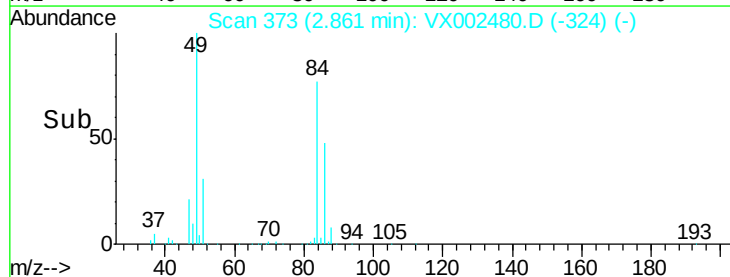
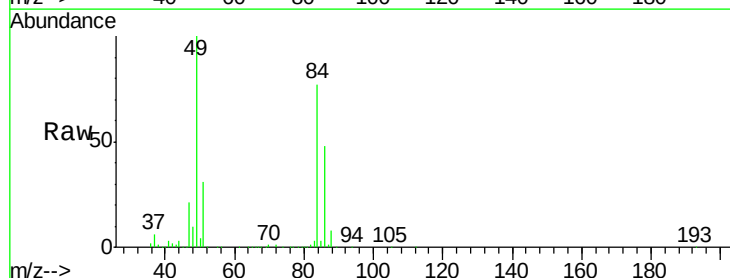
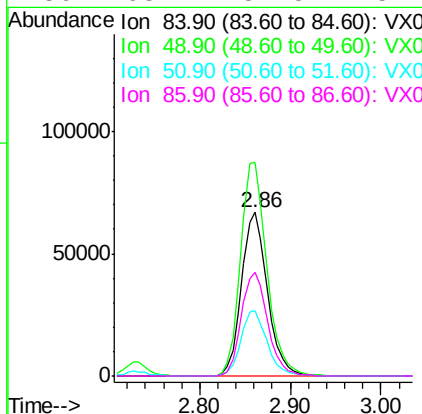
Manual Integrations
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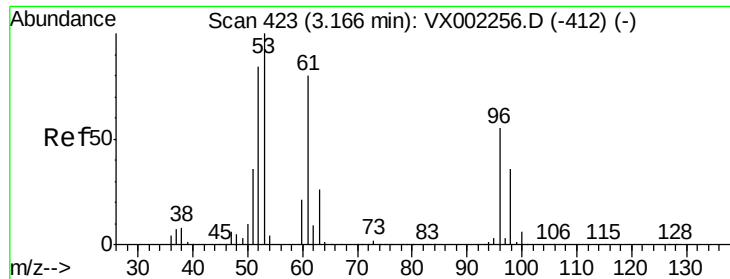
MMDadoda
6/13/2018 1:59:37 PM



#20
Methylene Chloride
Concen: 62.927 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.3	107.8	161.6
51	39.9	32.8	49.2
86	63.2	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 52.380 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 115890

Ion Ratio Lower Upper

96 100

61 141.2 117.0 175.4

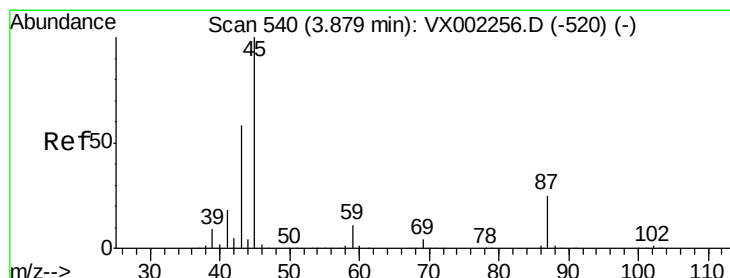
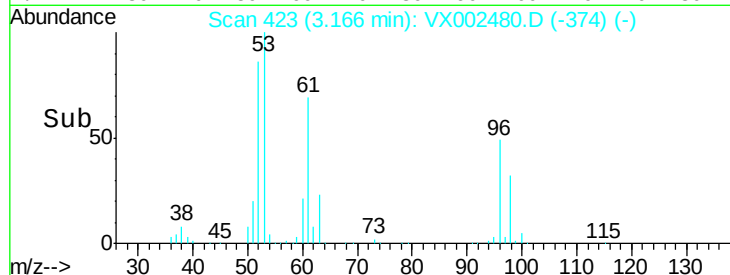
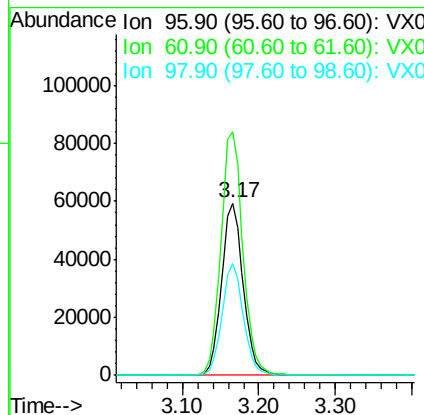
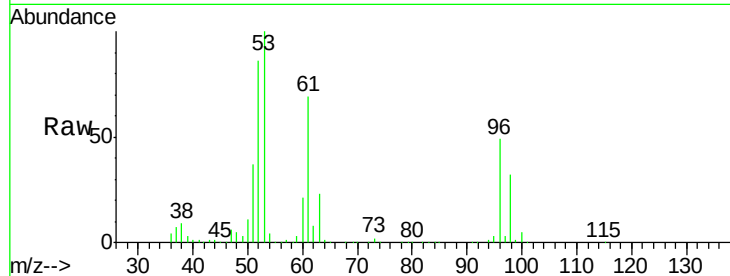
98 65.2 52.4 78.6

Manual Integrations

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MMDadoda

6/13/2018 1:59:37 PM



#22

Diisopropyl ether

Concen: 56.261 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Tgt Ion: 45 Resp: 407880

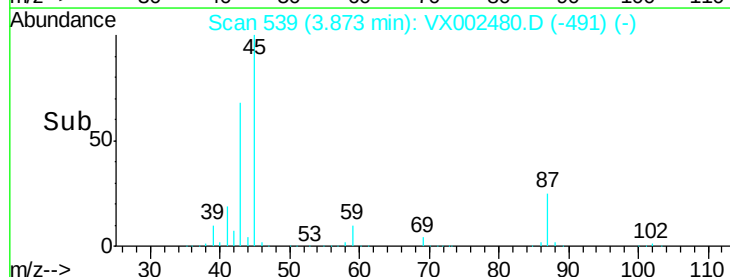
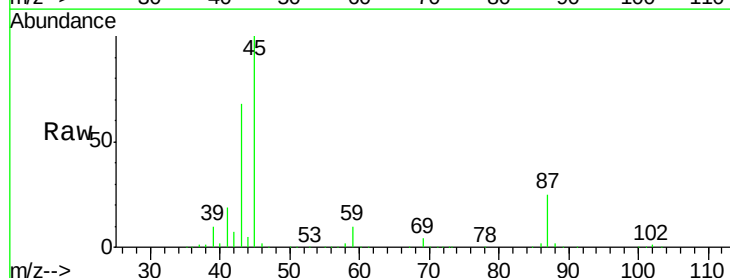
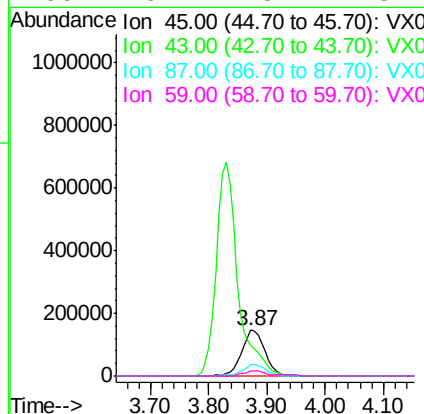
Ion Ratio Lower Upper

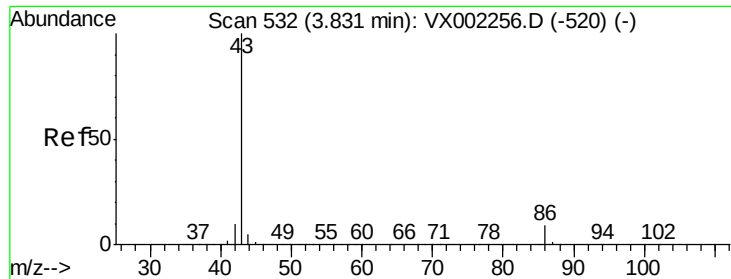
45 100

43 68.2 46.8 70.2

87 24.6 20.2 30.4

59 10.1 8.7 13.1





#23

Vinyl Acetate

Concen: 248.760 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1755821

Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.4	11.0

43 100

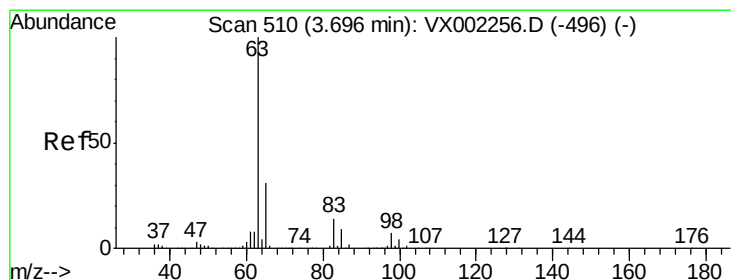
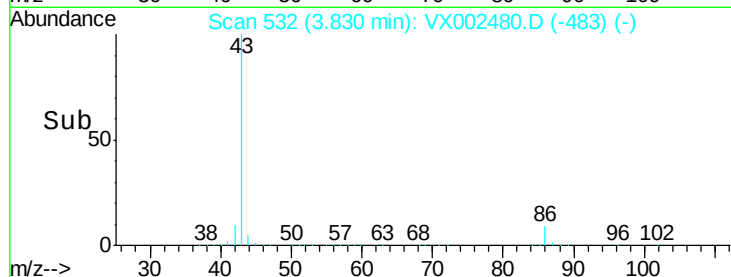
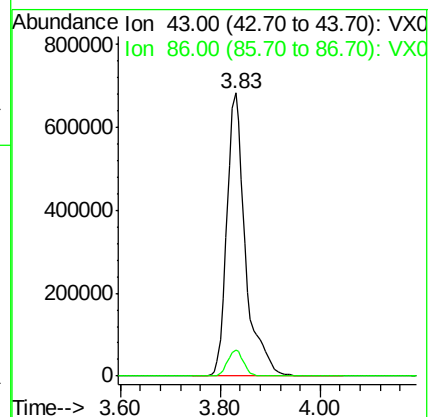
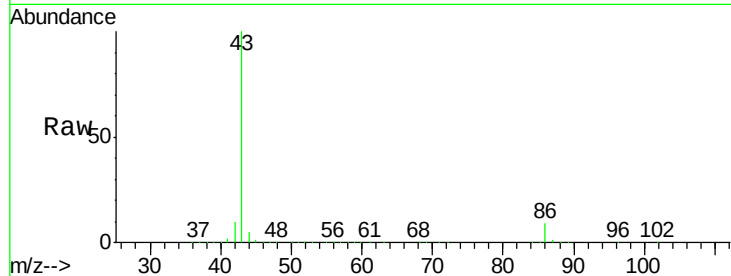
86 9.1 7.4 11.0

Manual Integrations

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MMDadoda

6/13/2018 1:59:37 PM



#24

1,1-Dichloroethane

Concen: 53.927 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

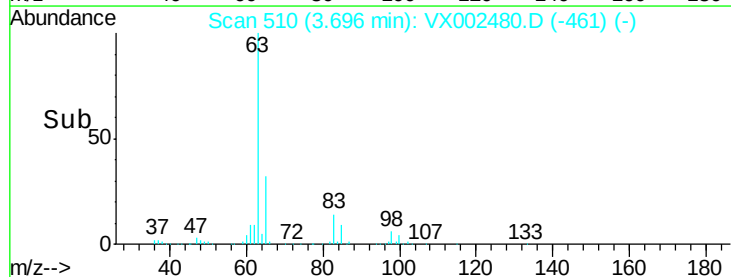
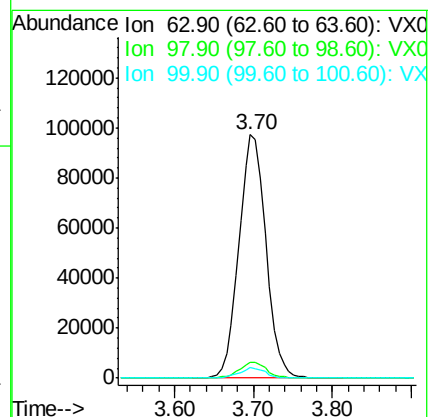
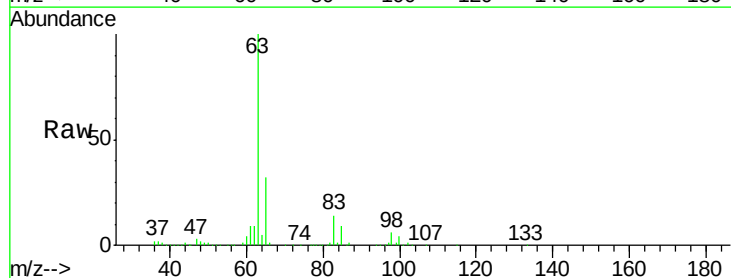
Tgt Ion: 63 Resp: 232064

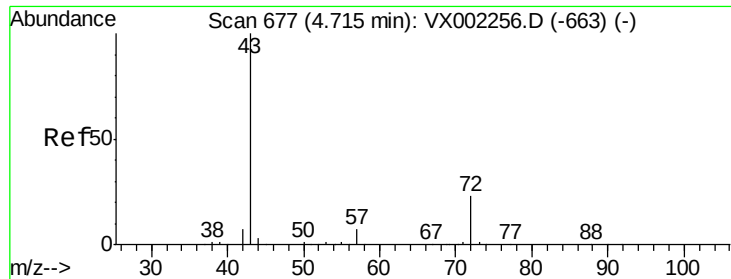
Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.4	10.2
100	4.1	2.0	6.0

63 100

98 6.3 3.4 10.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 247.382 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 457128

Ion Ratio Lower Upper

43 100

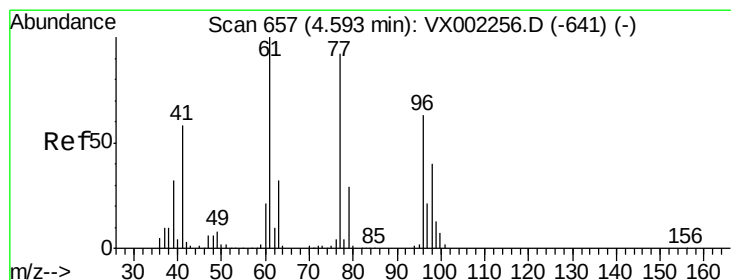
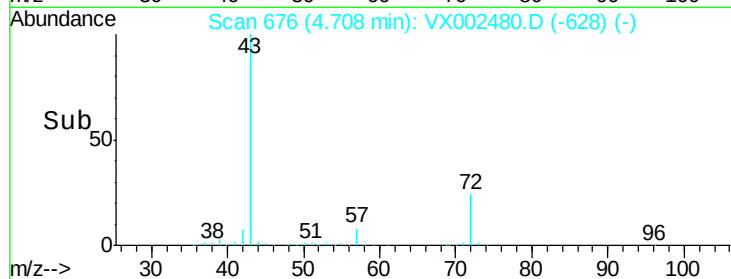
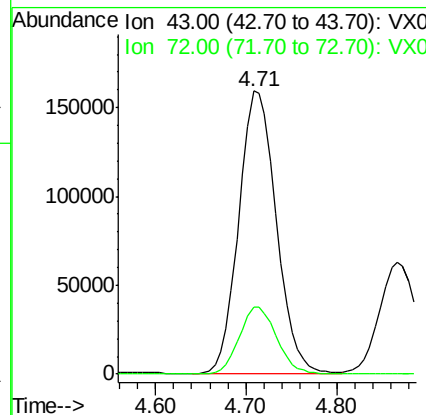
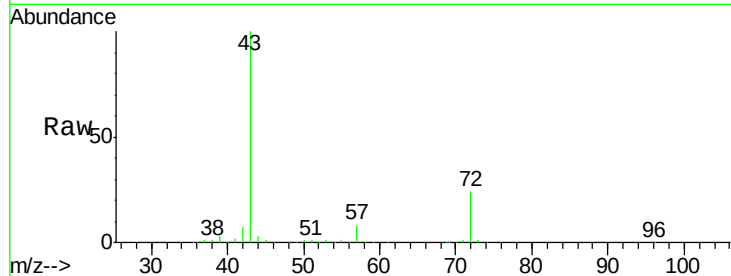
72 23.5 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

6/13/2018 1:59:37 PM



#26

2,2-Dichloropropane

Concen: 39.020 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002480.D

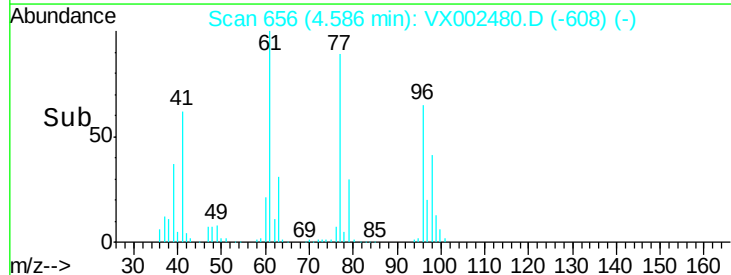
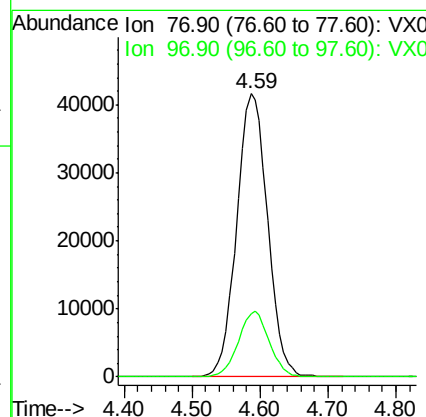
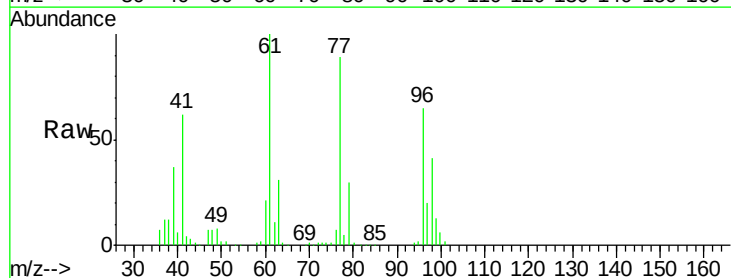
Acq: 12 Jun 2018 21:18

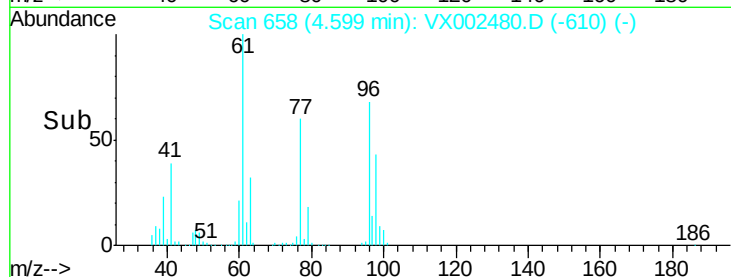
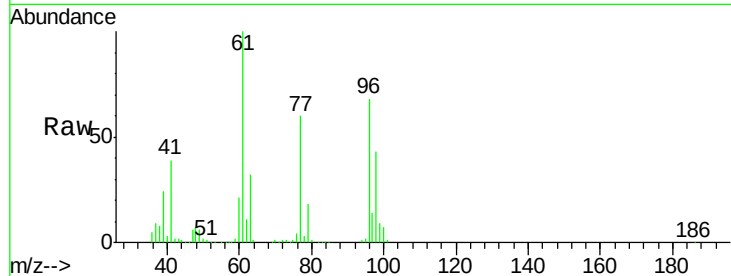
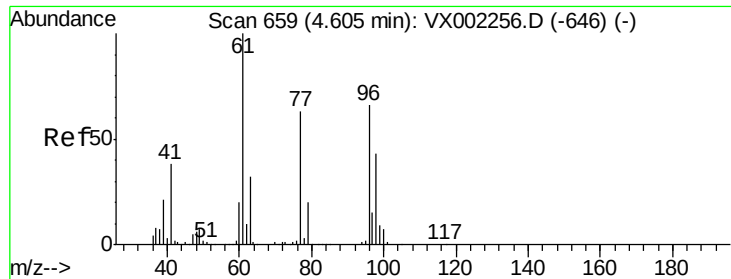
Tgt Ion: 77 Resp: 131256

Ion Ratio Lower Upper

77 100

97 23.1 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 49.812 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002480.D

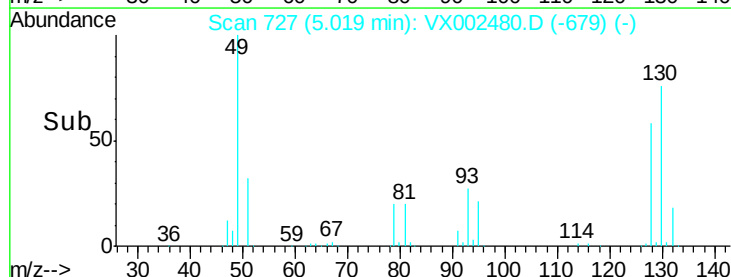
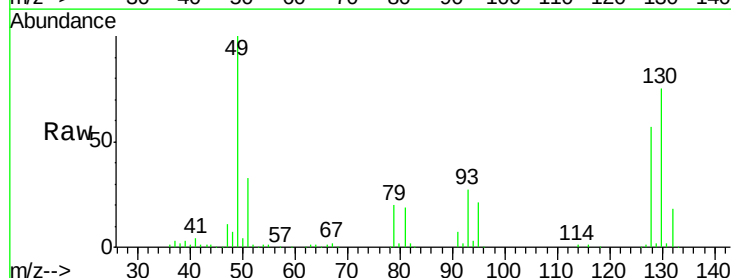
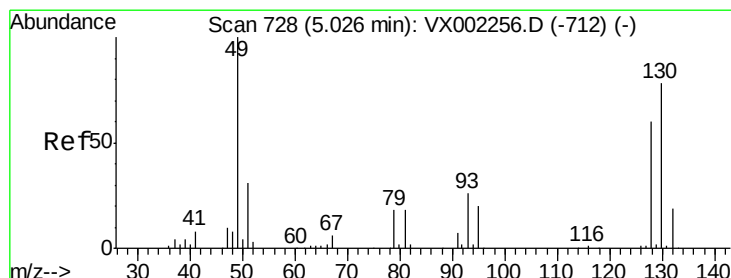
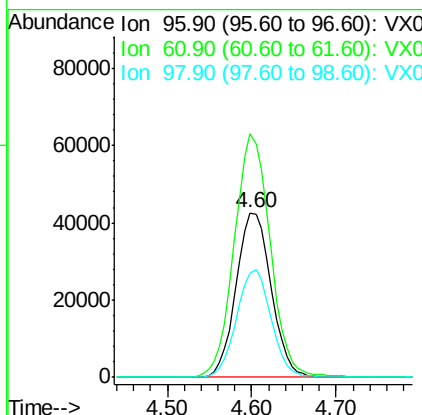
Acq: 12 Jun 2018 21:18

Tot Ion	Ratio	Resp	Lower	Upper
96	100	119855		
61	152.1	0.0	330.2	
98	64.6	0.0	130.2	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#28

Bromochloromethane

Concen: 59.051 ug/l

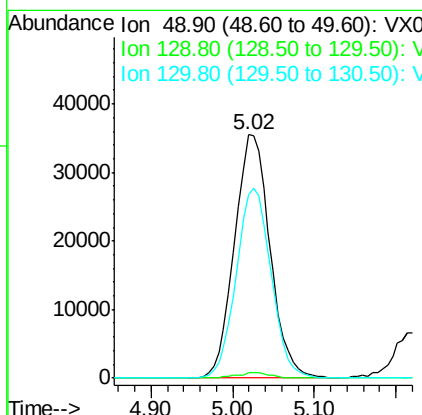
RT: 5.02 min Scan# 727

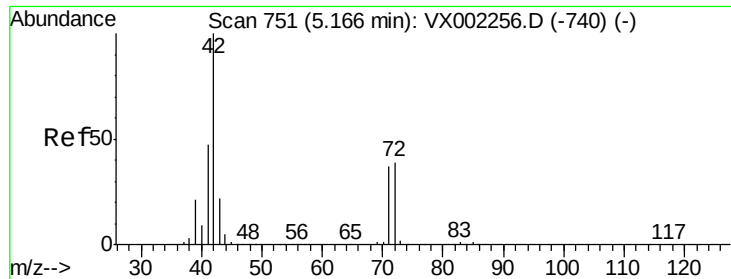
Delta R.T. -0.01 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	106896		
129	2.1	0.0	4.2	
130	77.1	61.2	91.8	





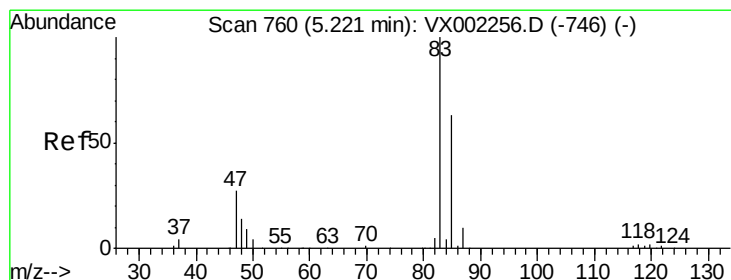
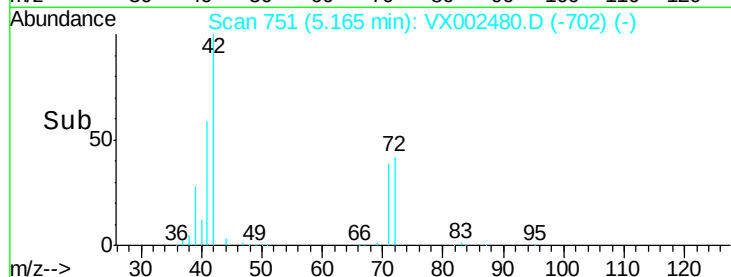
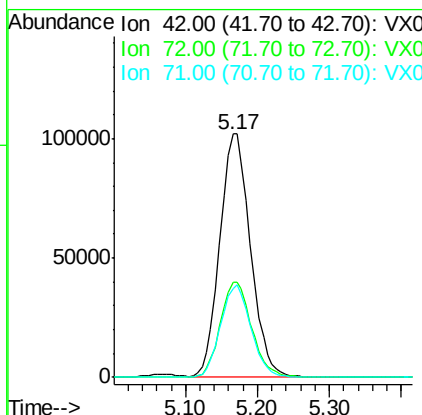
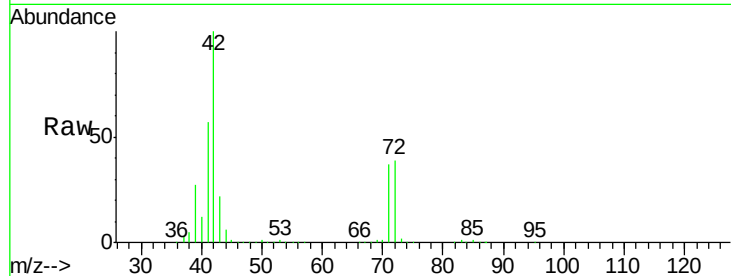
#29
Tetrahydrofuran
Concen: 252.946 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.0	48.0
71	37.9	30.1	45.1

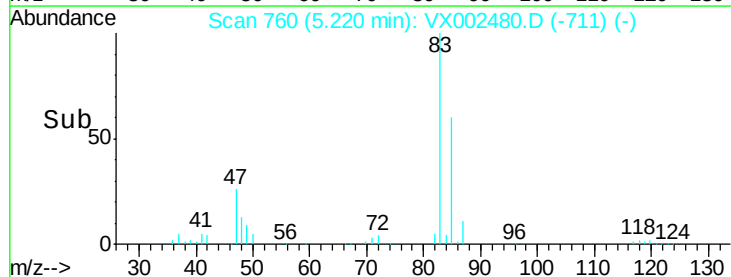
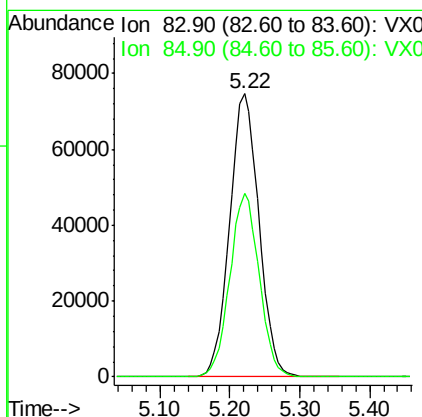
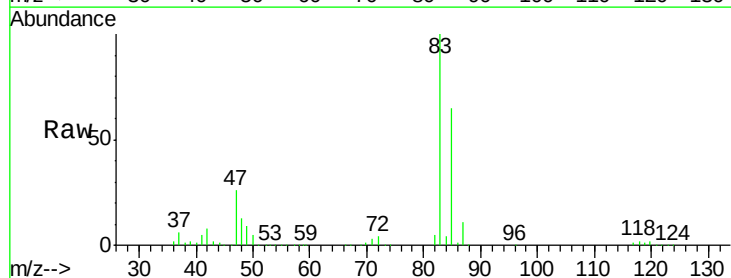
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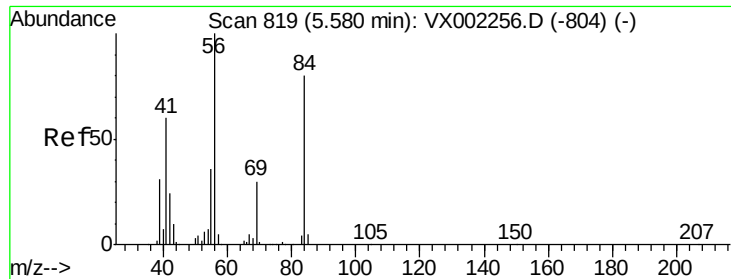
MMDadoda
6/13/2018 1:59:37 PM



#30
Chloroform
Concen: 52.432 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.4	75.6





#31

Cyclohexane

Concen: 44.950 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

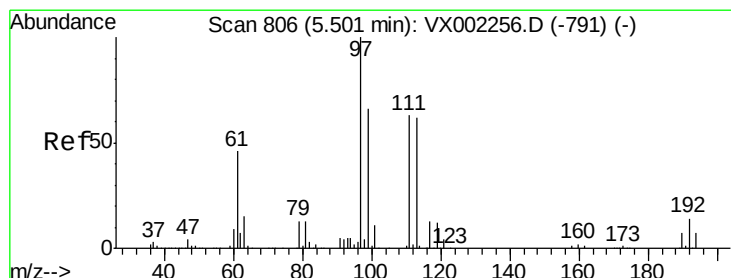
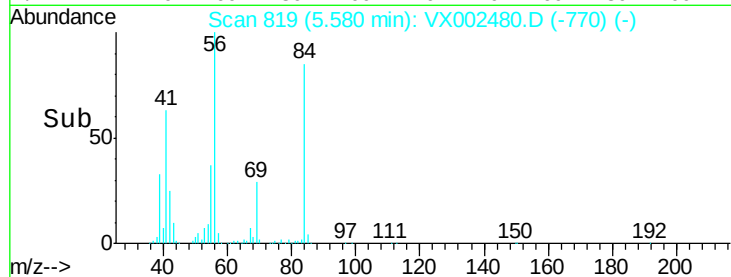
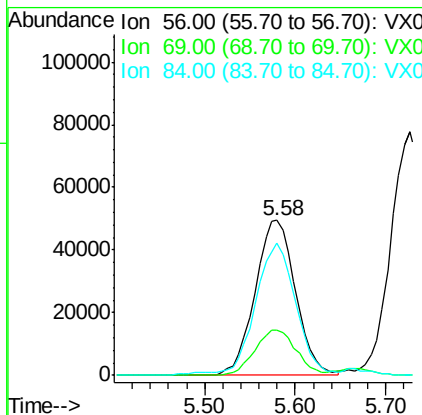
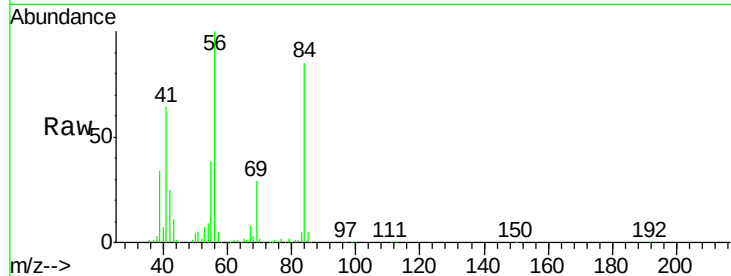
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	152959
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.7	35.5
84	83.5	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.655 ug/l

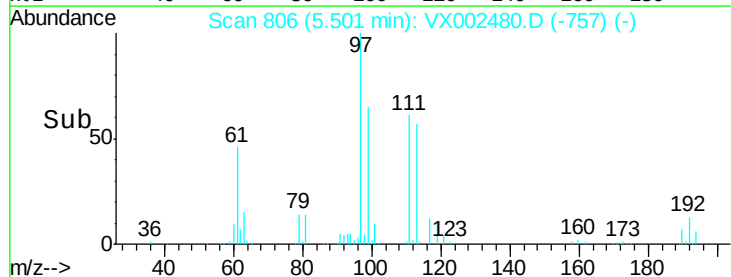
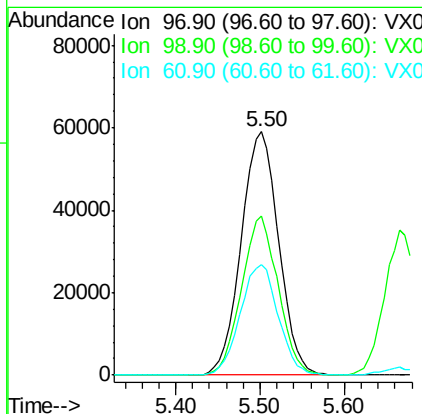
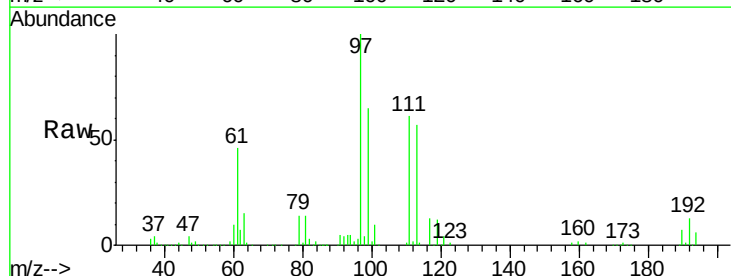
RT: 5.50 min Scan# 806

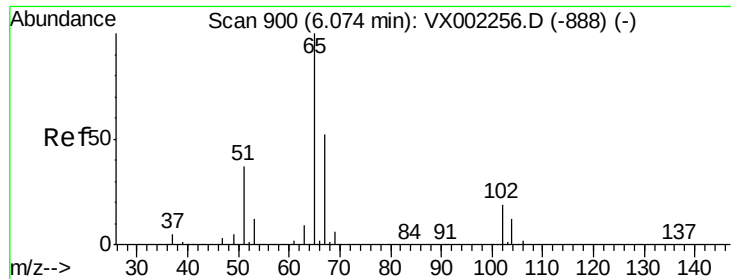
Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Tgt Ion:	97	Resp:	178389
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.6	77.4
61	46.2	36.4	54.6





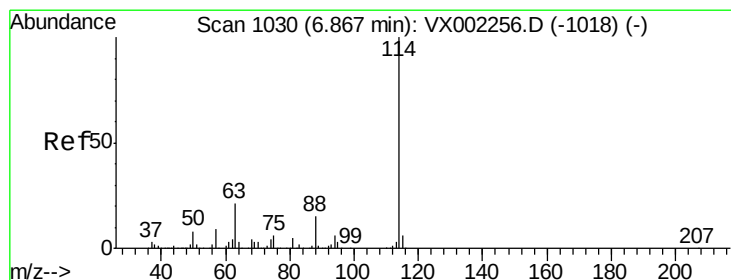
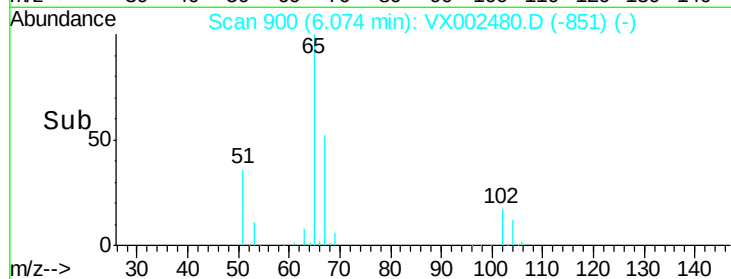
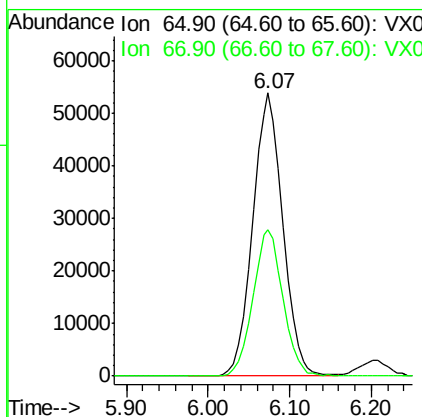
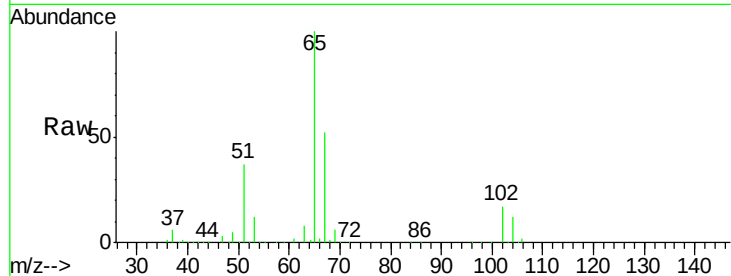
#33
 1,2-Dichloroethane-d4
 Concen: 51.445 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002480.D
 Acq: 12 Jun 2018 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	138374		
67	51.6	0.0	102.6	

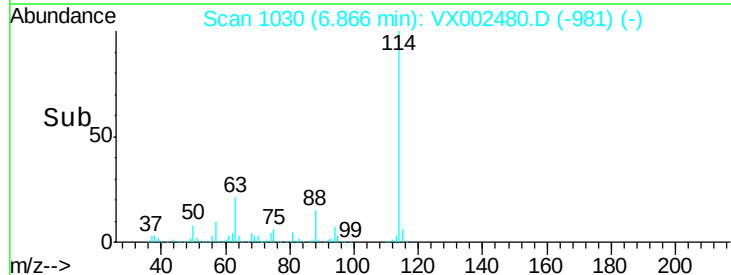
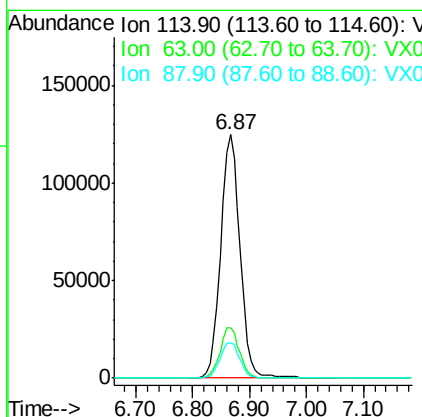
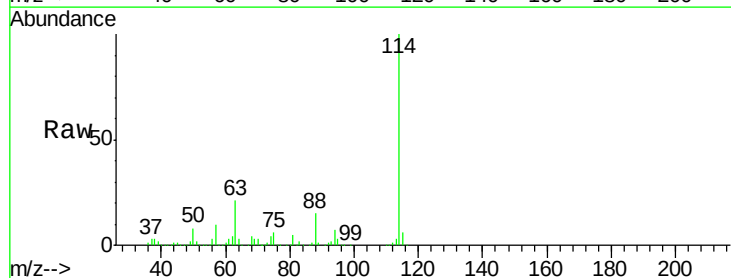
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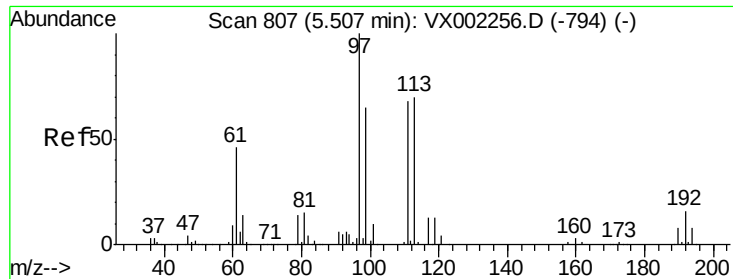
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002480.D
 Acq: 12 Jun 2018 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	293466		
63	20.6	0.0	41.4	
88	14.6	0.0	30.0	





#35

Dibromofluoromethane

Concen: 45.772 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

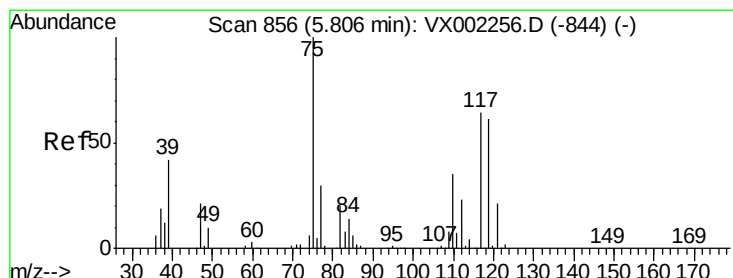
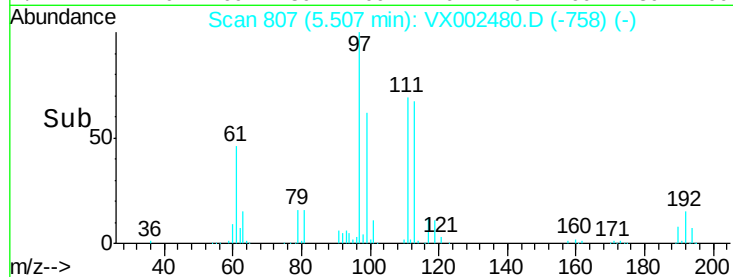
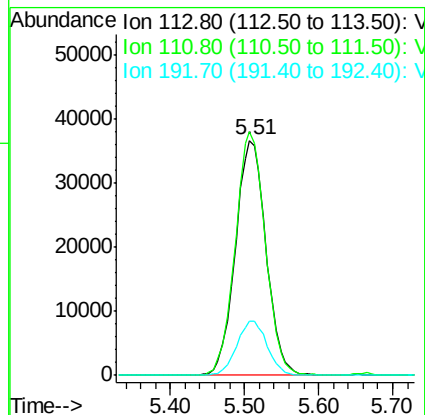
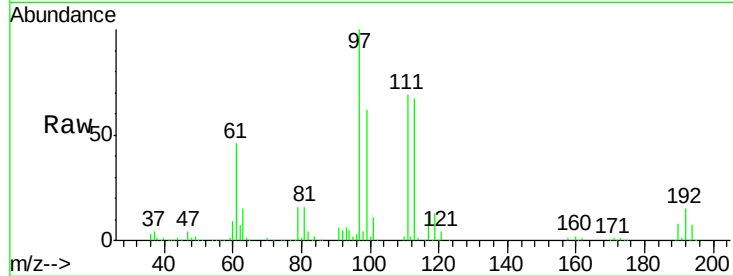
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	105635
Ion Ratio	Lower	Upper	
113	100		
111	101.9	81.4	122.0
192	23.1	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.419 ug/l

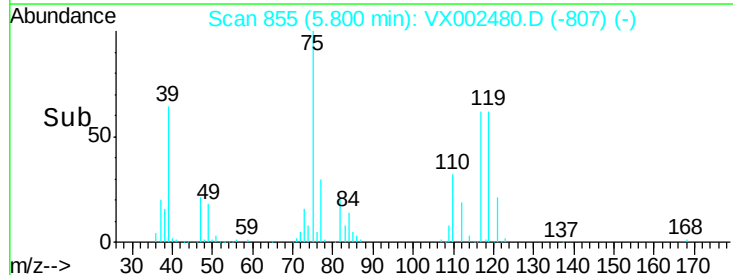
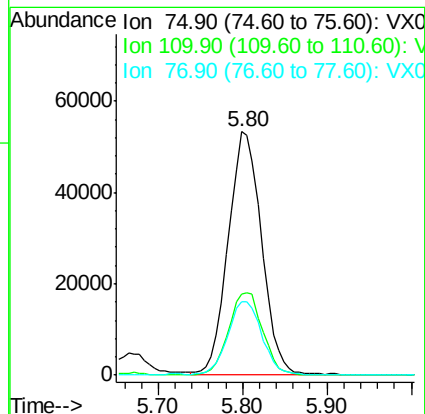
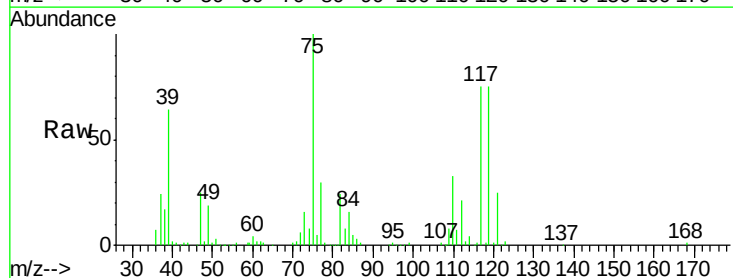
RT: 5.80 min Scan# 855

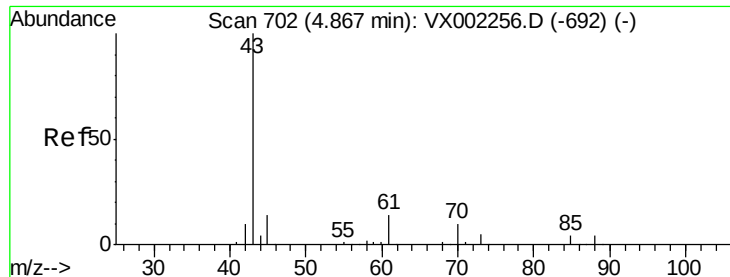
Delta R.T. -0.01 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Tgt Ion:	75	Resp:	143211
Ion Ratio	Lower	Upper	
75	100		
110	34.5	18.1	54.4
77	30.8	24.3	36.5





#37

Ethyl Acetate

Concen: 49.281 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

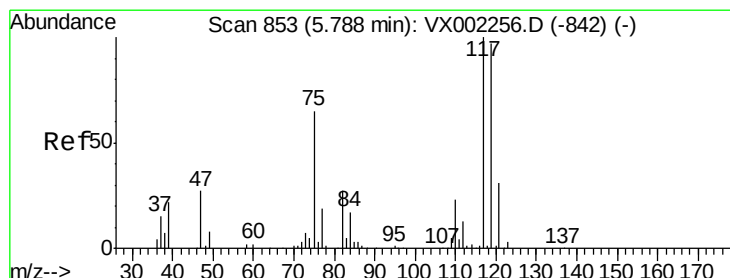
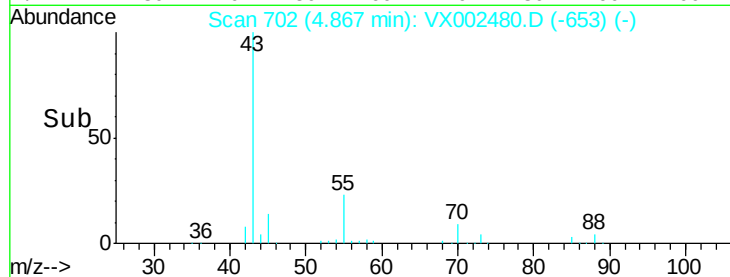
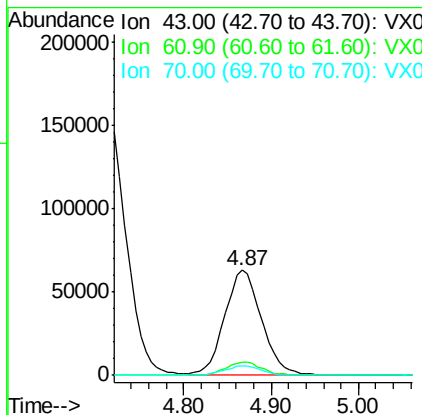
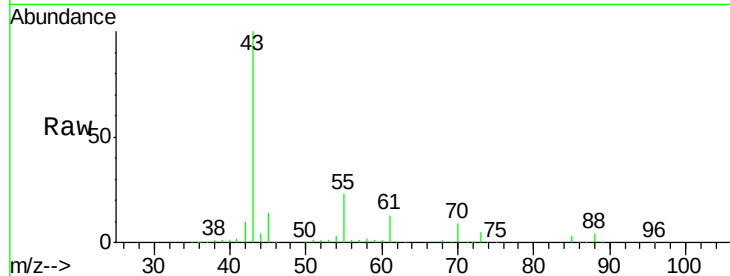
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	182843
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.4	15.6
70	9.3	7.6	11.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 46.629 ug/l

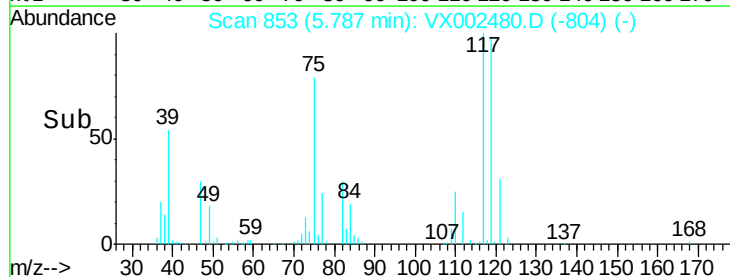
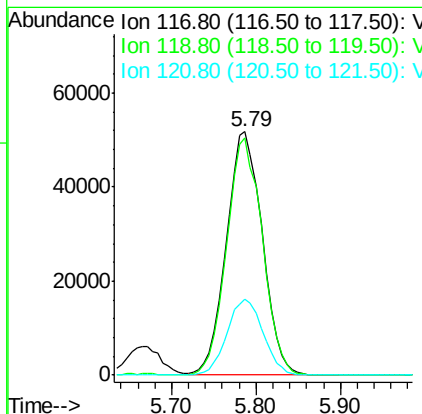
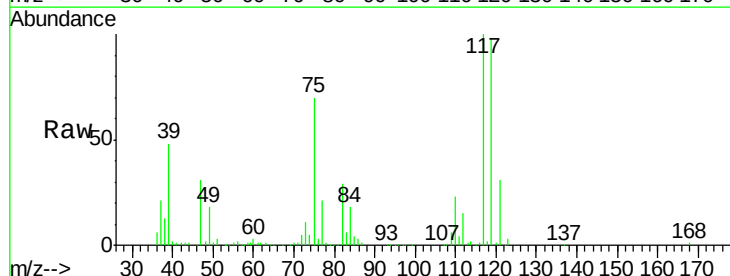
RT: 5.79 min Scan# 853

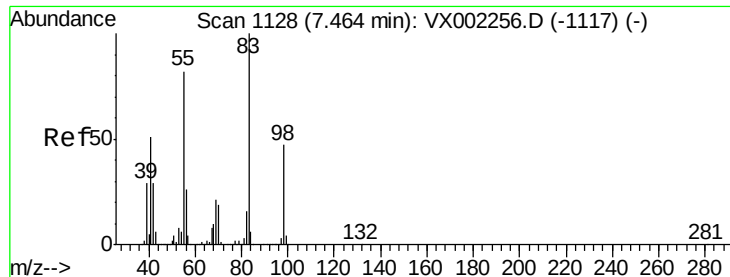
Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Tgt Ion:	117	Resp:	150496
Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.4	116.0
121	31.1	24.4	36.6





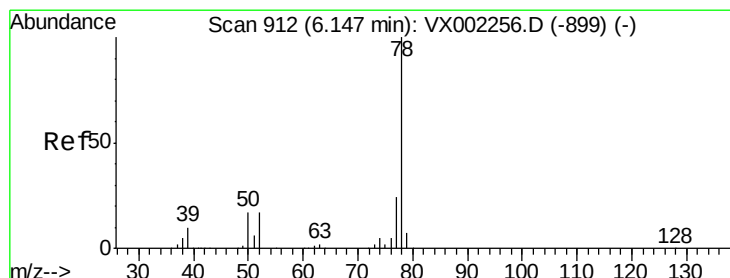
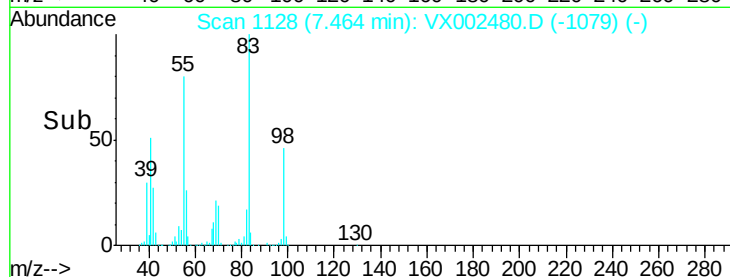
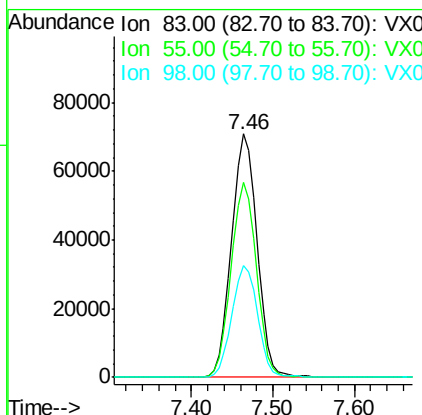
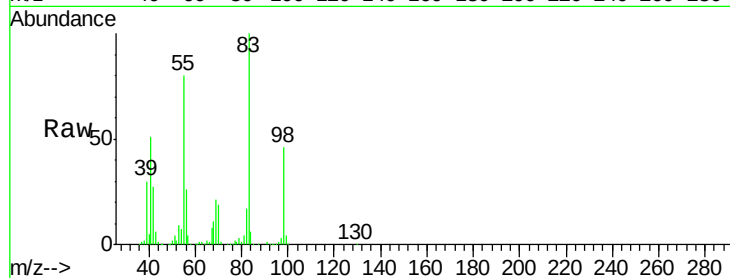
#39
Methylvlcyclohexane
Concen: 40.234 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.2	65.4	98.0	
98	45.9	37.4	56.0	

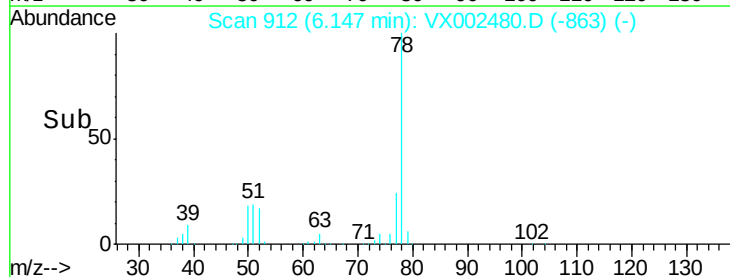
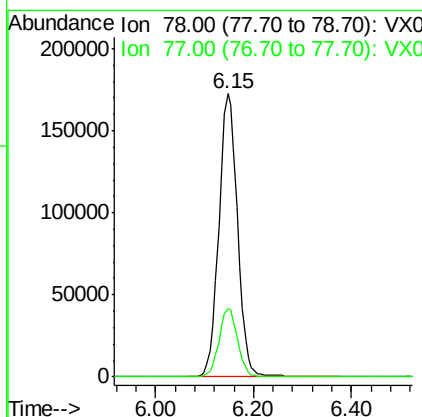
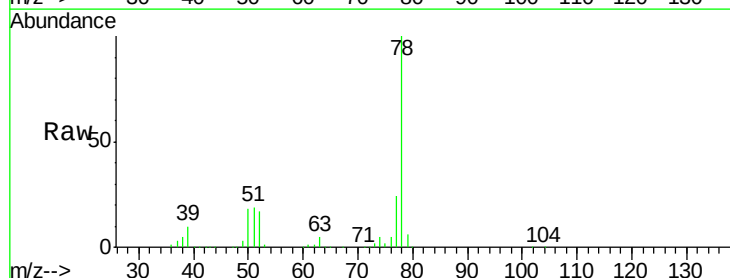
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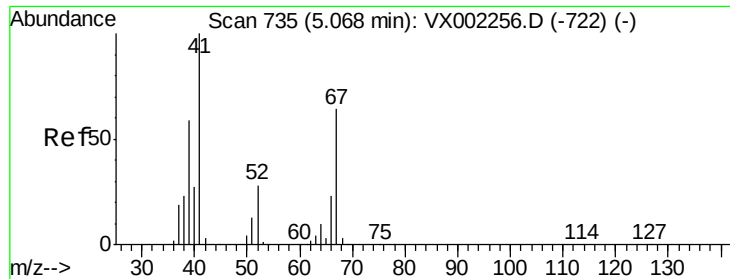
MMDadoda
6/13/2018 1:59:37 PM



#40
Benzene
Concen: 48.089 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.0	19.1	28.7	





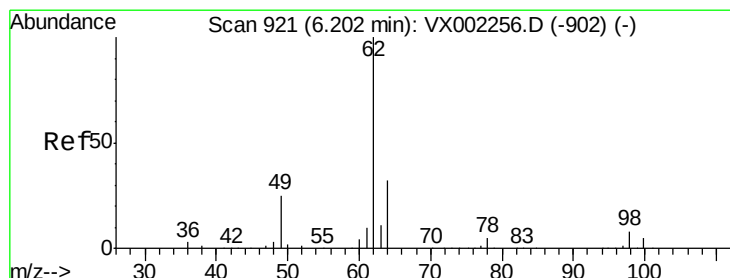
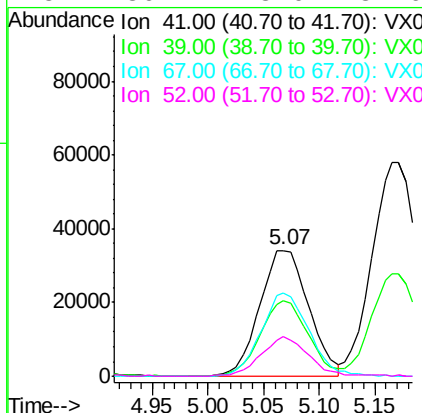
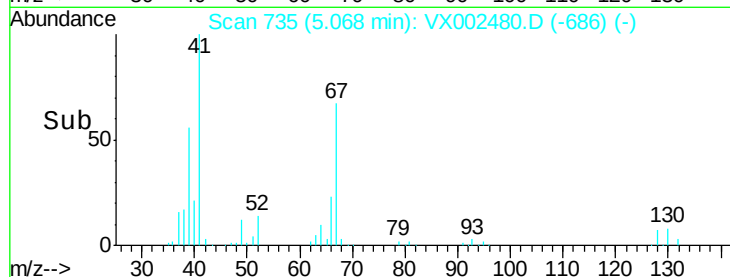
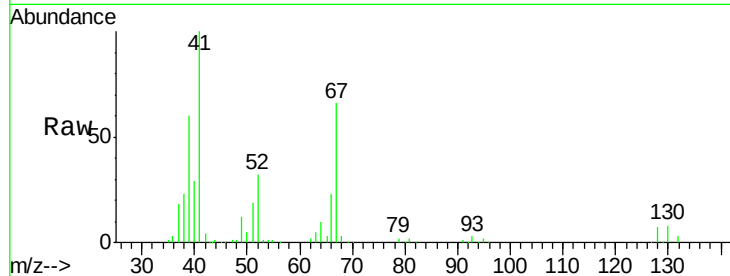
#41
Methacrylonitrile
Concen: 48.871 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.4	45.8	68.6	
67	65.6	51.3	76.9	
52	30.4	23.0	34.6	

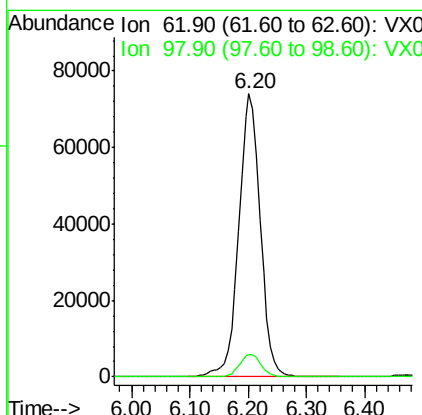
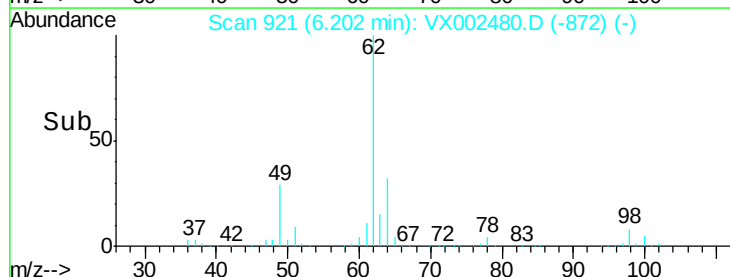
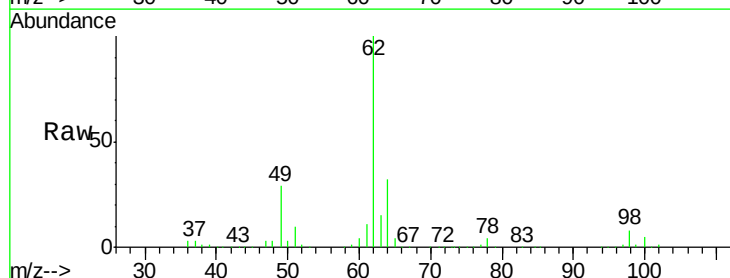
Manual Integrations
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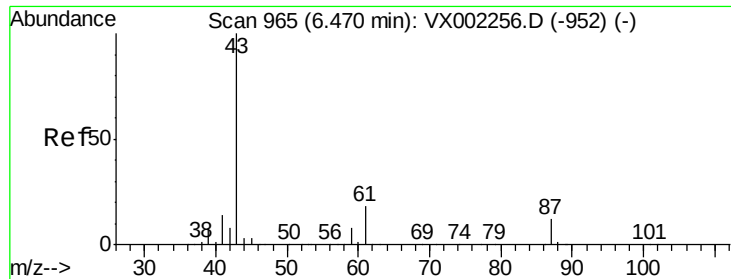
MMDadoda
6/13/2018 1:59:37 PM



#42
1,2-Dichloroethane
Concen: 50.256 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

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





#43

Isopropyl Acetate

Concen: 48.774 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

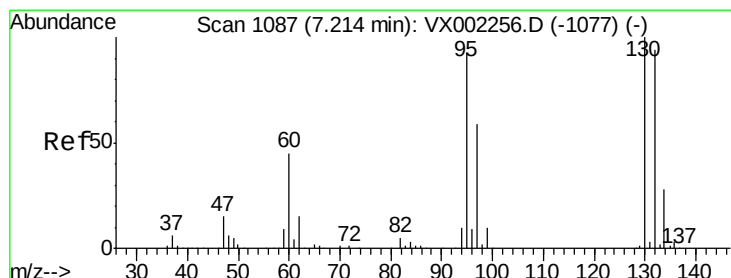
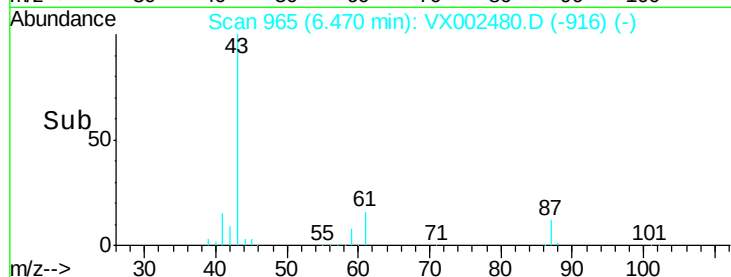
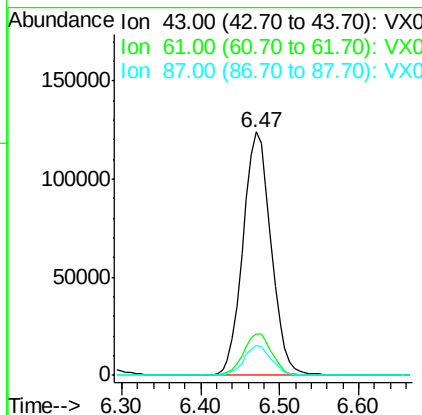
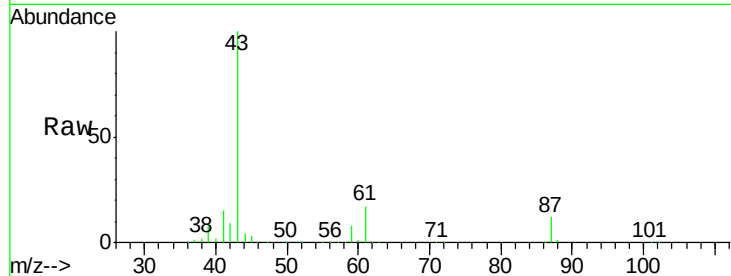
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	307367
Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.4	21.6
87	12.0	9.5	14.3

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#44

Trichloroethene

Concen: 48.439 ug/l

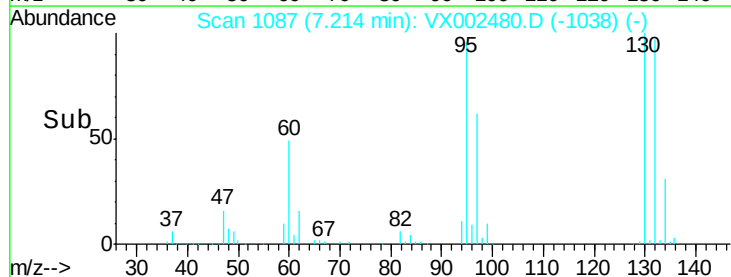
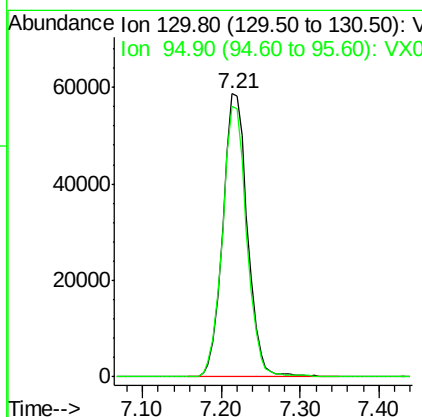
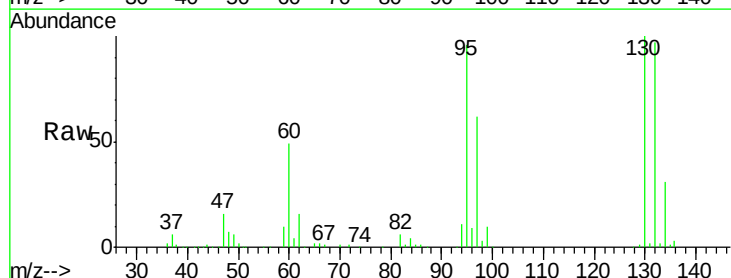
RT: 7.21 min Scan# 1087

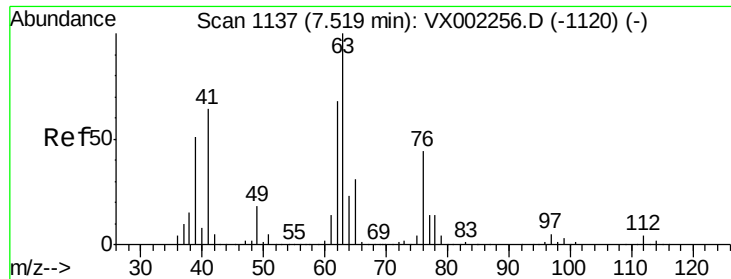
Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Tgt Ion:	130	Resp:	127172
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	185.4





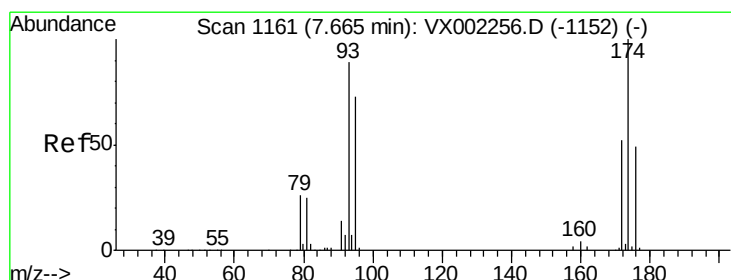
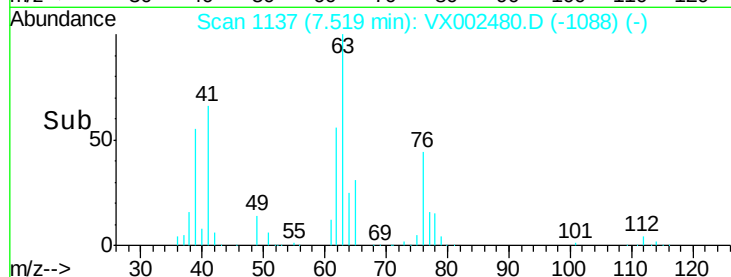
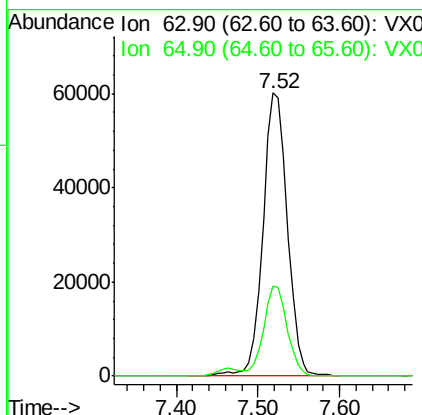
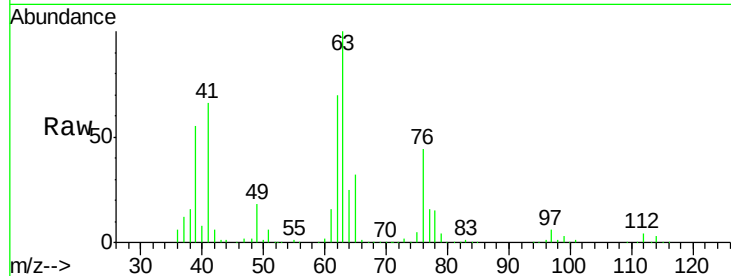
#45
 1,2-Dichloropropane
 Concen: 49.219 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002480.D
 Acq: 12 Jun 2018 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 125695
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.7 37.1

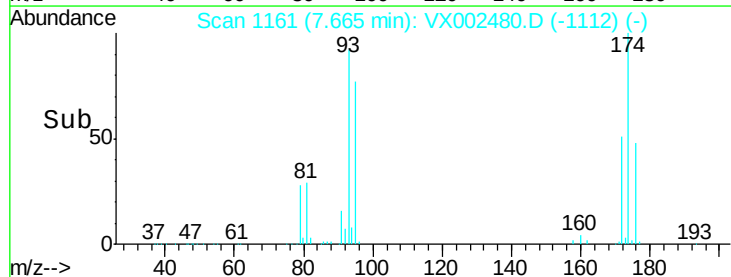
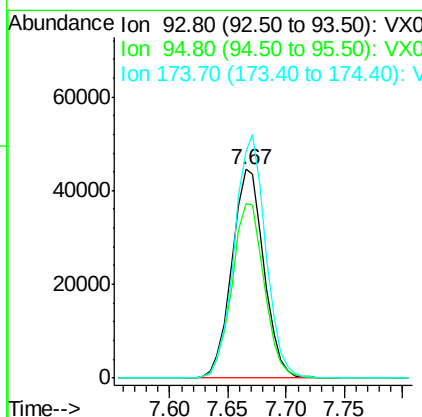
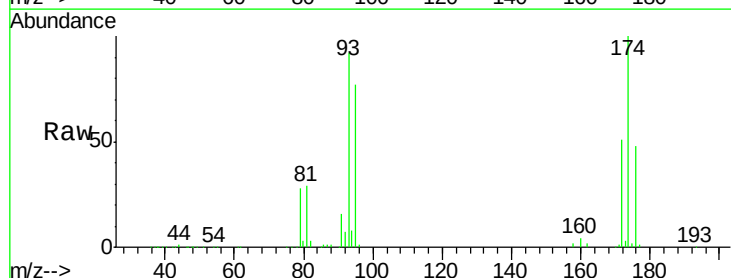
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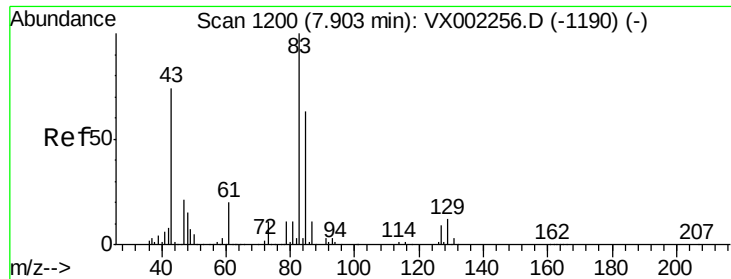
MMDadoda
 6/13/2018 1:59:37 PM



#46
 Dibromomethane
 Concen: 49.458 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002480.D
 Acq: 12 Jun 2018 21:18

Tgt Ion: 93 Resp: 85622
 Ion Ratio Lower Upper
 93 100
 95 84.6 65.9 98.9
 174 113.8 92.4 138.6





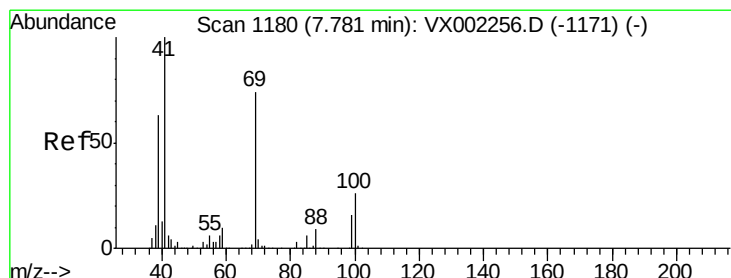
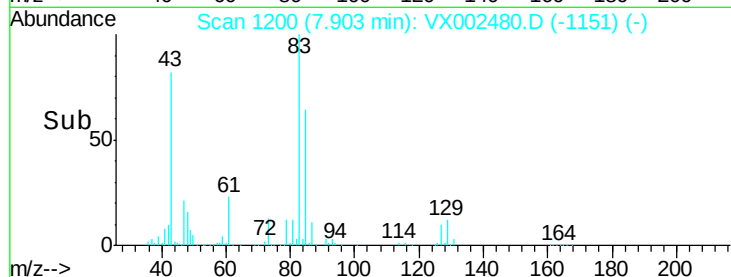
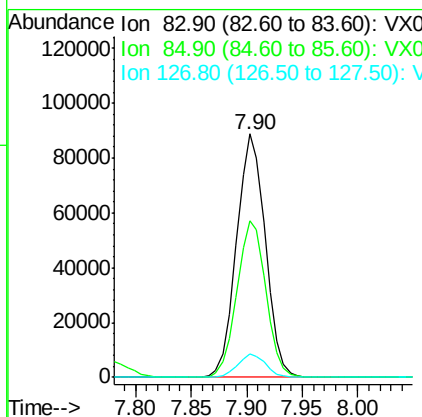
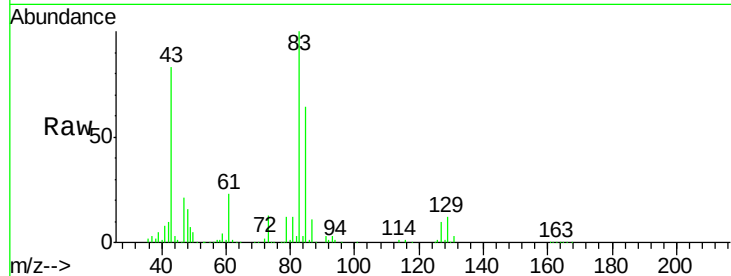
#47
Bromodichloromethane
Concen: 50.830 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.3	75.5
127	9.5	7.0	10.4

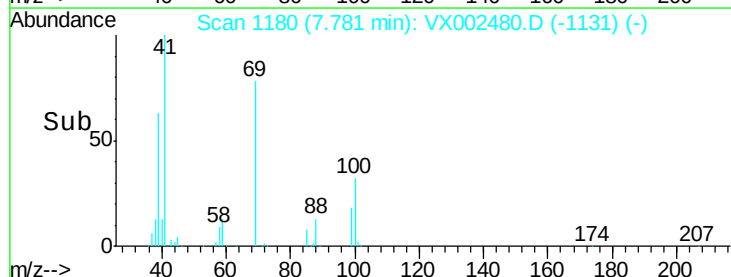
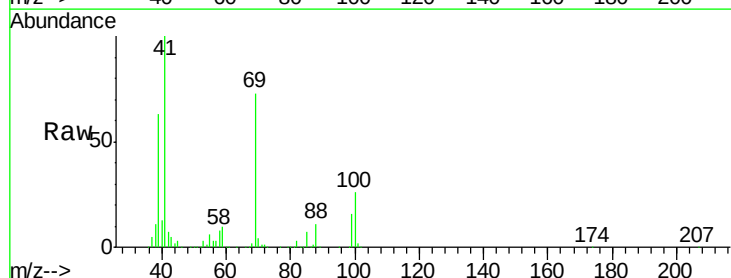
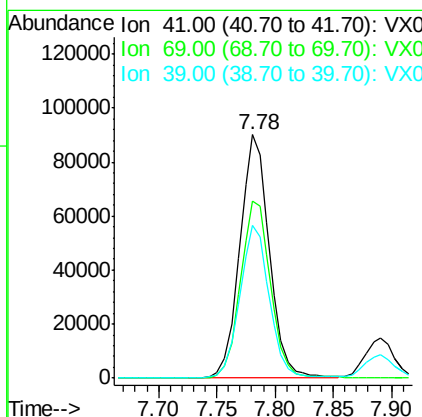
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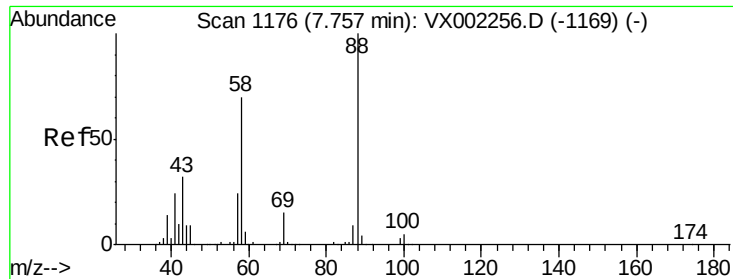
MMDadoda
6/13/2018 1:59:37 PM



#48
Methyl methacrylate
Concen: 50.060 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.7	59.1	88.7
39	62.5	48.9	73.3





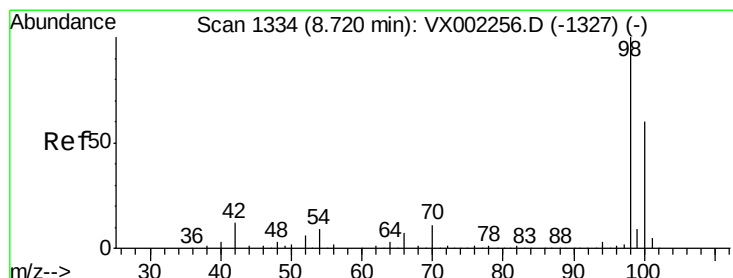
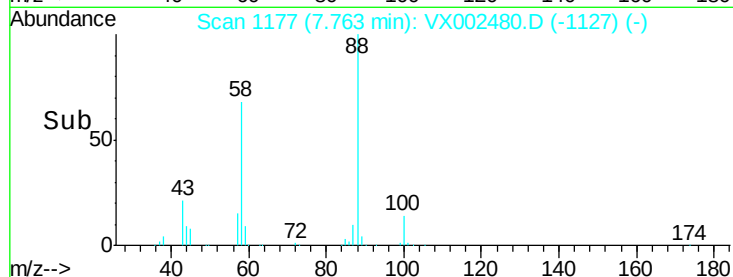
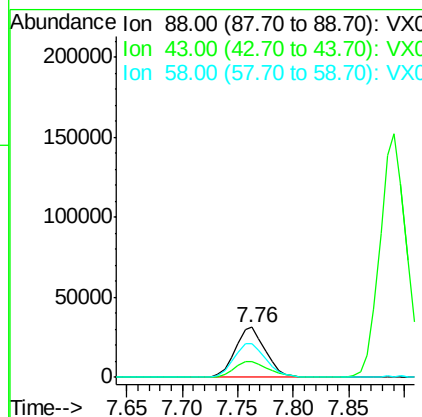
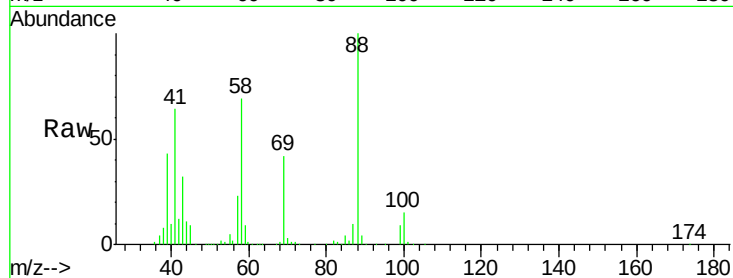
#49
1,4-Dioxane
Concen: 996.984 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	29.8	44.6
58	72.0	57.1	85.7

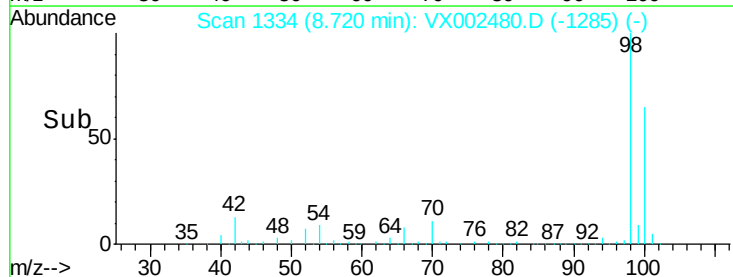
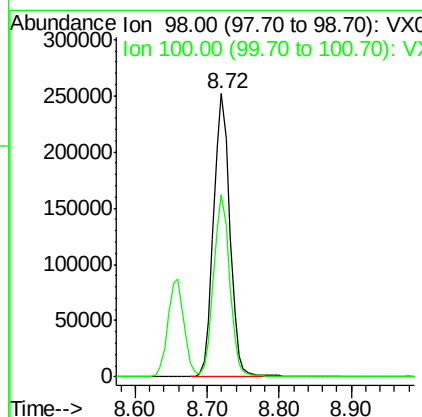
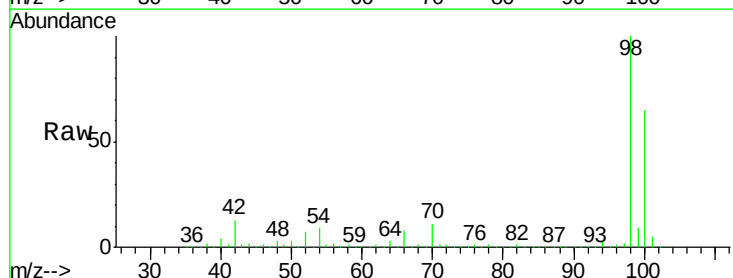
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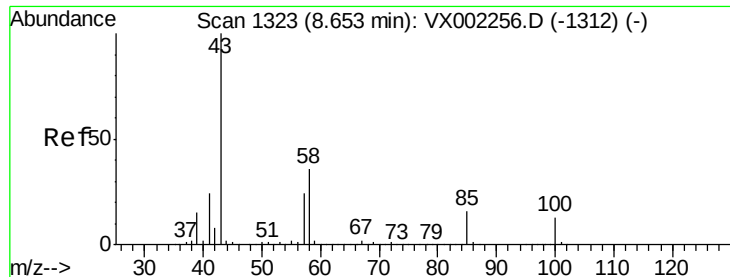
MMDadoda
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#50
Toluene-d8
Concen: 44.598 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.9	76.3





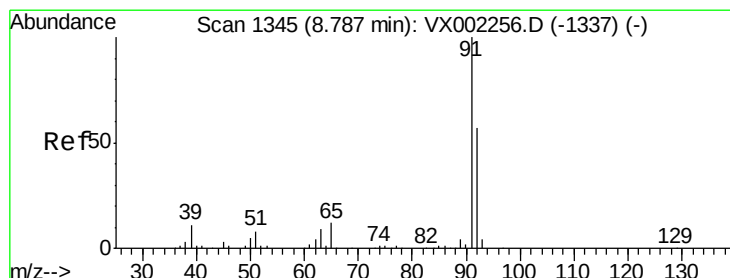
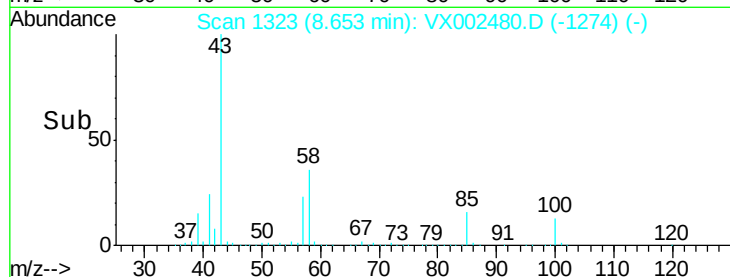
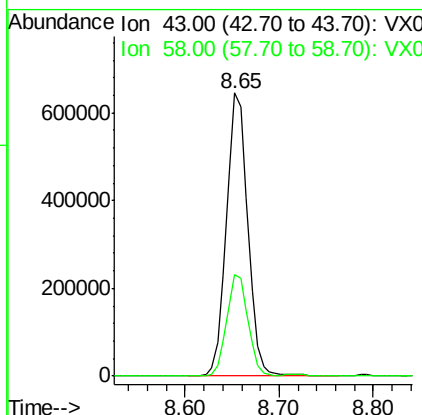
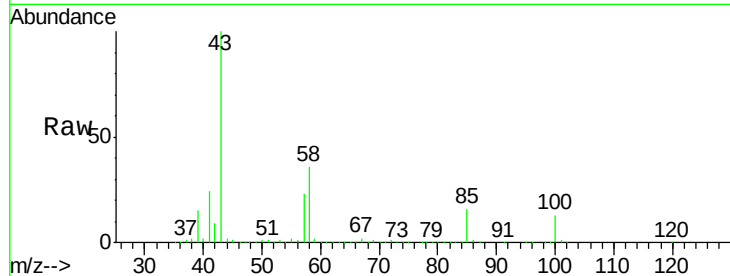
#51
4-Methyl-2-Pentanone
Concen: 259.391 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1017975
Ion Ratio Lower Upper
43 100
58 35.8 28.6 42.8

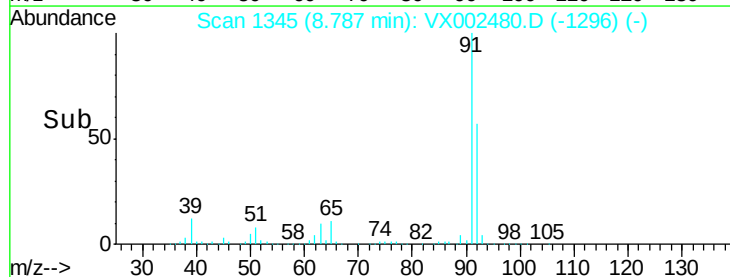
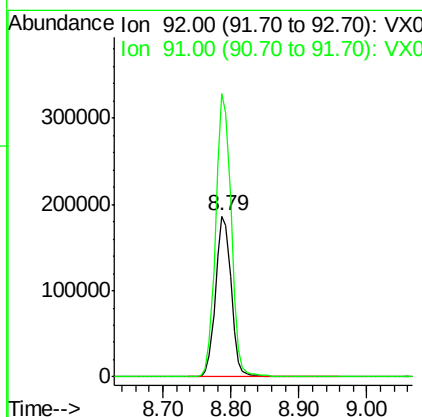
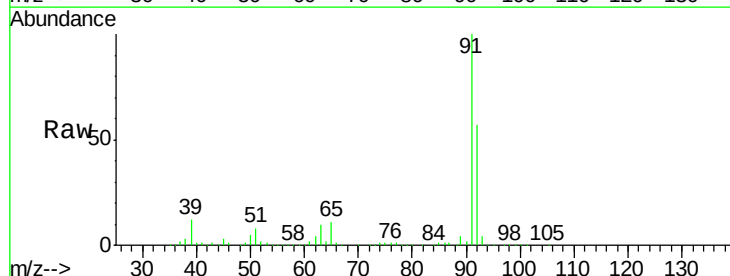
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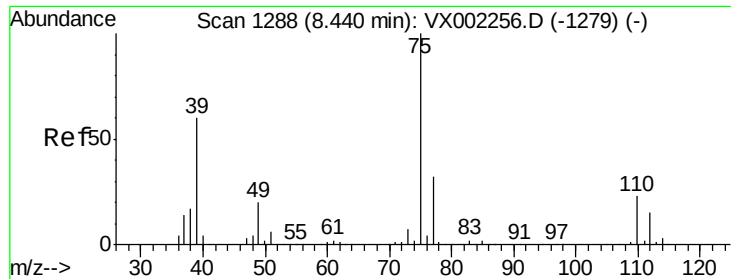
MMDadoda
6/13/2018 1:59:37 PM



#52
Toluene
Concen: 49.658 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Tgt Ion: 92 Resp: 298764
Ion Ratio Lower Upper
92 100
91 174.9 140.4 210.6





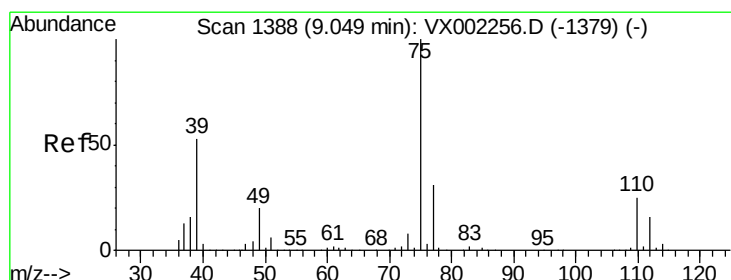
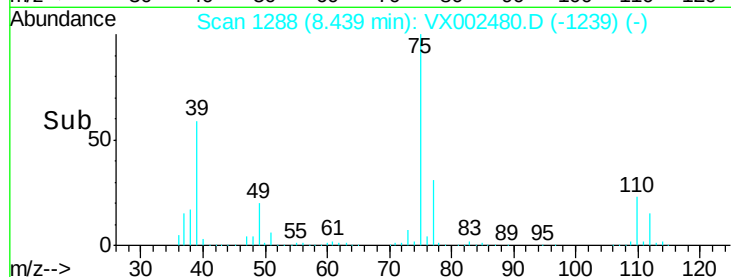
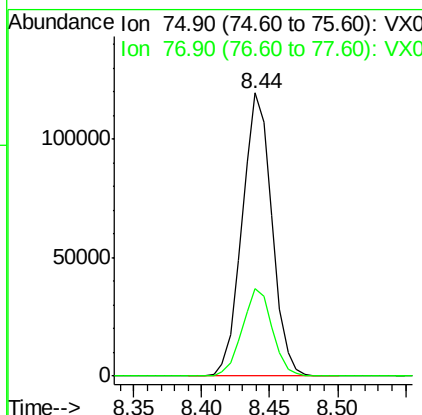
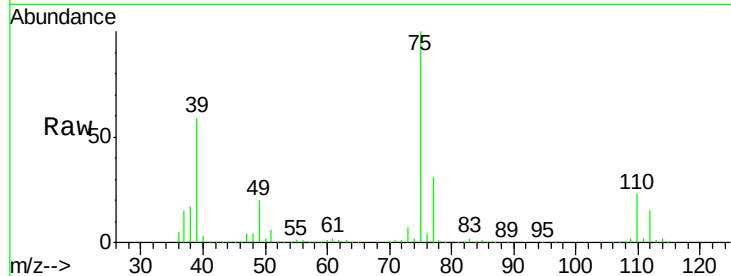
#53
t-1,3-Dichloropropene
Concen: 48.745 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.2

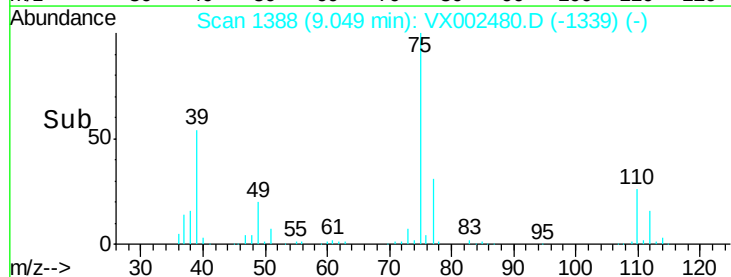
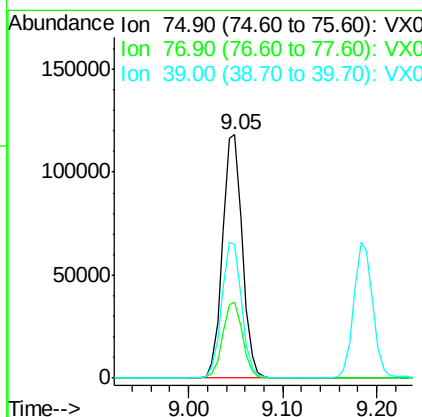
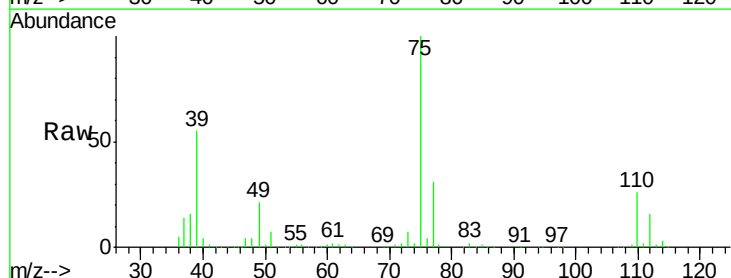
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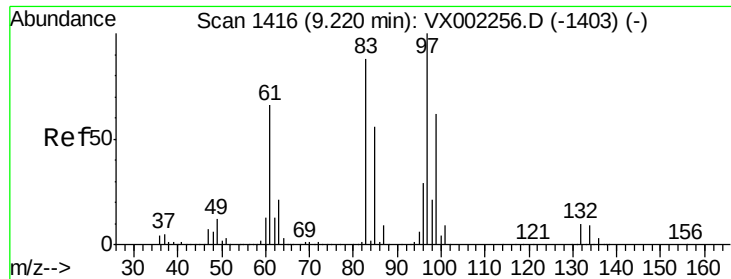
MMDadoda
6/13/2018 1:59:37 PM



#54
cis-1,3-Dichloropropene
Concen: 48.467 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2
39	54.5	42.4	63.6





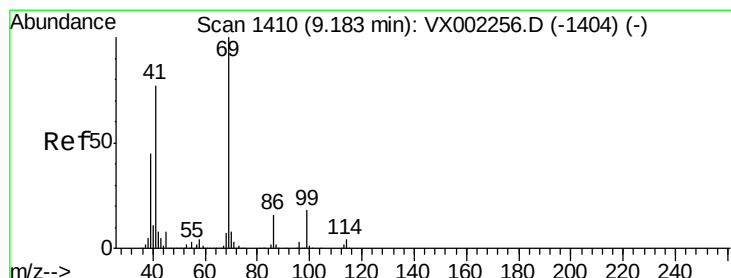
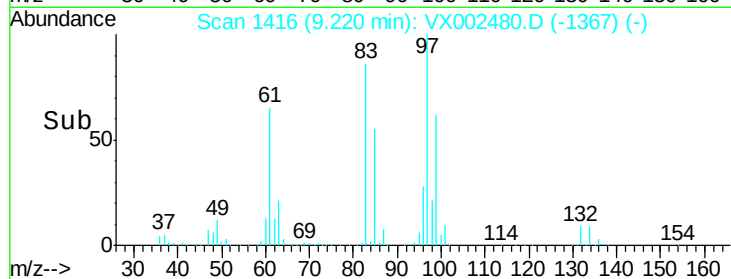
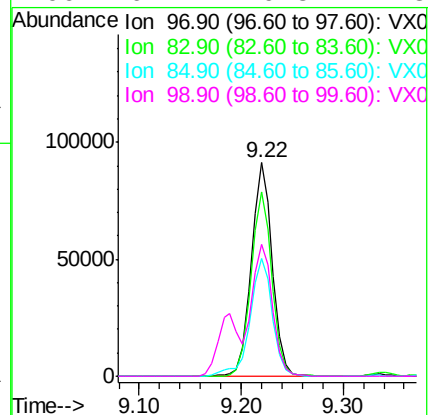
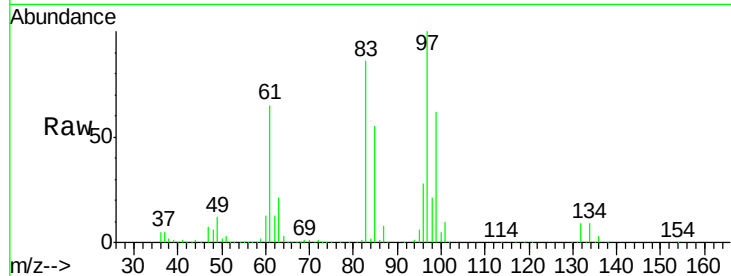
#55
 1,1,2-Trichloroethane
 Concen: 52.758 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002480.D
 Acq: 12 Jun 2018 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	130550
Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.2	105.2
85	55.4	44.9	67.3
99	61.7	49.8	74.8

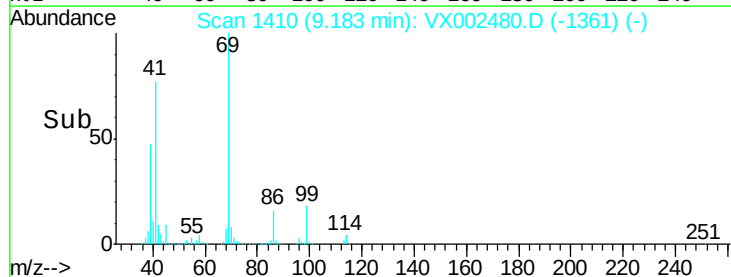
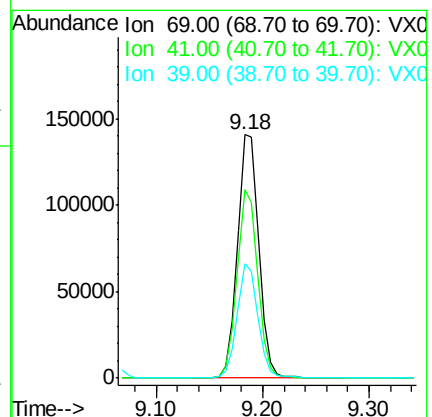
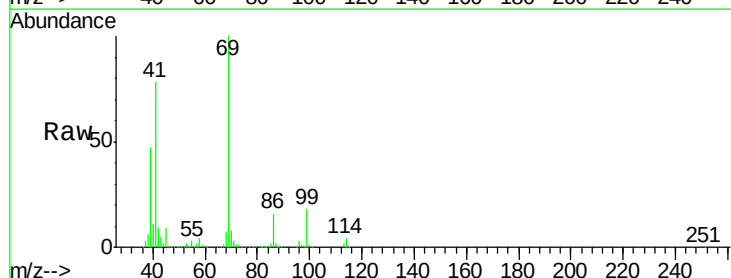
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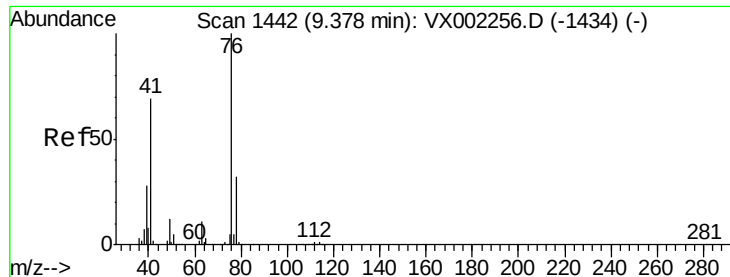
MMDadoda
 6/13/2018 1:59:37 PM



#56
 Ethyl methacrylate
 Concen: 50.318 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002480.D
 Acq: 12 Jun 2018 21:18

Tgt Ion:	69	Resp:	198789
Ion	Ratio	Lower	Upper
69	100		
41	75.5	60.3	90.5
39	45.8	35.8	53.8





#57

1,3-Dichloropropane

Concen: 51.172 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 212434

Ion Ratio Lower Upper

76 100

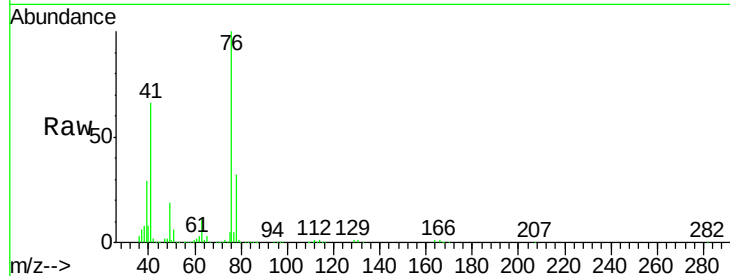
78 32.0 25.8 38.6

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6/13/2018 1:59:37 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

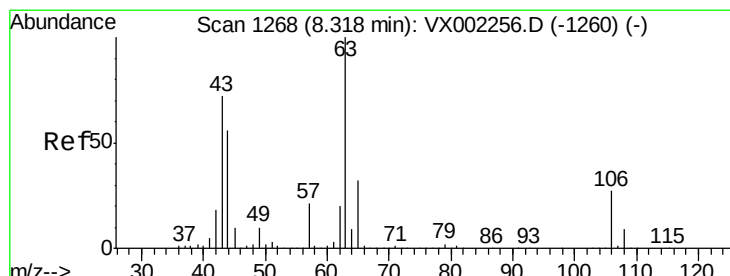
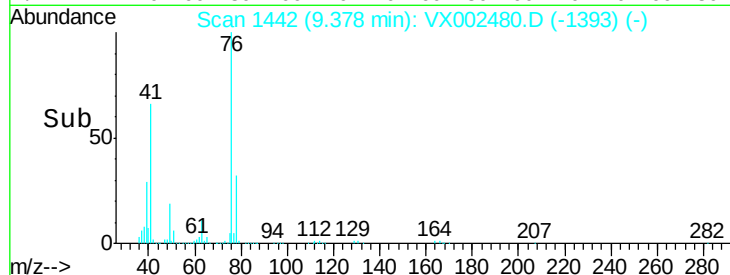
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 259.764 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002480.D

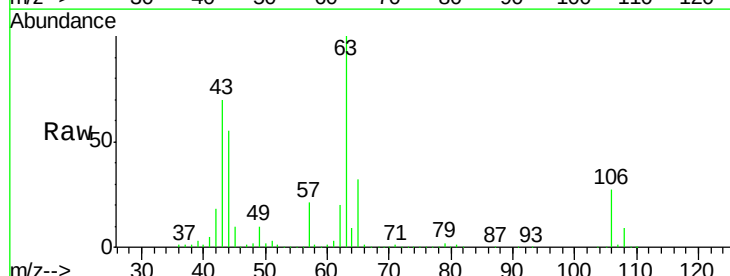
Acq: 12 Jun 2018 21:18

Tgt Ion: 63 Resp: 474980

Ion Ratio Lower Upper

63 100

106 27.2 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

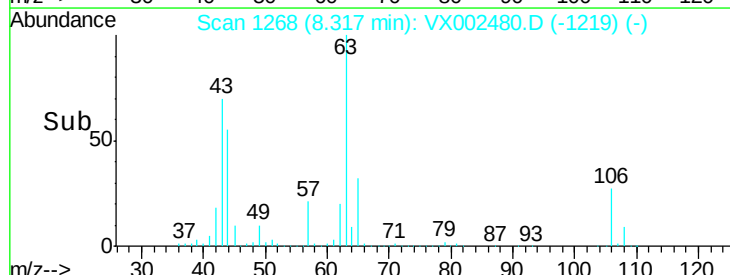
300000

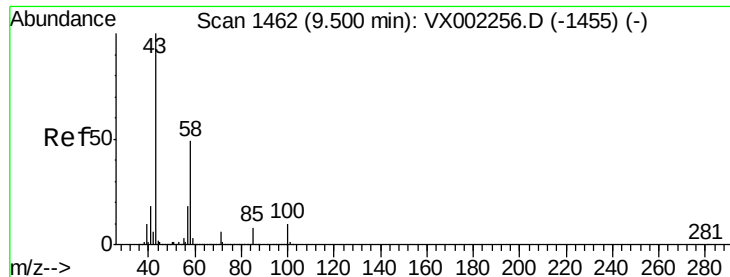
200000

100000

0

Time-->





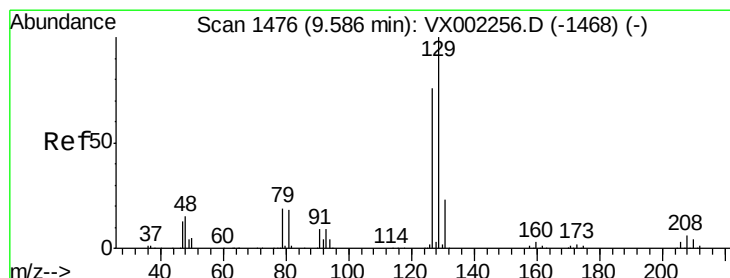
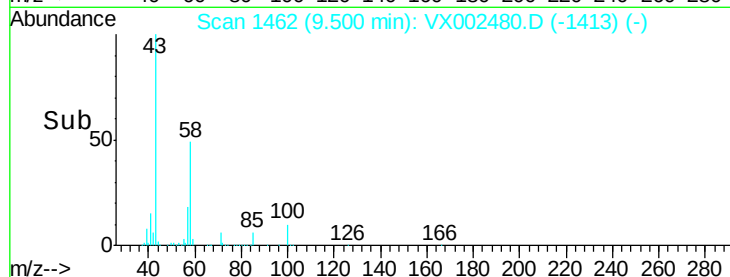
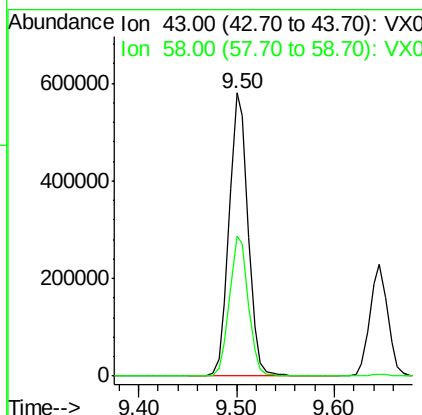
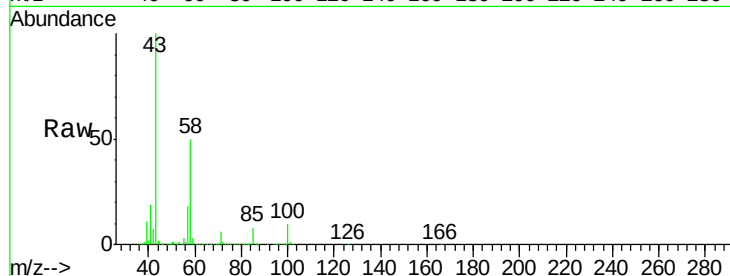
#59
2-Hexanone
Concen: 256.715 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.6	24.6	73.6

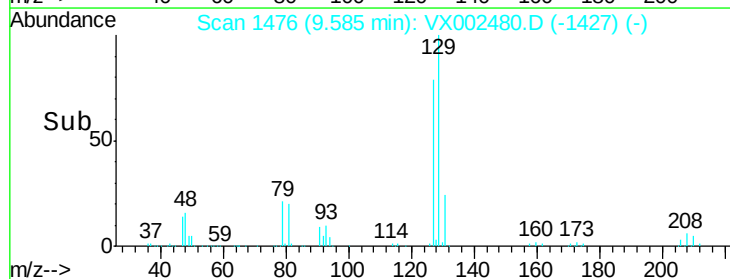
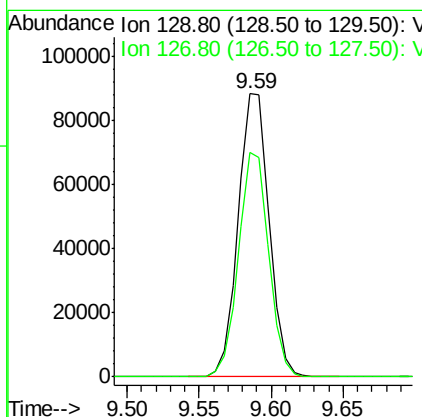
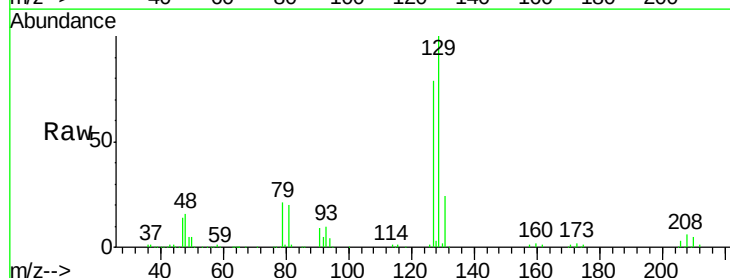
Manual Integrations
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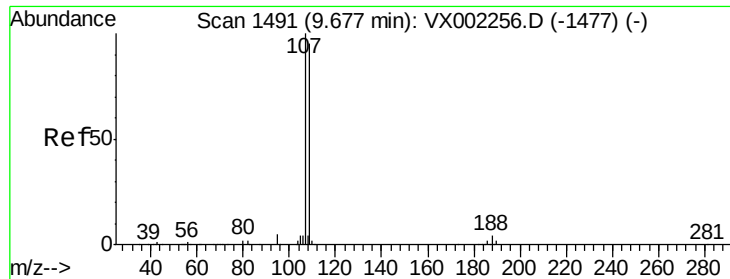
MMDadoda
6/13/2018 1:59:37 PM



#60
Dibromochloromethane
Concen: 52.953 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.5	115.3





#61

1,2-Dibromoethane

Concen: 52.626 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 135783

Ion Ratio Lower Upper

107 100

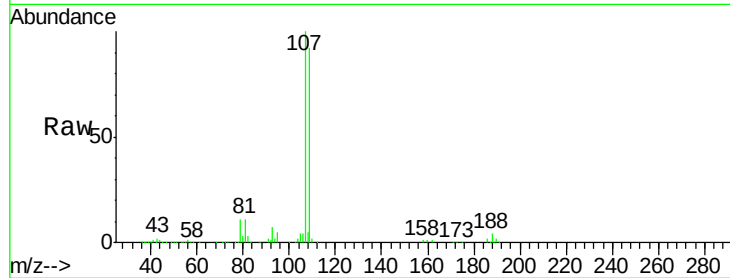
109 92.3 75.3 112.9

Manual Integrations

APPROVED

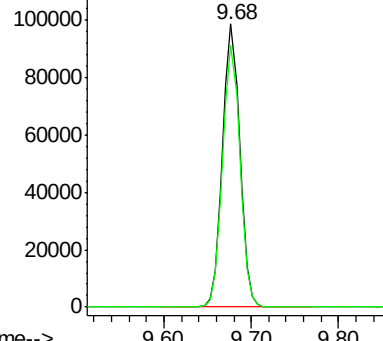
MMDadoda

6/13/2018 1:59:37 PM

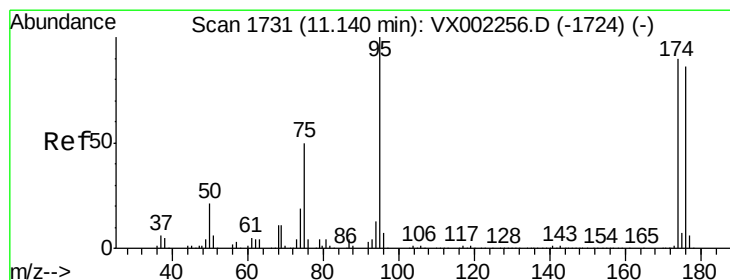
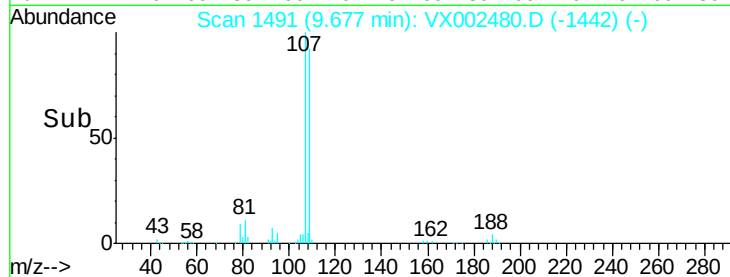


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 45.687 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

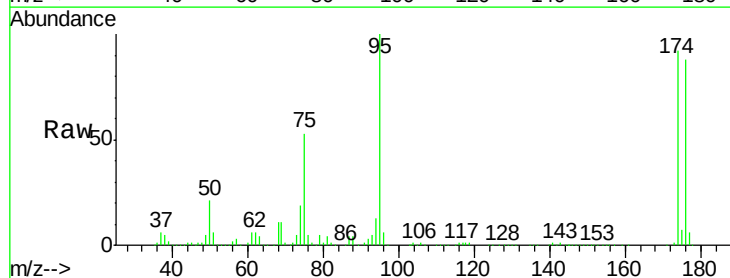
Tgt Ion: 95 Resp: 155842

Ion Ratio Lower Upper

95 100

174 95.5 0.0 187.4

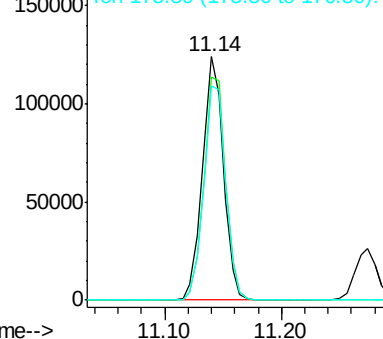
176 92.1 0.0 181.0



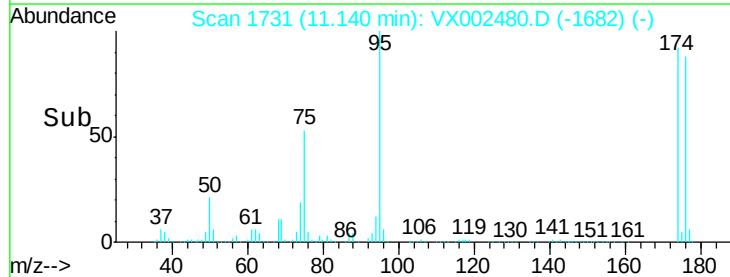
Abundance Ion 94.90 (94.60 to 95.60): VX0

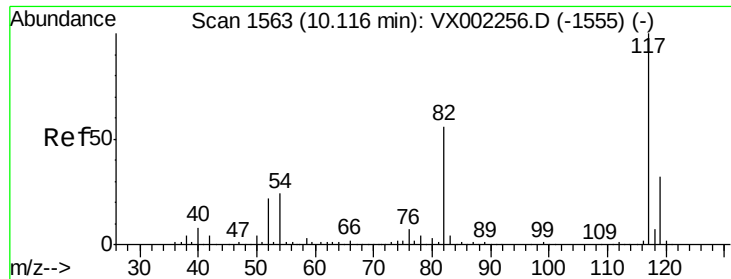
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





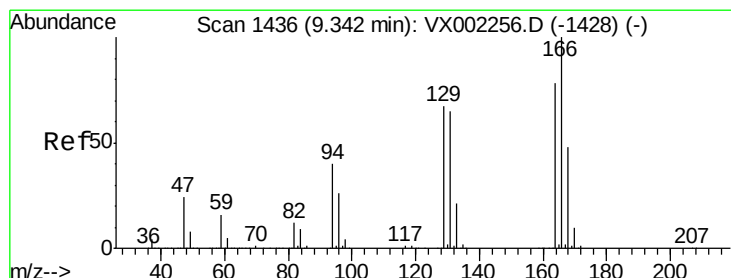
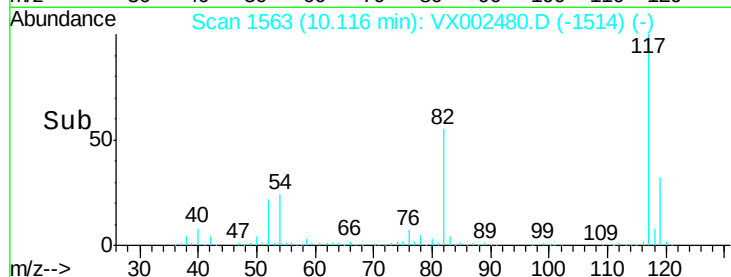
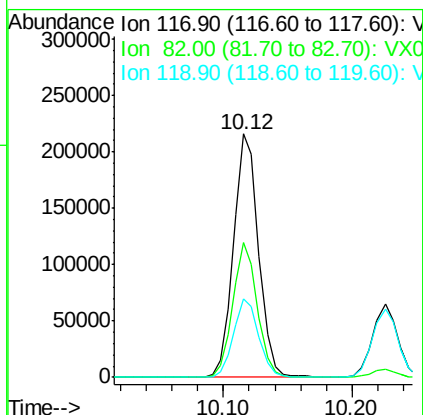
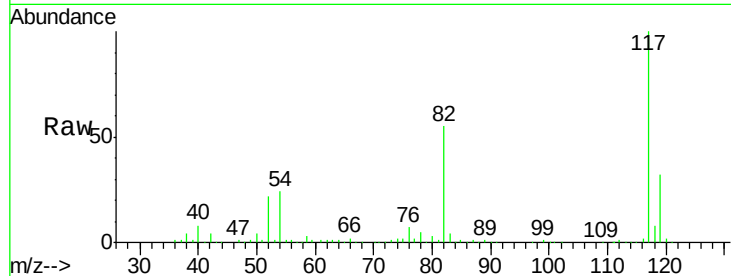
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.0	67.4
119	32.0	25.8	38.6

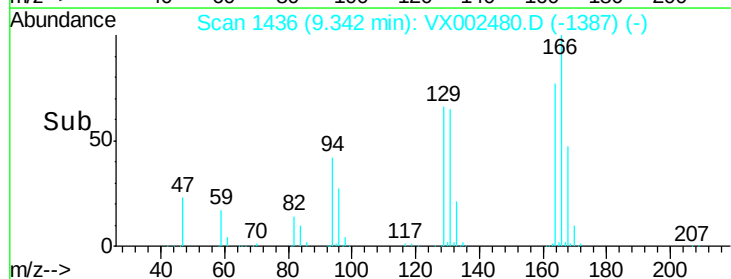
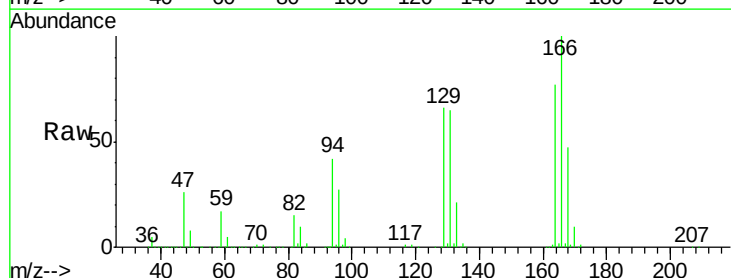
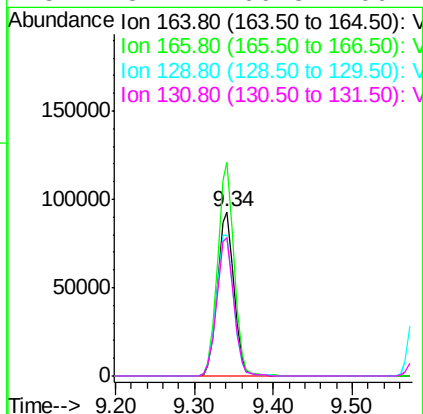
Manual Integrations
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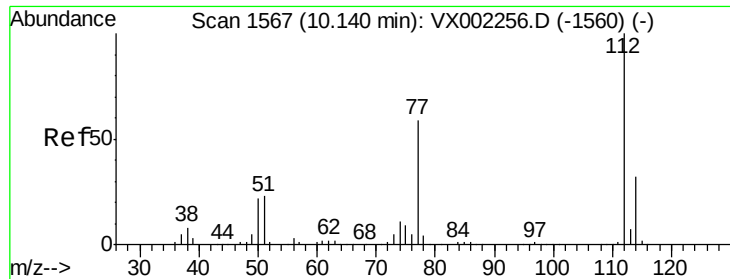
MMDadoda
6/13/2018 1:59:37 PM



#64
Tetrachloroethene
Concen: 45.285 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	102.9	154.3
129	85.7	68.6	102.8
131	84.4	66.8	100.2





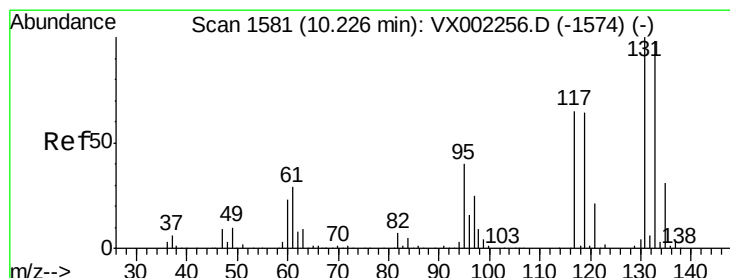
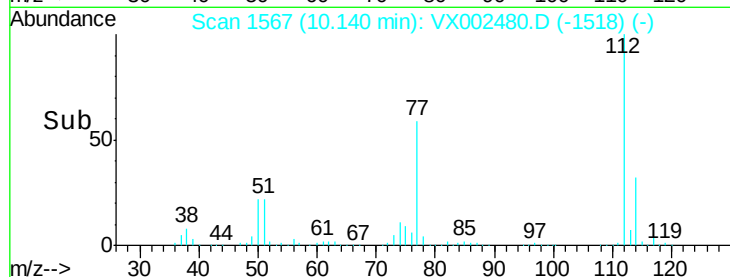
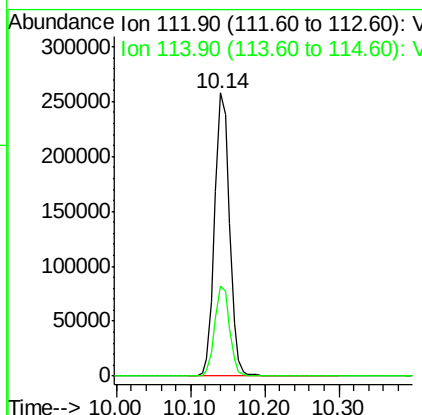
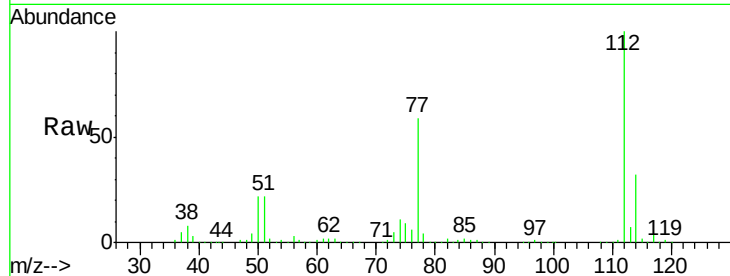
#65
Chlorobenzene
Concen: 48.465 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 353148
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

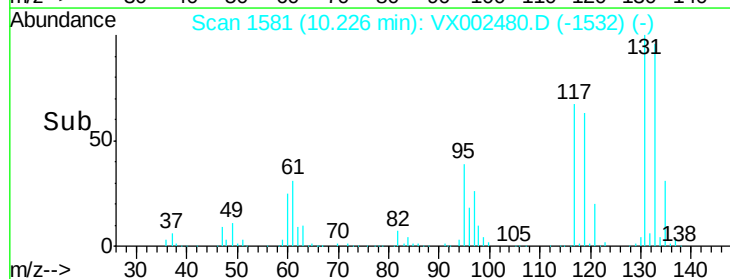
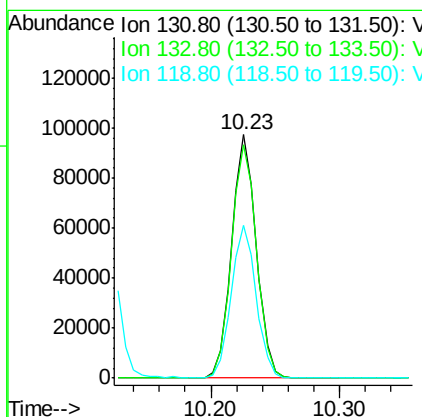
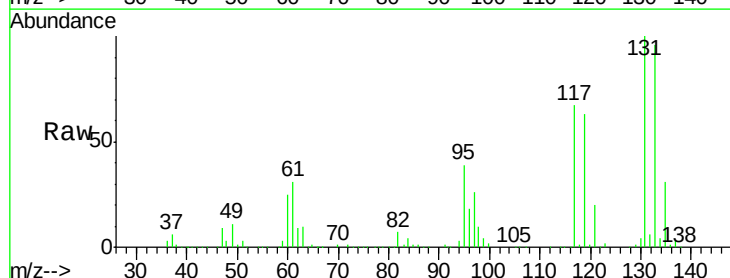
Manual Integrations
APPROVED

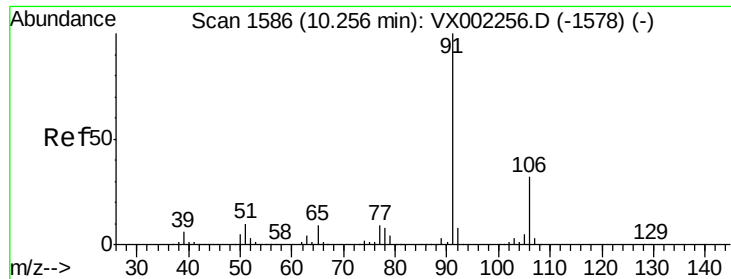
MMDadoda
6/13/2018 1:59:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.205 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Tgt Ion:131 Resp: 129825
Ion Ratio Lower Upper
131 100
133 98.1 47.9 143.6
119 63.9 31.8 95.3





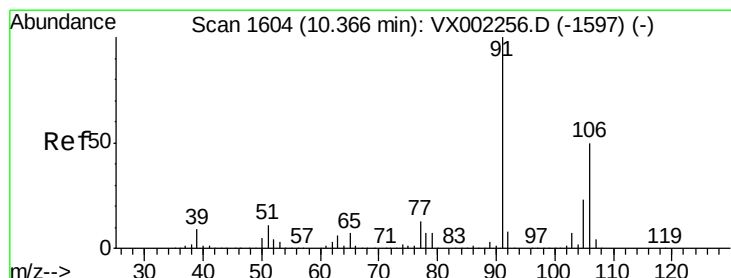
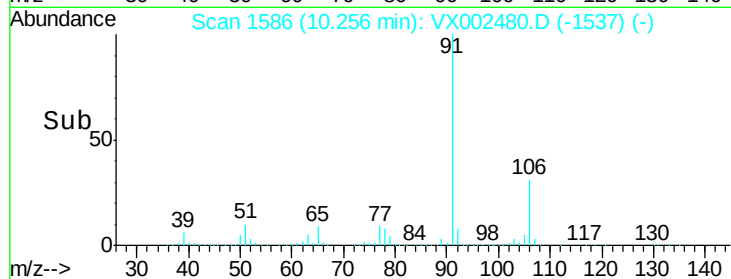
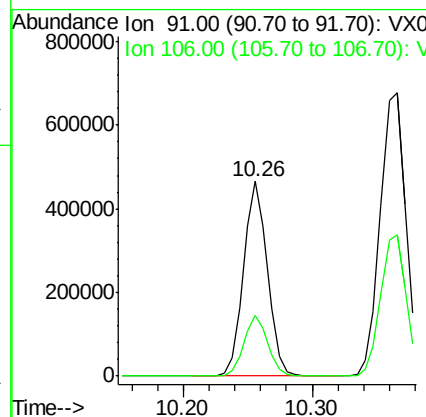
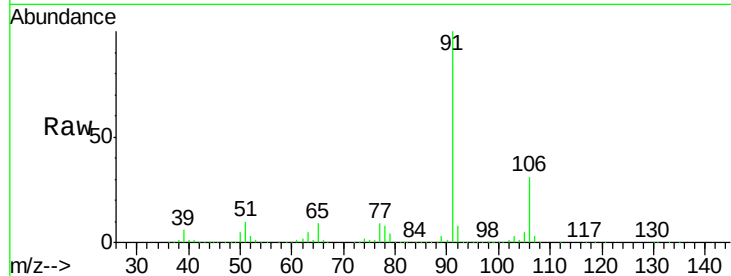
#67
Ethyl Benzene
Concen: 48.636 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 593095
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3

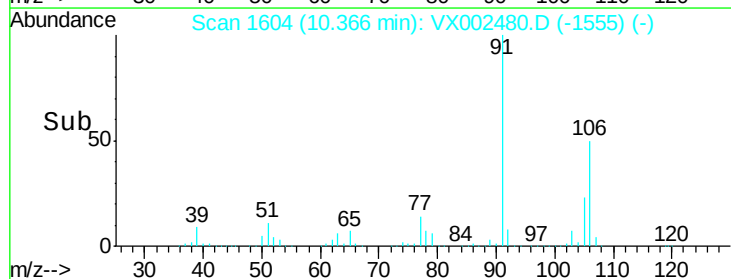
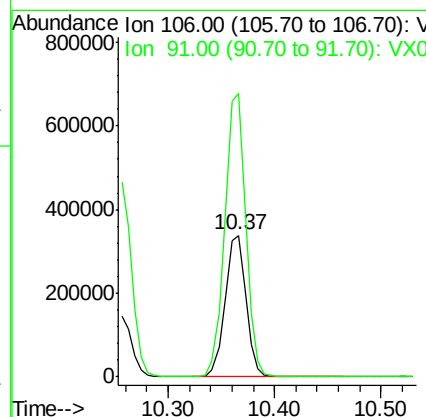
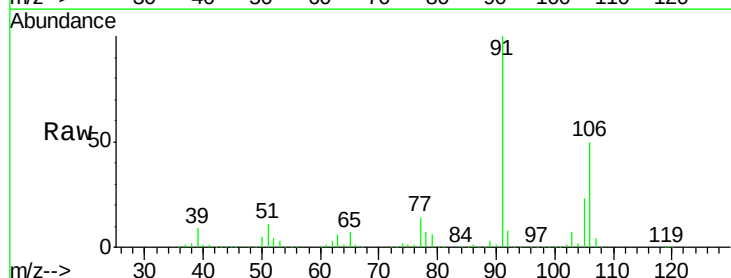
Manual Integrations
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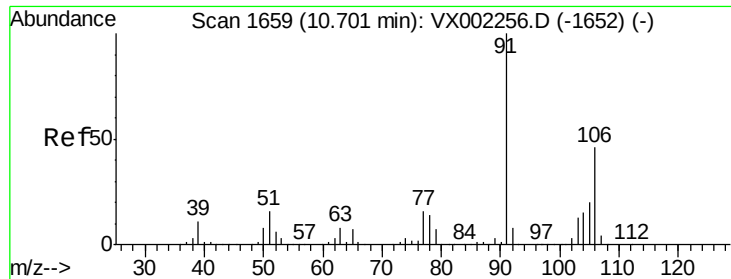
MMDadoda
6/13/2018 1:59:37 PM



#68
m/p-Xylenes
Concen: 97.869 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Tgt Ion: 106 Resp: 463929
Ion Ratio Lower Upper
106 100
91 201.9 163.4 245.2





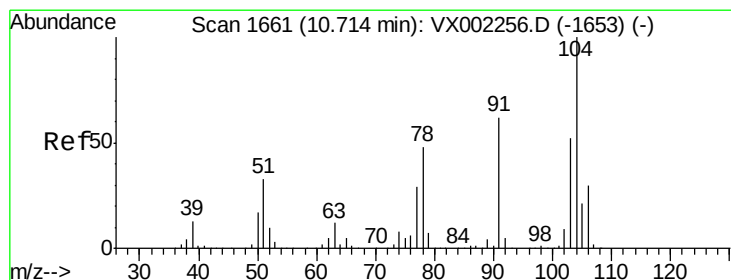
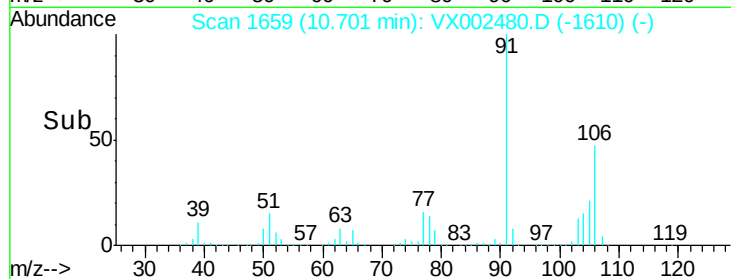
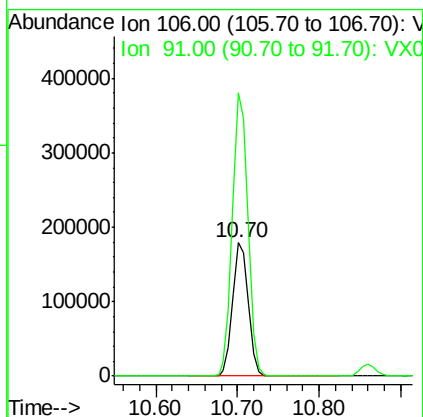
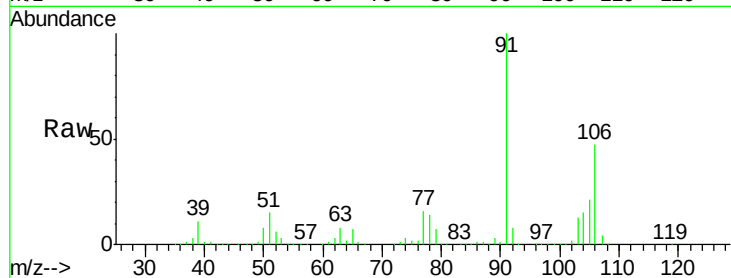
#69
o-Xylene
Concen: 49.507 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.1	108.2	324.6

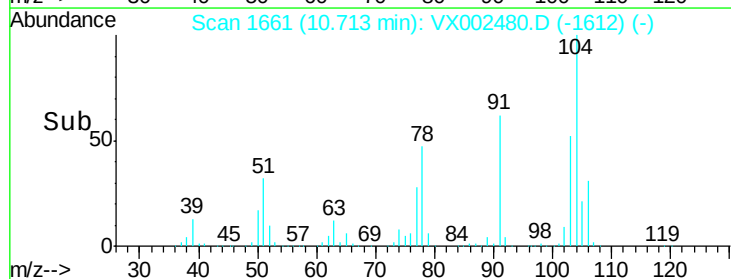
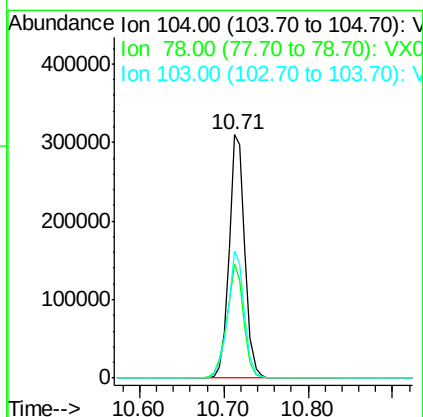
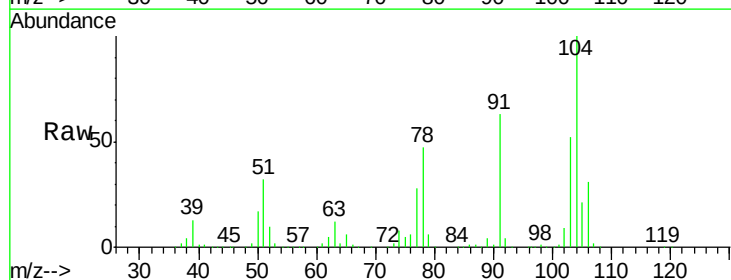
Manual Integrations
APPROVED

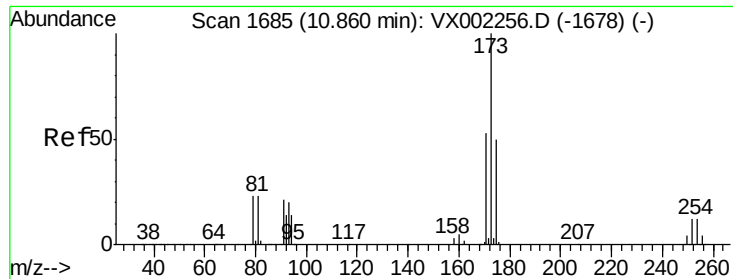
MMDadoda
6/13/2018 1:59:37 PM



#70
Styrene
Concen: 51.191 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.6	41.0	61.6
103	55.1	44.2	66.4





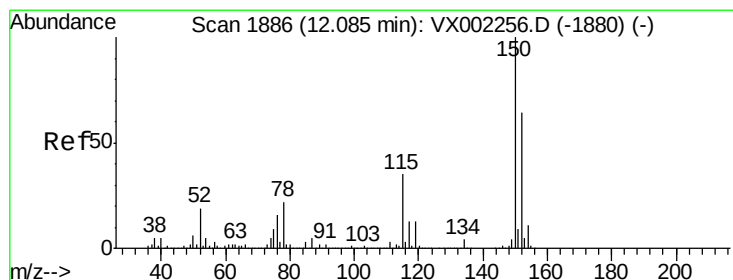
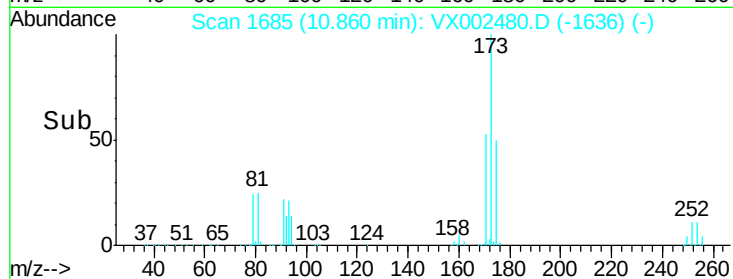
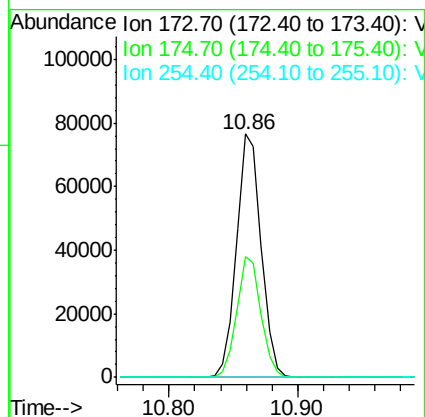
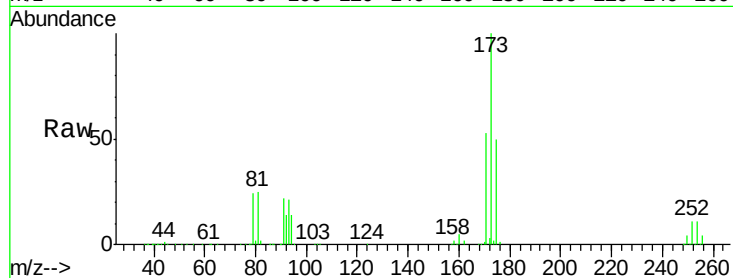
#71
Bromoform
Concen: 43.609 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.7	74.1
254	0.2	0.2	0.2

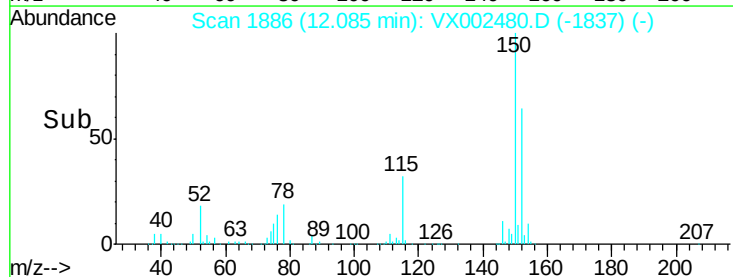
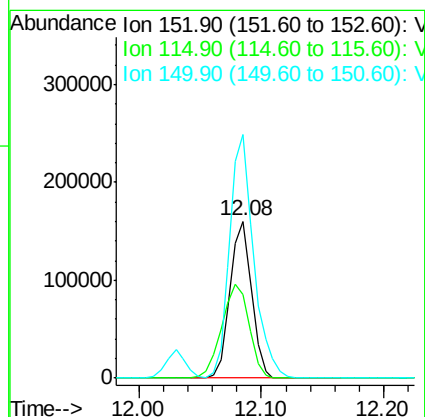
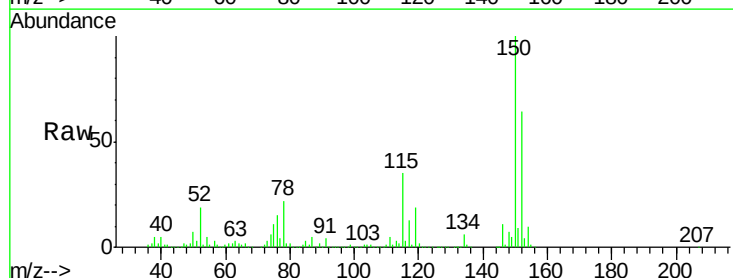
Manual Integrations
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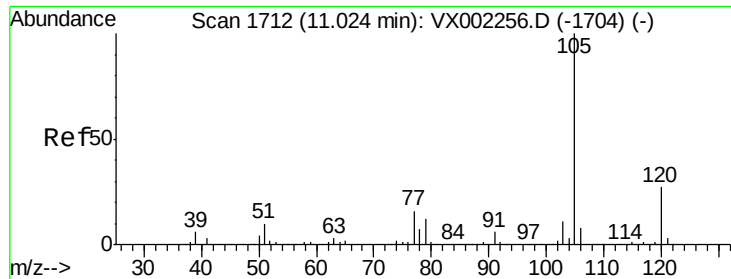
MMDadoda
6/13/2018 1:59:37 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.4	40.1	120.2
150	173.0	0.0	347.2





#73

Isopropylbenzene

Concen: 45.463 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 613006

Ion Ratio Lower Upper

105 100

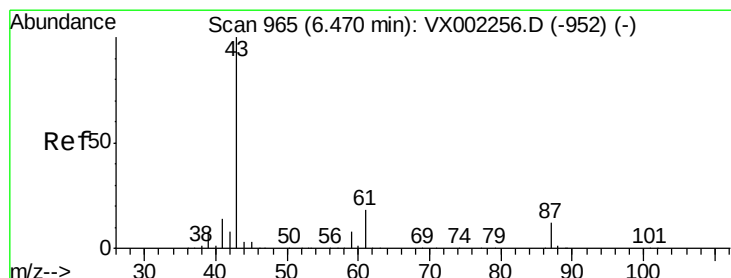
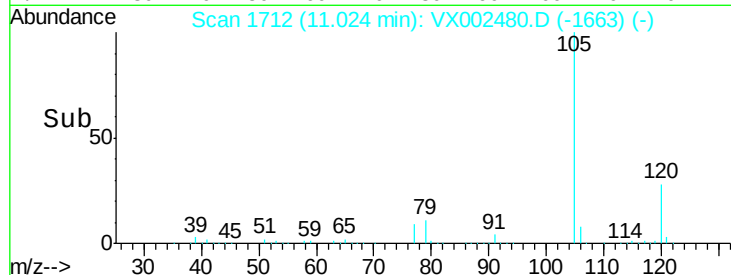
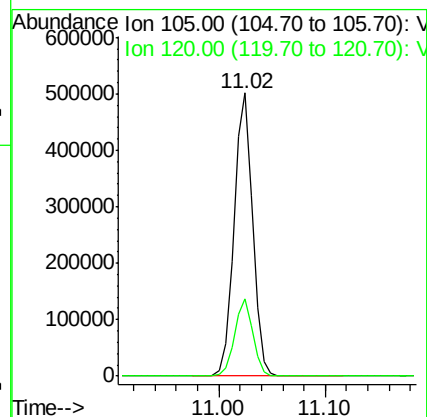
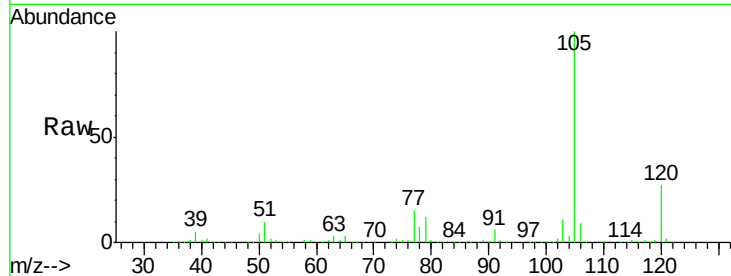
120 26.8 13.5 40.4

Manual Integrations

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MMDadoda

6/13/2018 1:59:37 PM



#74

N-ethyl acetate

Concen: 42.305 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Tgt Ion: 43 Resp: 307367

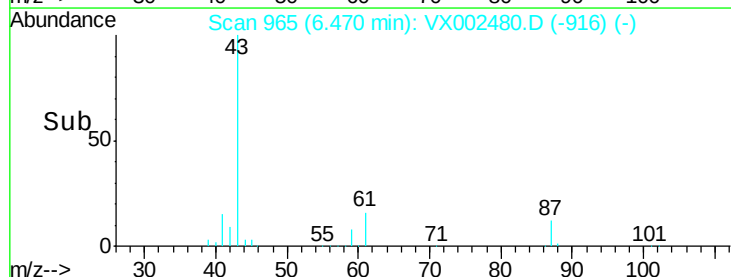
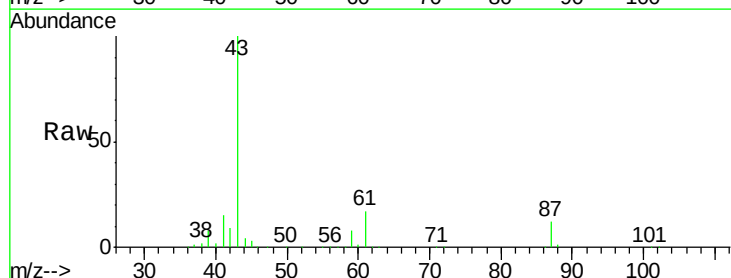
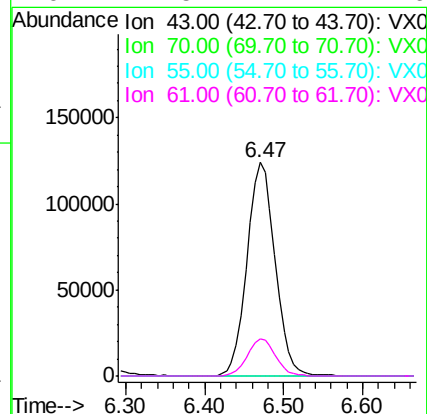
Ion Ratio Lower Upper

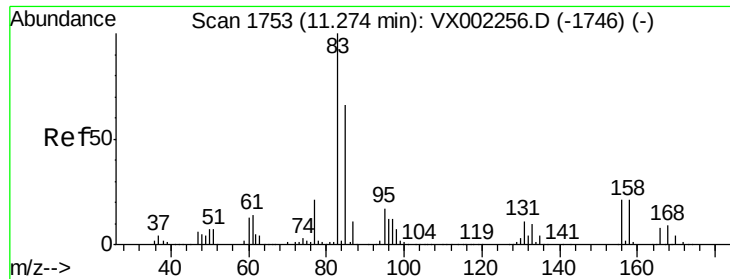
43 100

70 0.0 0.0 0.0#

55 0.0 0.0 0.0

61 17.5 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.760 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

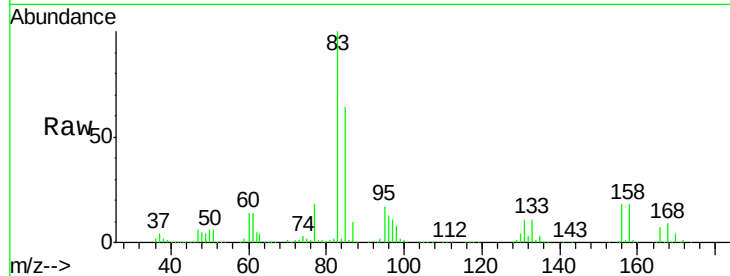
ClientSampleId :

VSTDCCC050EC

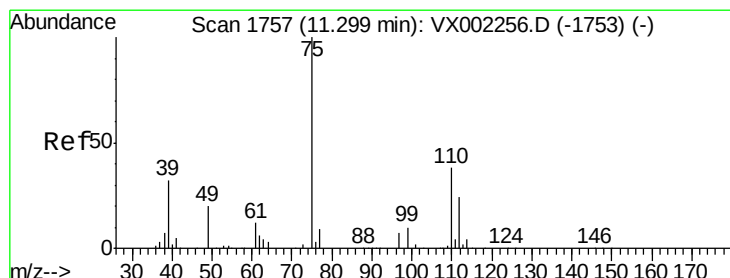
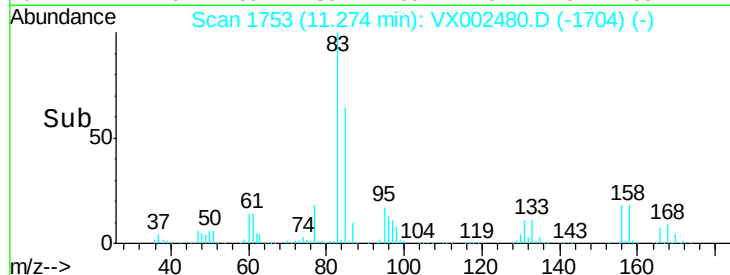
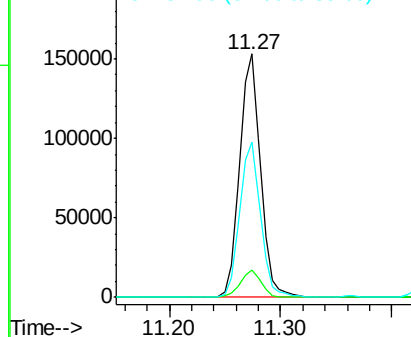
Tot Ion:	83	Resp:	198299
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.6	16.8
85	64.0	32.4	97.2

Manual Integrations
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MMDadoda
6/13/2018 1:59:37 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: 45.705 ug/l m

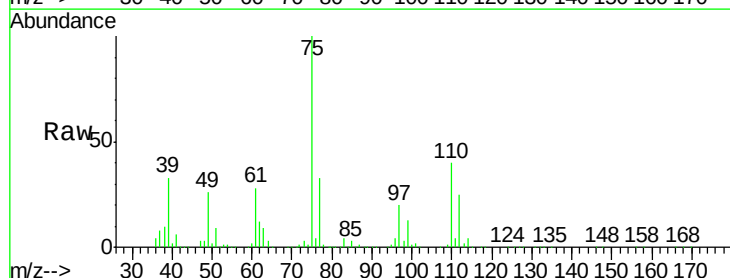
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

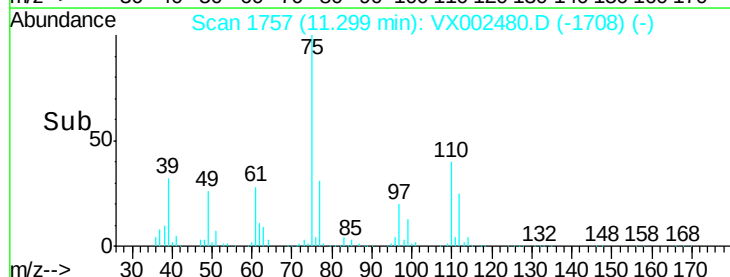
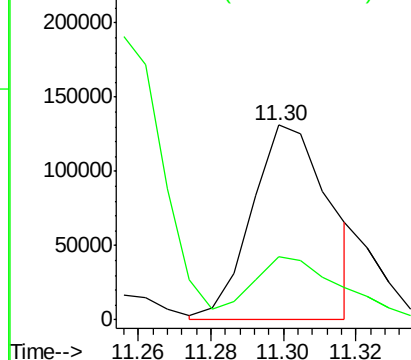
Lab File: VX002480.D

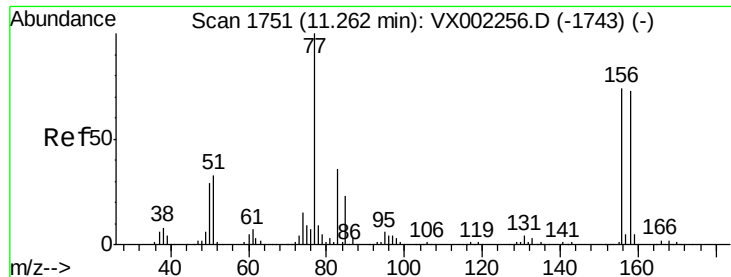
Acq: 12 Jun 2018 21:18

Tgt Ion:	75	Resp:	194388
Ion Ratio	Lower	Upper	
75	100		
77	37.5	22.8	68.3



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





#77

Bromobenzene

Concen: 46.243 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 175049

Ion Ratio Lower Upper

156 100

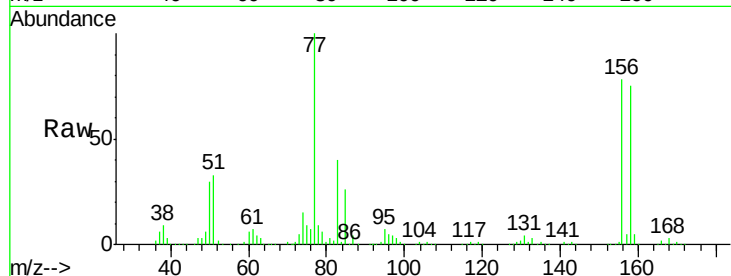
77 139.0 71.4 214.2

158 96.8 48.9 146.6

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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

250000

200000

150000

100000

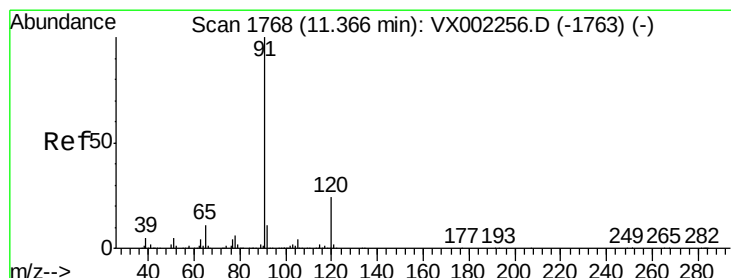
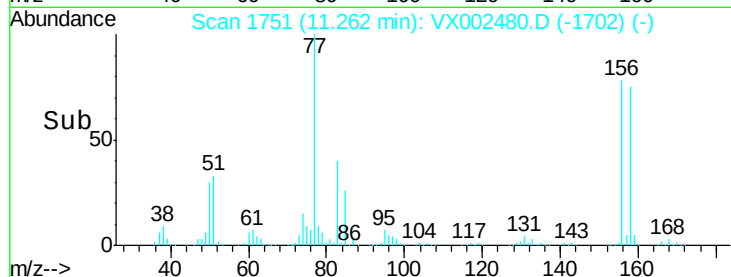
50000

0

11.20

11.30

Time-->



#78

n-propylbenzene

Concen: 46.649 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002480.D

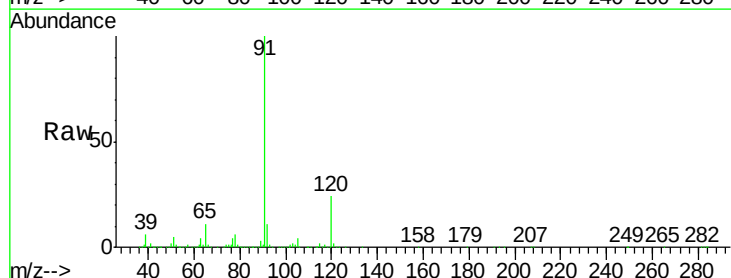
Acq: 12 Jun 2018 21:18

Tgt Ion: 91 Resp: 699114

Ion Ratio Lower Upper

91 100

120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

600000

400000

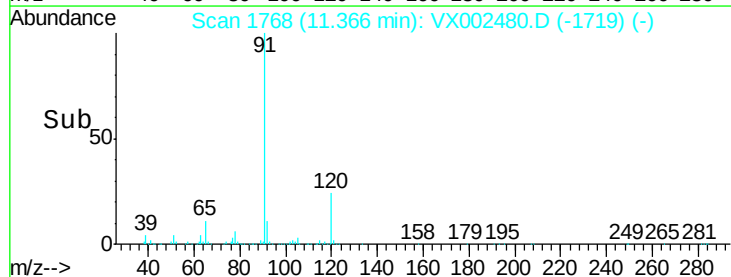
200000

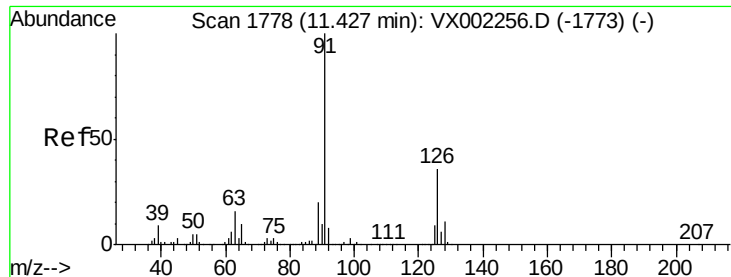
0

11.35

11.40

Time-->





#79

2-Chlorotoluene

Concen: 45.003 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 425866

Ion Ratio Lower Upper

91 100

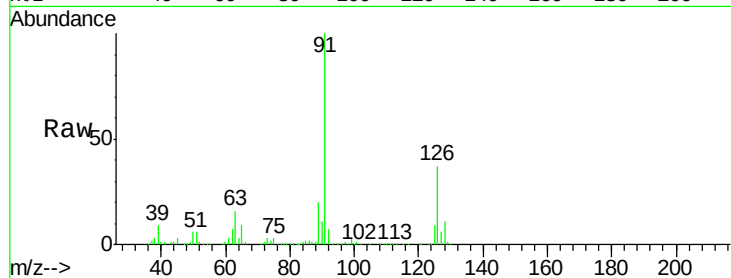
126 35.9 17.7 53.1

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Abundance Ion 91.00 (90.70 to 91.70): VX002256.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX002256.D (-1773) (-)

600000

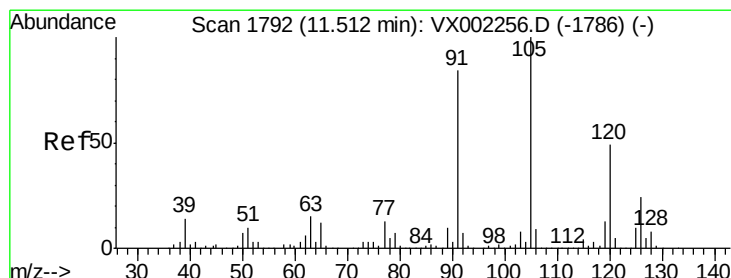
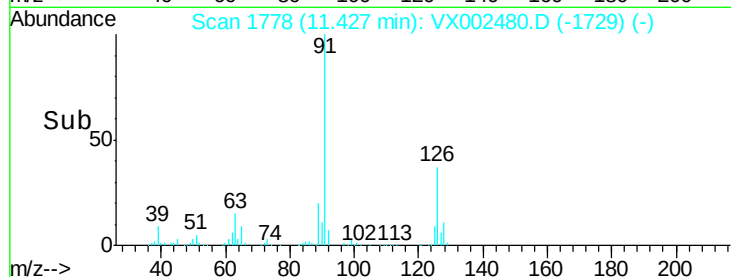
400000

200000

0

11.40 11.43 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.088 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002480.D

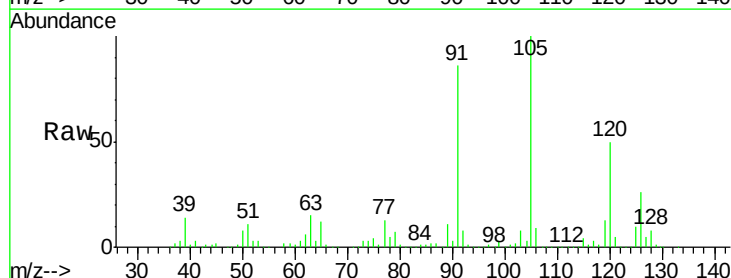
Acq: 12 Jun 2018 21:18

Tgt Ion: 105 Resp: 533012

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002256.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX002256.D (-1786) (-)

500000

400000

300000

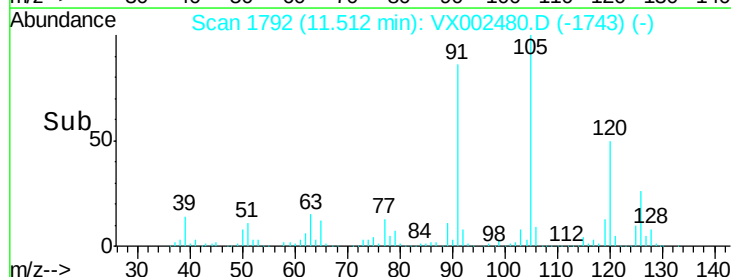
200000

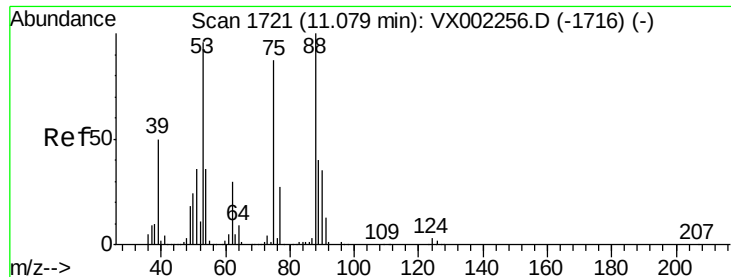
100000

0

11.40 11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 39.970 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 48497

Ion Ratio Lower Upper

75 100

53 116.6 86.8 130.2

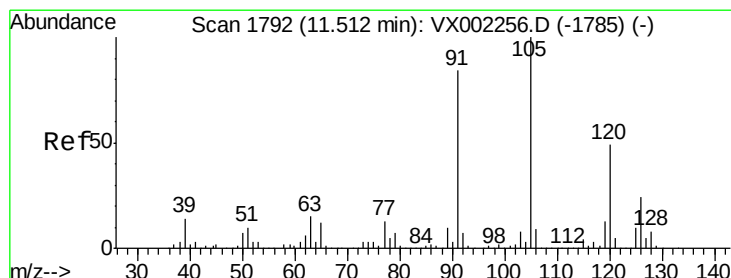
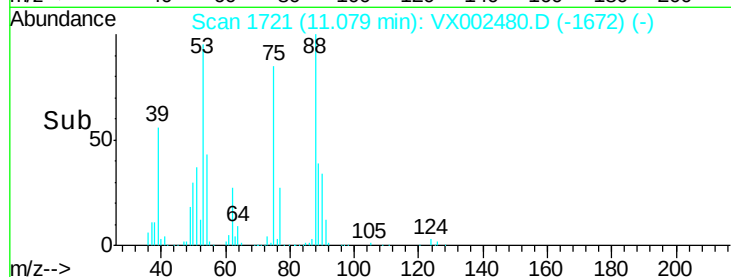
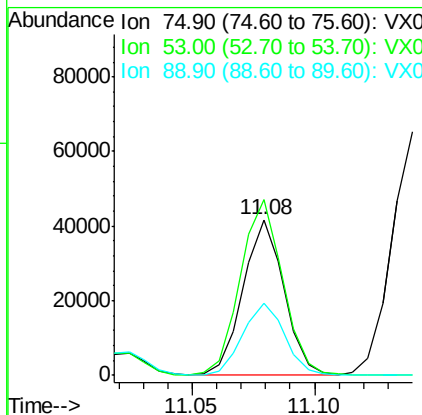
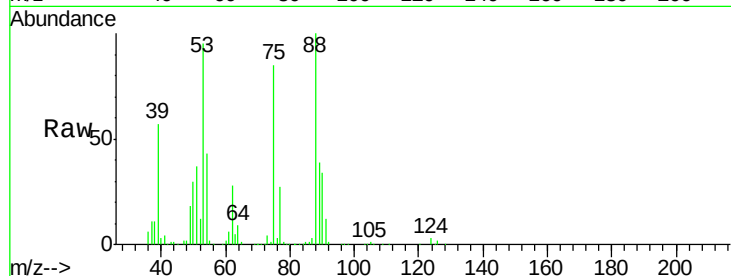
89 47.4 38.2 57.2

Manual Integrations

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#82

4-Chlorotoluene

Concen: 46.064 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002480.D

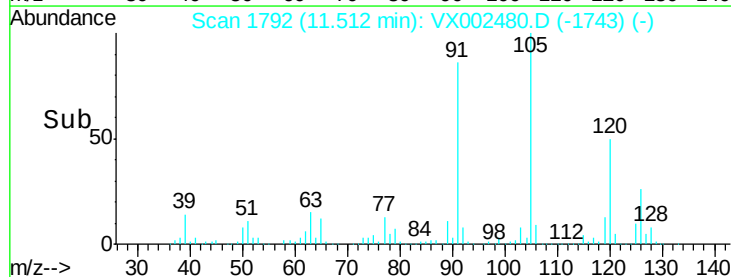
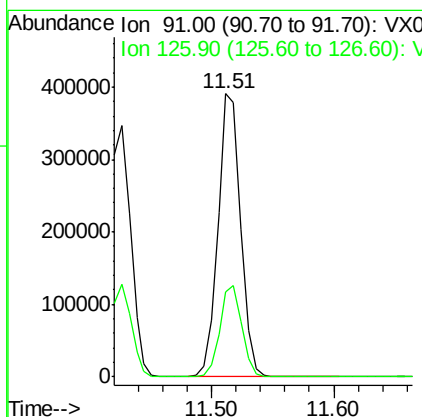
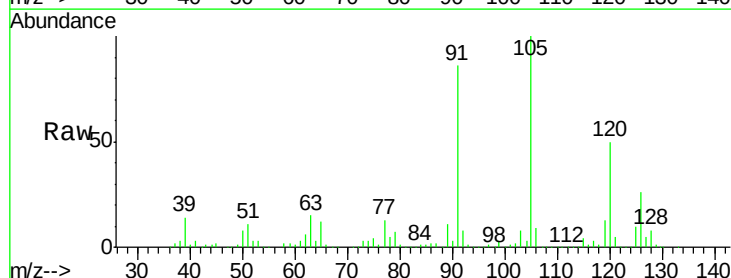
Acq: 12 Jun 2018 21:18

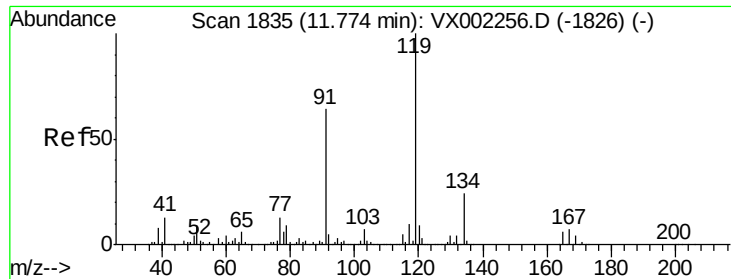
Tgt Ion: 91 Resp: 503144

Ion Ratio Lower Upper

91 100

126 31.5 15.4 46.4





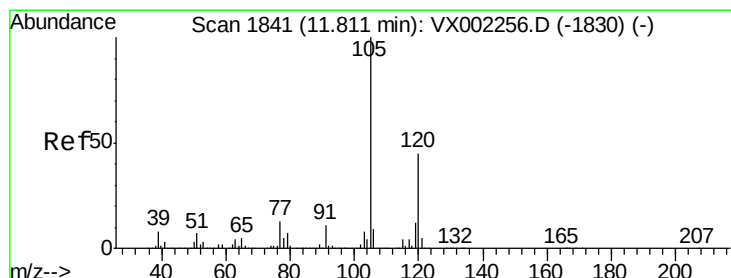
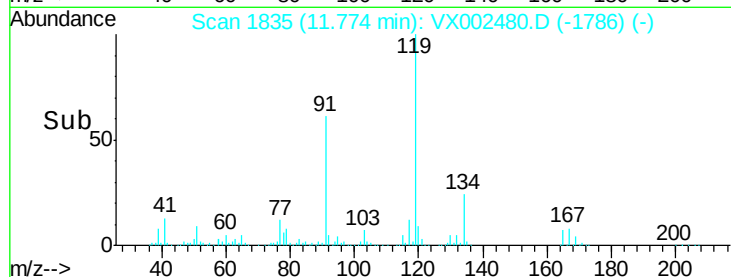
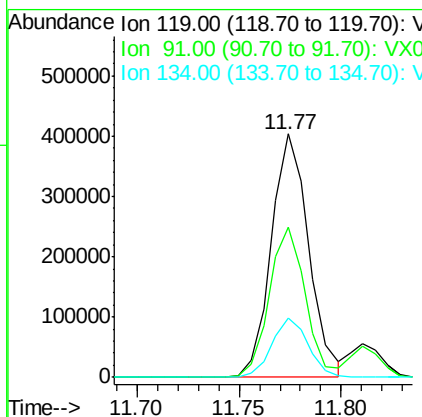
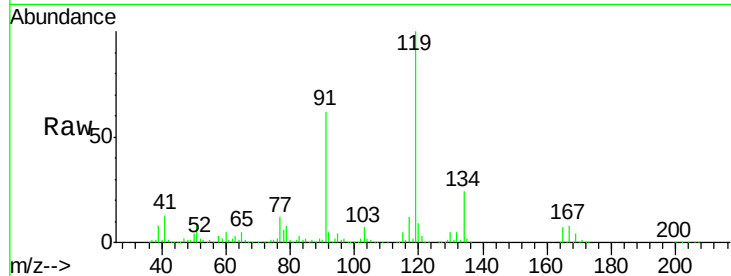
#83
tert-Butylbenzene
Concen: 45.799 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.6	30.3	90.9
134	23.9	11.7	35.1

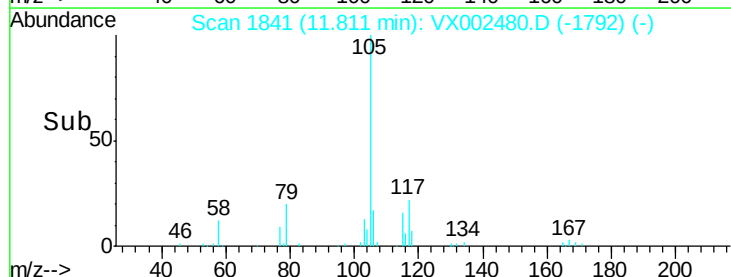
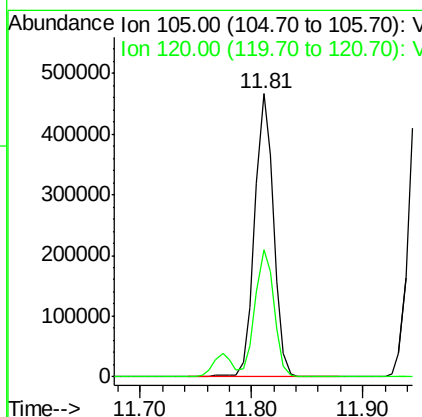
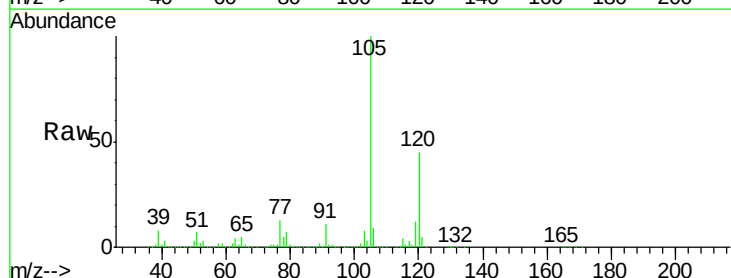
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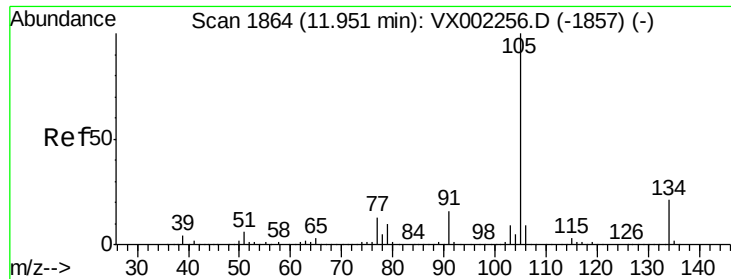
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 46.283 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.3	66.8





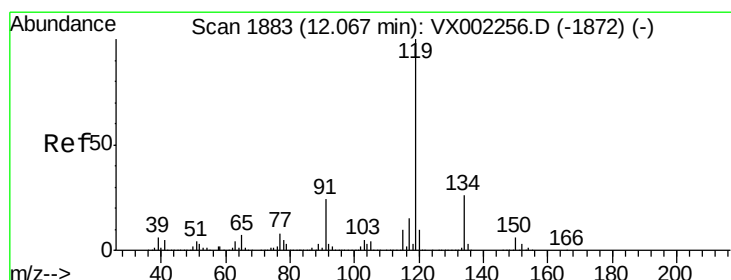
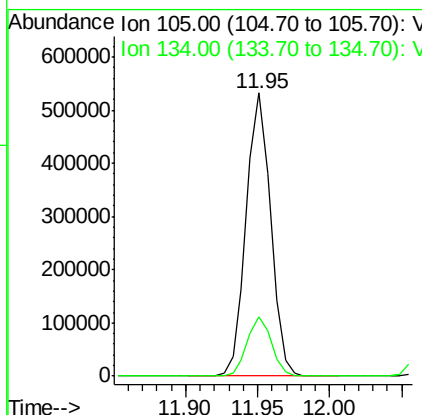
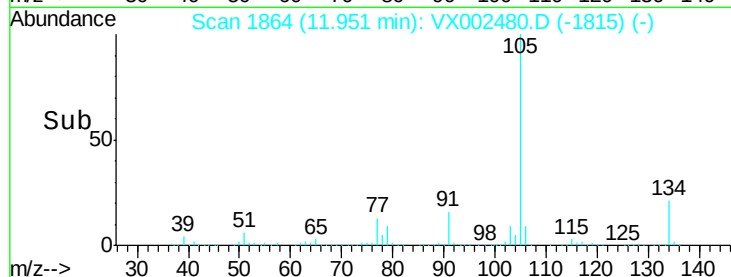
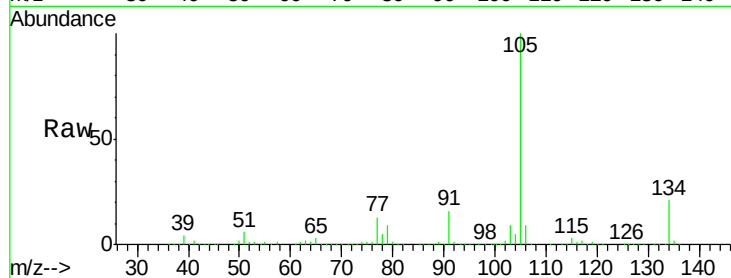
#85
 sec-Butylbenzene
 Concen: 47.289 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002480.D
 Acq: 12 Jun 2018 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 624356
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.1

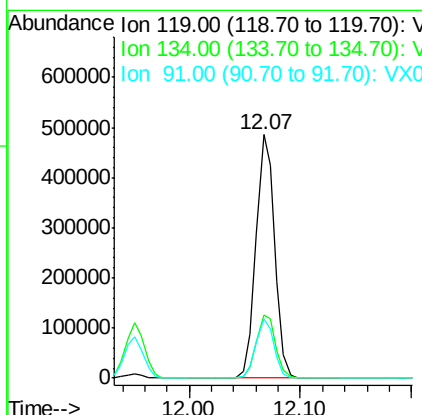
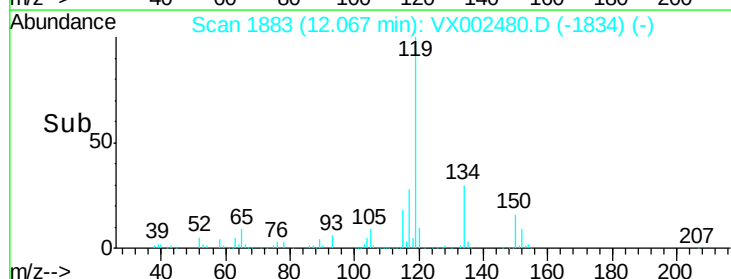
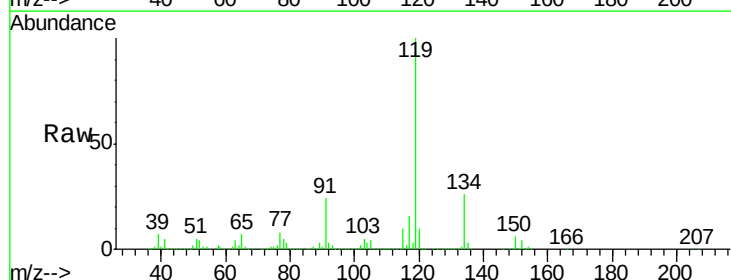
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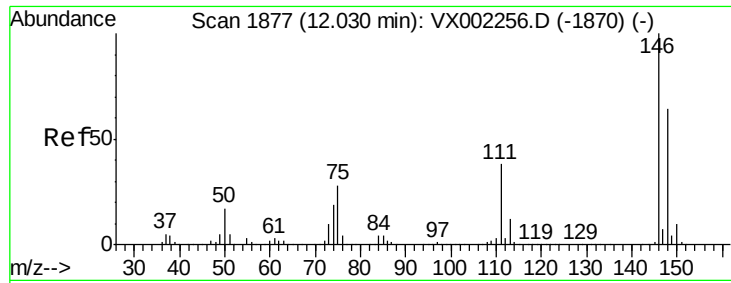
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#86
 p-Isopropyltoluene
 Concen: 47.304 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002480.D
 Acq: 12 Jun 2018 21:18

Tgt Ion:119 Resp: 568885
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.1
 91 23.7 11.9 35.7





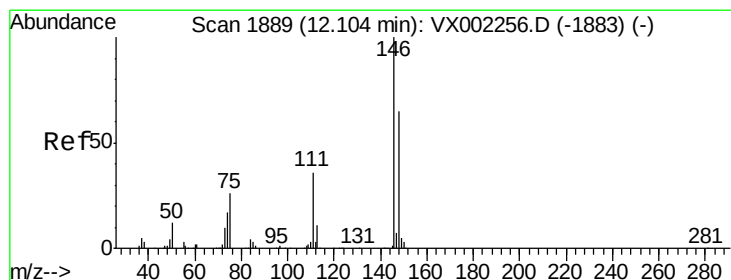
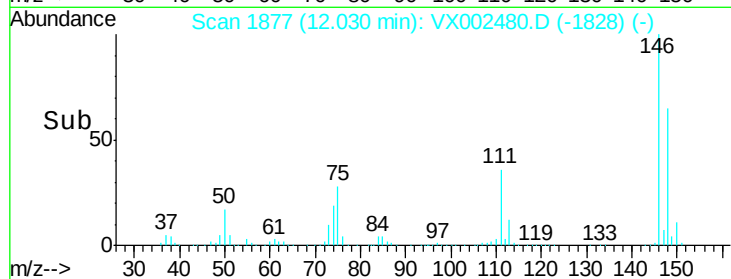
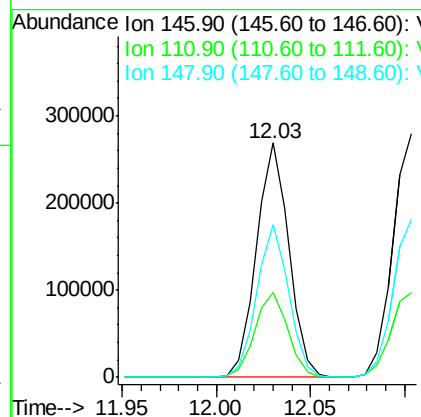
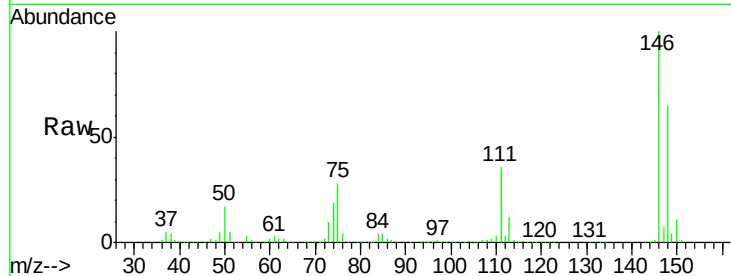
#87
 1,3-Dichlorobenzene
 Concen: 47.274 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002480.D
 Acq: 12 Jun 2018 21:18

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.7
148	64.4	32.1	96.3

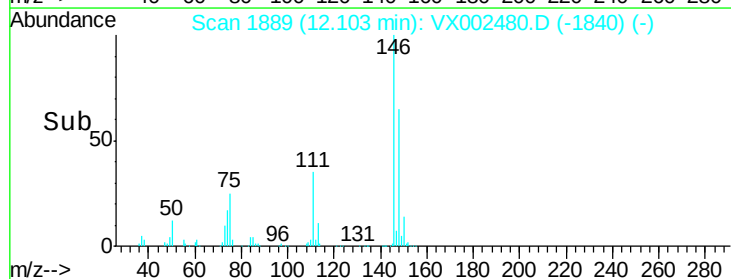
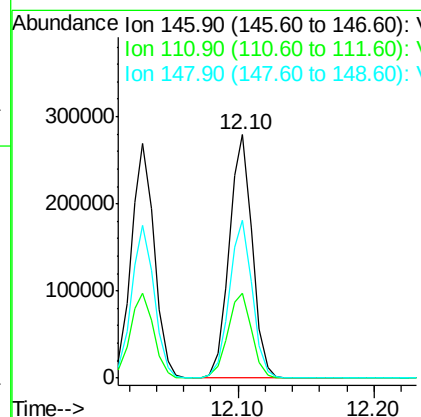
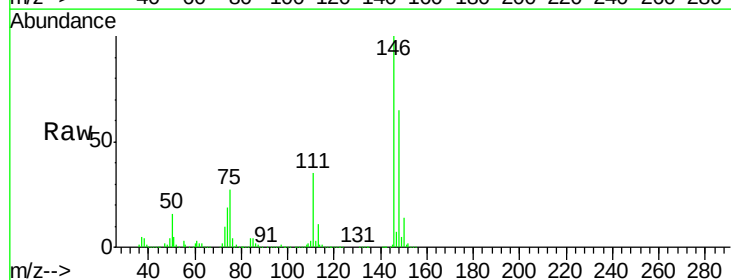
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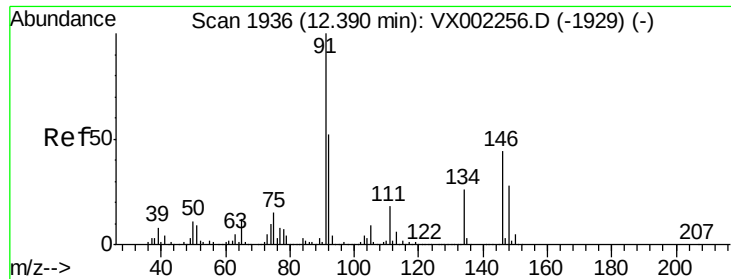
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#88
 1,4-Dichlorobenzene
 Concen: 46.884 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002480.D
 Acq: 12 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.7	56.1
148	64.6	32.4	97.0





#89

n-Butylbenzene

Concen: 48.657 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

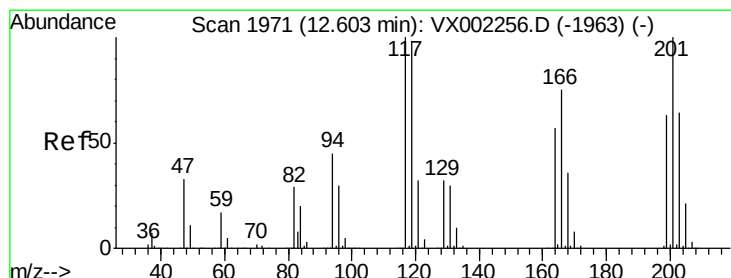
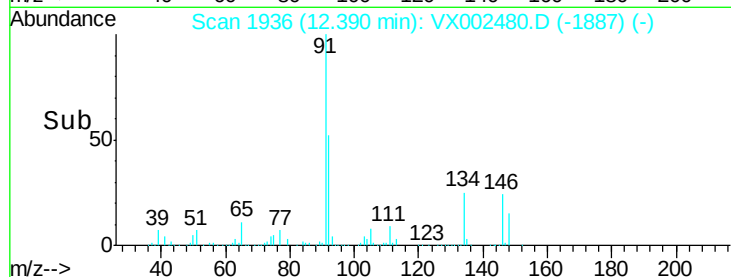
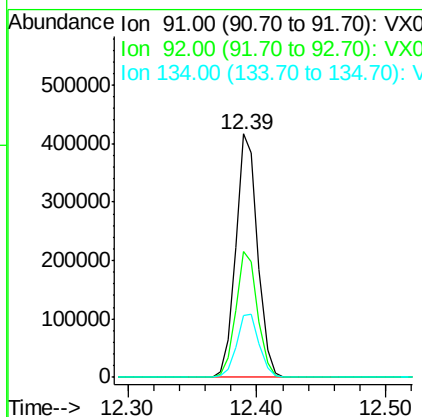
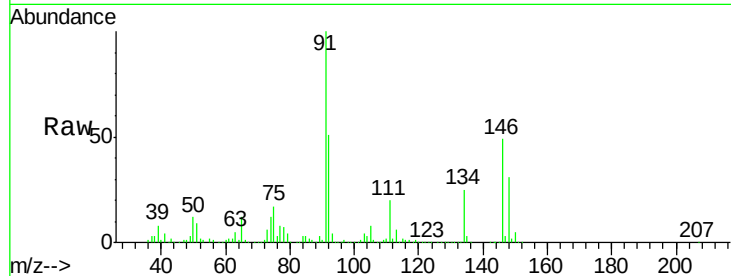
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	490760
Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.0	78.0
134	26.8	13.5	40.5

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#90

Hexachloroethane

Concen: 44.009 ug/l

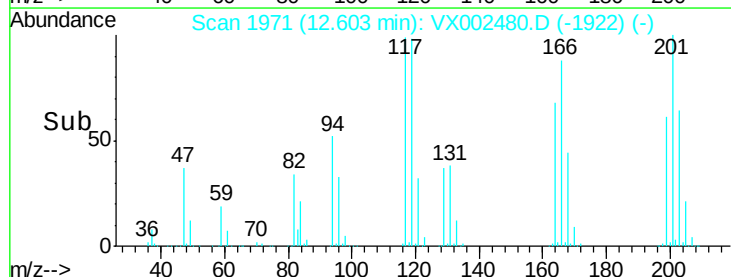
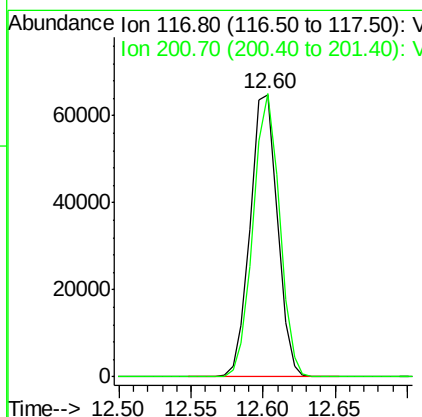
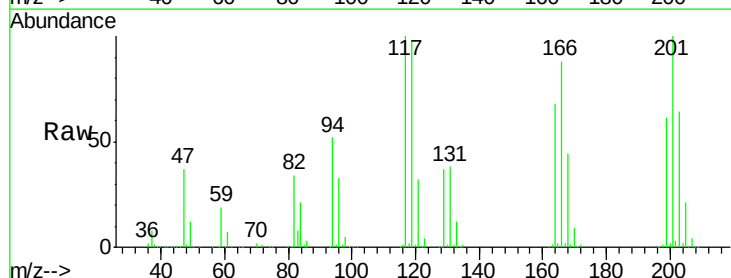
RT: 12.60 min Scan# 1971

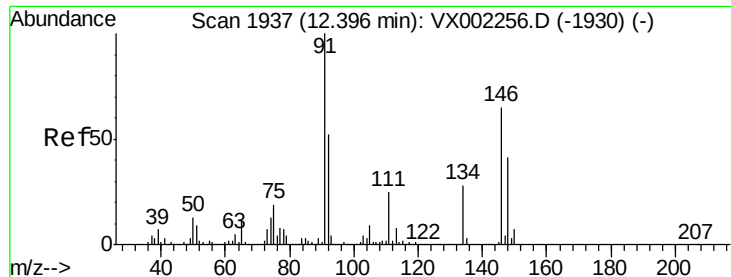
Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Tgt Ion:	117	Resp:	84485
Ion	Ratio	Lower	Upper
117	100		
201	96.7	49.0	147.0





#91

1,2-Dichlorobenzene

Concen: 47.374 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

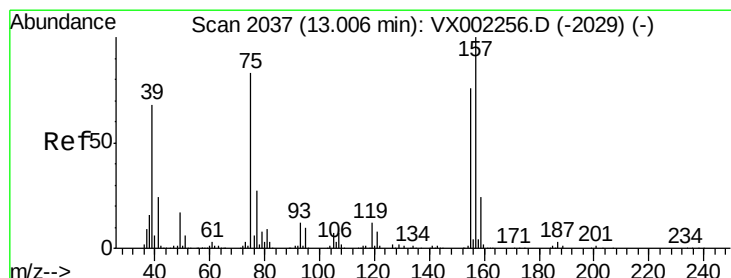
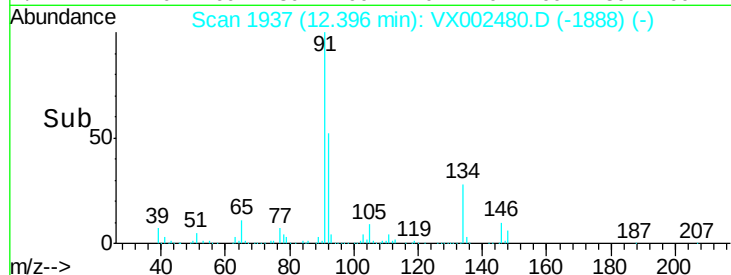
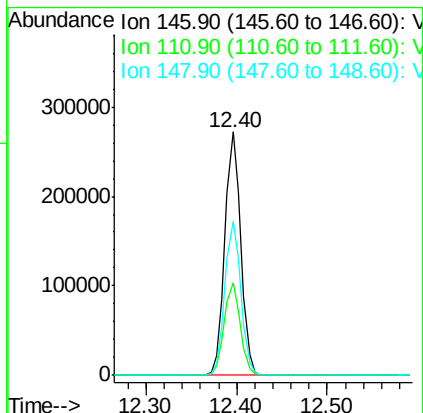
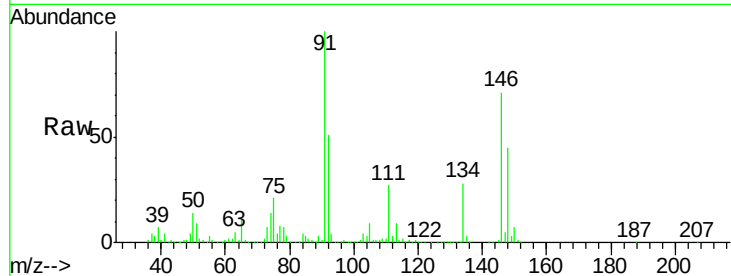
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	331758
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.4	58.1
148	63.9	31.7	95.1

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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.600 ug/l

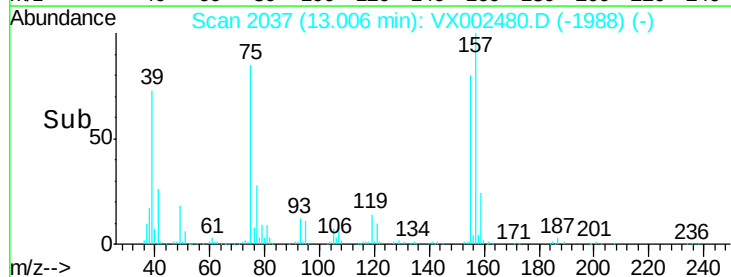
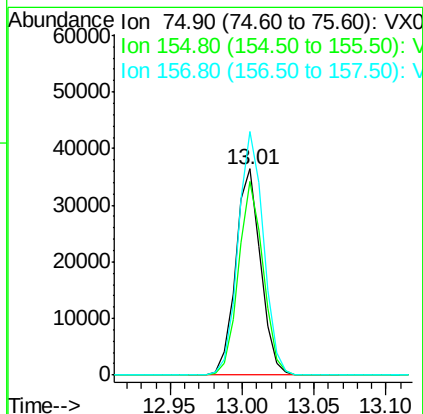
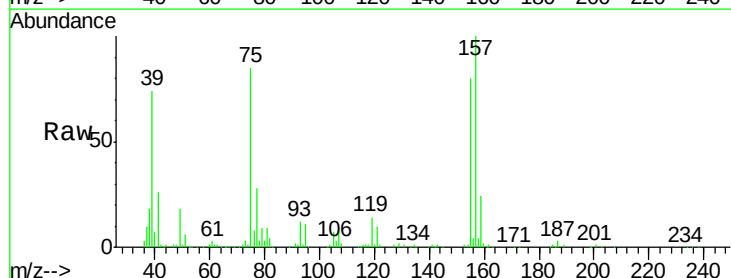
RT: 13.01 min Scan# 2037

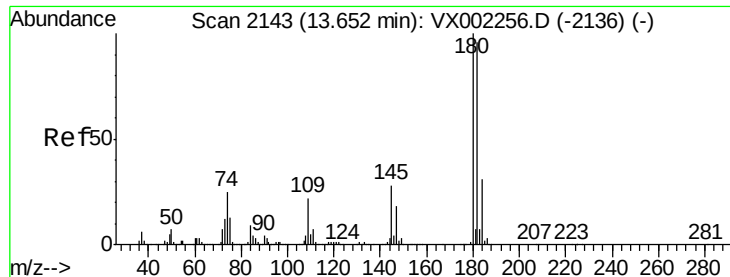
Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Tgt Ion:	75	Resp:	44143
Ion Ratio	Lower	Upper	
75	100		
155	91.8	45.8	137.4
157	119.2	60.1	180.3





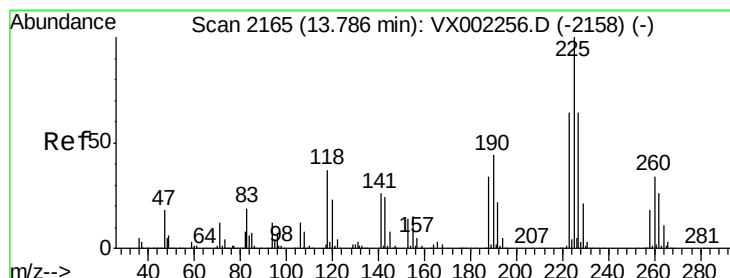
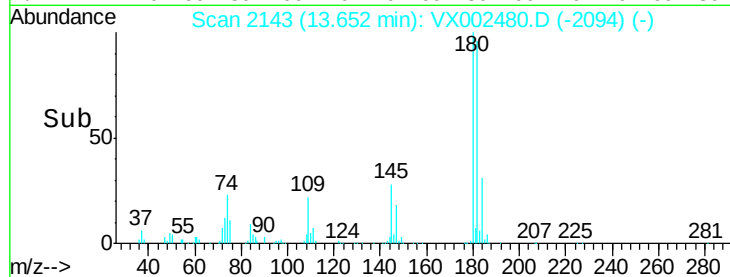
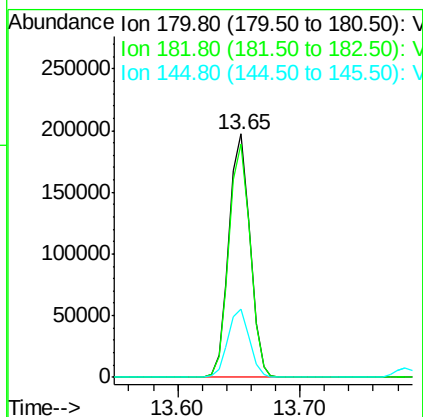
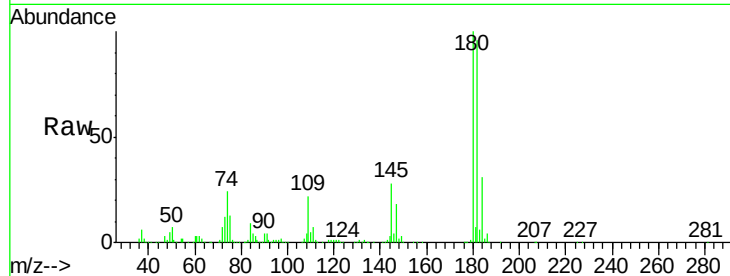
#93
1,2,4-Trichlorobenzene
Concen: 47.816 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	234792		
182	96.4	47.7	143.1	
145	28.4	14.1	42.4	

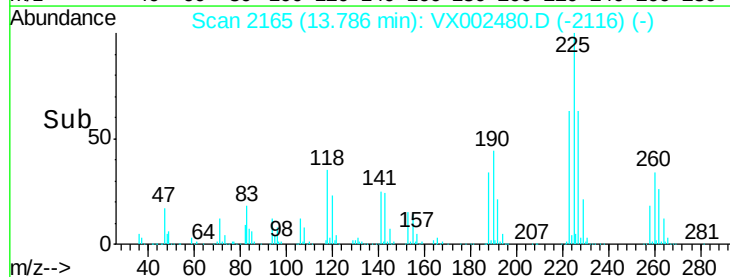
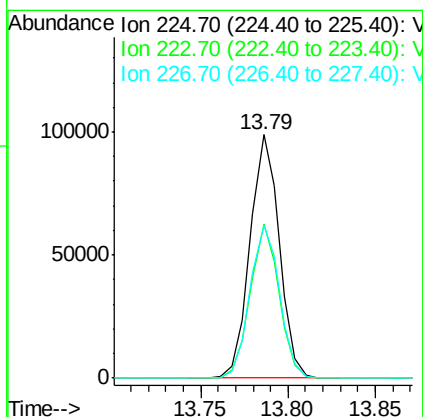
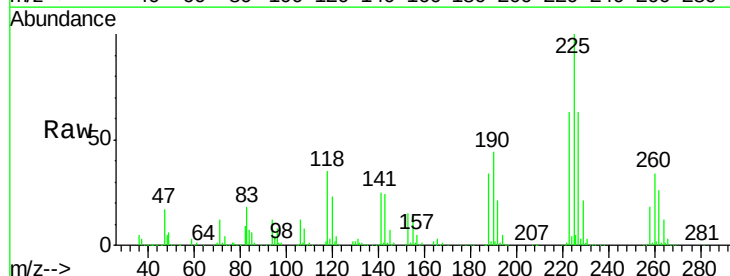
Manual Integrations
APPROVED

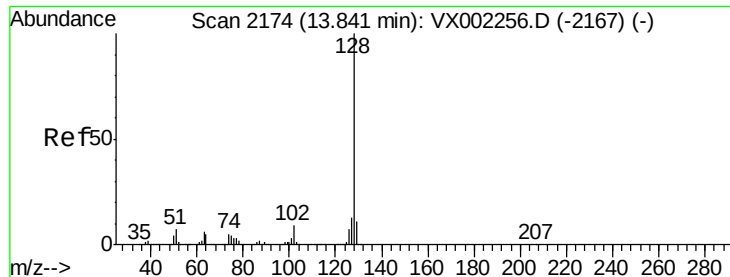
MMDadoda
6/13/2018 1:59:37 PM



#94
Hexachlorobutadiene
Concen: 47.491 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. -0.00 min
Lab File: VX002480.D
Acq: 12 Jun 2018 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	115235		
223	62.2	31.6	95.0	
227	63.7	32.4	97.2	





#95

Naphthalene

Concen: 48.930 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Instrument :

MSVOA_X

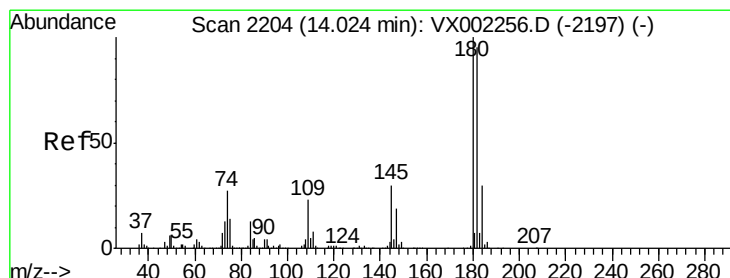
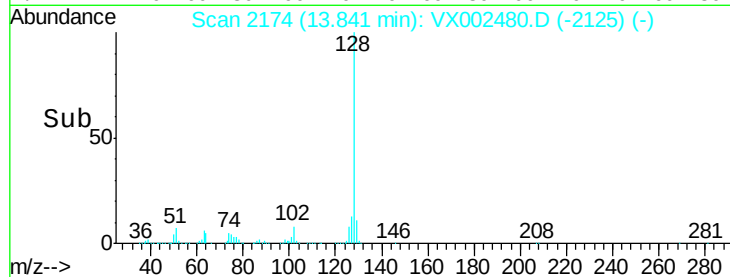
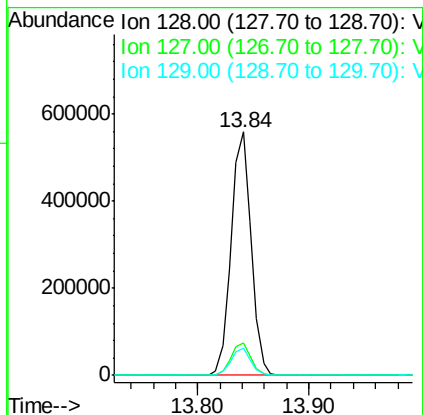
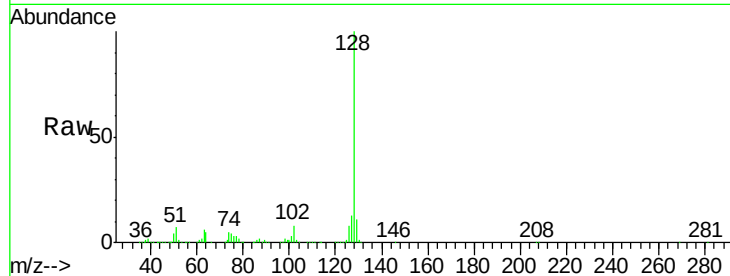
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	690327
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/13/2018 1:59:37 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.585 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002480.D

Acq: 12 Jun 2018 21:18

Tgt Ion:	180	Resp:	243303
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.0	144.0
145	29.7	14.8	44.3

