

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030619\
 Data File : VX007856.D
 Acq On : 06 Mar 2019 11:53
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 10:35:07 AM

Quant Time: Mar 07 07:36:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:50:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	277809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	404429	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	352398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194124	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	428155	146.10	ug/l	0.00
Spiked Amount			Recovery	=	292.20%	
35) Dibromofluoromethane	5.51	113	381733	147.56	ug/l	0.00
Spiked Amount			Recovery	=	295.12%	
50) Toluene-d8	8.71	98	1401775	147.54	ug/l	0.00
Spiked Amount			Recovery	=	295.08%	
62) 4-Bromofluorobenzene	11.14	95	524724	157.53	ug/l	0.00
Spiked Amount			Recovery	=	315.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	338792	142.741	ug/l	99
3) Chloromethane	1.33	50	416608	136.204	ug/l	99
4) Vinyl Chloride	1.41	62	442583	145.626	ug/l	99
7) Trichlorofluoromethane	1.92	101	560467	141.642	ug/l	96
8) Diethyl Ether	2.19	74	251031	146.505	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	350885	143.097	ug/l	99
10) Methyl Iodide	2.51	142	524769	150.854	ug/l	99
11) Tert butyl alcohol	3.10	59	496177	757.077	ug/l	99
12) 1,1-Dichloroethene	2.37	96	344340	145.683	ug/l	99
13) Acrolein	2.30	56	281390	711.030	ug/l	99
14) Allyl chloride	2.73	41	728020	146.579	ug/l	100
15) Acrylonitrile	3.16	53	1165620	704.619	ug/l	100
16) Acetone	2.46	43	1098867	647.817	ug/l	100
17) Carbon Disulfide	2.56	76	1069115	134.715	ug/l	100
18) Methyl Acetate	2.78	43	518510	143.886	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1191367	146.513	ug/l	100
20) Methylene Chloride	2.85	84	372478	137.975	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	367262	141.214	ug/l	100
22) Diisopropyl ether	3.87	45	1310244	143.911	ug/l	99
23) Vinyl Acetate	3.83	43	5816729	728.550	ug/l	99
24) 1,1-Dichloroethane	3.70	63	712439	145.408	ug/l	100
25) 2-Butanone	4.71	43	1666192	693.823	ug/l	99
26) 2,2-Dichloropropane	4.59	77	495701	152.710	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	431667	145.048	ug/l	100
28) Bromochloromethane	5.02	49	318354	139.371	ug/l	99
29) Tetrahydrofuran	5.16	42	1083309	723.193	ug/l	100
30) Chloroform	5.22	83	675521	145.753	ug/l	100
31) Cyclohexane	5.57	56	671519	149.125	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	582916	151.586	ug/l	99
36) 1,1-Dichloropropene	5.80	75	529039	144.467	ug/l	100
37) Ethyl Acetate	4.86	43	618130	142.239	ug/l	100
38) Carbon Tetrachloride	5.78	117	526398	151.411	ug/l	99
39) Methylcyclohexane	7.46	83	669956	150.981	ug/l	98
40) Benzene	6.14	78	1595273	146.328	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:50:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.07	41	346310	146.167	ug/l	100
42) 1,2-Dichloroethane	6.20	62	513791	144.108	ug/l	100
43) Isopropyl Acetate	6.46	43	968614	150.605	ug/l	100
44) Trichloroethene	7.21	130	433689	144.351	ug/l	99
45) 1,2-Dichloropropane	7.51	63	423291	147.005	ug/l	100
46) Dibromomethane	7.66	93	265283	145.580	ug/l	99
47) Bromodichloromethane	7.90	83	523933	151.649	ug/l	99
48) Methyl methacrylate	7.77	41	501748	148.384	ug/l	100
49) 1,4-Dioxane	7.76	88	209790	3020.227	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	3049540	737.297	ug/l	99
52) Toluene	8.79	92	969665	145.684	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	598086	165.857	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	656454	161.207	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	388318	144.120	ug/l	100
56) Ethyl methacrylate	9.18	69	639944	158.186	ug/l	99
57) 1,3-Dichloropropane	9.37	76	652916	144.320	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1597451	763.362	ug/l	100
59) 2-Hexanone	9.50	43	2401568	747.875	ug/l	99
60) Dibromochloromethane	9.59	129	437688	155.413	ug/l	99
61) 1,2-Dibromoethane	9.67	107	418367	146.247	ug/l	99
64) Tetrachloroethene	9.34	164	391427	134.037	ug/l	99
65) Chlorobenzene	10.14	112	1066886	144.678	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	396369	149.975	ug/l	100
67) Ethyl Benzene	10.25	91	1819433	149.887	ug/l	100
68) m/p-Xylenes	10.36	106	1405620	300.419	ug/l	99
69) o-Xylene	10.70	106	687135	152.116	ug/l	99
70) Styrene	10.71	104	1148889	155.427	ug/l	99
71) Bromoform	10.86	173	376993	166.101	ug/l #	100
73) Isopropylbenzene	11.02	105	1821386	138.731	ug/l	100
74) N-amyl acetate	10.90	43	899932	150.147	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	625136	138.040	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	580373m	141.300	ug/l	
77) Bromobenzene	11.26	156	492735	136.890	ug/l	98
78) n-propylbenzene	11.36	91	2085981	143.219	ug/l	100
79) 2-Chlorotoluene	11.42	91	1228931	137.999	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1543160	142.809	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	216110	169.581	ug/l	95
82) 4-Chlorotoluene	11.51	91	1447761	141.860	ug/l	100
83) tert-Butylbenzene	11.77	119	1601517	147.136	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1602472	144.663	ug/l	99
85) sec-Butylbenzene	11.94	105	1872840	146.094	ug/l	100
86) p-Isopropyltoluene	12.07	119	1706012	148.598	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	911578	143.150	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	914260	140.084	ug/l	100
89) n-Butylbenzene	12.39	91	1523657	156.648	ug/l	100
90) Hexachloroethane	12.60	117	300625	156.614	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	896276	141.678	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	144269	152.432	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	685007	154.139	ug/l	100
94) Hexachlorobutadiene	13.78	225	342529	147.421	ug/l	99

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MSVOA_X
ClientSampleId :
VSTDICC150

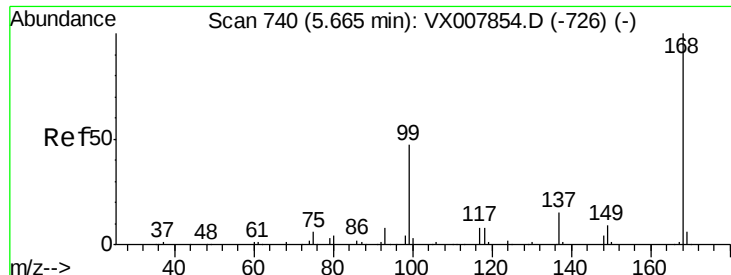
Manual Integrations
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3/7/2019 10:35:07 AM

Quant Time: Mar 07 07:36:20 2019
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Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:50:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	13.83	128	1989567	155.375	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	662184	149.576	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 277809

Ion Ratio Lower Upper

168 100

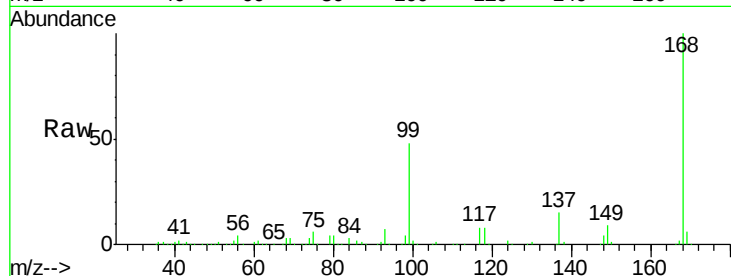
99 48.1 37.6 56.4

Manual Integrations

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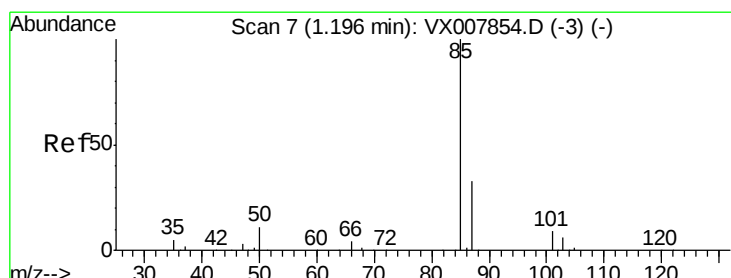
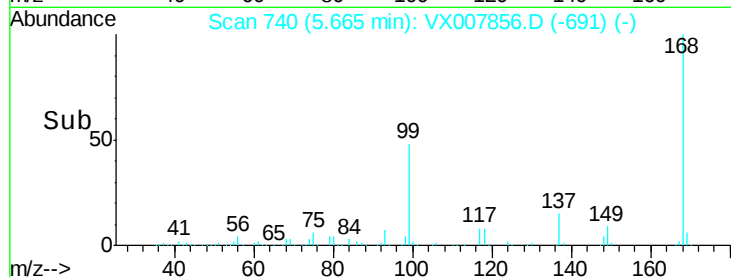
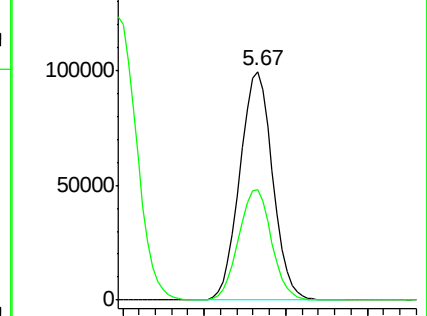
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 142.741 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007856.D

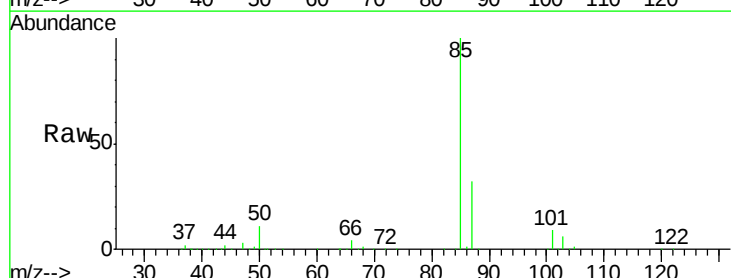
Acq: 06 Mar 2019 11:53

Tgt Ion: 85 Resp: 338792

Ion Ratio Lower Upper

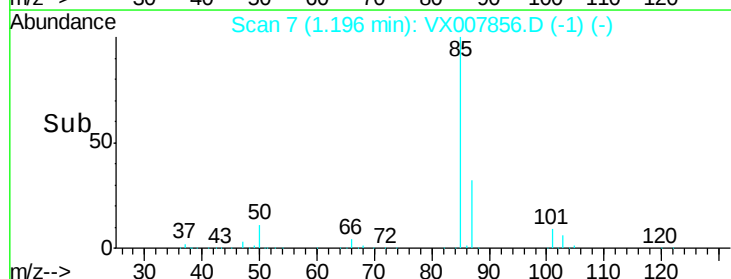
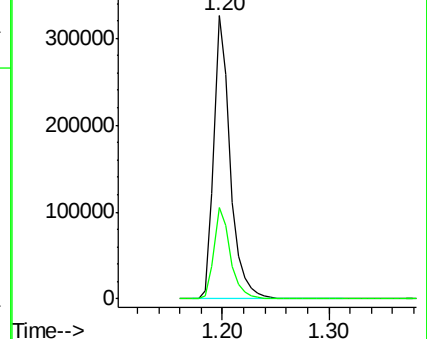
85 100

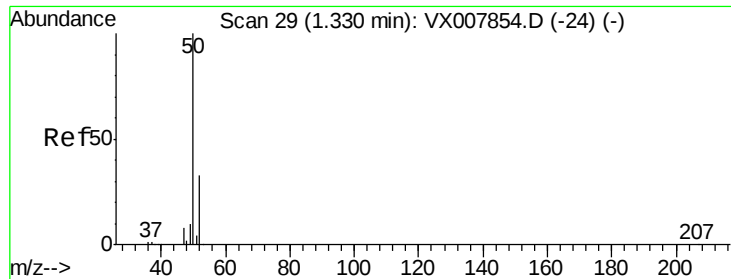
87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 136.204 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 416608

Ion Ratio Lower Upper

50 100

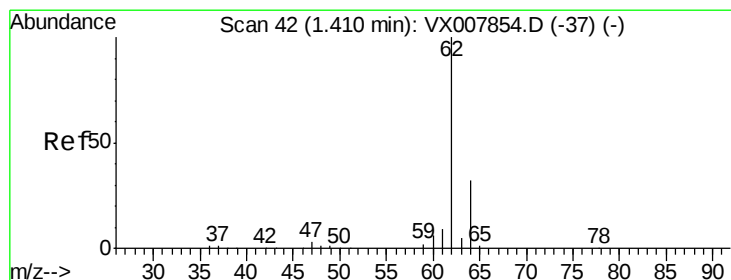
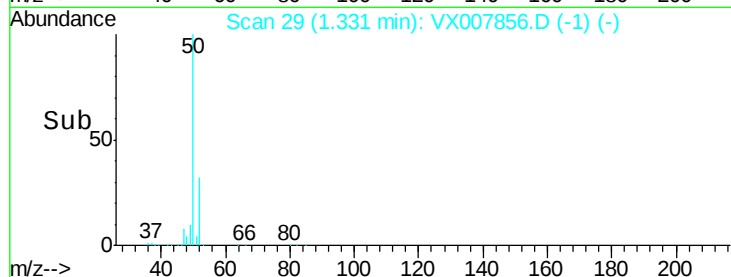
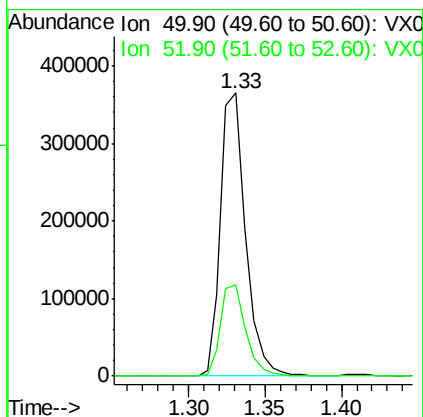
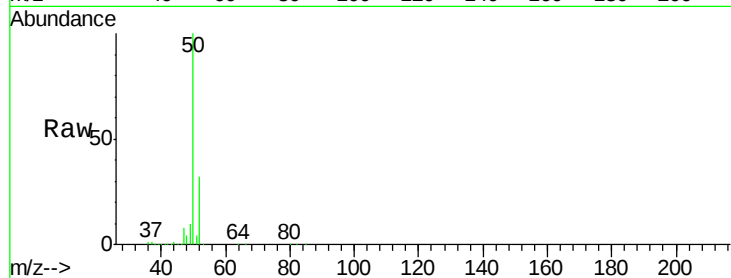
52 32.5 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 145.626 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007856.D

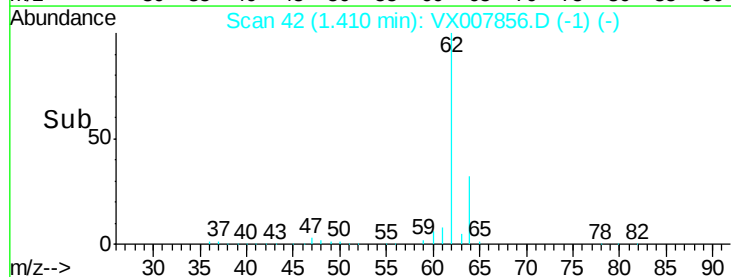
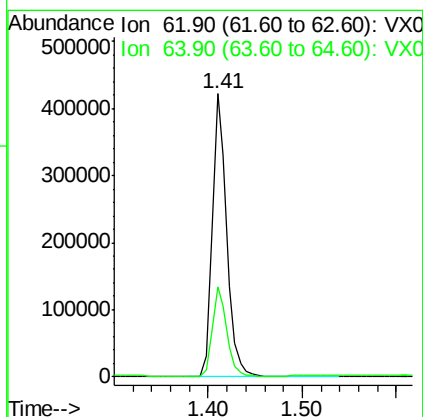
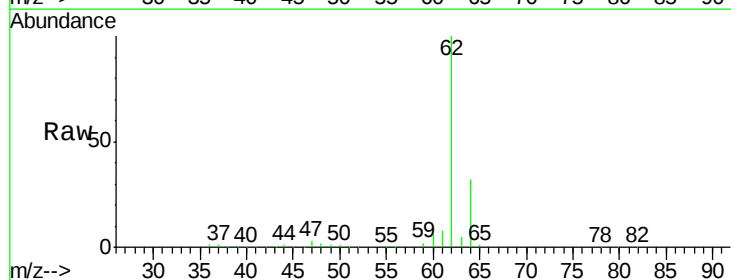
Acq: 06 Mar 2019 11:53

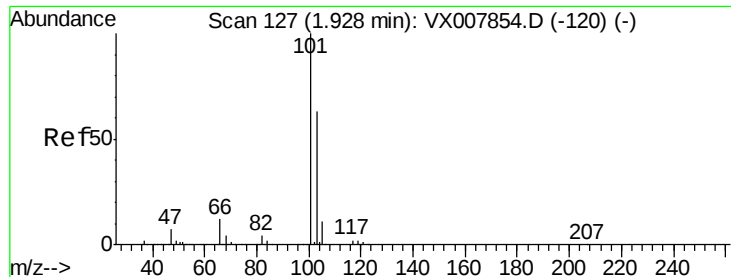
Tgt Ion: 62 Resp: 442583

Ion Ratio Lower Upper

62 100

64 32.0 25.3 37.9





#7

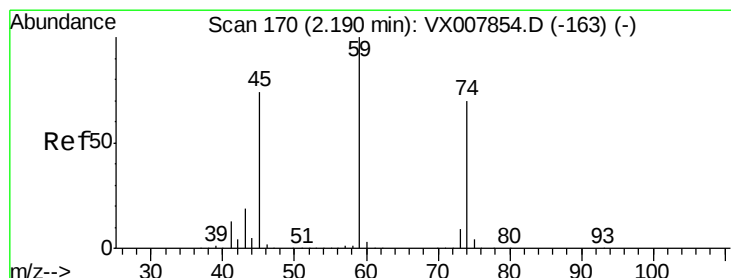
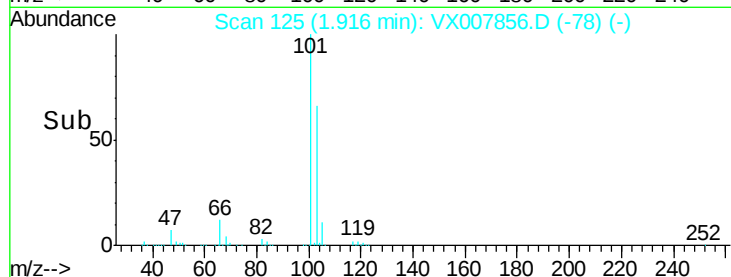
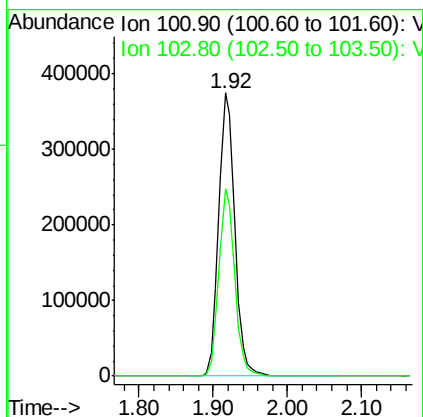
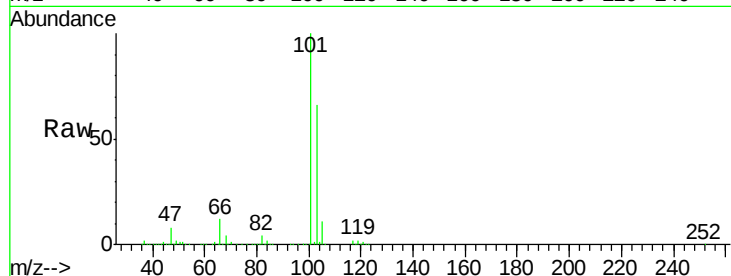
Trichlorofluoromethane
Concen: 141.642 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	50.4	75.6

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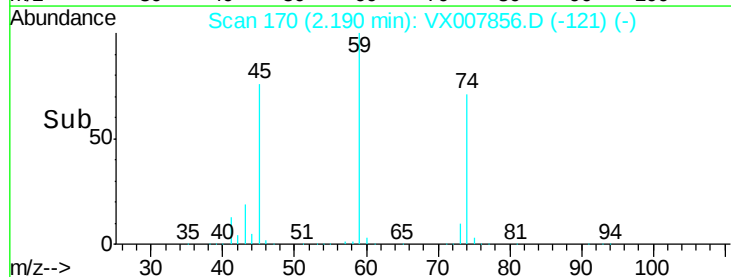
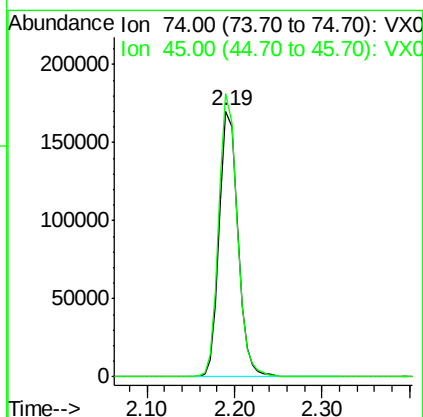
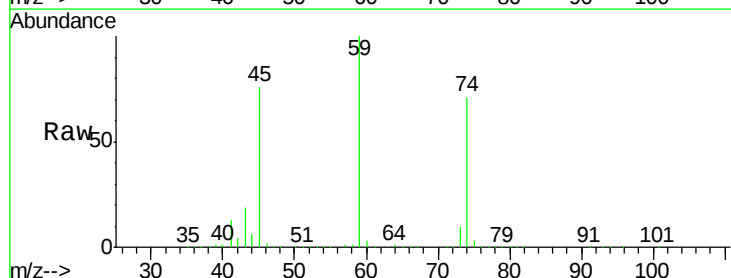
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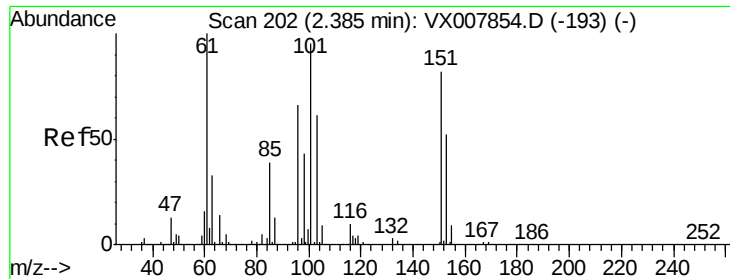


#8

Diethyl Ether
Concen: 146.505 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.6	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 143.097 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

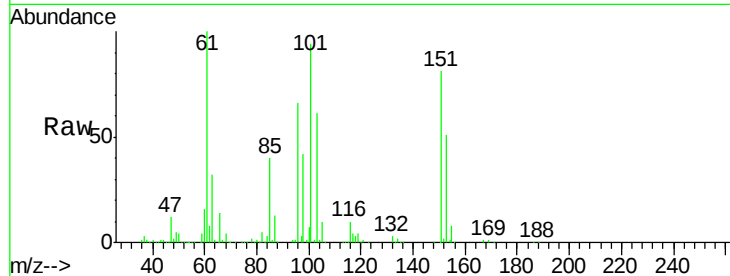
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VSTDIC150

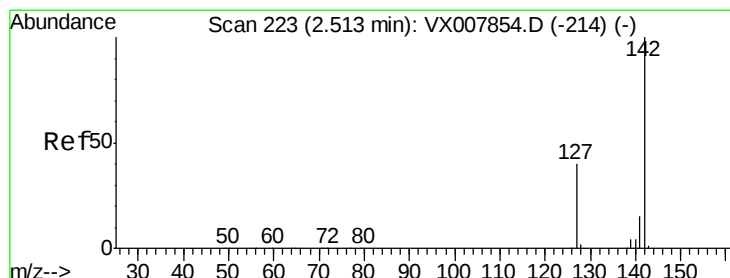
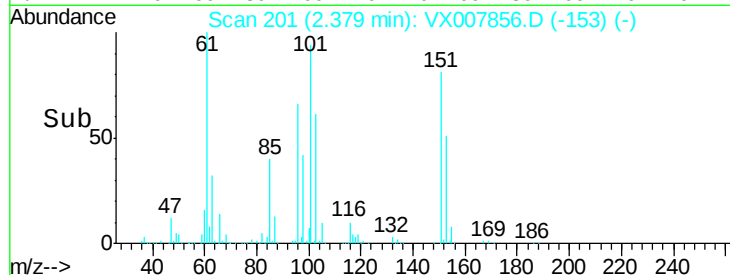
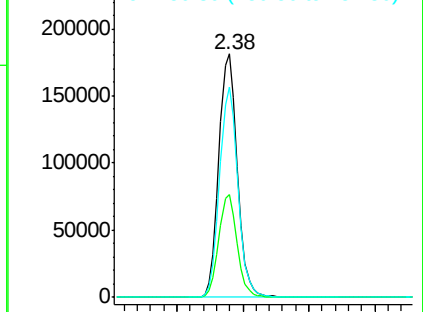
Tot Ion:	101	Resp:	350885
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.8	50.6
151	85.9	69.1	103.7

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



#10

Methyl Iodide

Concen: 150.854 ug/l

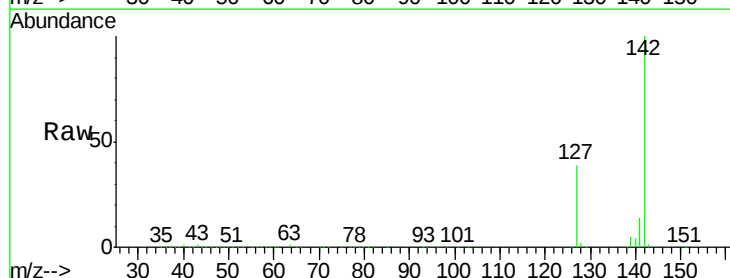
RT: 2.51 min Scan# 222

Delta R.T. -0.01 min

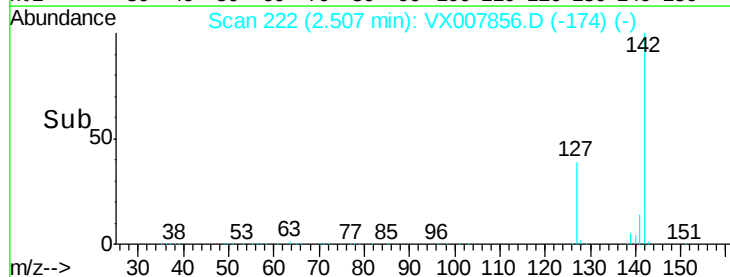
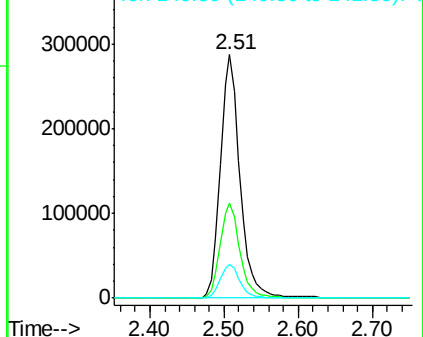
Lab File: VX007856.D

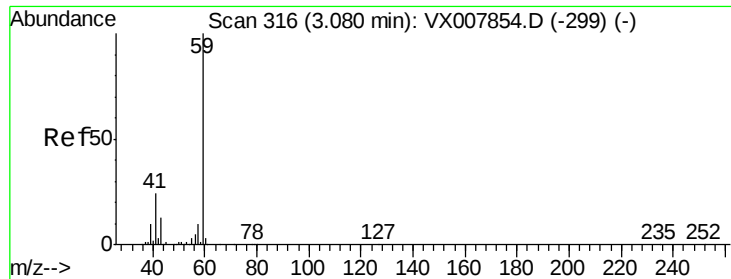
Acq: 06 Mar 2019 11:53

Tgt Ion:	142	Resp:	524769
Ion Ratio	Lower	Upper	
142	100		
127	39.3	32.1	48.1
141	14.1	11.4	17.2



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





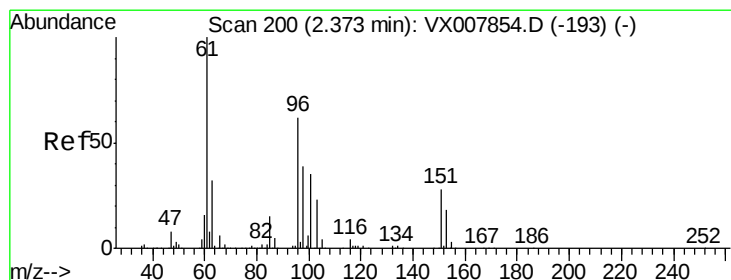
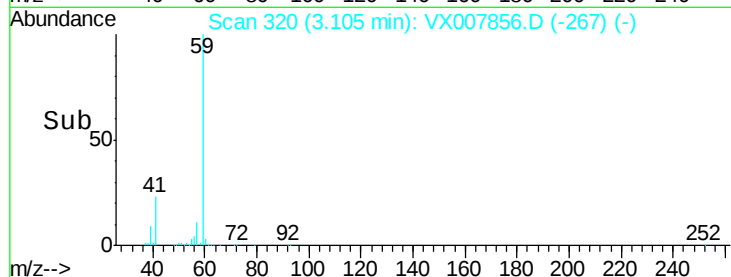
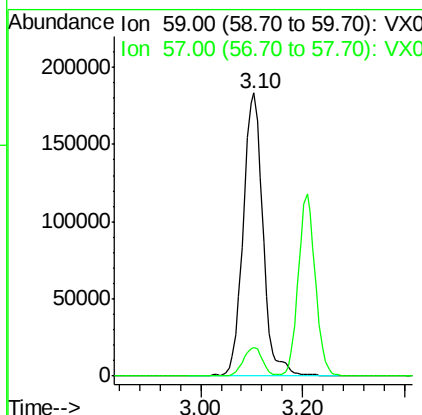
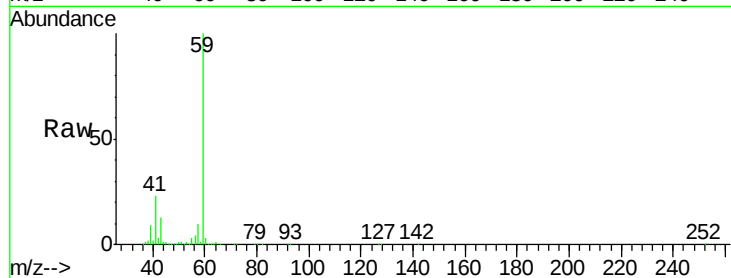
#11
Tert butyl alcohol
Concen: 757.077 ug/l
RT: 3.10 min Scan# 320
Delta R.T. 0.02 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

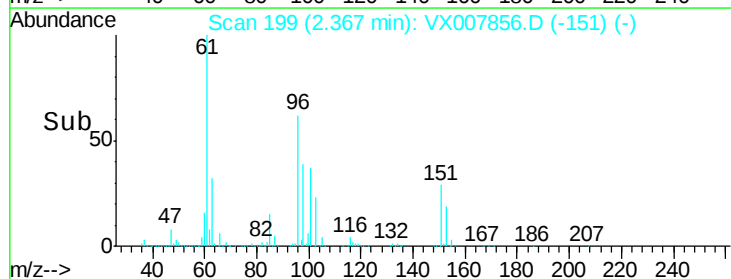
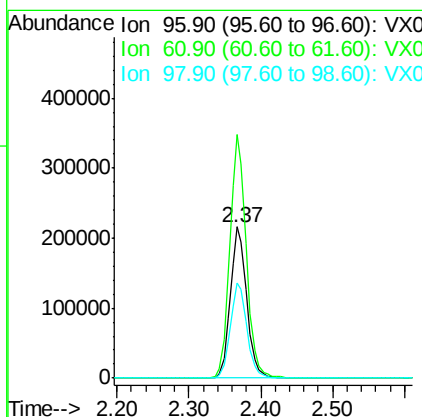
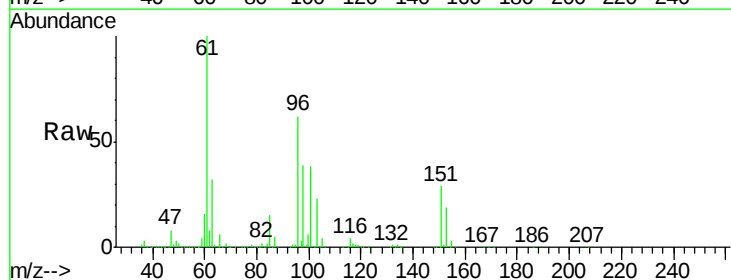
Manual Integrations
APPROVED

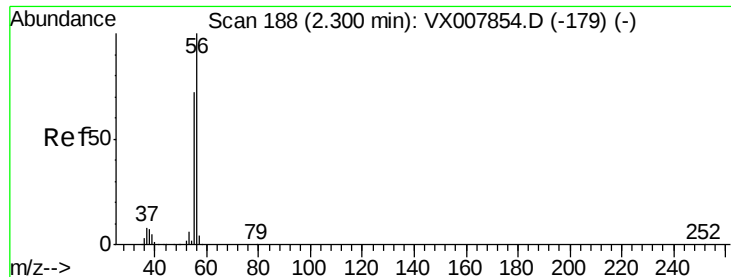
MMDadoda
3/7/2019 10:35:07 AM



#12
1,1-Dichloroethene
Concen: 145.683 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.4	129.8	194.6
98	63.4	51.0	76.6





#13

Acrolein

Concen: 711.030 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 56 Resp: 281390

Ion Ratio Lower Upper

56 100

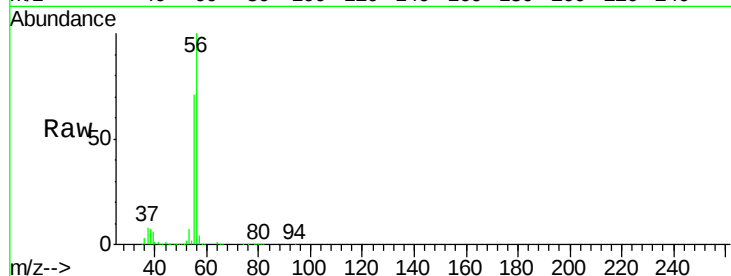
55 71.6 57.8 86.6

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

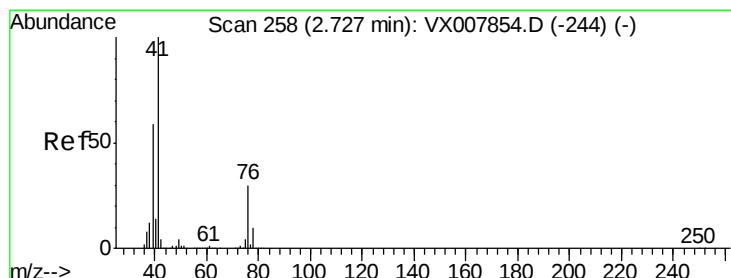
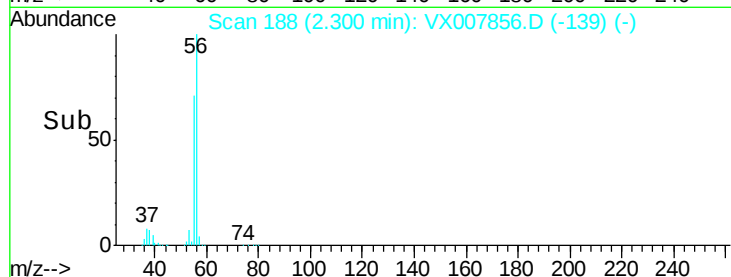
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 146.579 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

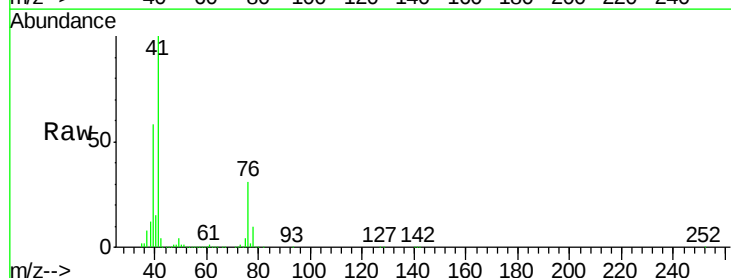
Tgt Ion: 41 Resp: 728020

Ion Ratio Lower Upper

41 100

39 57.2 46.1 69.1

76 30.2 24.0 36.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.73

500000

400000

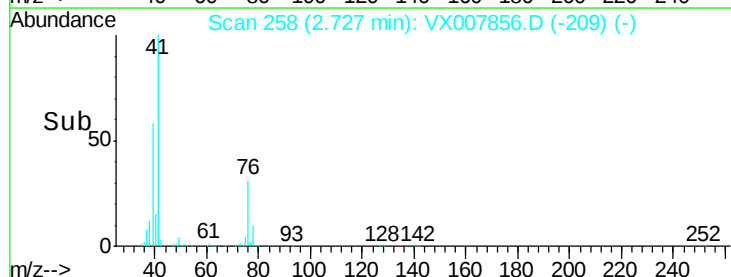
300000

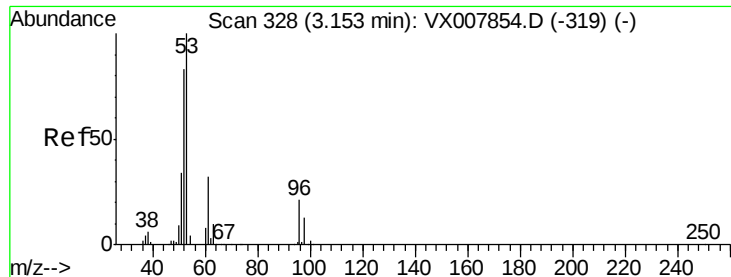
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 704.619 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1165620

Ion Ratio Lower Upper

53 100

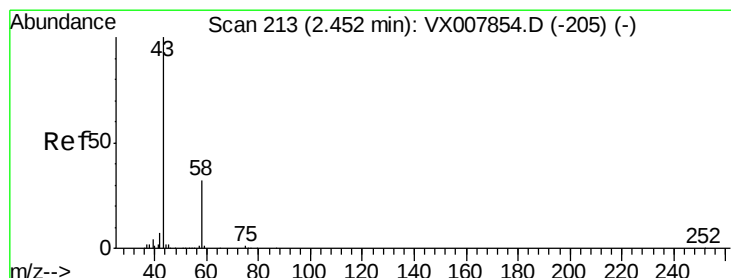
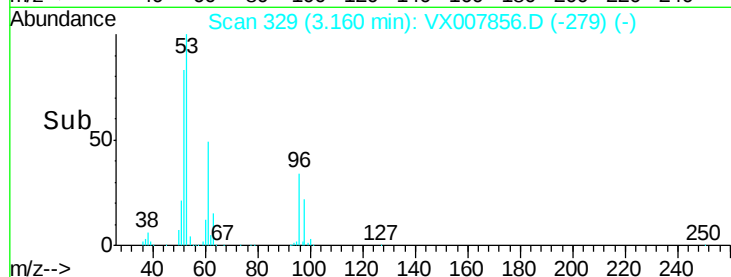
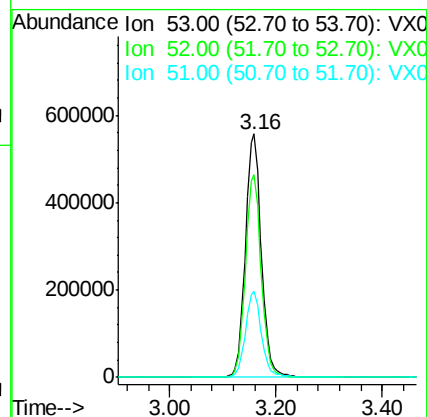
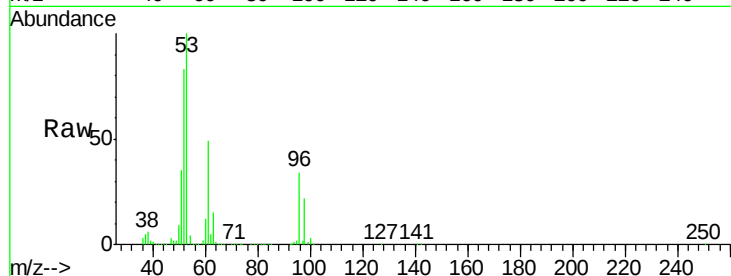
52 82.2 66.0 99.0

51 35.3 28.0 42.0

Manual Integrations
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#16

Acetone

Concen: 647.817 ug/l

RT: 2.46 min Scan# 214

Delta R.T. 0.01 min

Lab File: VX007856.D

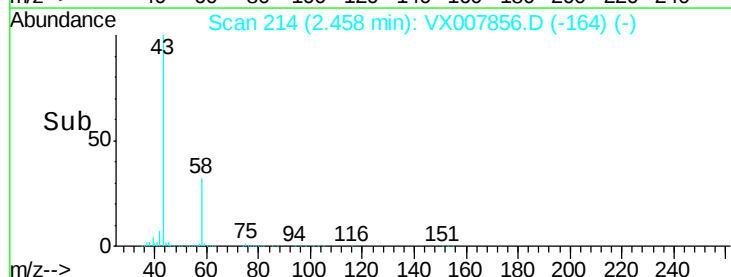
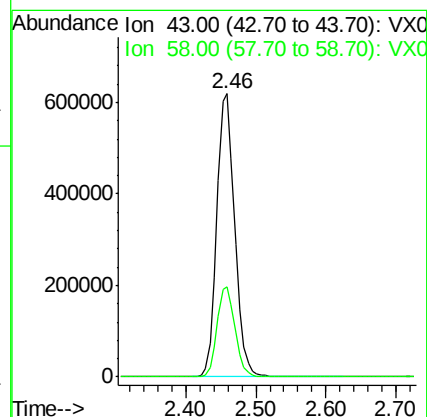
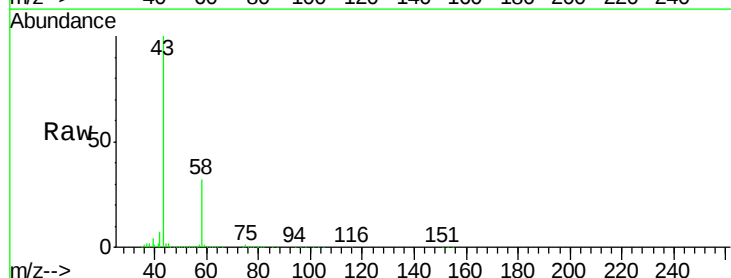
Acq: 06 Mar 2019 11:53

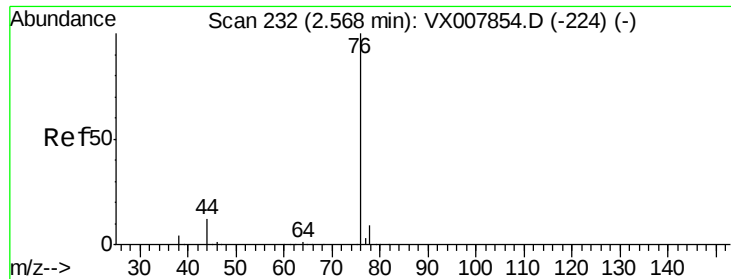
Tgt Ion: 43 Resp: 1098867

Ion Ratio Lower Upper

43 100

58 32.0 25.5 38.3





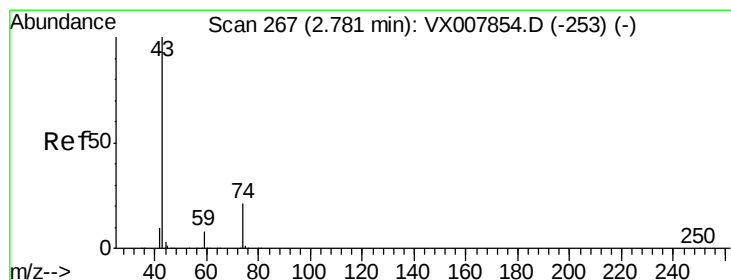
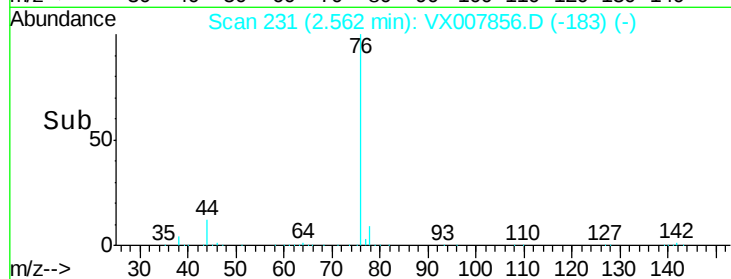
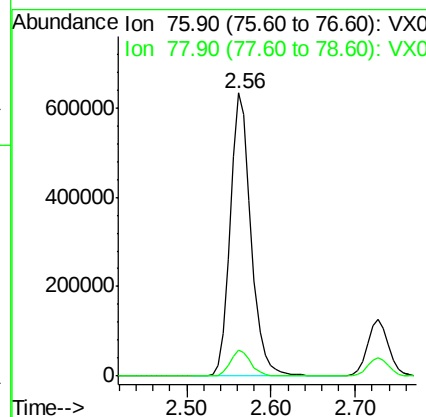
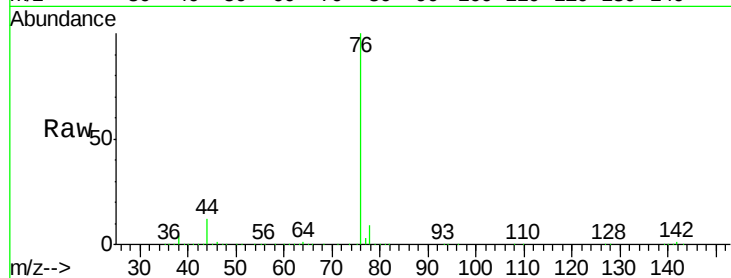
#17
Carbon Disulfide
Concen: 134.715 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion: 76 Resp: 1069115
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

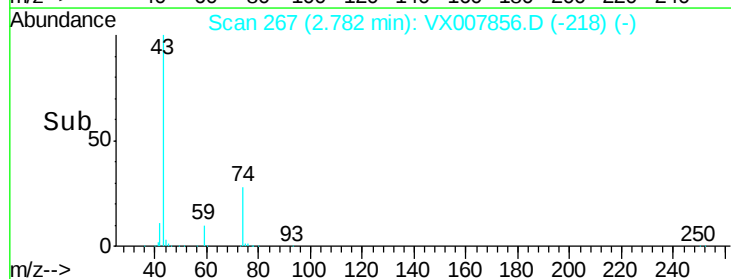
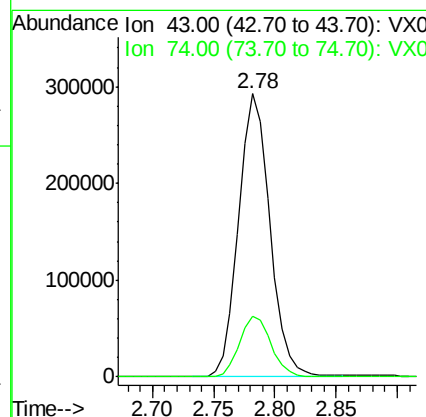
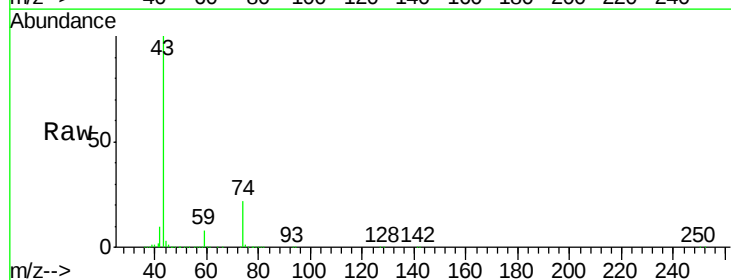
Manual Integrations
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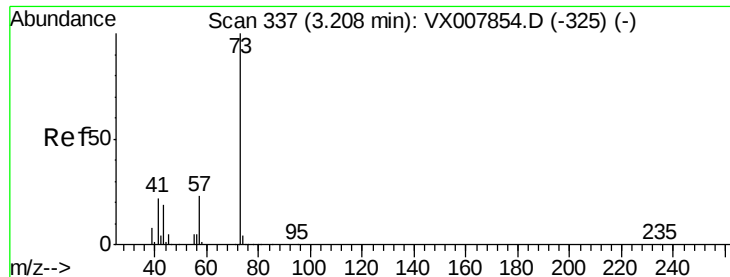
MMDadoda
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#18
Methyl Acetate
Concen: 143.886 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Tgt Ion: 43 Resp: 518510
Ion Ratio Lower Upper
43 100
74 21.9 17.8 26.6





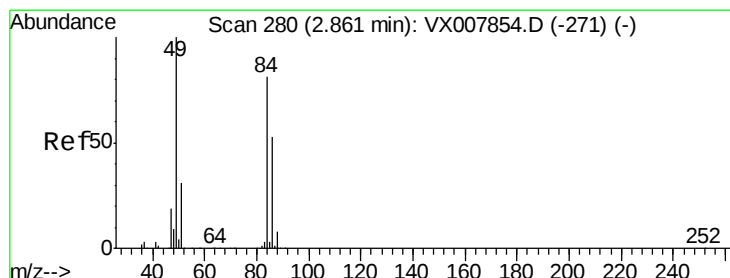
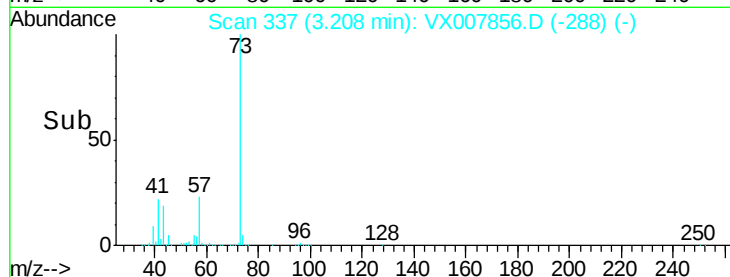
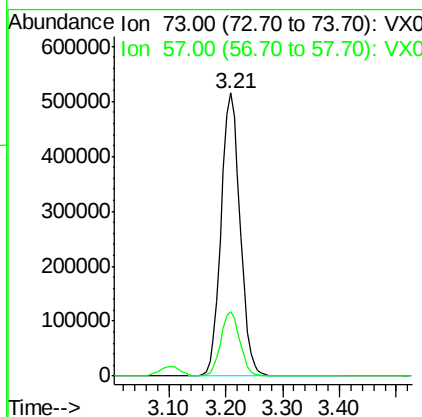
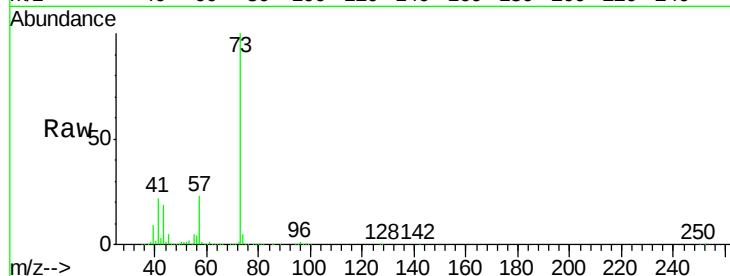
#19
Methyl tert-butyl Ether
Concen: 146.513 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion: 73 Resp: 1191367
Ion Ratio Lower Upper
73 100
57 22.9 18.2 27.4

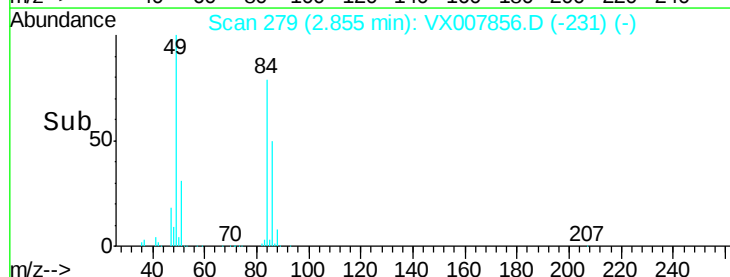
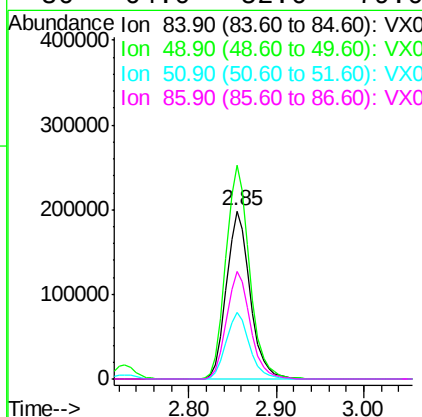
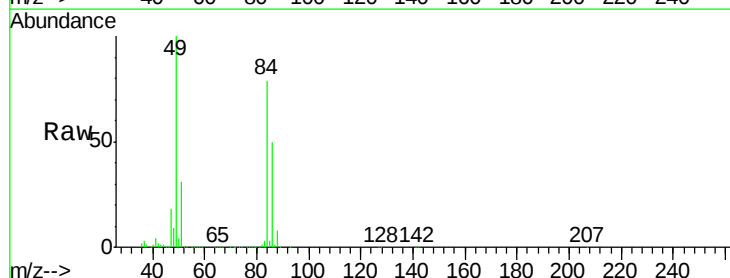
Manual Integrations
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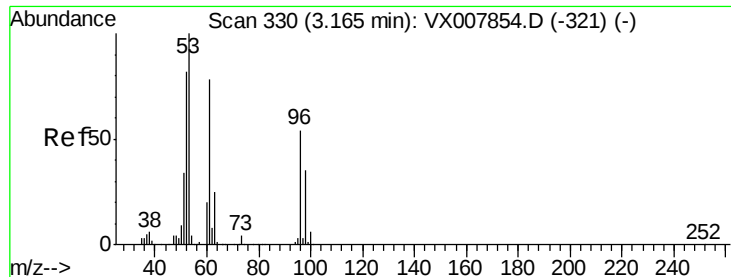
MMDadoda
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#20
Methylene Chloride
Concen: 137.975 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Tgt Ion: 84 Resp: 372478
Ion Ratio Lower Upper
84 100
49 127.3 99.3 148.9
51 39.5 31.3 46.9
86 64.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 141.214 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

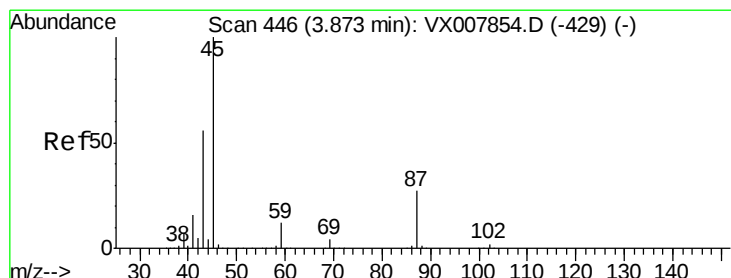
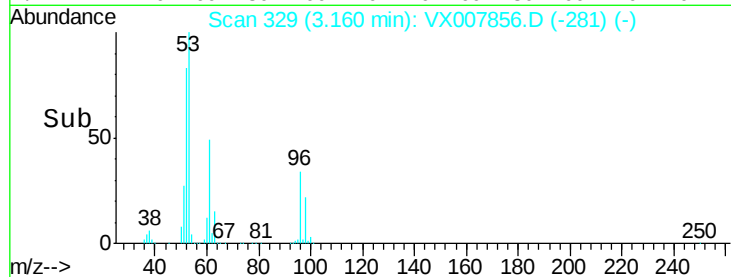
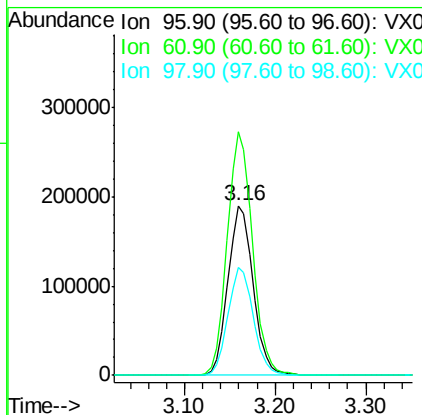
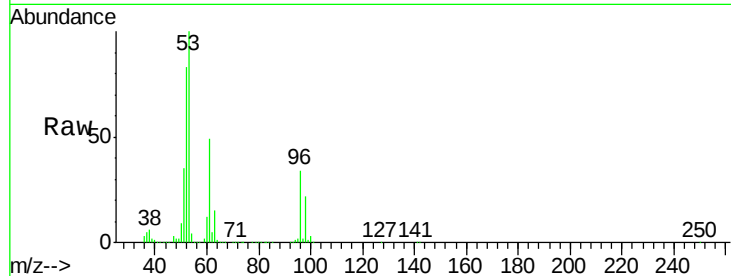
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	367262
Ion	Ratio	Lower	Upper
96	100		
61	143.6	114.4	171.6
98	64.0	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 143.911 ug/l

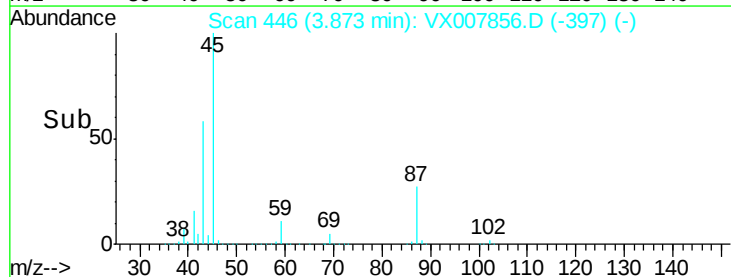
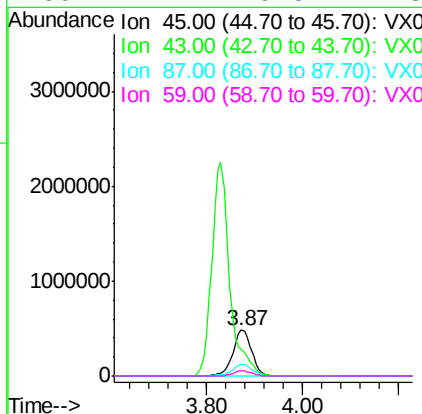
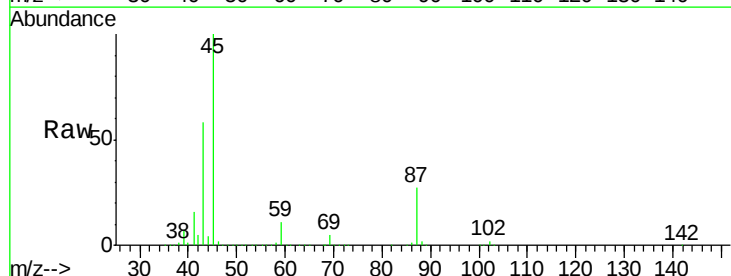
RT: 3.87 min Scan# 446

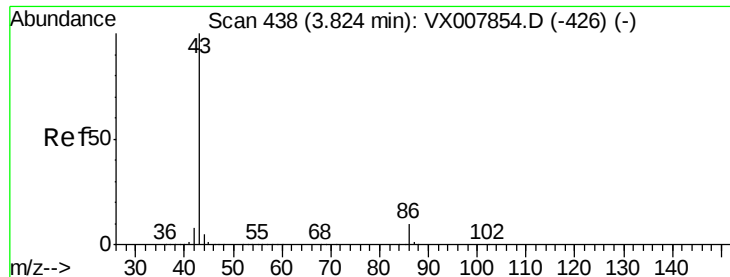
Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Tgt Ion:	45	Resp:	1310244
Ion	Ratio	Lower	Upper
45	100		
43	58.0	45.3	67.9
87	26.5	21.4	32.0
59	11.2	9.5	14.3





#23

Vinyl Acetate

Concen: 728.550 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 5816729

Ion Ratio Lower Upper

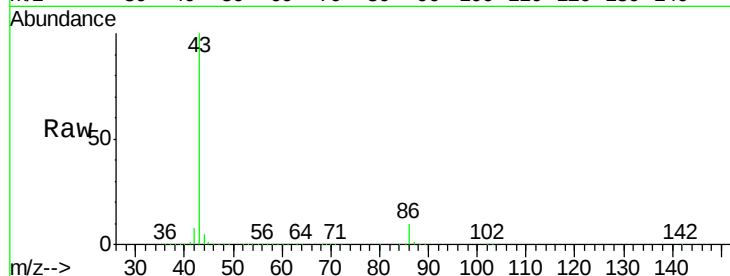
43 100

86 10.2 7.9 11.9

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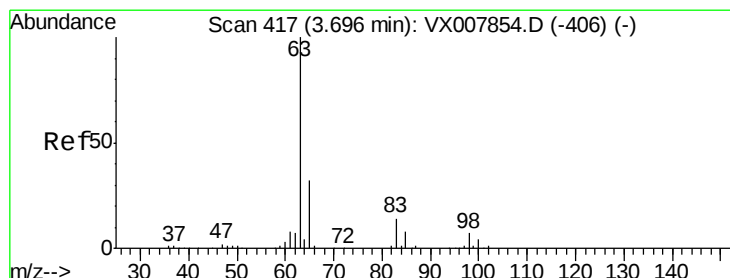
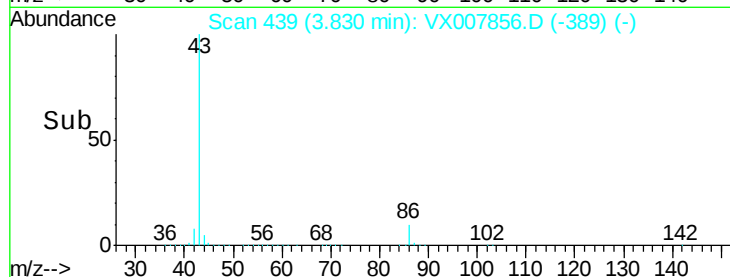
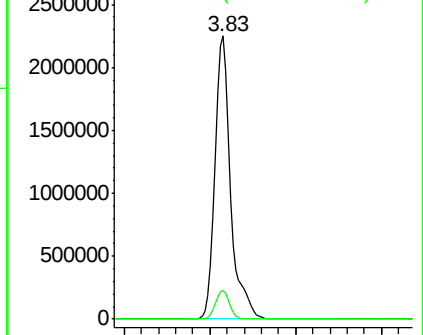
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 145.408 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

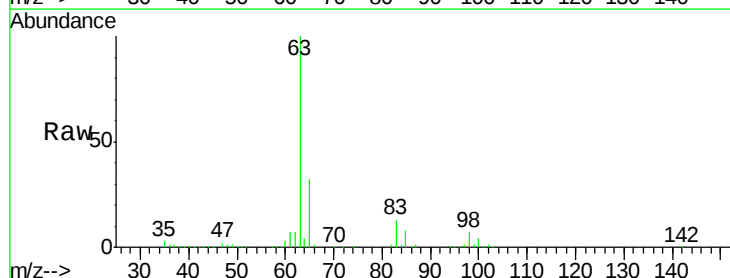
Tgt Ion: 63 Resp: 712439

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

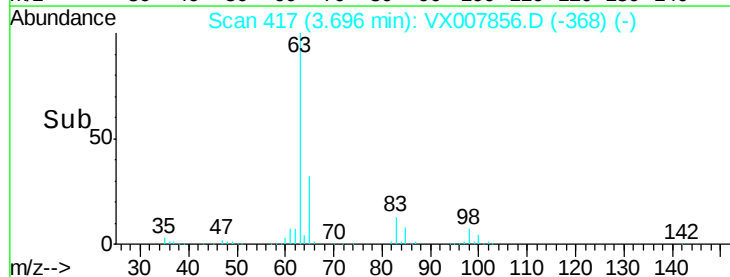
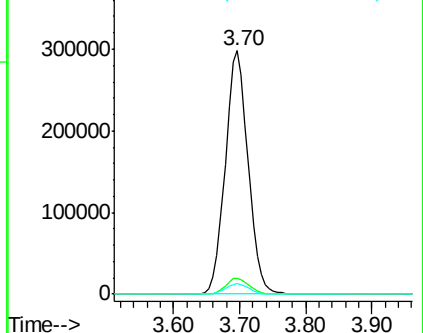
100 4.3 2.3 6.8

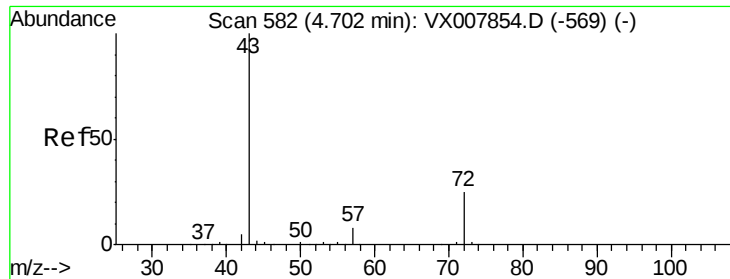


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 693.823 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1666192

Ion Ratio Lower Upper

43 100

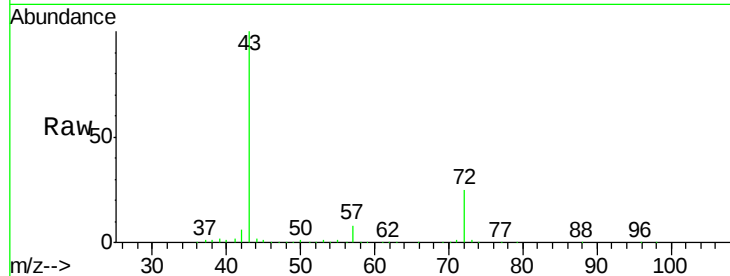
72 25.2 19.9 29.9

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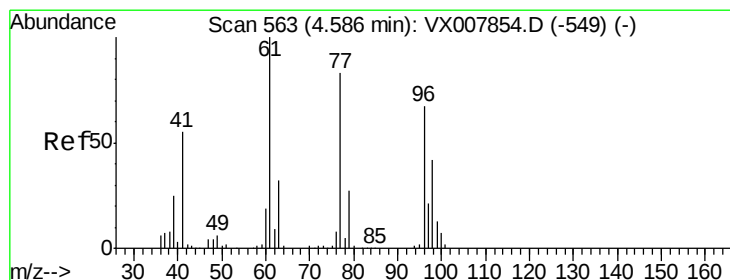
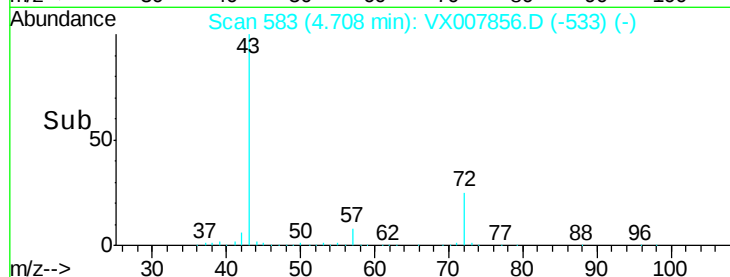
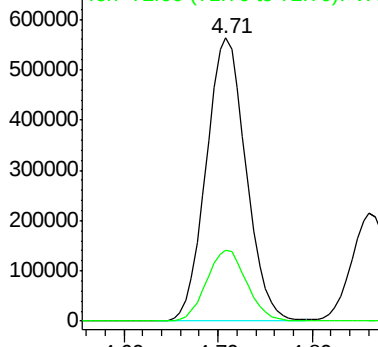
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 152.710 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007856.D

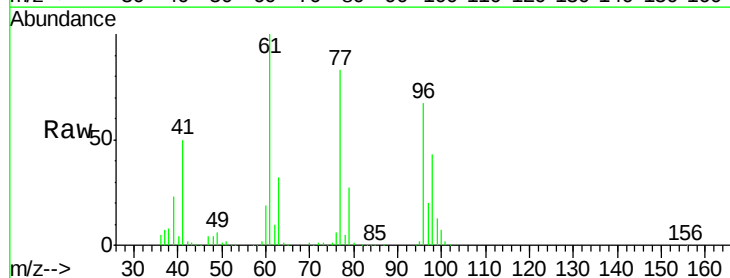
Acq: 06 Mar 2019 11:53

Tgt Ion: 77 Resp: 495701

Ion Ratio Lower Upper

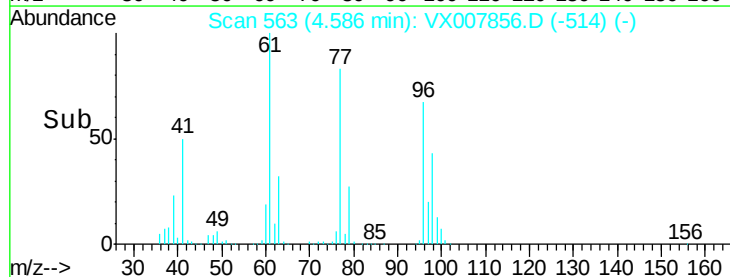
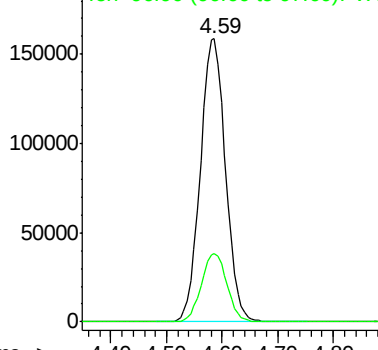
77 100

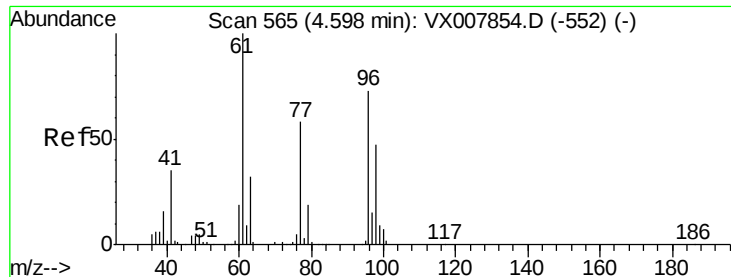
97 24.6 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

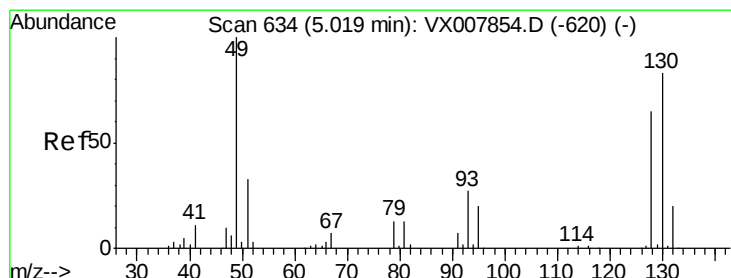
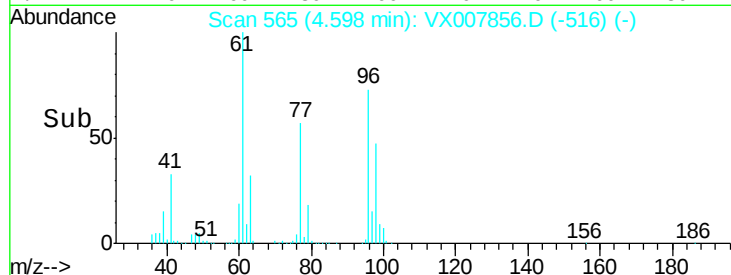
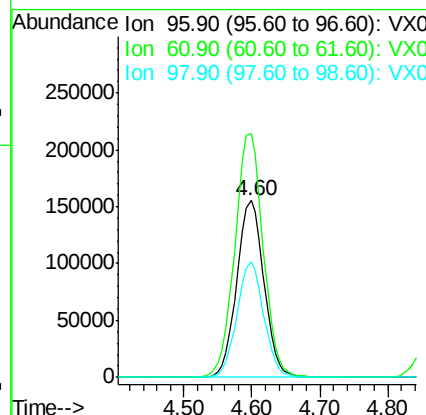
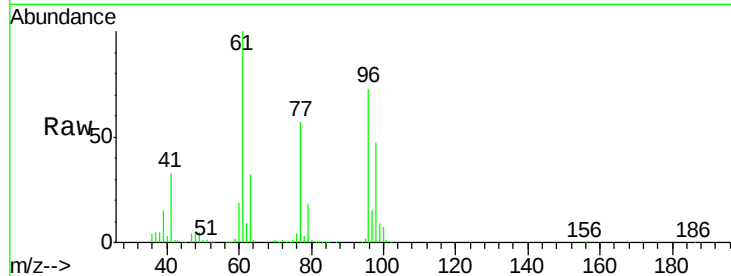
cis-1,2-Dichloroethene
Concen: 145.048 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	431667		
61	143.8	0.0	288.0	
98	64.7	0.0	129.0	

Manual Integrations
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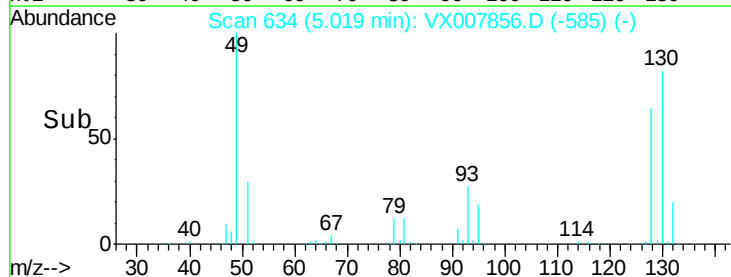
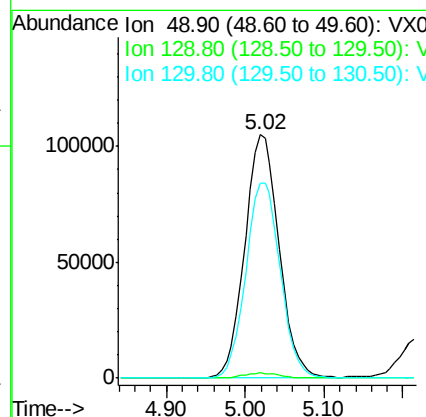
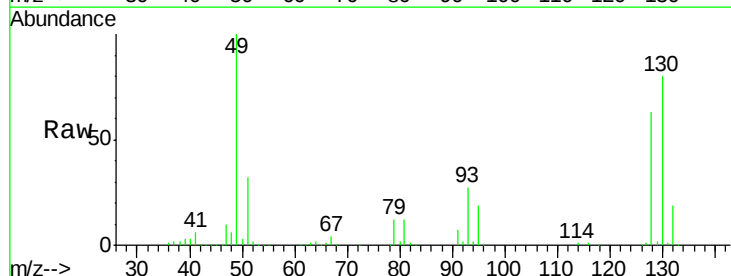
MMDadoda
3/7/2019 10:35:07 AM

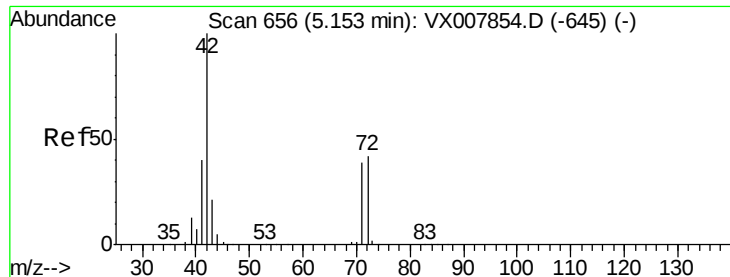


#28

Bromochloromethane
Concen: 139.371 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	318354		
129	2.1	0.0	4.0	
130	80.7	65.0	97.4	





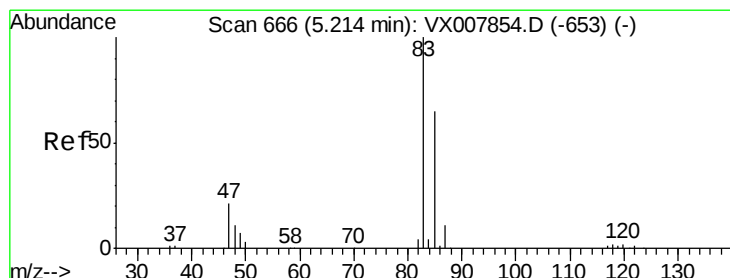
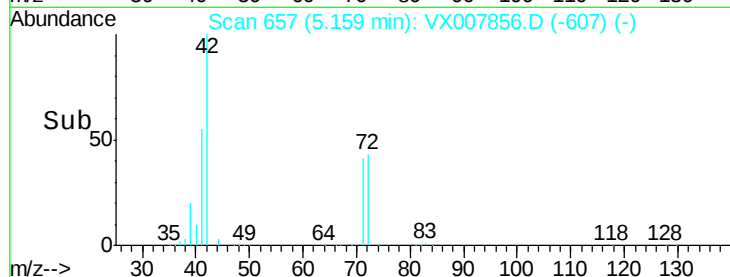
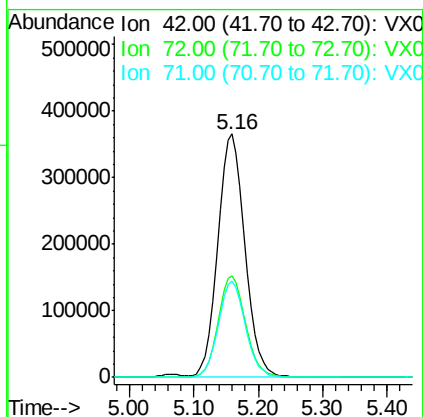
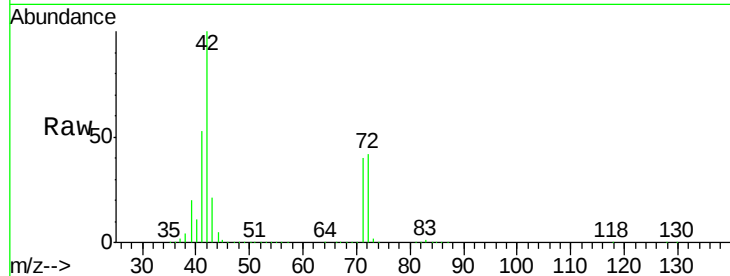
#29
Tetrahydrofuran
Concen: 723.193 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1083309
Ion Ratio Lower Upper
42 100
72 42.2 33.8 50.6
71 39.6 31.5 47.3

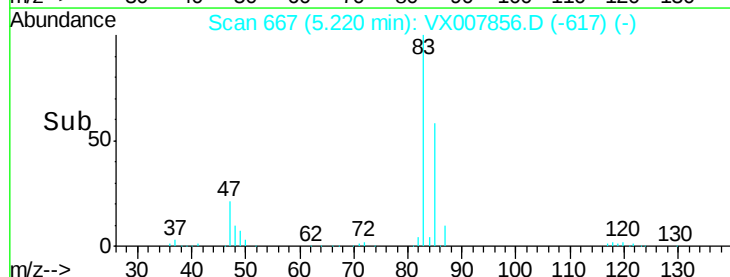
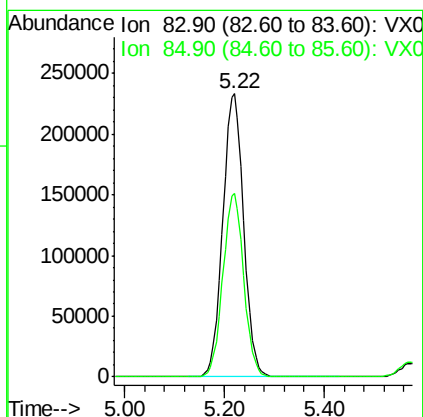
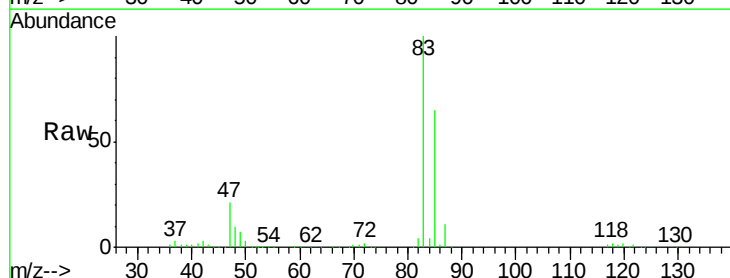
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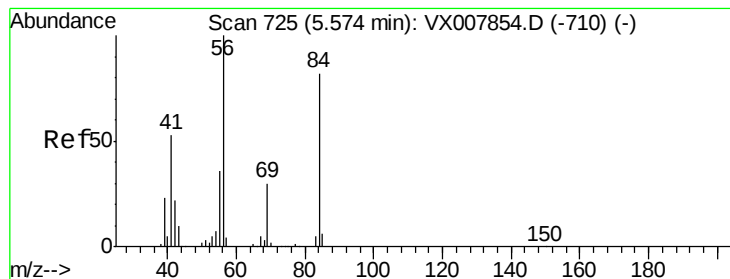
MMDadoda
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#30
Chloroform
Concen: 145.753 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Tgt Ion: 83 Resp: 675521
Ion Ratio Lower Upper
83 100
85 64.8 51.8 77.6





#31

Cvclohexane

Concen: 149.125 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

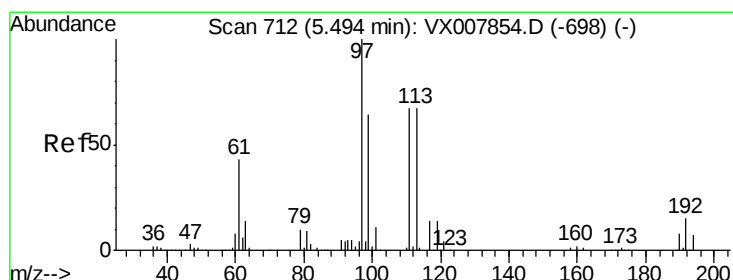
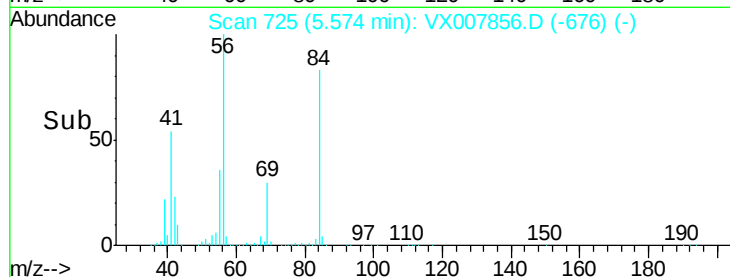
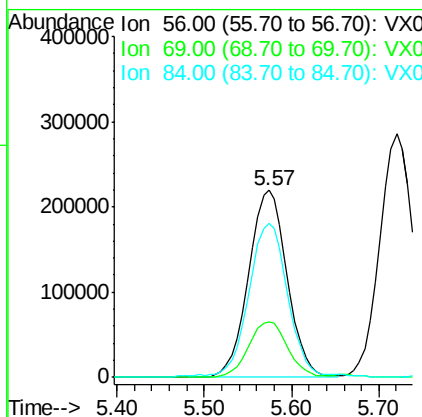
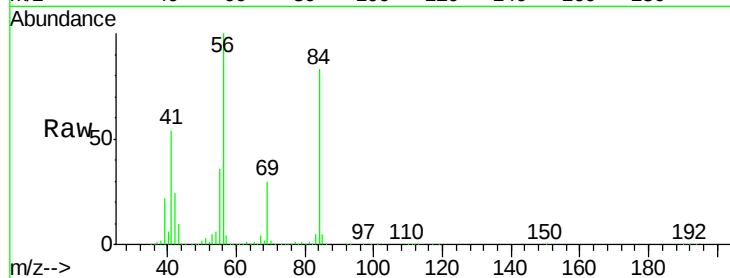
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	671519
Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.0	36.0
84	81.5	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 151.586 ug/l

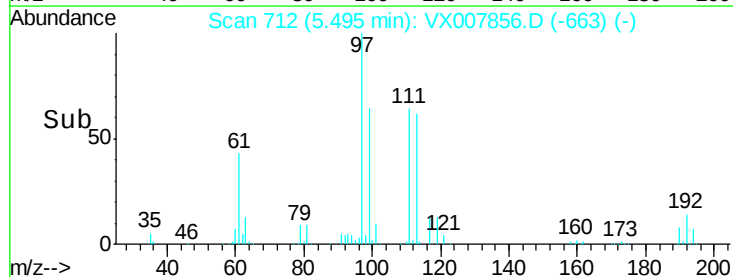
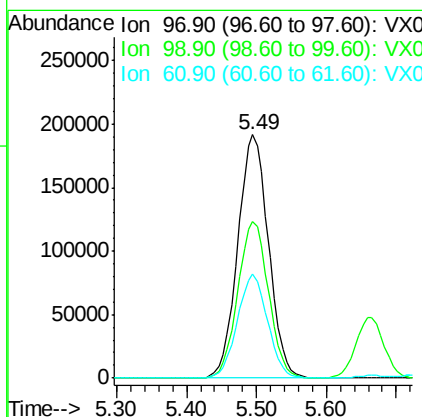
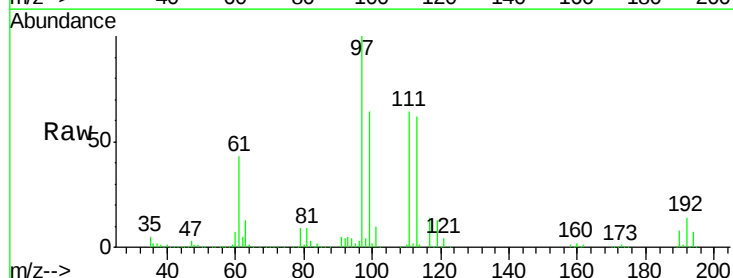
RT: 5.49 min Scan# 712

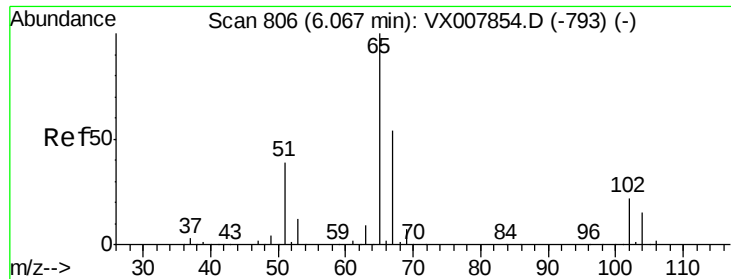
Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Tgt Ion:	97	Resp:	582916
Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.2	78.2
61	42.1	34.9	52.3





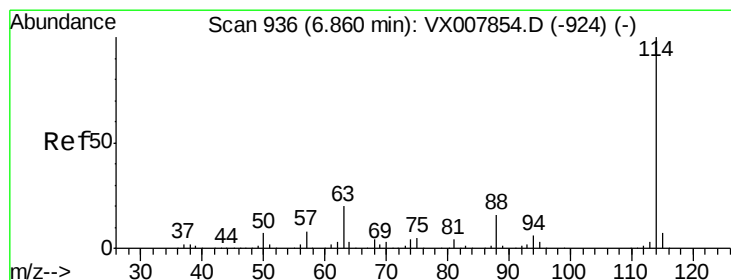
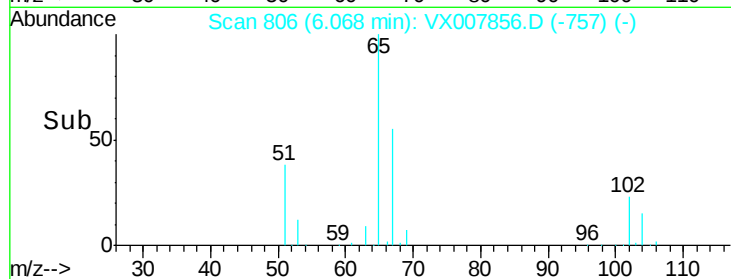
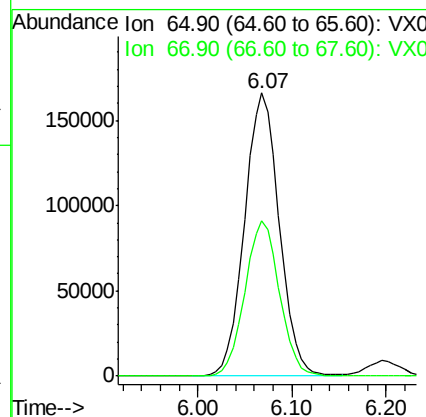
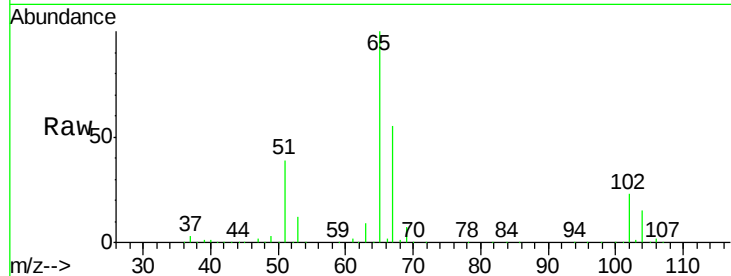
#33
 1,2-Dichloroethane-d4
 Concen: 146.097 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007856.D
 Acq: 06 Mar 2019 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	428155		
67	54.7	0.0	110.0	

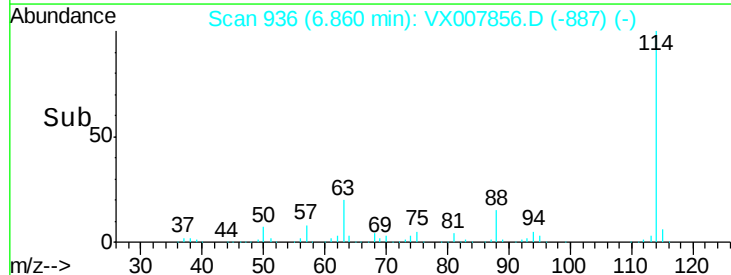
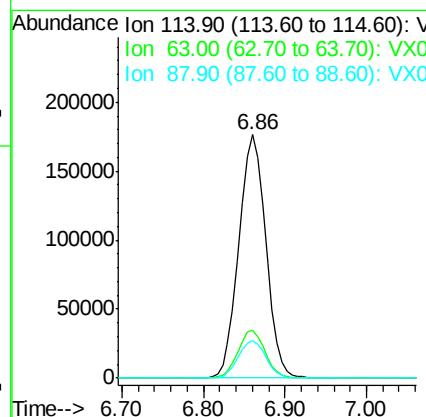
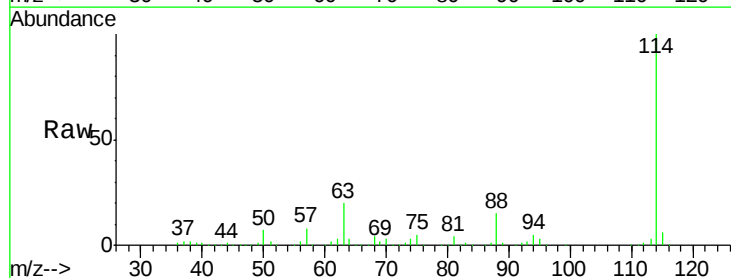
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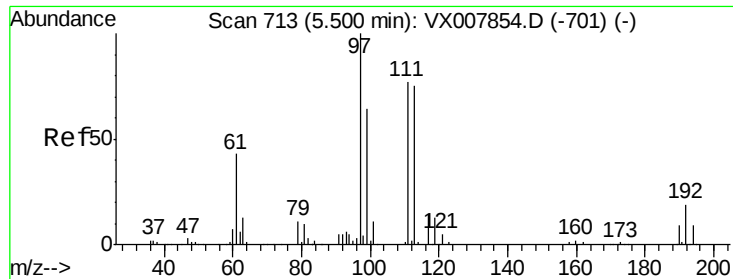
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 3/7/2019 10:35:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007856.D
 Acq: 06 Mar 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	404429		
63	19.7	0.0	39.8	
88	15.4	0.0	31.4	





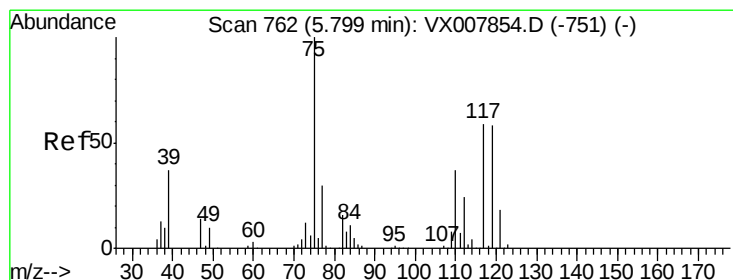
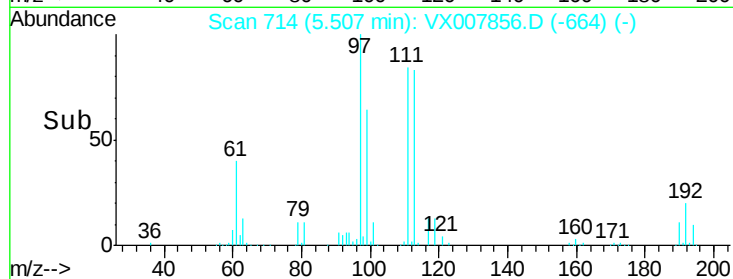
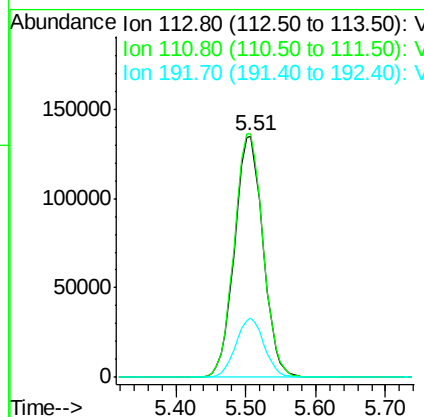
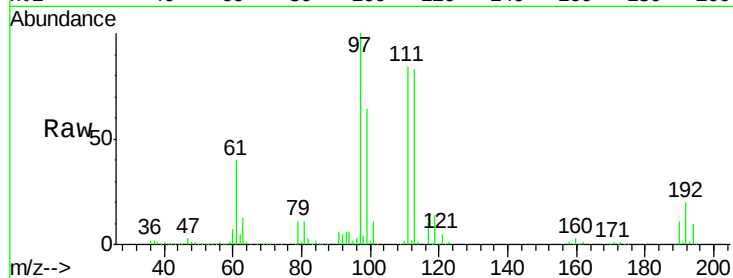
#35
Dibromofluoromethane
Concen: 147.558 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	381733		
111	102.0	81.4	122.0	
192	24.3	19.4	29.0	

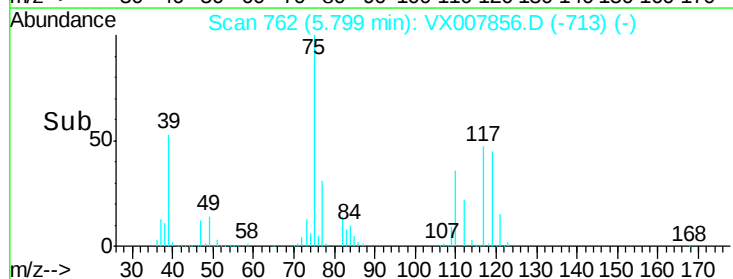
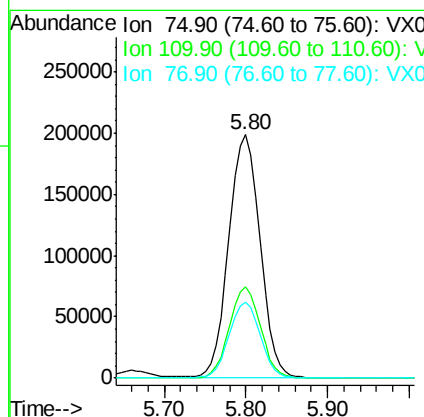
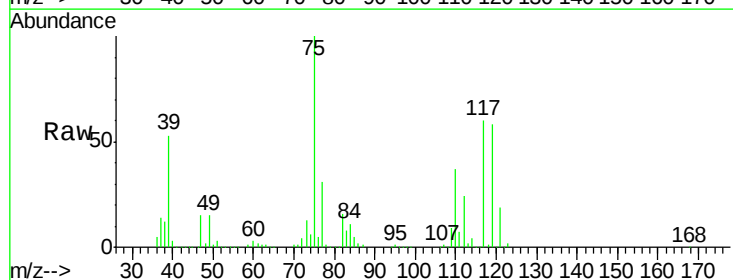
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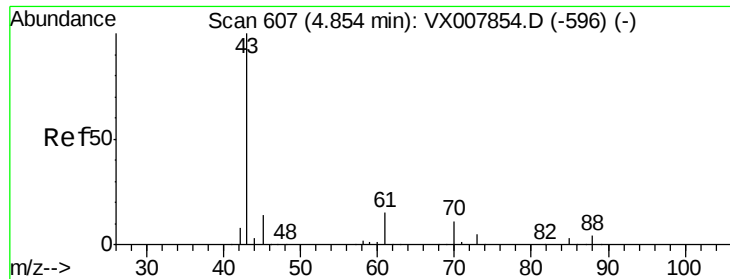
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#36
1,1-Dichloropropene
Concen: 144.467 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	529039		
110	37.1	18.4	55.0	
77	31.3	25.0	37.4	





#37

Ethyl Acetate

Concen: 142.239 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

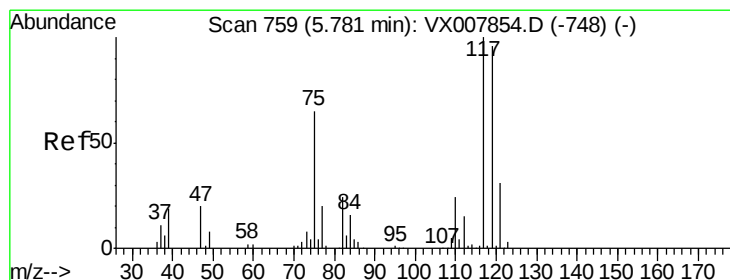
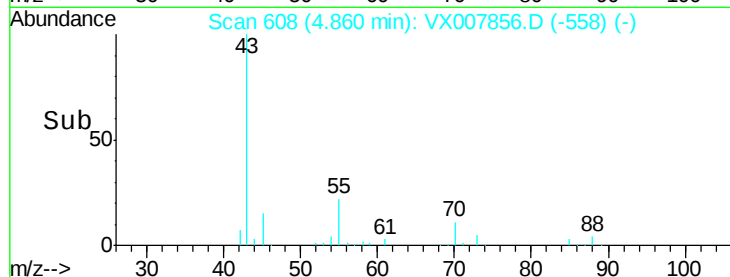
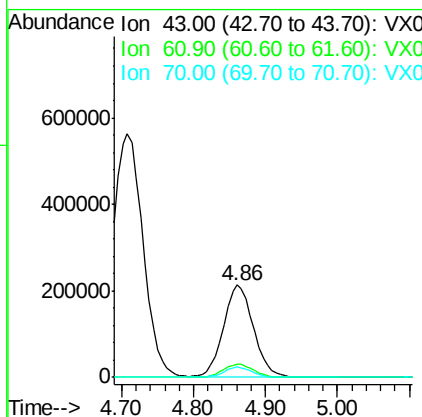
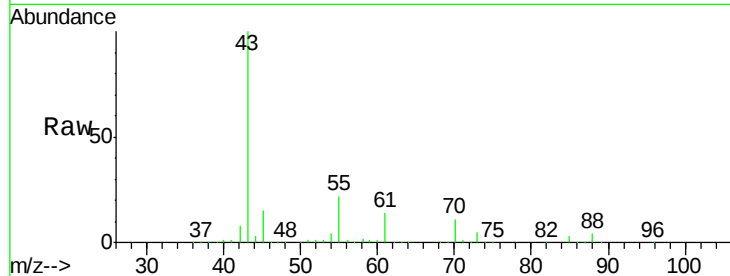
ClientSampled :

VSTDIC150

Tot Ion:	43	Resp:	618130
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.3	16.9
70	10.6	8.5	12.7

Manual Integrations
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3/7/2019 10:35:07 AM



#38

Carbon Tetrachloride

Concen: 151.411 ug/l

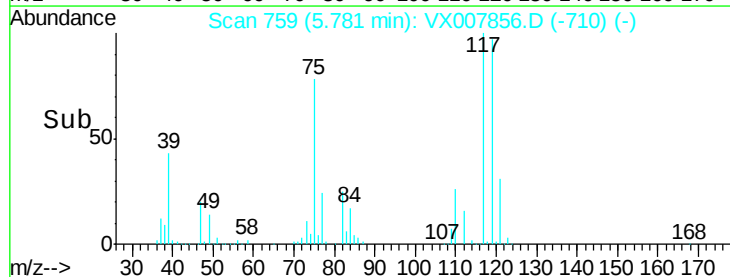
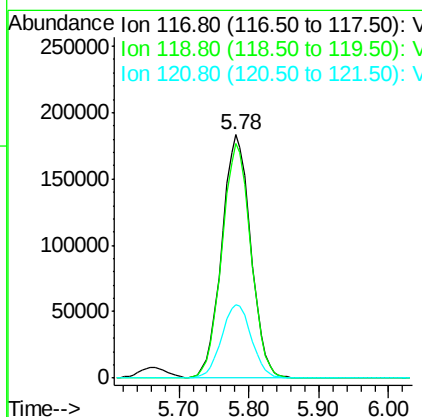
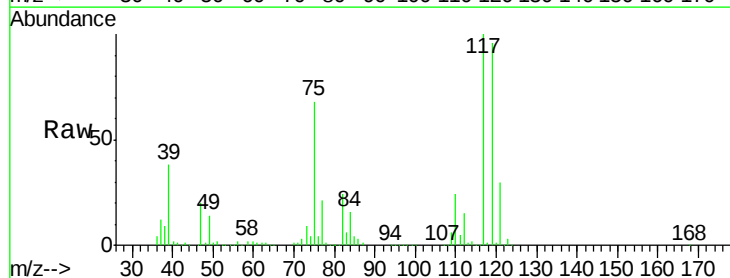
RT: 5.78 min Scan# 759

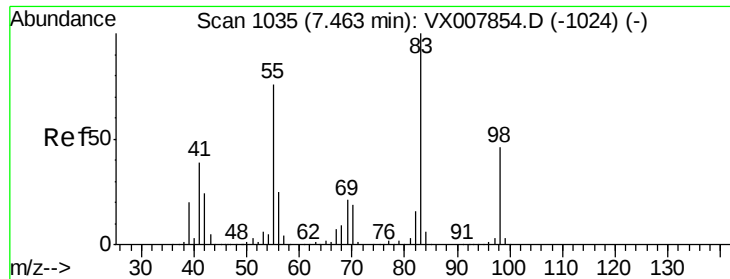
Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Tgt Ion:	117	Resp:	526398
Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.2	114.2
121	30.3	24.6	36.8





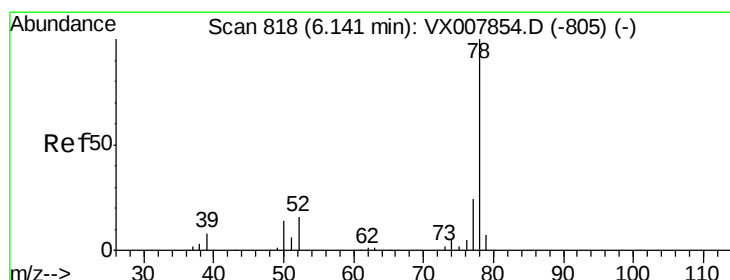
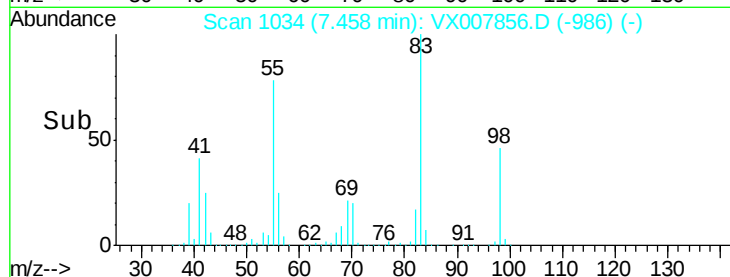
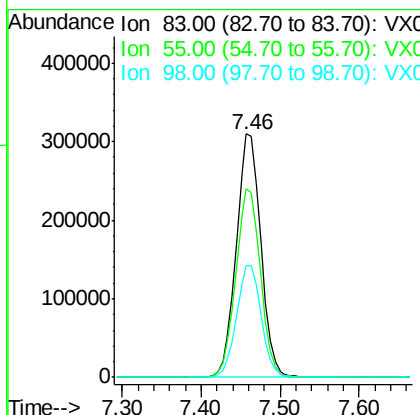
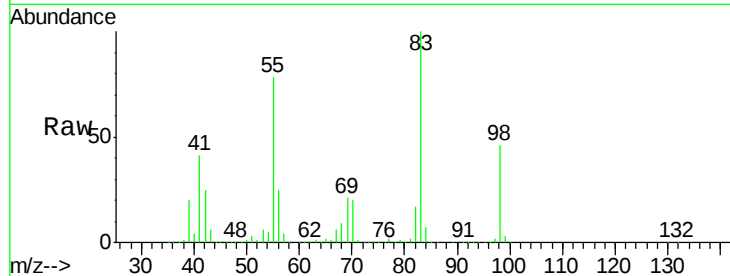
#39
Methvlcvclohexane
Concen: 150.981 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	669956		
55	77.6		60.4	90.6
98	45.9		36.5	54.7

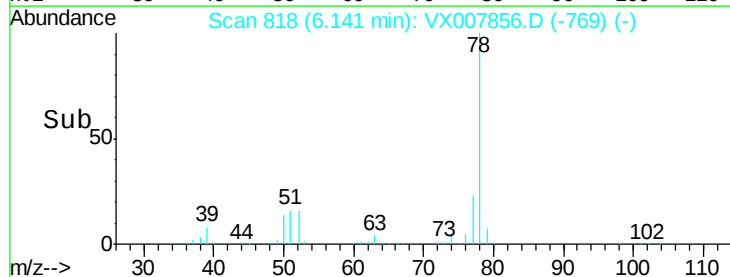
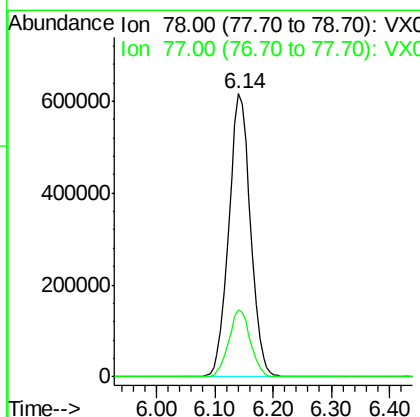
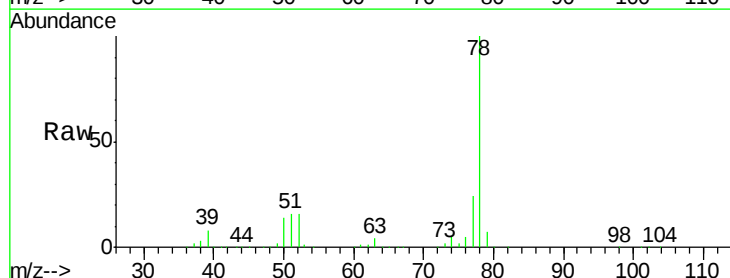
Manual Integrations
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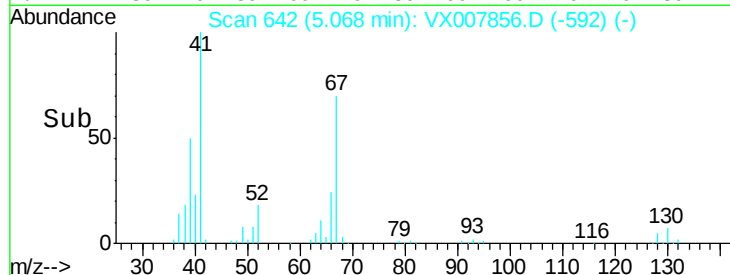
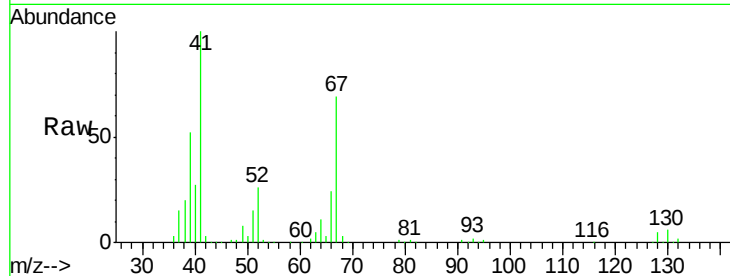
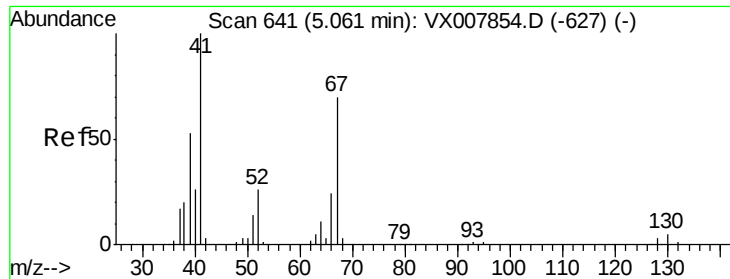
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#40
Benzene
Concen: 146.328 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1595273		
77	23.5		19.0	28.4





#41

Methacrylonitrile

Concen: 146.167 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.01 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	51.9	41.6	62.4		
67	69.3	55.8	83.6		
52	26.8	21.7	32.5		

Instrument :

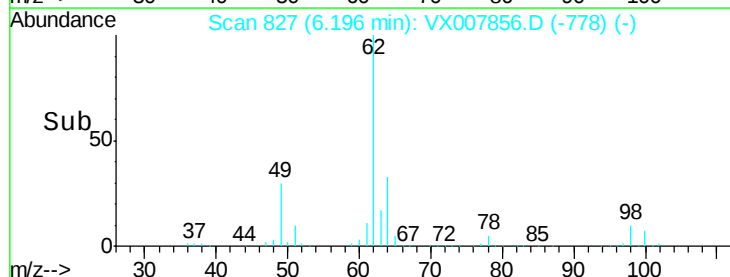
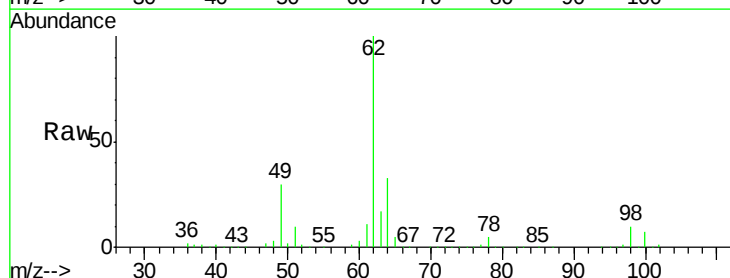
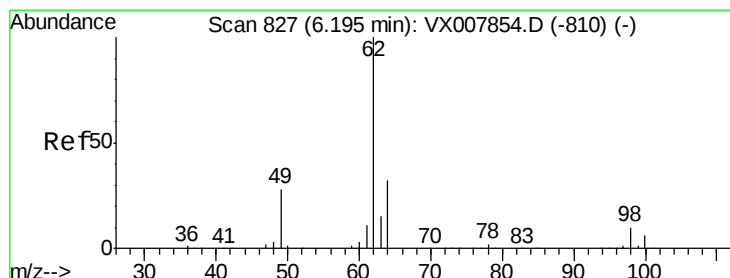
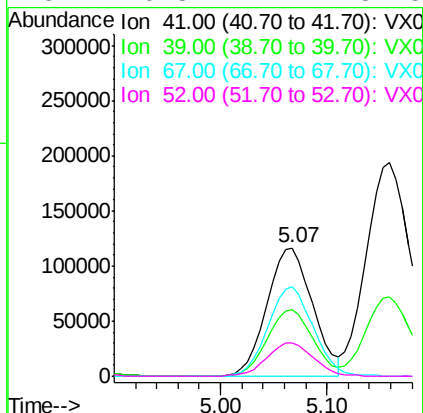
MSVOA_X

ClientSampleId :

VSTDIC150

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 144.108 ug/l

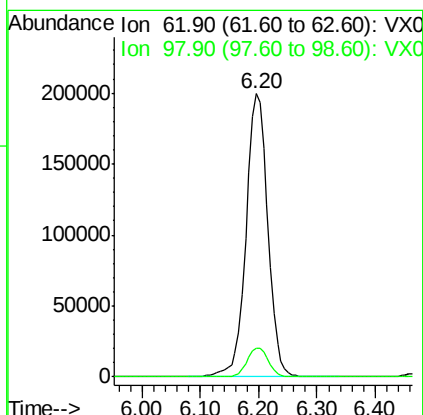
RT: 6.20 min Scan# 827

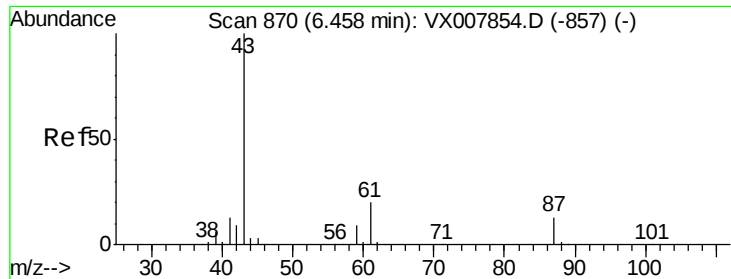
Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.2	0.0	20.4		





#43

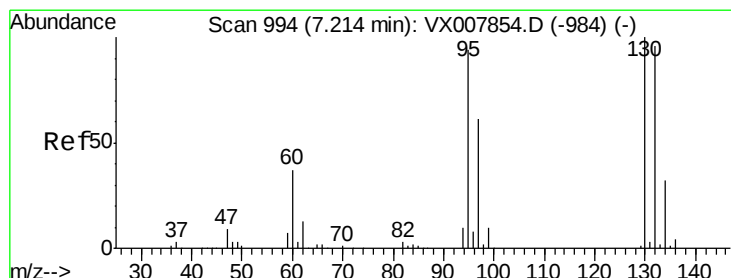
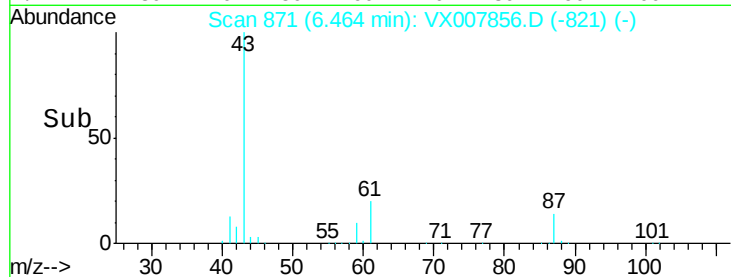
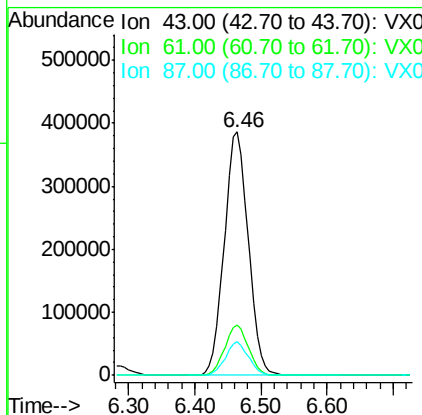
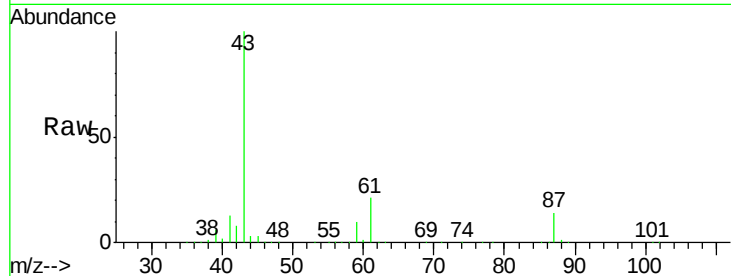
Isopropyl Acetate
 Concen: 150.605 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX007856.D
 Acq: 06 Mar 2019 11:53

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.3	24.5
87	13.3	10.5	15.7

Manual Integrations
 APPROVED

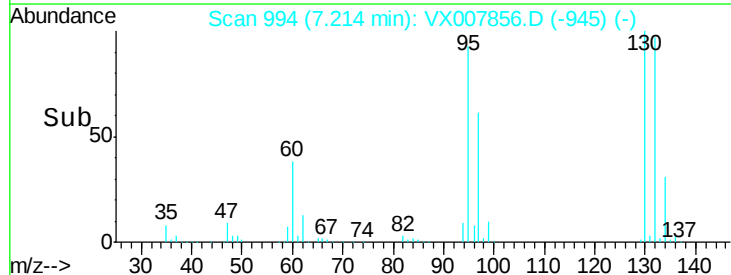
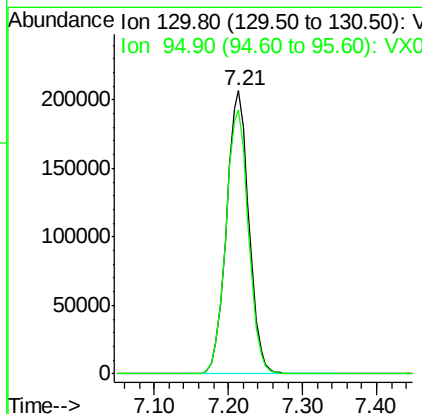
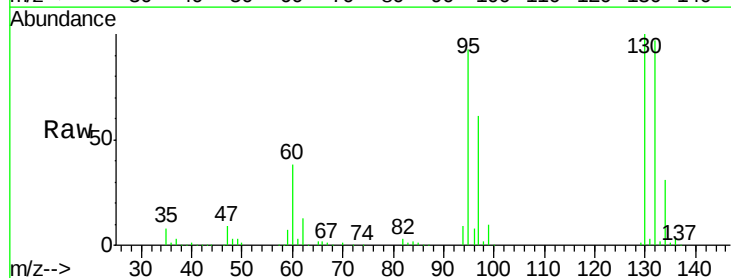
MMDadoda
 3/7/2019 10:35:07 AM

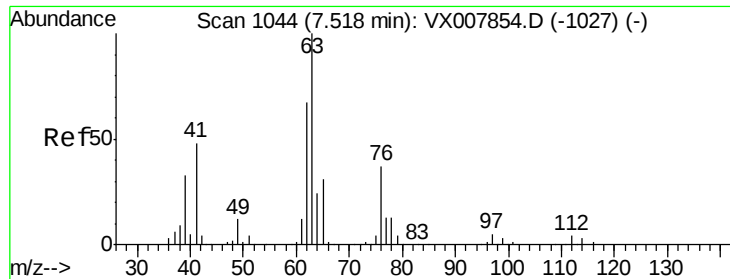


#44

Trichloroethene
 Concen: 144.351 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007856.D
 Acq: 06 Mar 2019 11:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	188.0





#45

1,2-Dichloropropane

Concen: 147.005 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Tot Ion: 63 Resp: 423291

Ion Ratio Lower Upper

63 100

65 31.1 24.7 37.1

Instrument :

MSVOA_X

ClientSampleId :

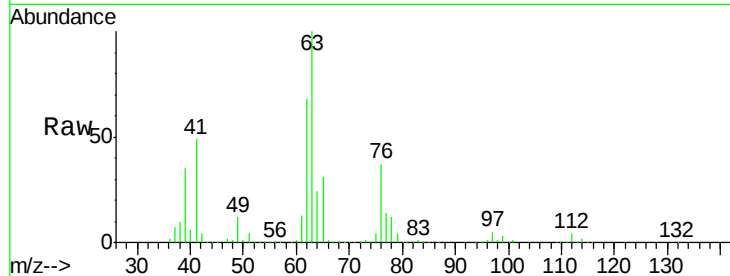
VSTDIC150

Manual Integrations

APPROVED

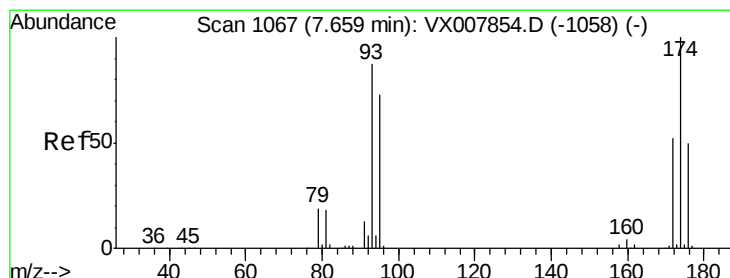
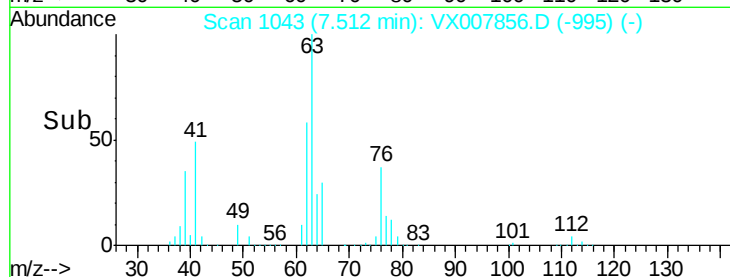
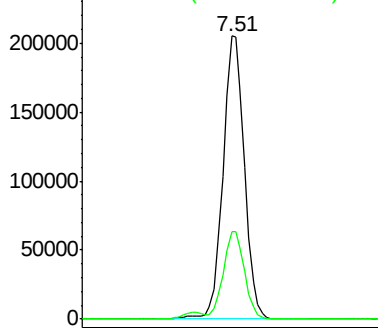
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 145.580 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

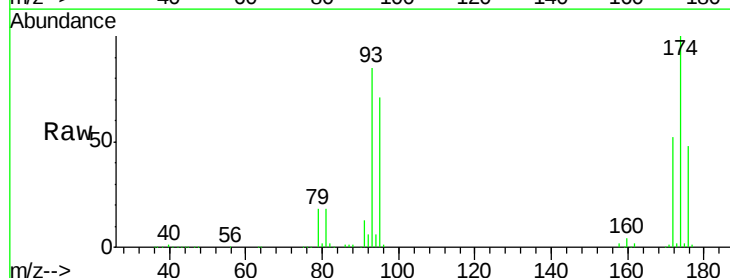
Tgt Ion: 93 Resp: 265283

Ion Ratio Lower Upper

93 100

95 83.9 66.8 100.2

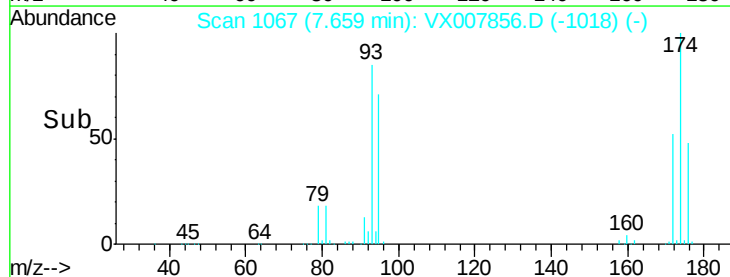
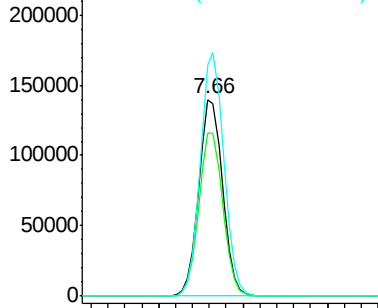
174 122.3 97.3 145.9

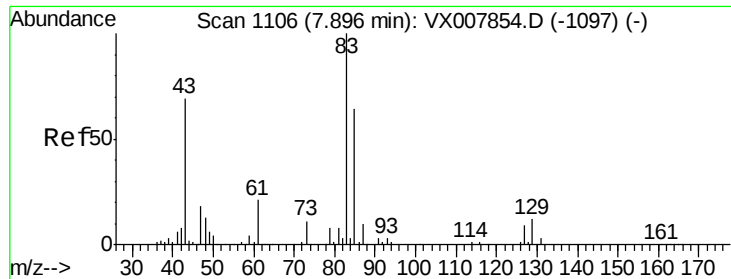


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 151.649 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

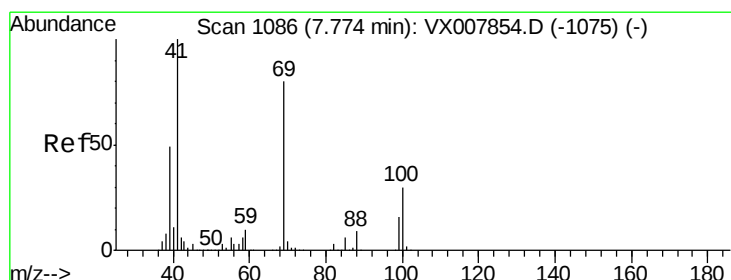
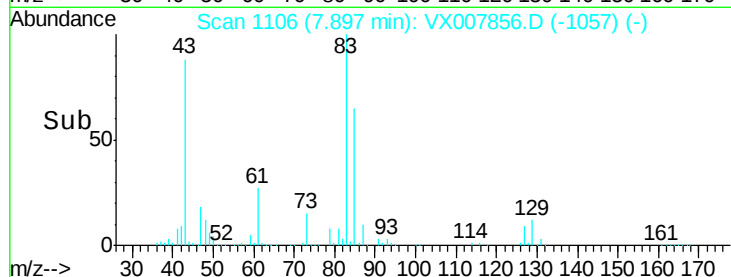
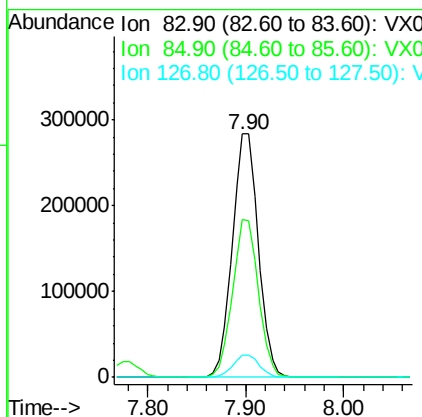
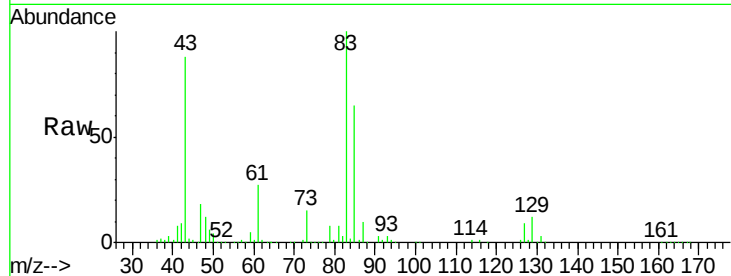
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	523933
Ion Ratio	Lower	Upper	
83	100		
85	64.7	50.9	76.3
127	9.1	7.4	11.0

Manual Integrations
APPROVED

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3/7/2019 10:35:07 AM



#48

Methyl methacrylate

Concen: 148.384 ug/l

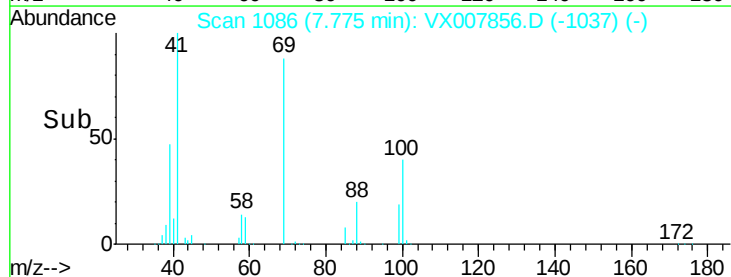
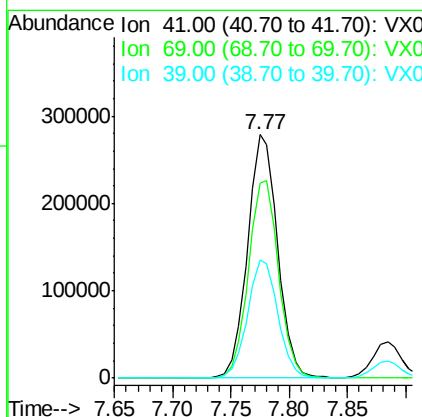
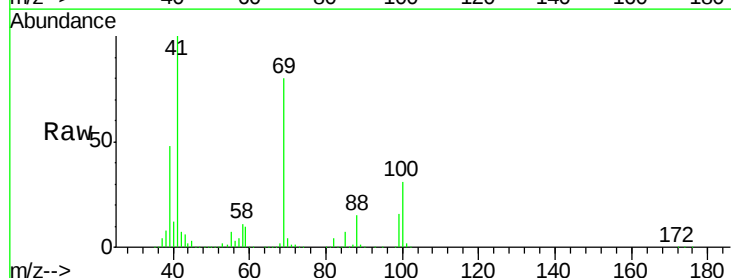
RT: 7.77 min Scan# 1086

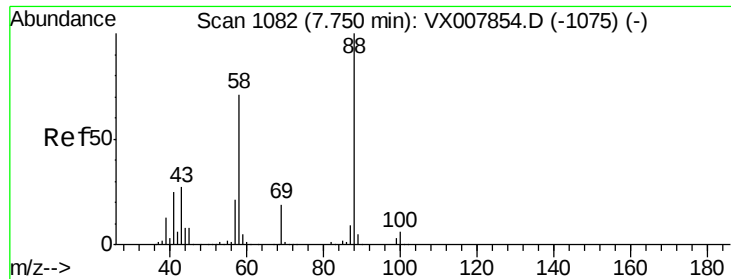
Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Tgt Ion:	41	Resp:	501748
Ion Ratio	Lower	Upper	
41	100		
69	81.7	65.2	97.8
39	48.9	39.4	59.2





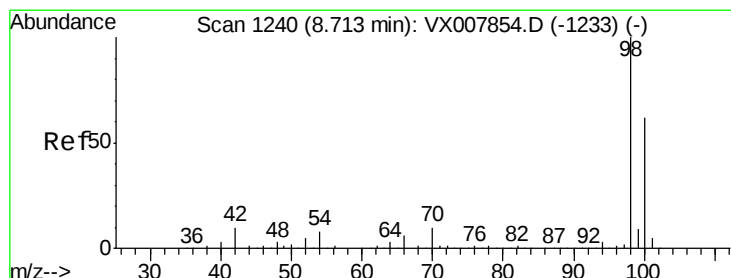
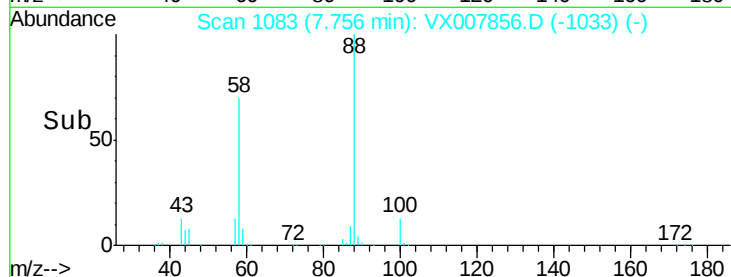
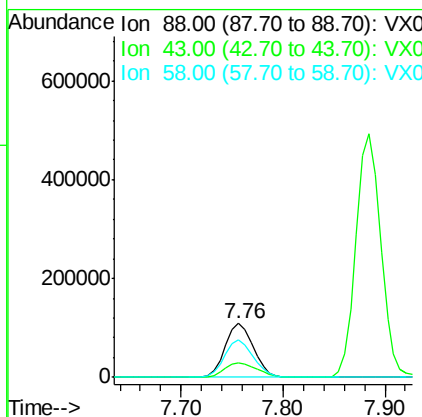
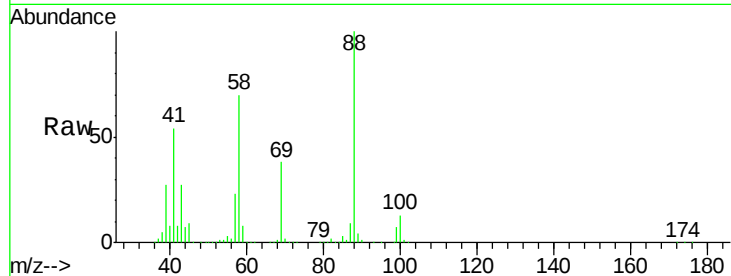
#49
1,4-Dioxane
Concen: 3020.227 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	88	Resp	209790
Ion	Ratio	Lower	Upper
88	100		
43	30.6	25.1	37.7
58	71.4	57.8	86.6

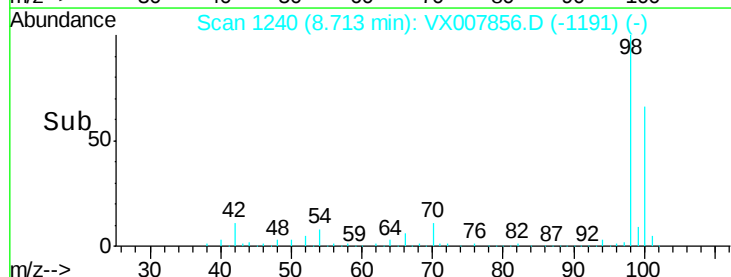
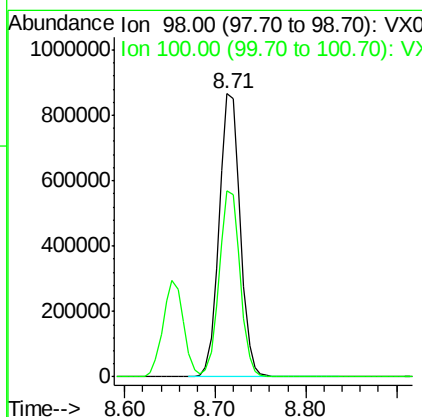
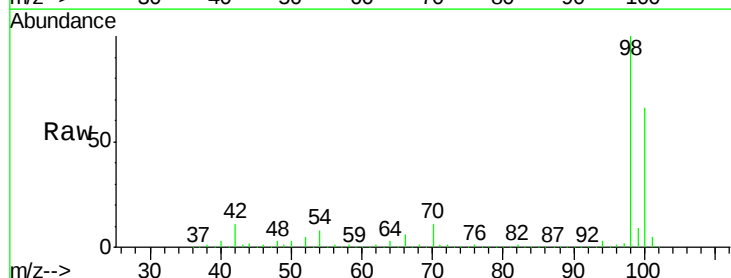
Manual Integrations
APPROVED

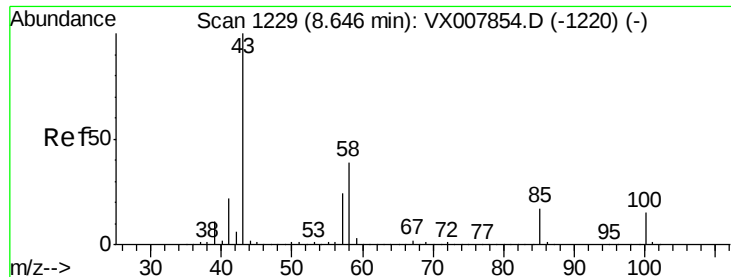
MMDadoda
3/7/2019 10:35:07 AM



#50
Toluene-d8
Concen: 147.542 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Tgt Ion	98	Resp	1401775
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 737.297 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3049540

Ion Ratio Lower Upper

43 100

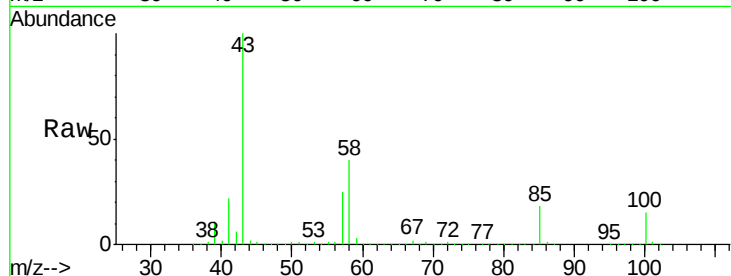
58 39.9 31.3 46.9

Manual Integrations

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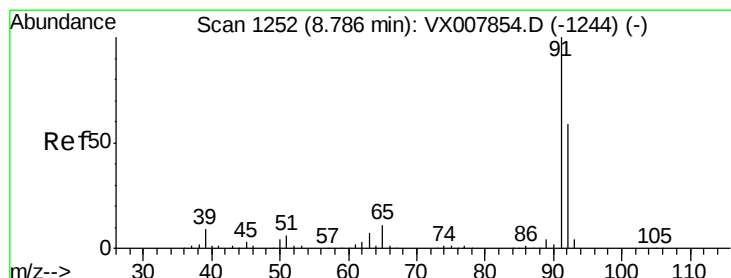
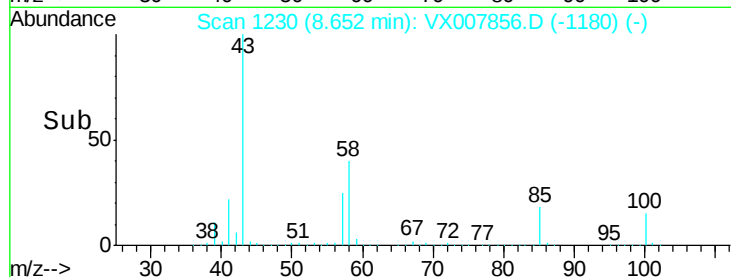
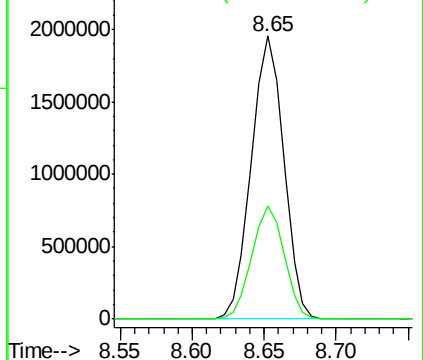
MMDadoda

3/7/2019 10:35:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 145.684 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX007856.D

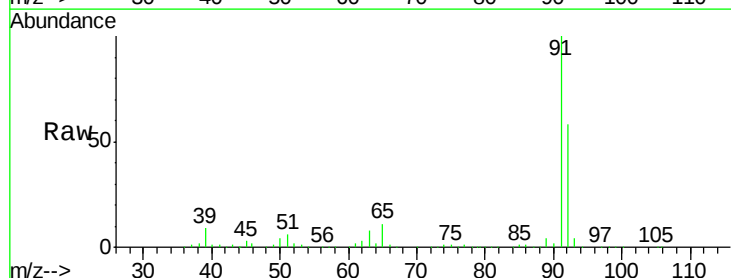
Acq: 06 Mar 2019 11:53

Tgt Ion: 92 Resp: 969665

Ion Ratio Lower Upper

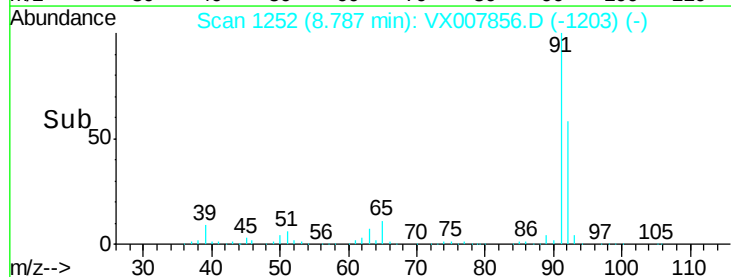
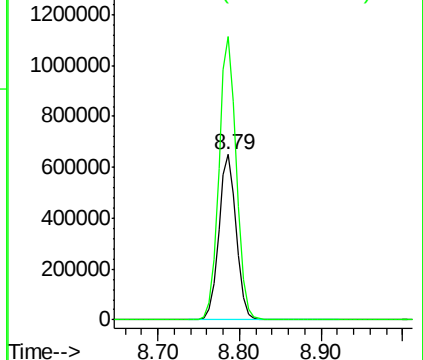
92 100

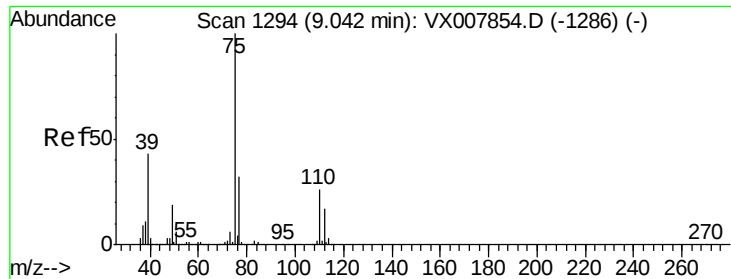
91 171.7 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





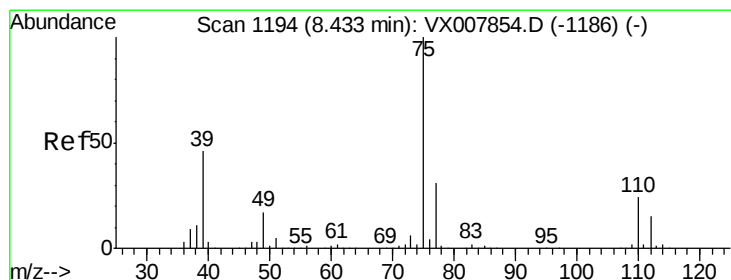
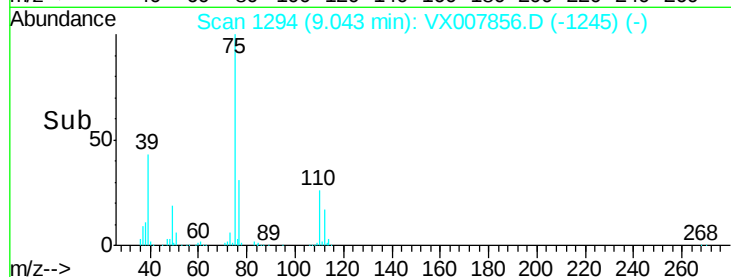
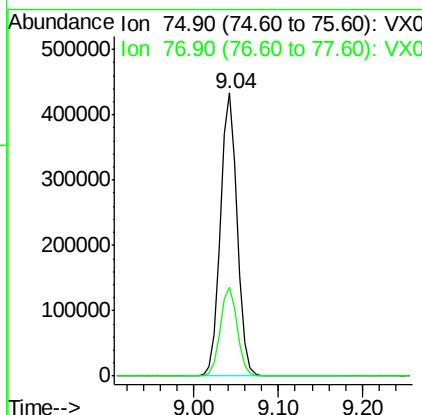
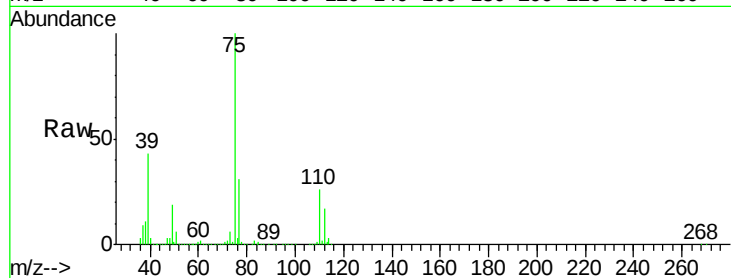
#53
t-1,3-Dichloropropene
Concen: 165.857 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0

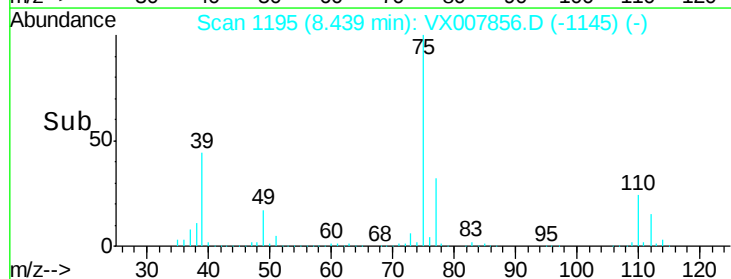
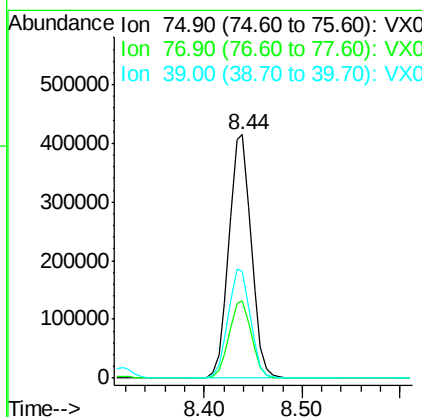
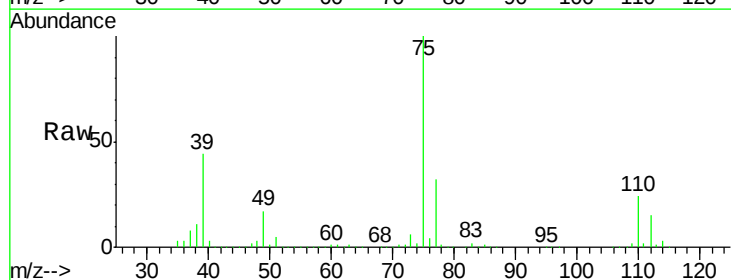
Manual Integrations
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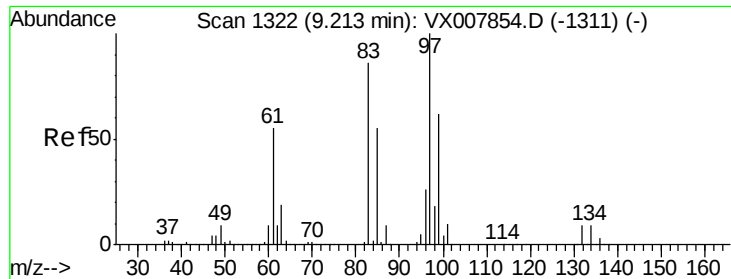
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#54
cis-1,3-Dichloropropene
Concen: 161.207 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.6
39	43.7	36.6	54.8





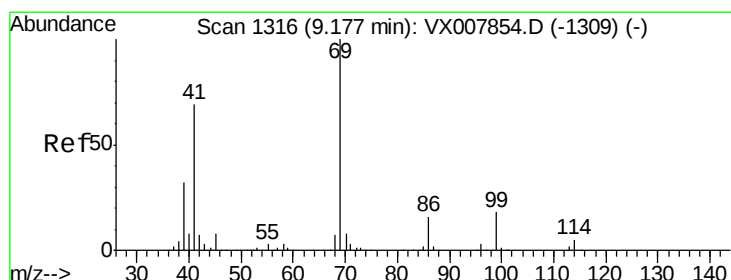
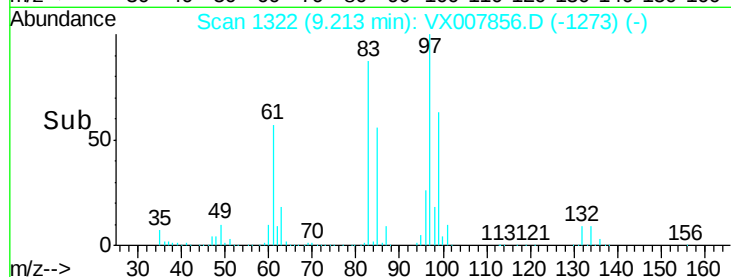
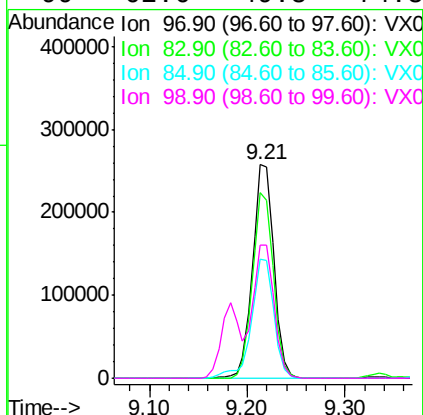
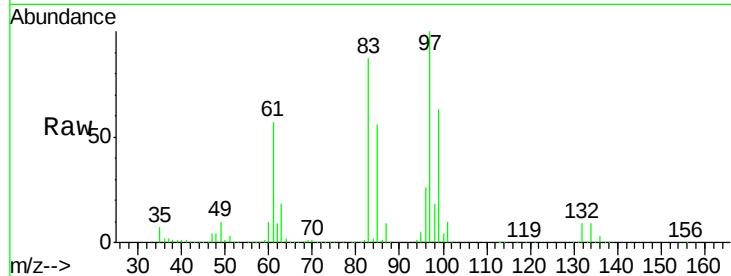
#55
 1,1,2-Trichloroethane
 Concen: 144.120 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007856.D
 Acq: 06 Mar 2019 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		388318		
83	86.7	69.1	103.7		
85	55.9	44.3	66.5		
99	62.6	49.8	74.8		

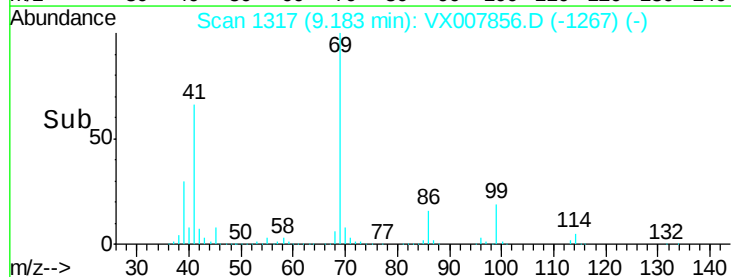
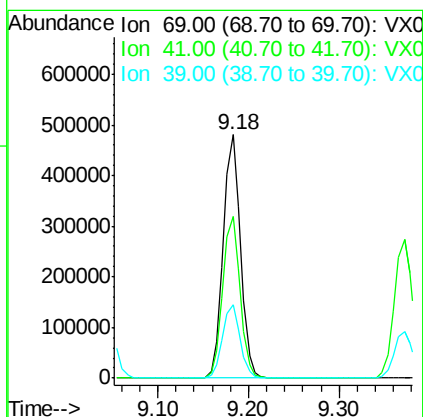
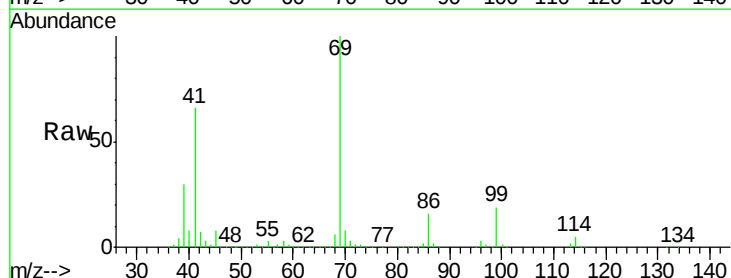
Manual Integrations
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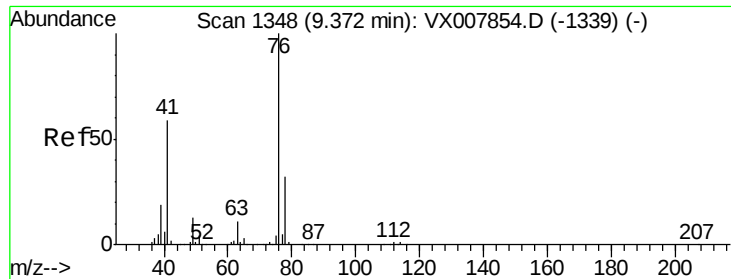
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 3/7/2019 10:35:07 AM



#56
 Ethyl methacrylate
 Concen: 158.186 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX007856.D
 Acq: 06 Mar 2019 11:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		639944		
41	66.9	54.2	81.4		
39	30.6	25.0	37.4		





#57

1,3-Dichloropropane

Concen: 144.320 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 76 Resp: 652916

Ion Ratio Lower Upper

76 100

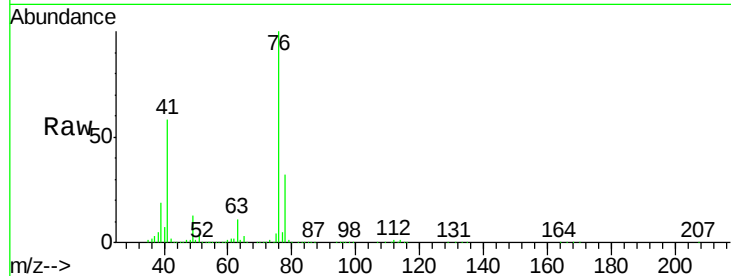
78 32.2 25.5 38.3

Manual Integrations

APPROVED

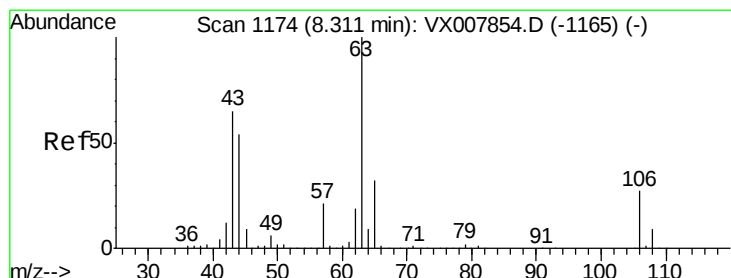
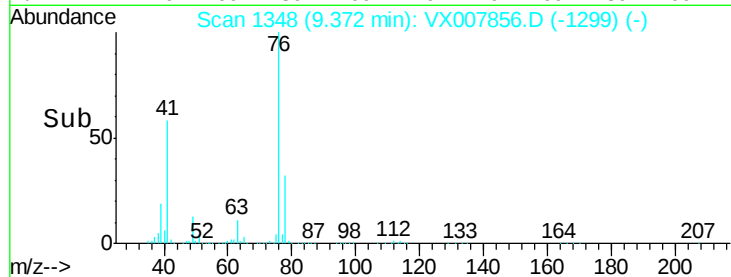
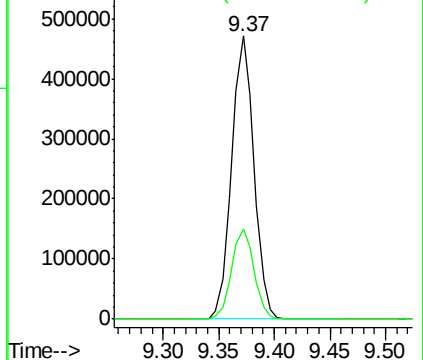
MMDadoda

3/7/2019 10:35:07 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 763.362 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX007856.D

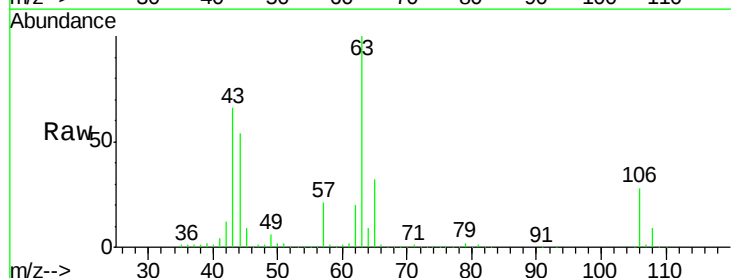
Acq: 06 Mar 2019 11:53

Tgt Ion: 63 Resp: 1597451

Ion Ratio Lower Upper

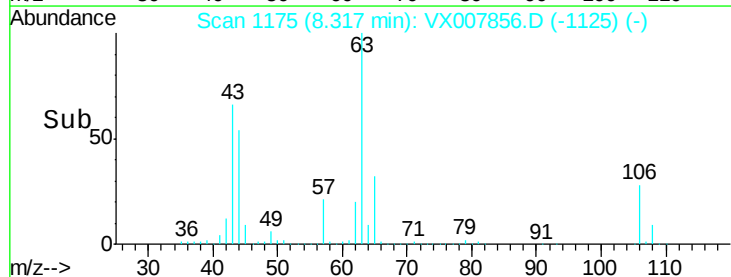
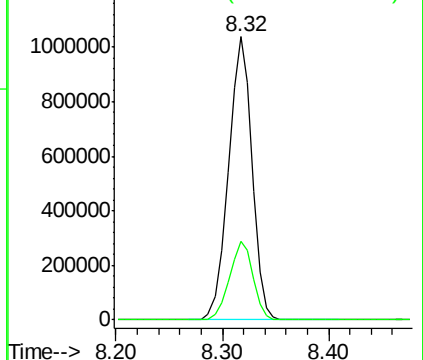
63 100

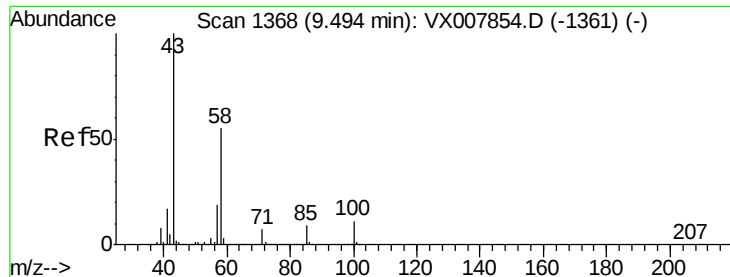
106 27.9 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





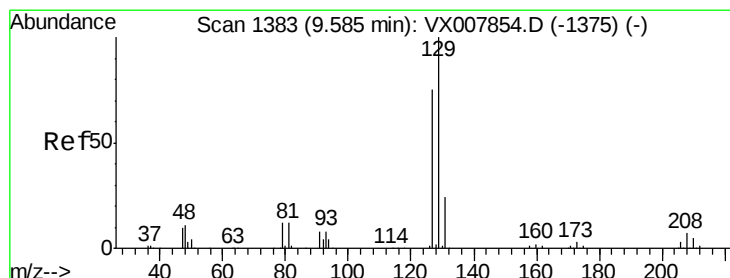
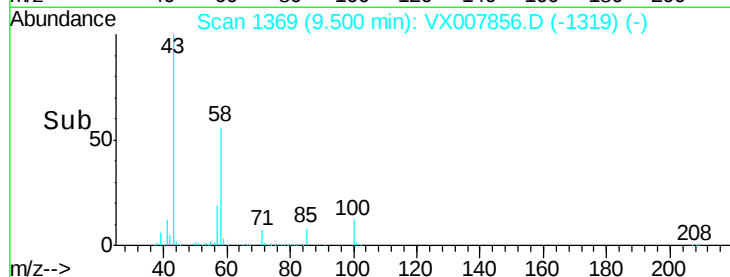
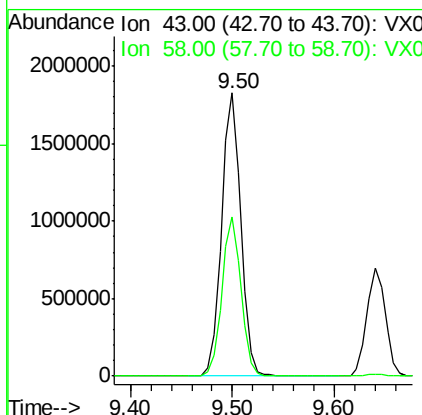
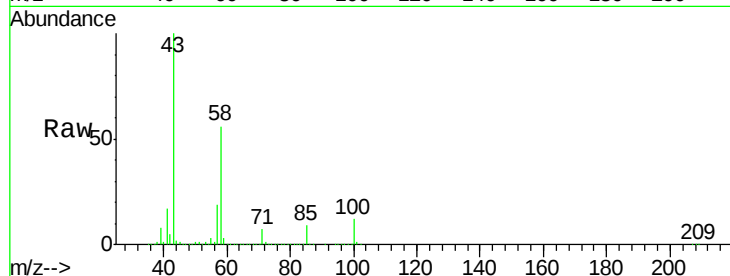
#59
2-Hexanone
Concen: 747.875 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2401568
Ion Ratio Lower Upper
43 100
58 55.6 27.6 82.7

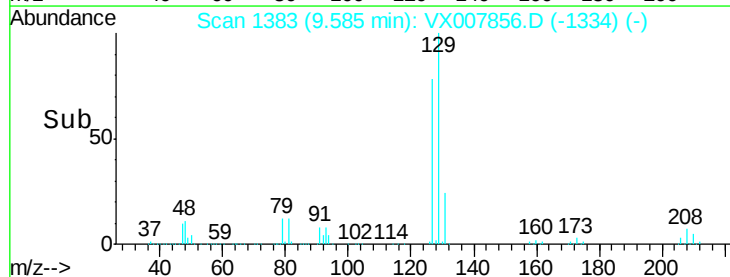
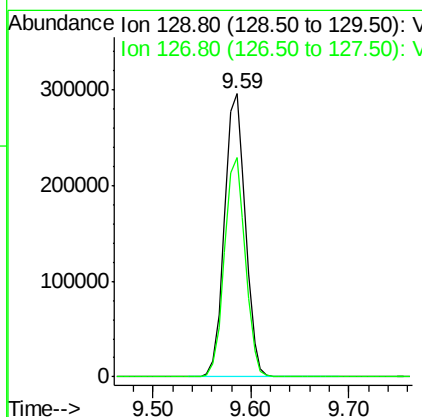
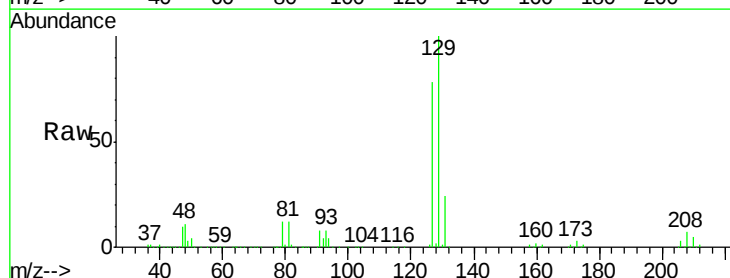
Manual Integrations
APPROVED

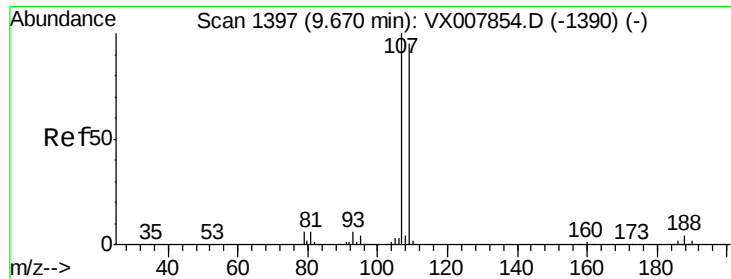
MMDadoda
3/7/2019 10:35:07 AM



#60
Dibromochloromethane
Concen: 155.413 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Tgt Ion: 129 Resp: 437688
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.8





#61

1,2-Dibromoethane

Concen: 146.247 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 418367

Ion Ratio Lower Upper

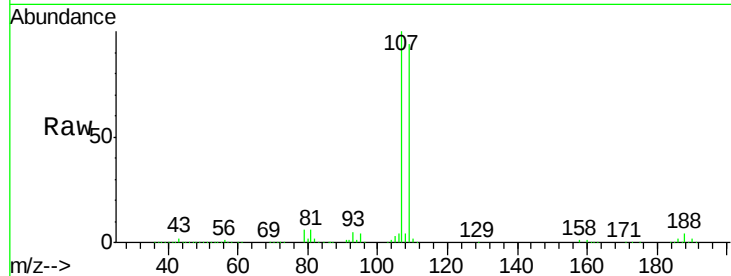
107 100

109 94.2 75.8 113.8

Manual Integrations
APPROVED

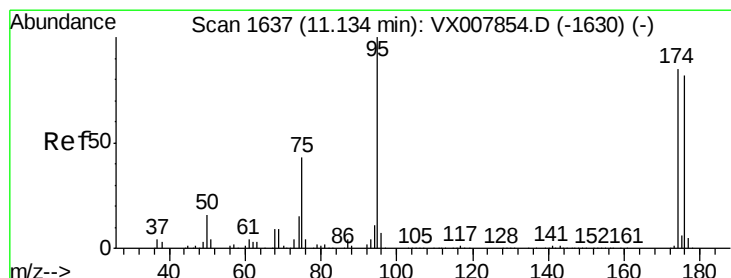
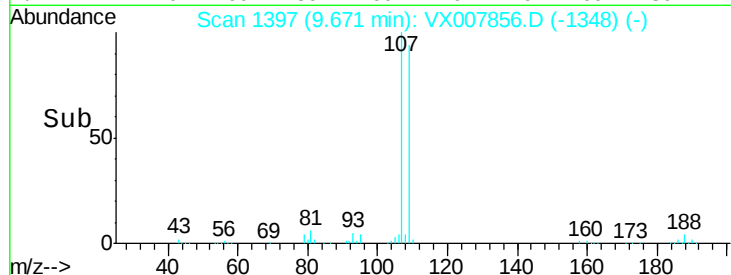
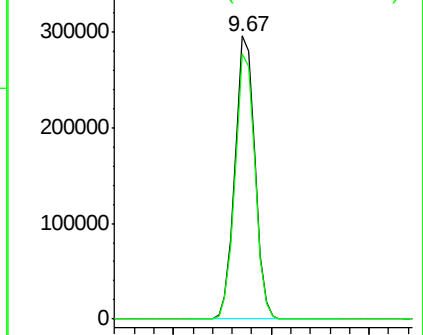
MMDadoda

3/7/2019 10:35:07 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 157.526 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

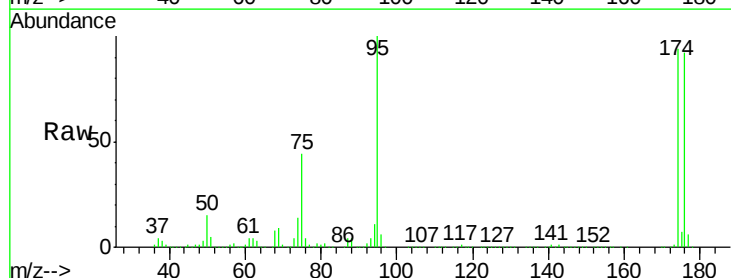
Tgt Ion: 95 Resp: 524724

Ion Ratio Lower Upper

95 100

174 91.1 0.0 182.8

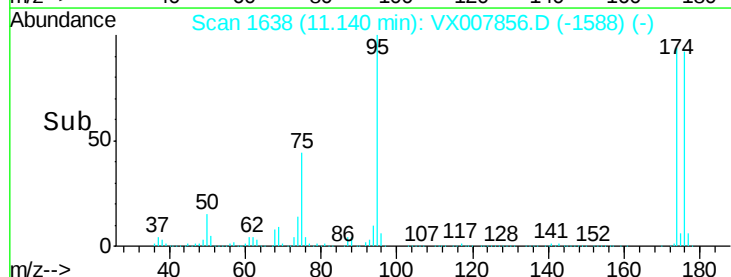
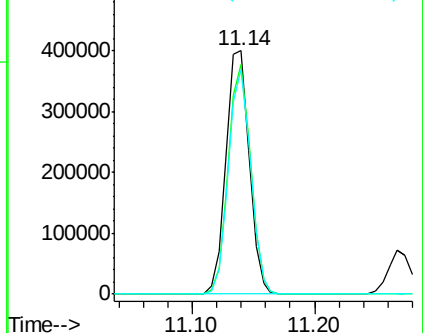
176 88.7 0.0 178.0

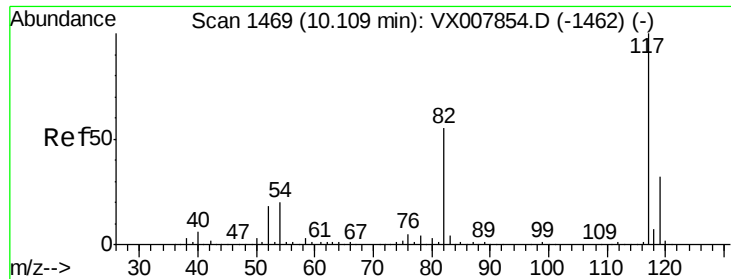


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





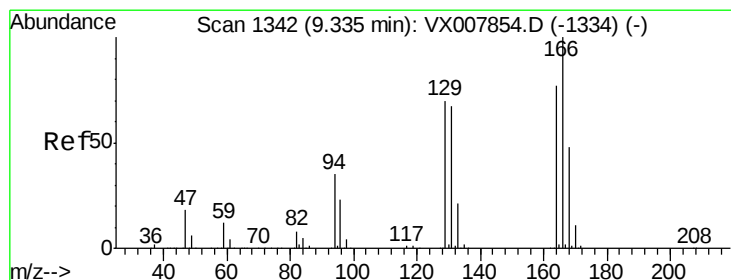
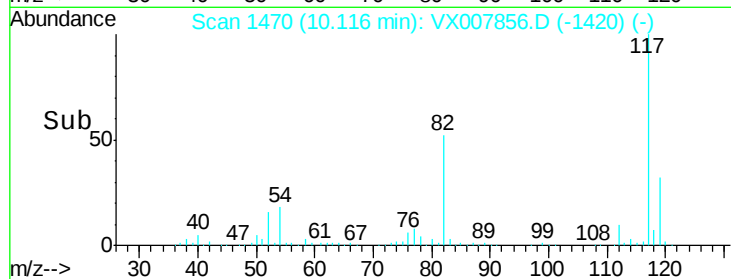
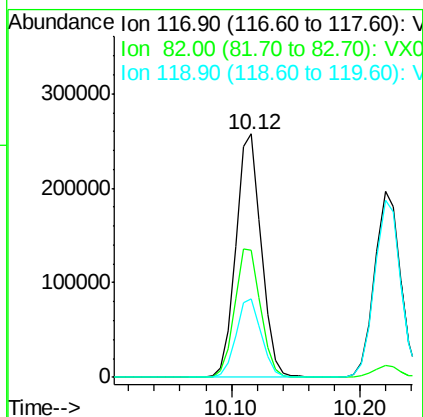
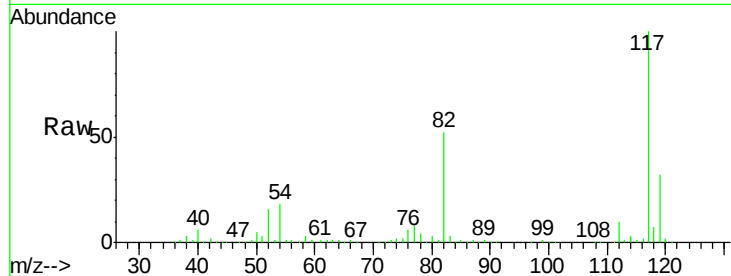
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	44.3	66.5
119	32.5	25.3	37.9

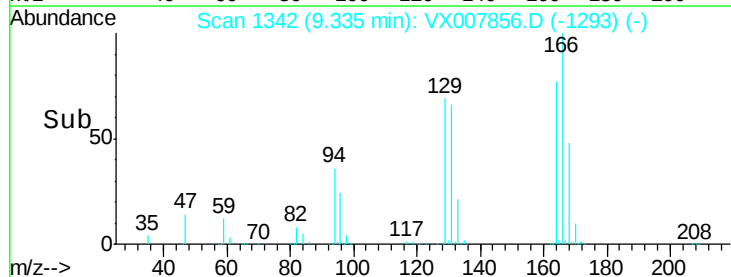
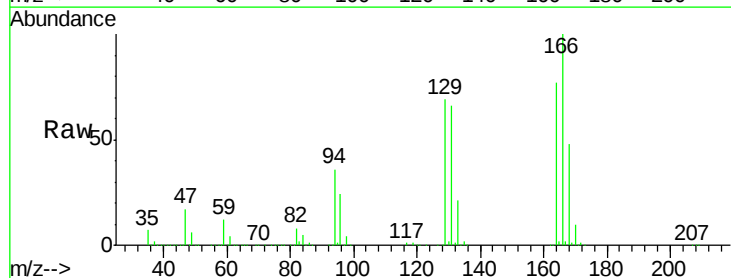
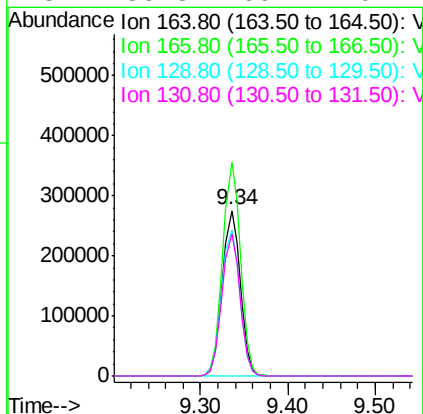
Manual Integrations
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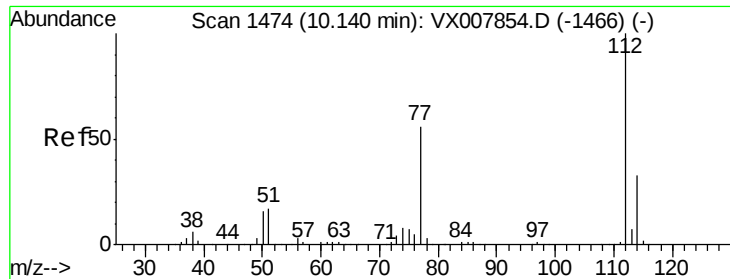
MMDadoda
3/7/2019 10:35:07 AM



#64
Tetrachloroethene
Concen: 134.037 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	103.4	155.0
129	88.6	72.2	108.4
131	85.8	69.4	104.2





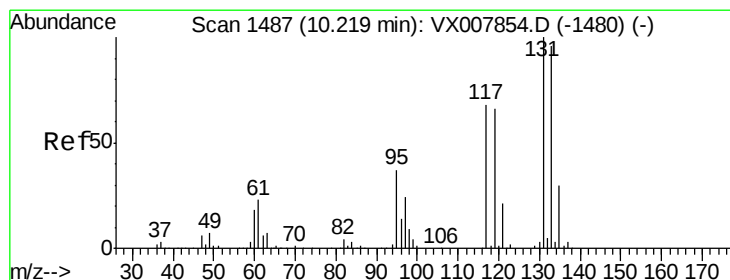
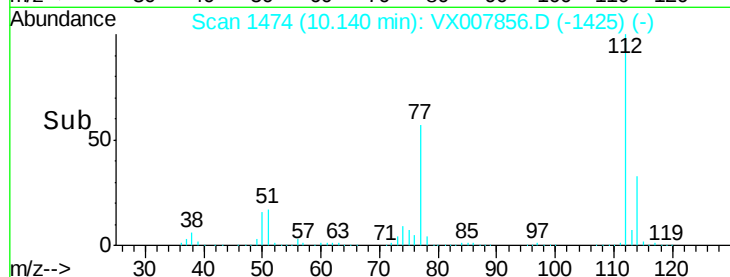
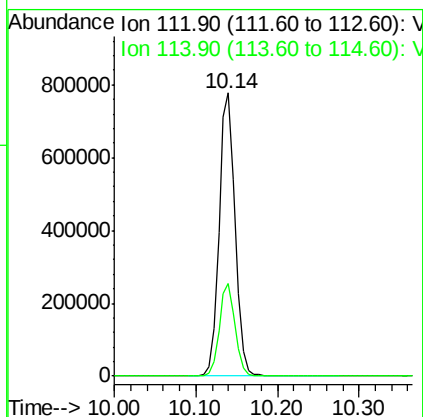
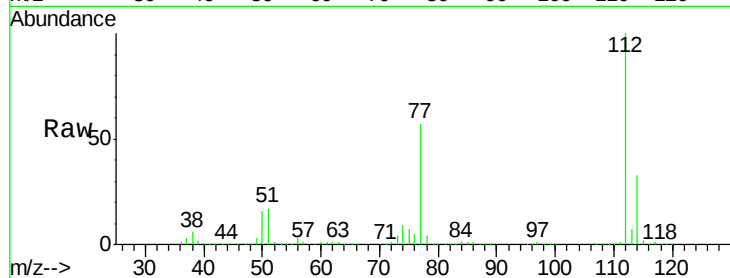
#65
Chlorobenzene
Concen: 144.678 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1066886
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0

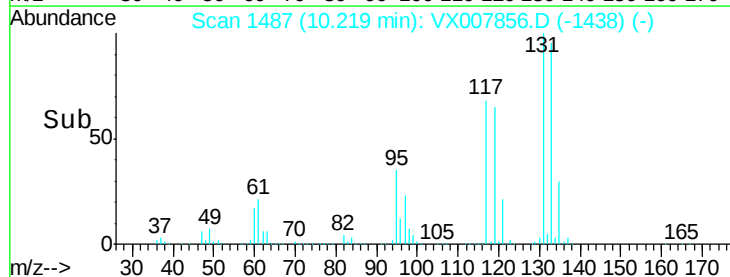
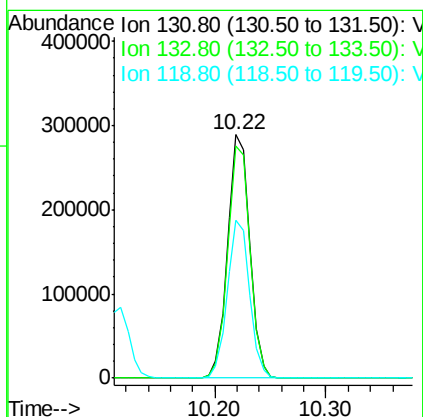
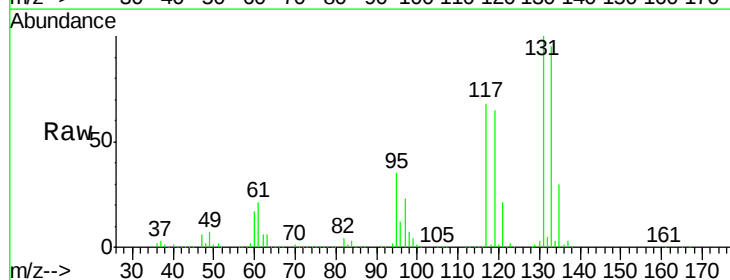
Manual Integrations
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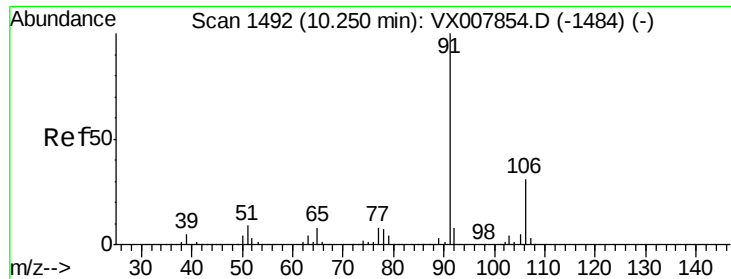
MMDadoda
3/7/2019 10:35:07 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 149.975 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Tgt Ion:131 Resp: 396369
Ion Ratio Lower Upper
131 100
133 96.3 47.8 143.3
119 65.0 32.5 97.5





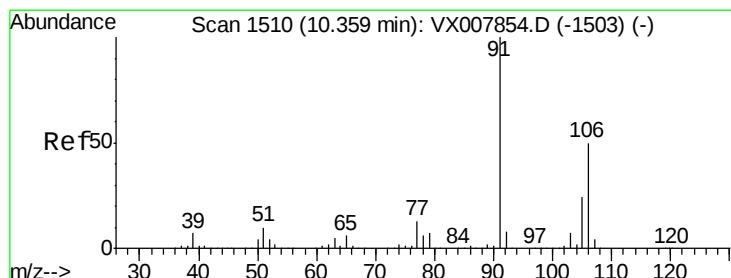
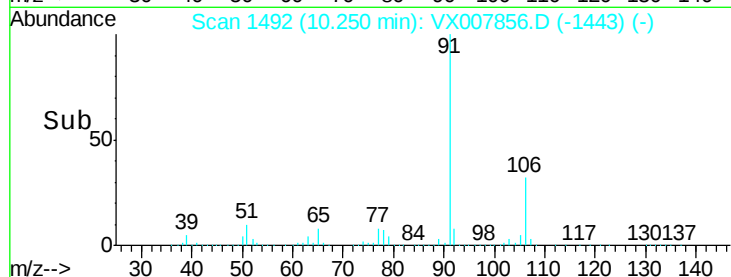
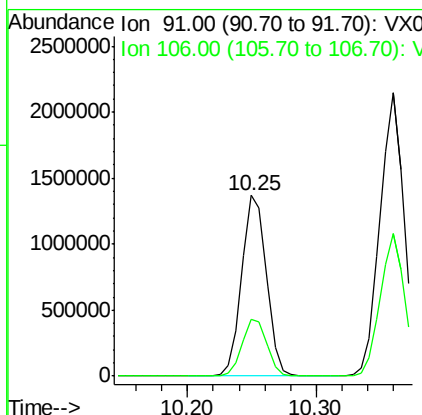
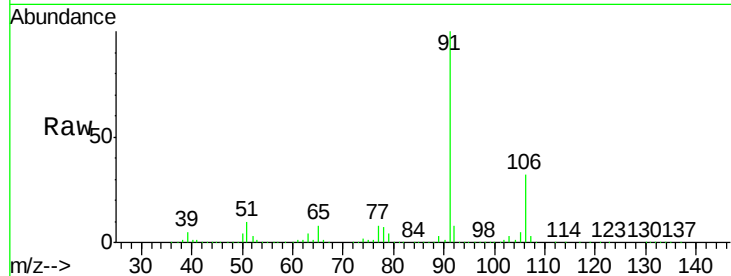
#67
Ethyl Benzene
Concen: 149.887 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 1819433
Ion Ratio Lower Upper
91 100
106 31.7 25.2 37.8

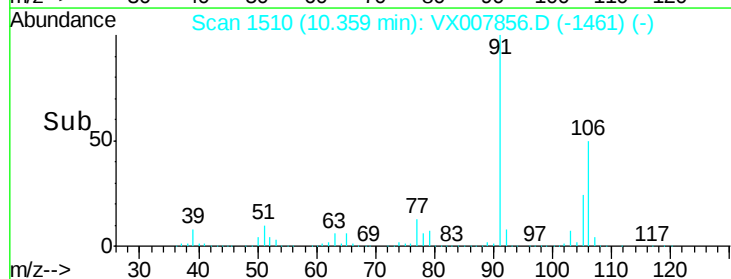
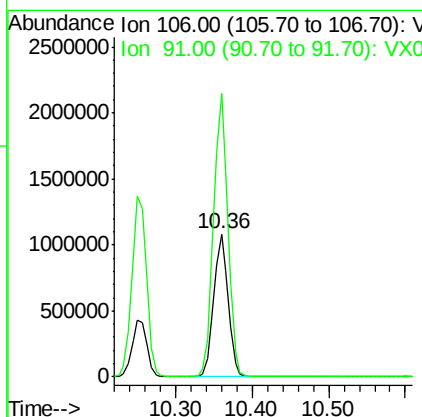
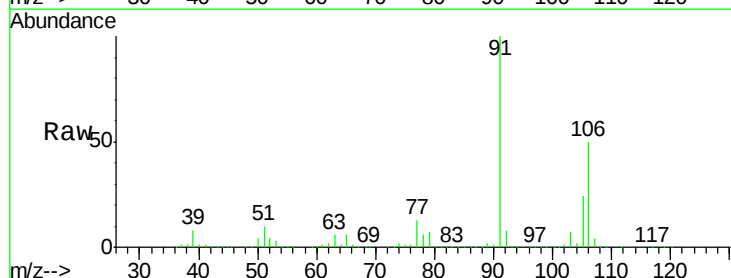
Manual Integrations
APPROVED

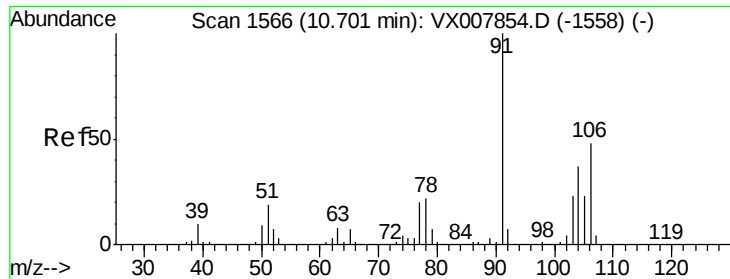
MMDadoda
3/7/2019 10:35:07 AM



#68
m/p-Xylenes
Concen: 300.419 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Tgt Ion: 106 Resp: 1405620
Ion Ratio Lower Upper
106 100
91 198.8 159.8 239.6





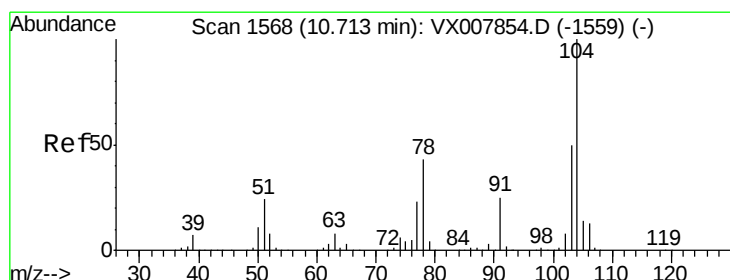
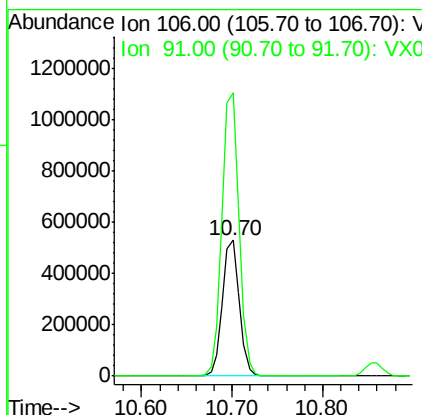
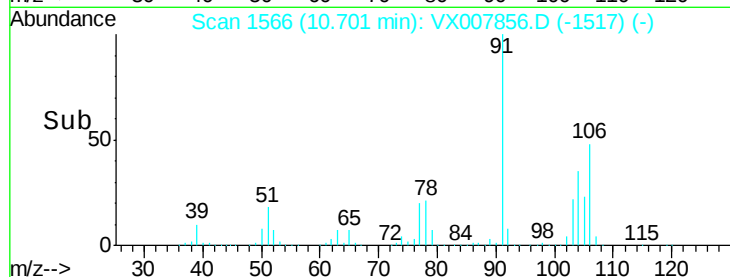
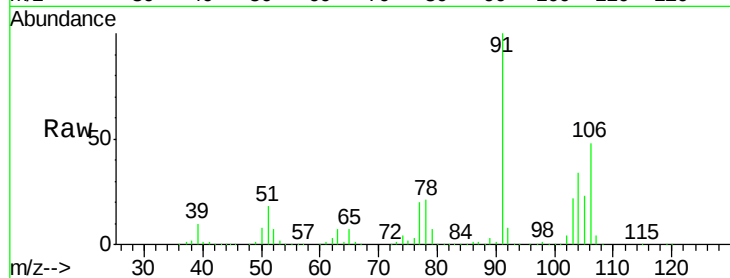
#69
o-Xylene
Concen: 152.116 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 687135
Ion Ratio Lower Upper
106 100
91 211.6 106.3 318.9

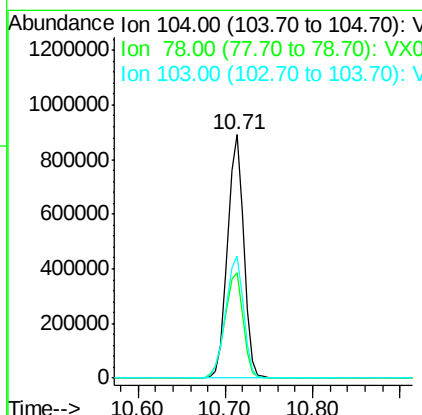
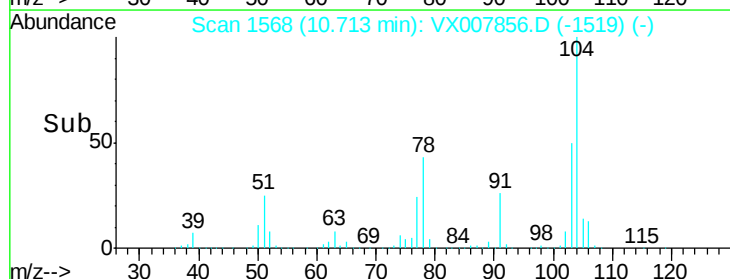
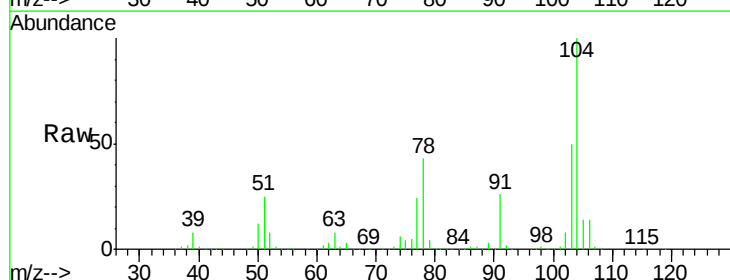
Manual Integrations
APPROVED

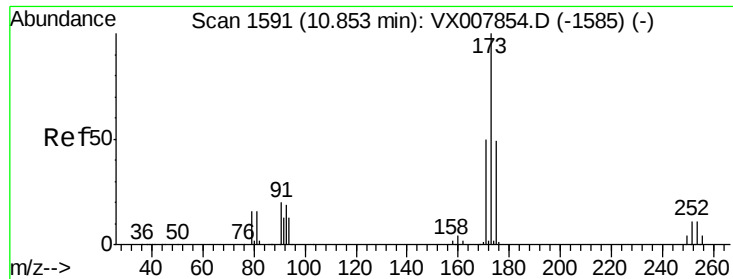
MMDadoda
3/7/2019 10:35:07 AM



#70
Styrene
Concen: 155.427 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Tgt Ion:104 Resp: 1148889
Ion Ratio Lower Upper
104 100
78 48.7 38.5 57.7
103 55.3 44.1 66.1





#71

Bromoform

Concen: 166.101 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

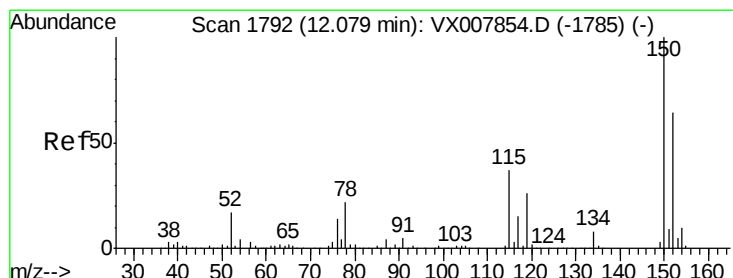
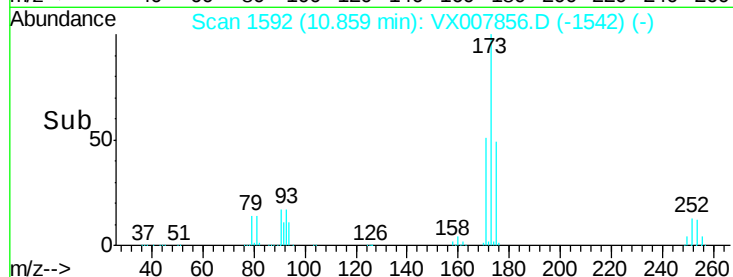
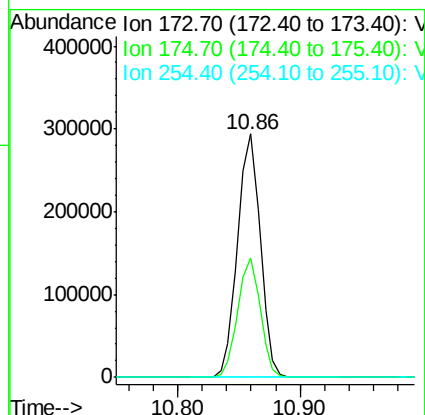
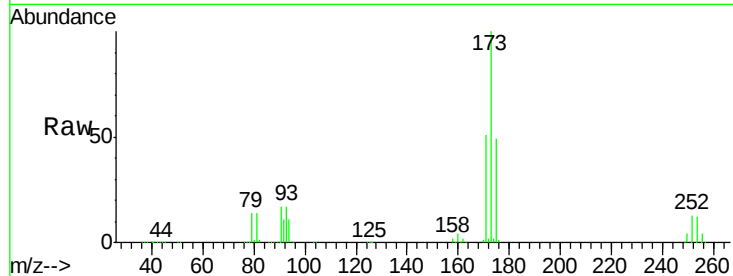
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.9
254	0.2	0.1	0.1#

Manual Integrations
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3/7/2019 10:35:07 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

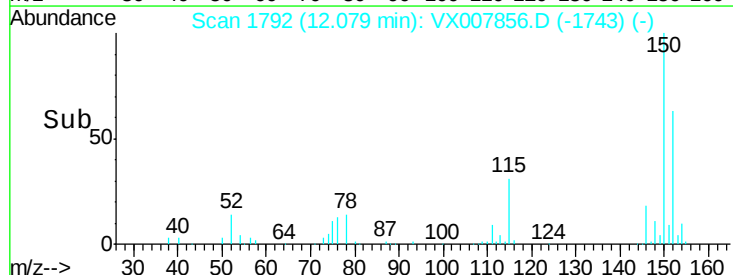
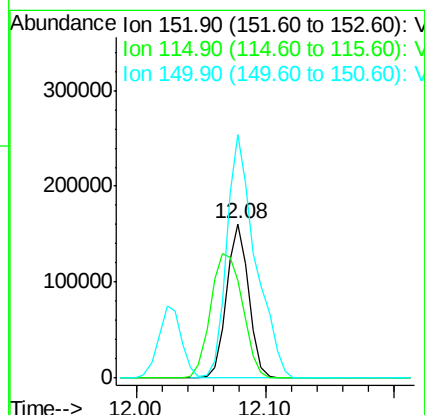
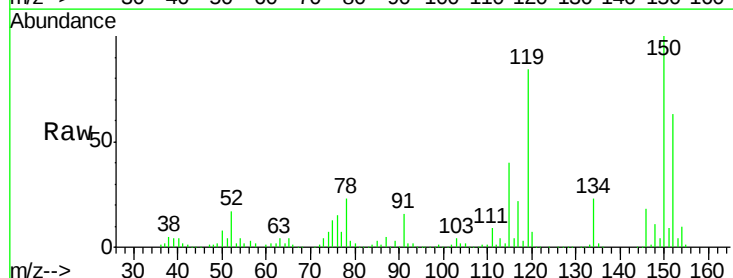
RT: 12.08 min Scan# 1792

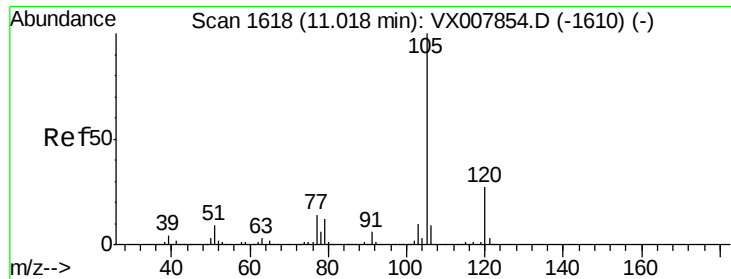
Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	116.8	38.6	115.7#
150	203.7	0.0	348.4





#73

Isopropylbenzene

Concen: 138.731 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1821386

Ion Ratio Lower Upper

105 100

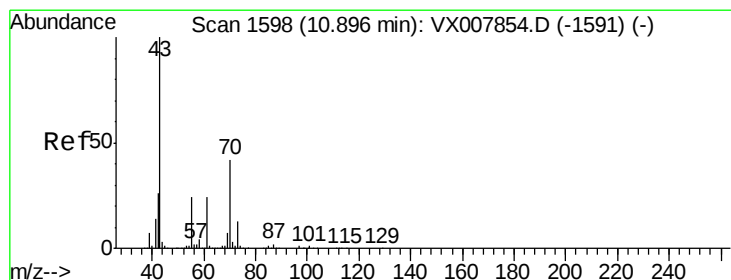
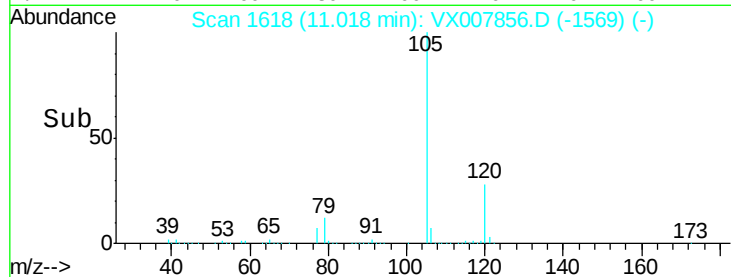
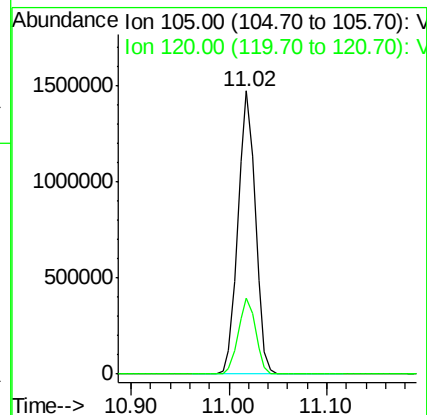
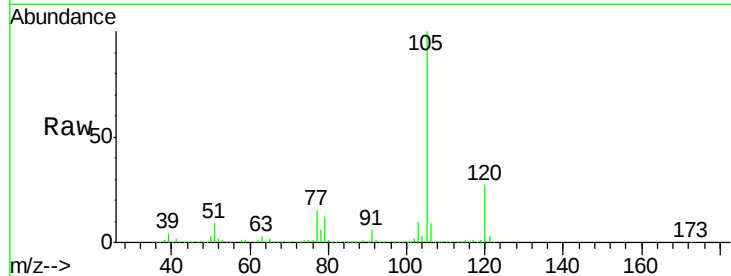
120 26.9 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 150.147 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Tgt Ion: 43 Resp: 899932

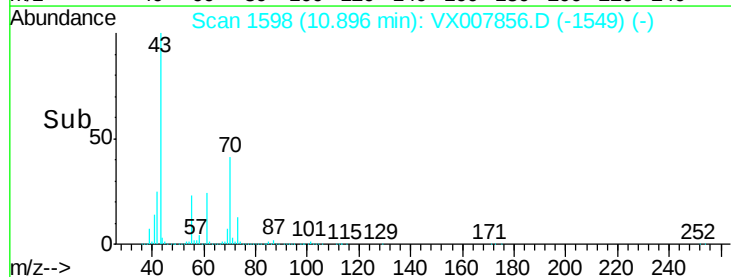
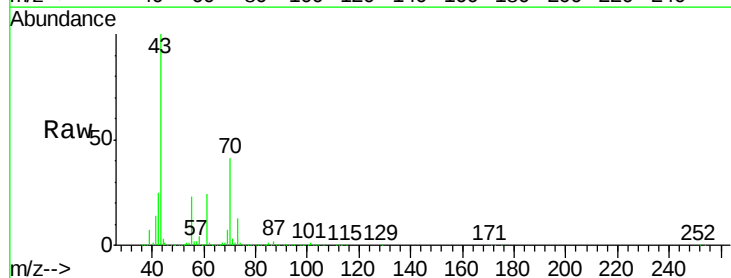
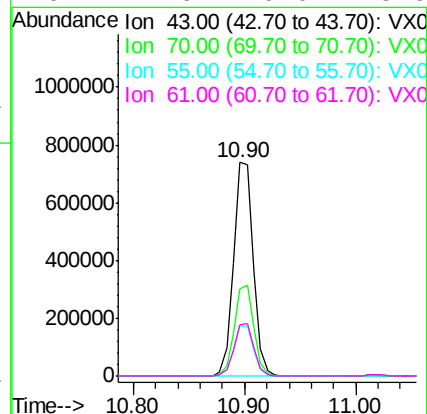
Ion Ratio Lower Upper

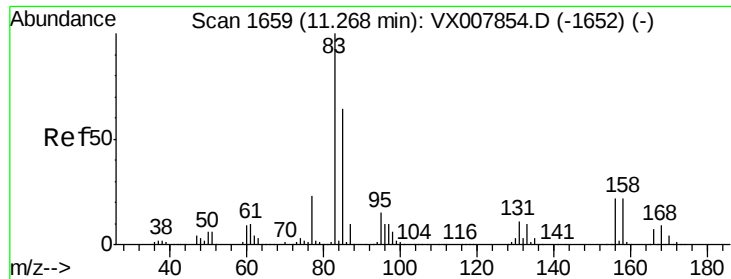
43 100

70 42.0 33.5 50.3

55 23.6 19.2 28.8

61 24.6 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 138.040 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

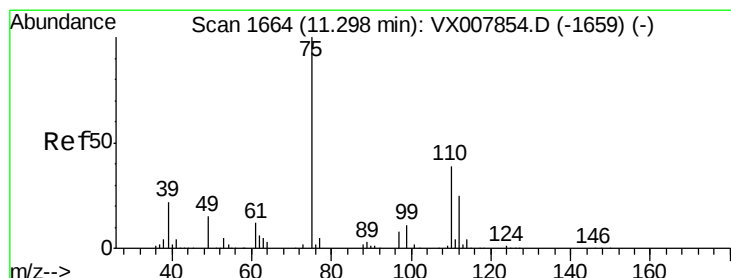
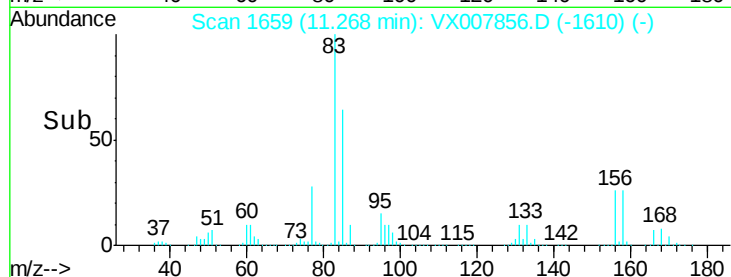
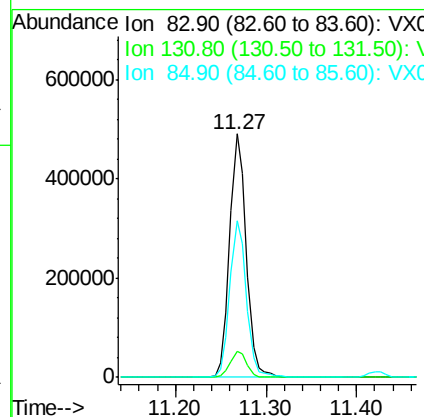
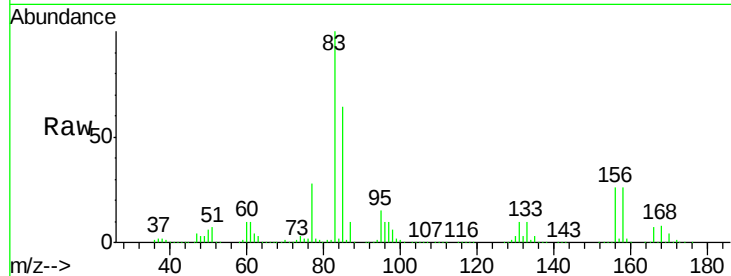
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	625136
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	64.4	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 141.300 ug/l m

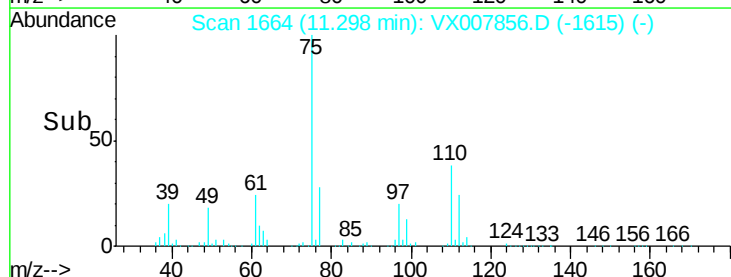
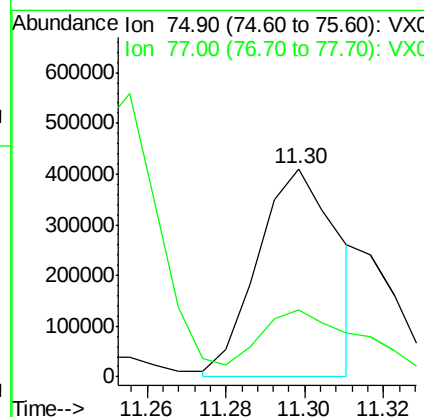
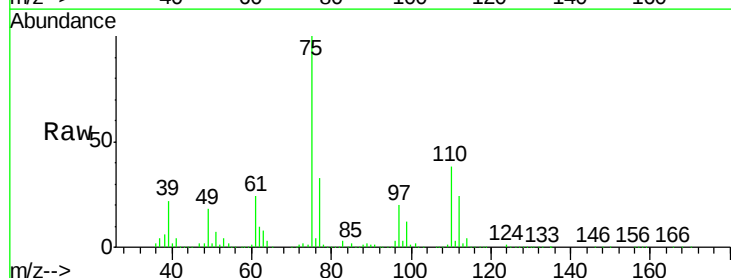
RT: 11.30 min Scan# 1664

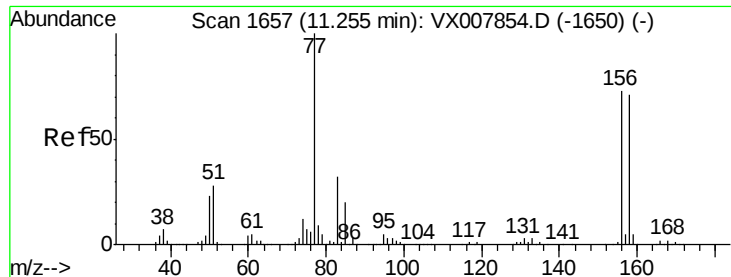
Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Tgt Ion:	75	Resp:	580373
Ion Ratio	Lower	Upper	
75	100		
77	41.6	18.9	56.7





#77

Bromobenzene

Concen: 136.890 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

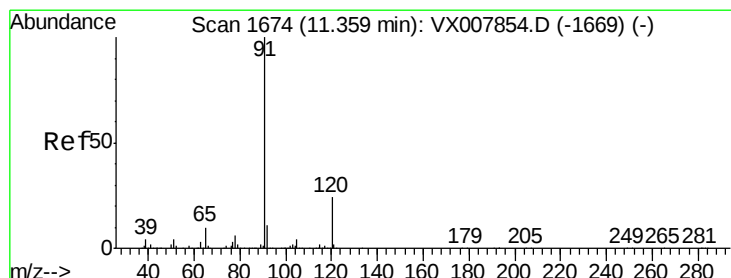
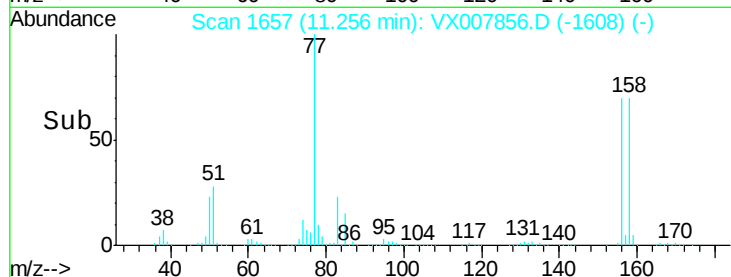
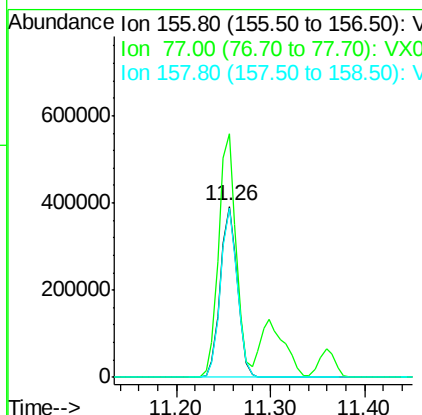
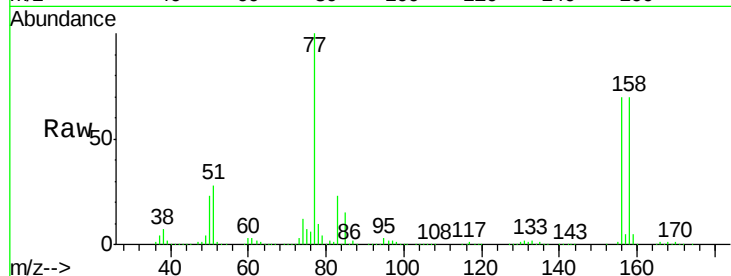
ClientSampled :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	146.4		72.0	215.9	
158	98.1		48.6	145.9	

Manual Integrations
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#78

n-propylbenzene

Concen: 143.219 ug/l

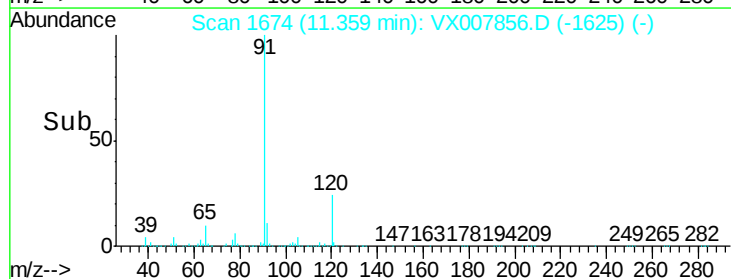
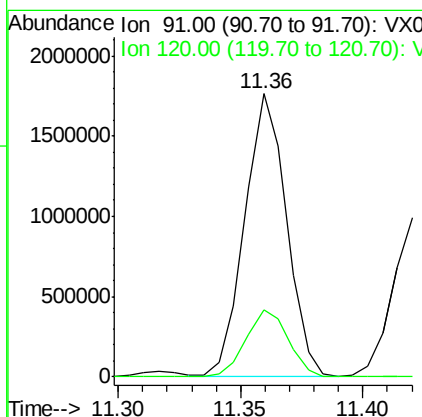
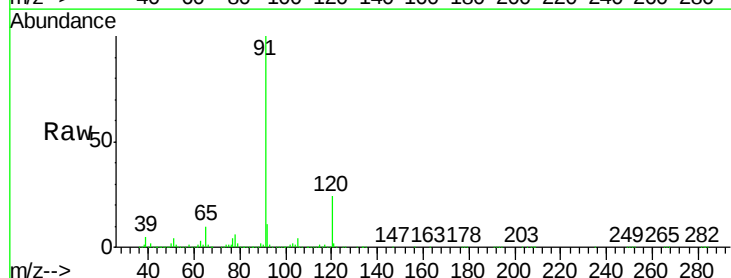
RT: 11.36 min Scan# 1674

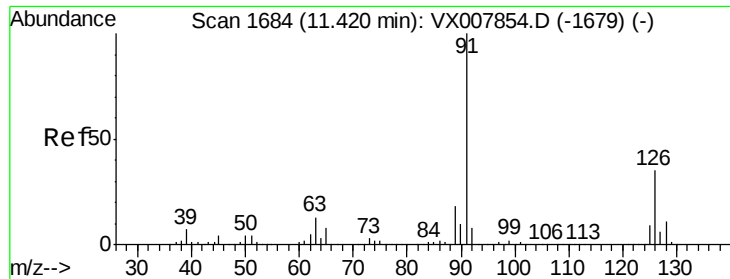
Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	24.1		12.0	36.0	





#79

2-Chlorotoluene

Concen: 137.999 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1228931

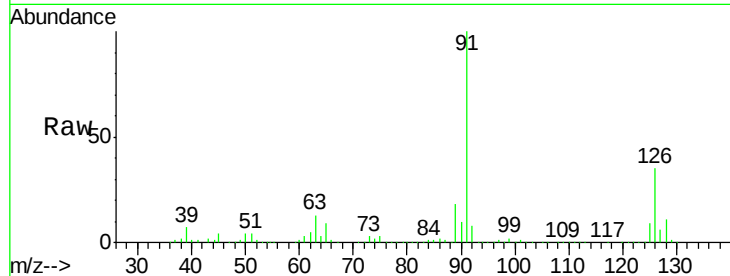
Ion Ratio Lower Upper

91 100

126 35.4 17.5 52.6

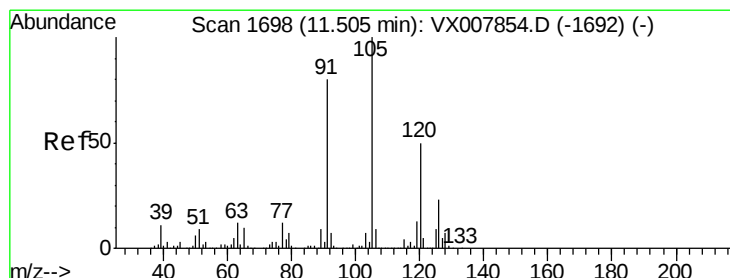
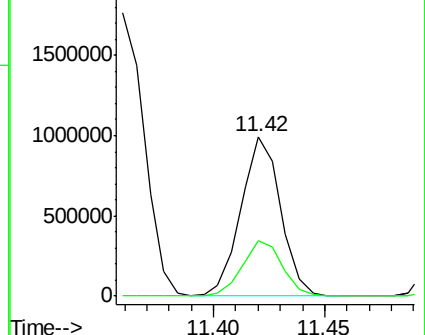
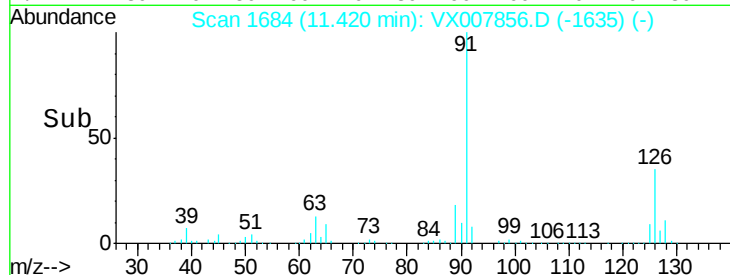
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX007856.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX007856.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 142.809 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007856.D

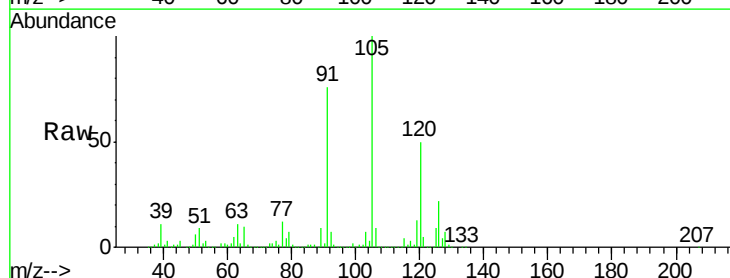
Acq: 06 Mar 2019 11:53

Tgt Ion: 105 Resp: 1543160

Ion Ratio Lower Upper

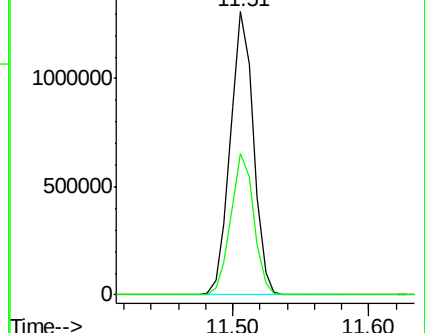
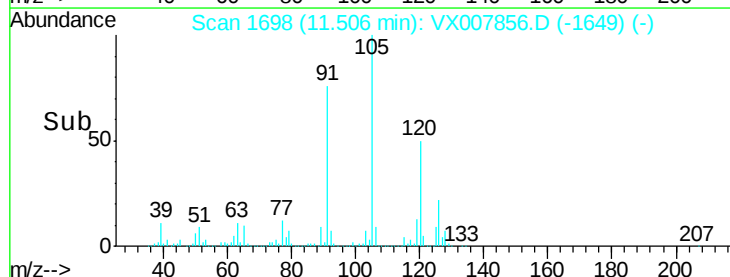
105 100

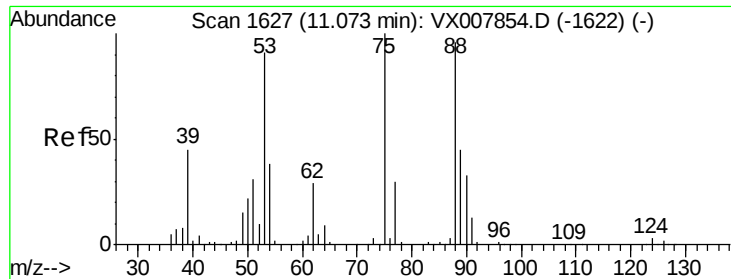
120 49.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX007856.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007856.D (-1692) (-)





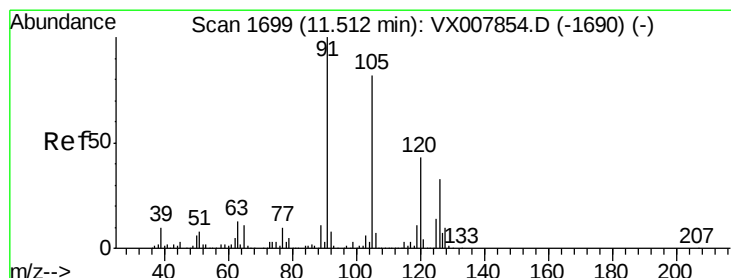
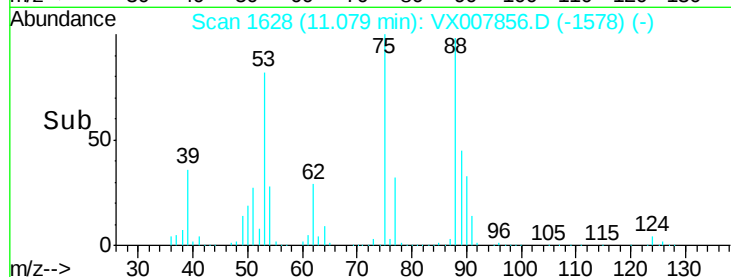
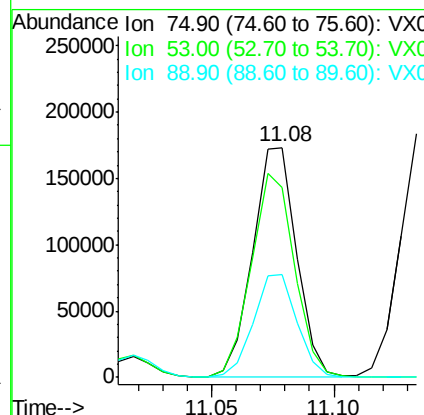
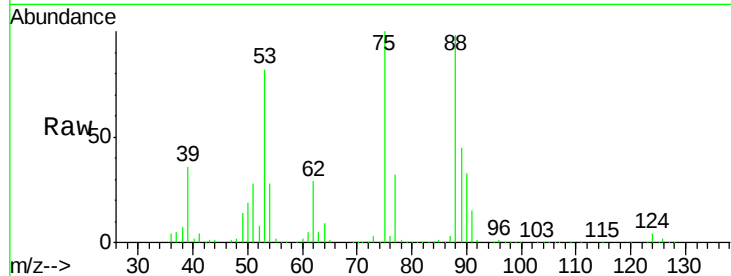
#81
trans-1,4-Dichloro-2-butene
Concen: 169.581 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. 0.01 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.0	76.1	114.1
89	44.8	36.3	54.5

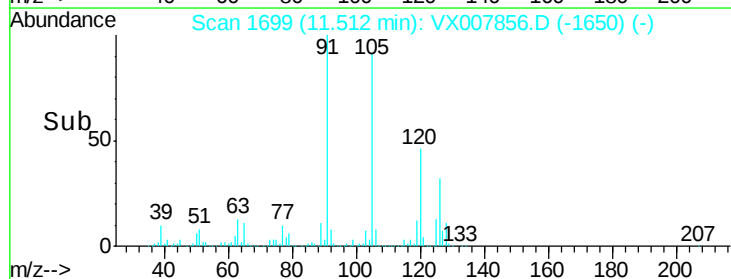
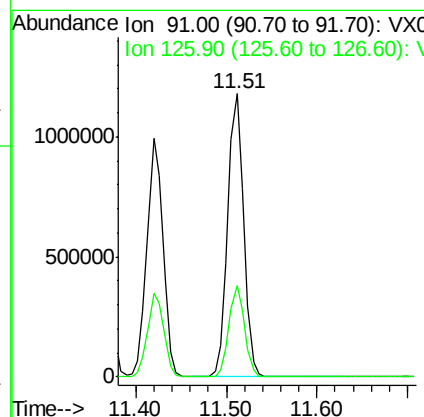
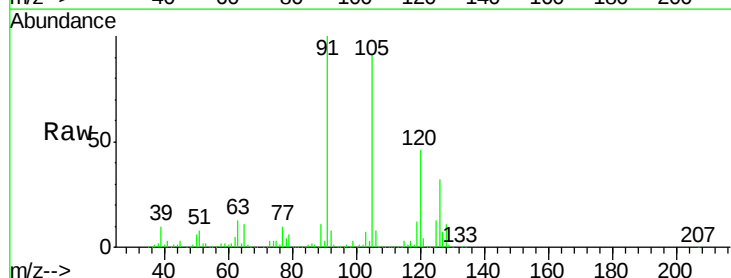
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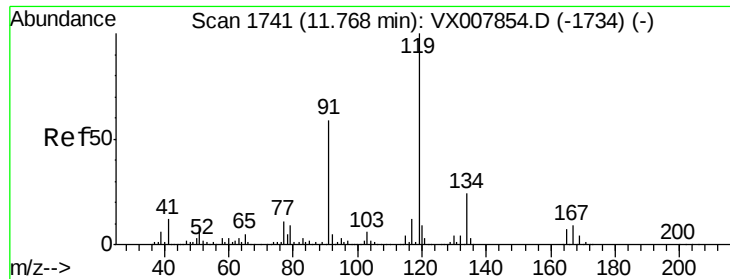
MMDadoda
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#82
4-Chlorotoluene
Concen: 141.860 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.8





#83

tert-Butylbenzene

Concen: 147.136 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:119 Resp: 1601517

Ion Ratio Lower Upper

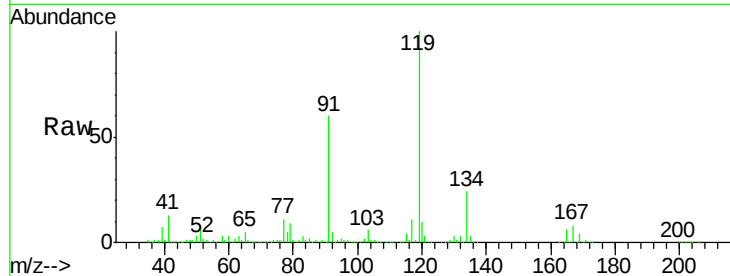
119 100

91 53.2 27.1 81.3

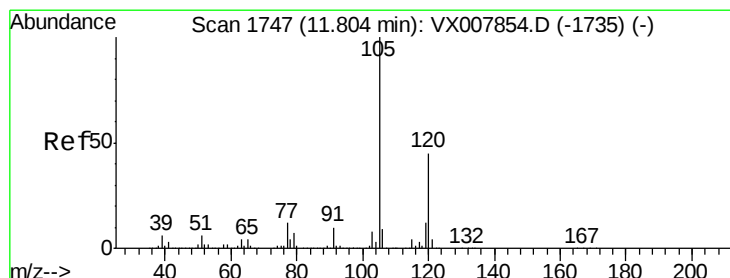
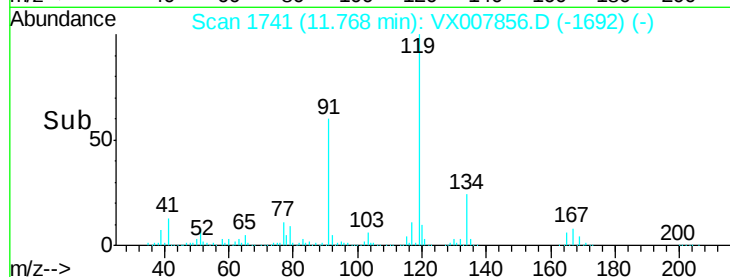
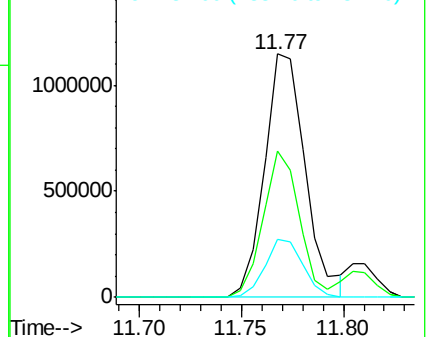
134 22.3 11.4 34.1

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 144.663 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007856.D

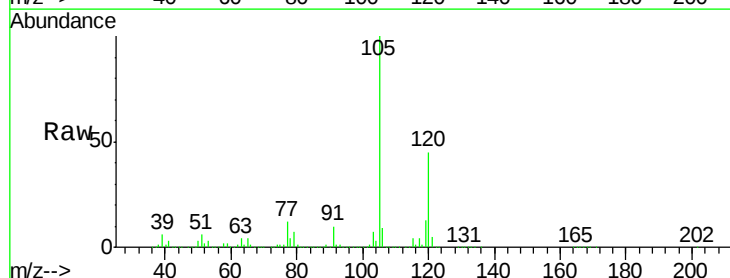
Acq: 06 Mar 2019 11:53

Tgt Ion:105 Resp: 1602472

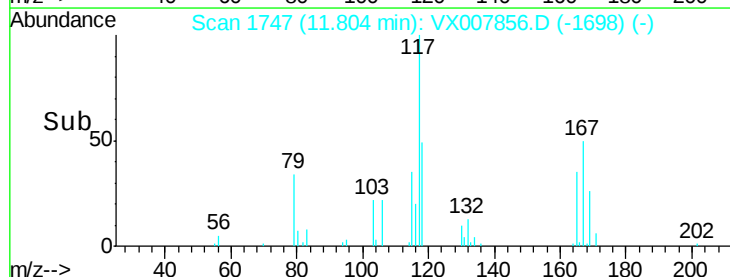
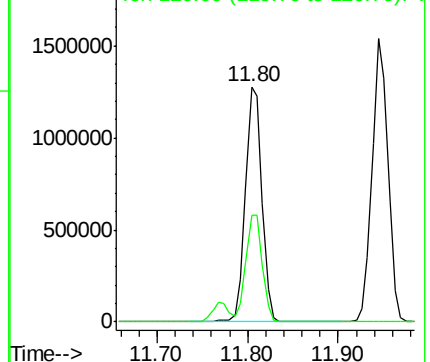
Ion Ratio Lower Upper

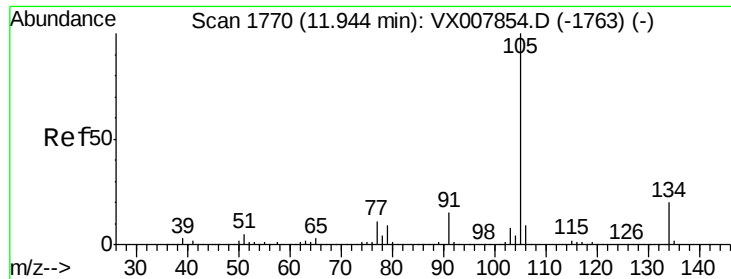
105 100

120 45.5 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 146.094 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1872840

Ion Ratio Lower Upper

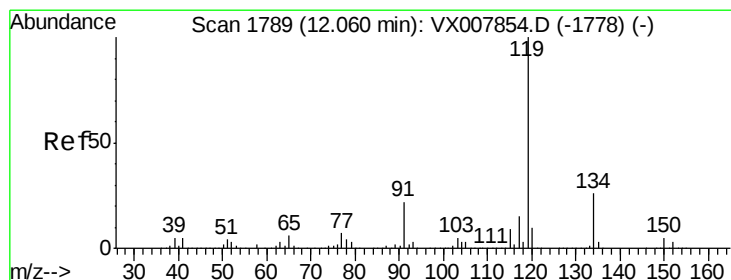
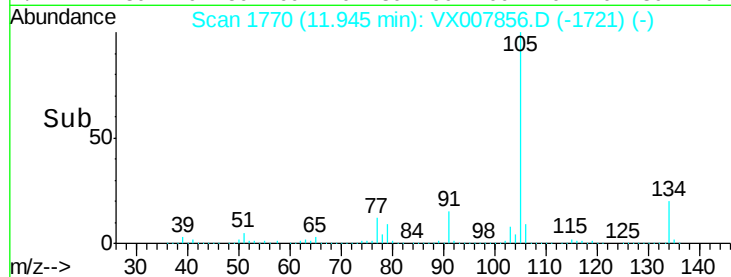
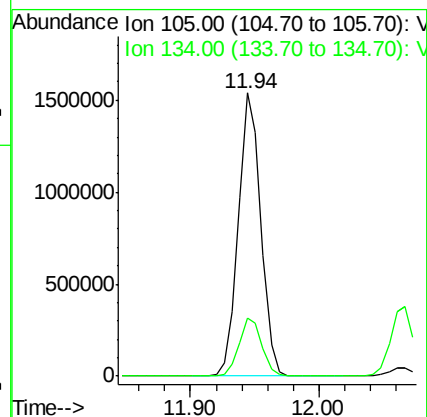
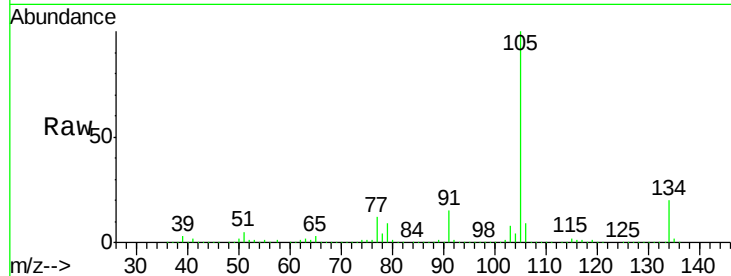
105 100

134 20.8 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 148.598 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

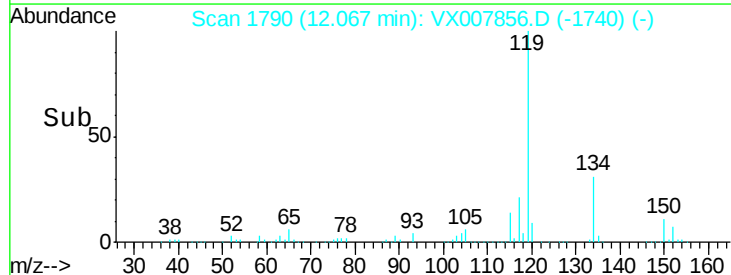
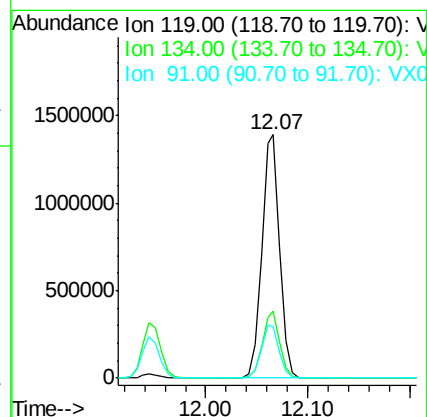
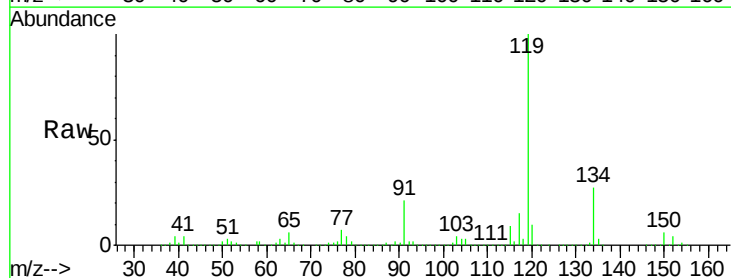
Tgt Ion:119 Resp: 1706012

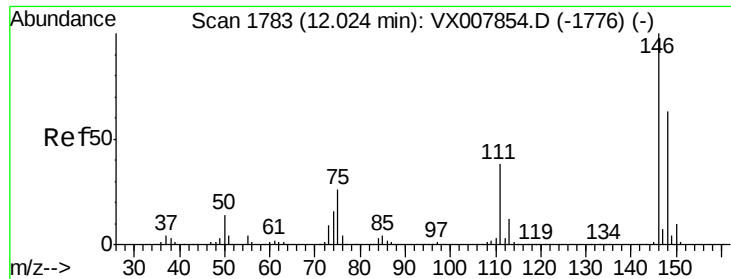
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 21.9 10.9 32.7





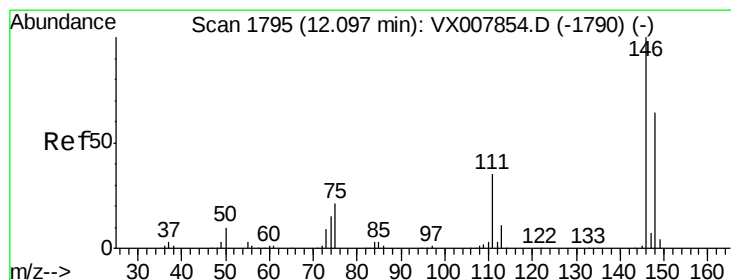
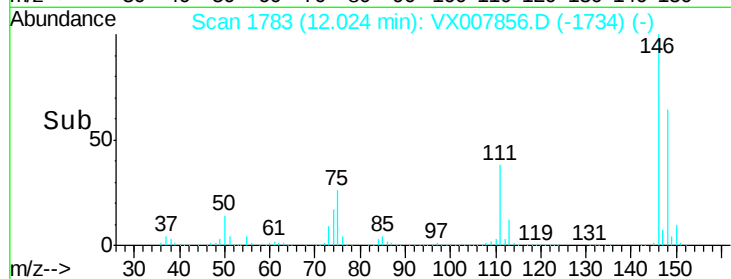
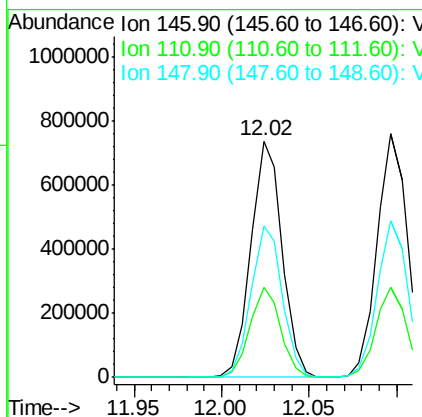
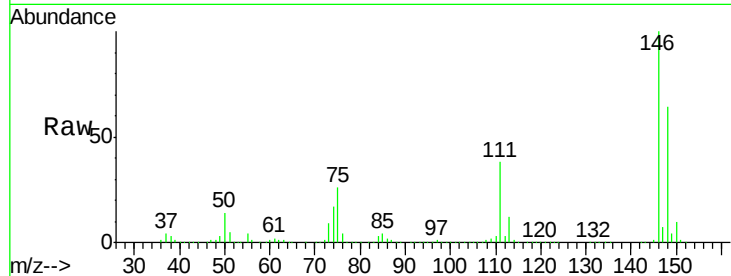
#87
 1,3-Dichlorobenzene
 Concen: 143.150 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007856.D
 Acq: 06 Mar 2019 11:53

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.7
148	64.3	31.7	95.1

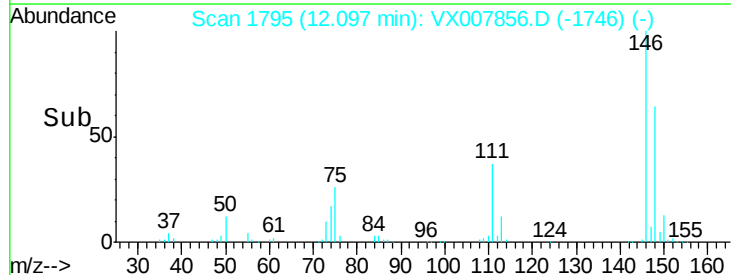
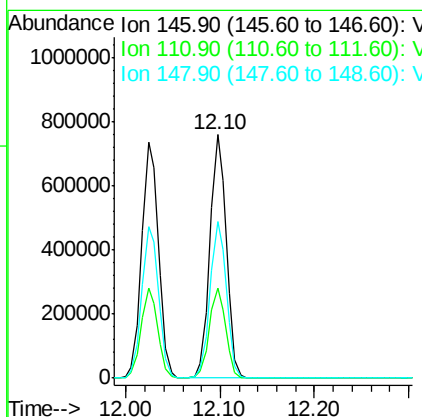
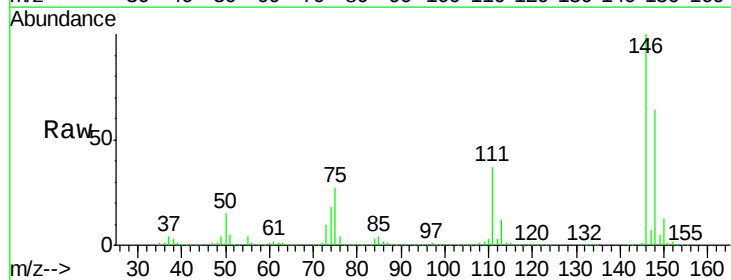
Manual Integrations
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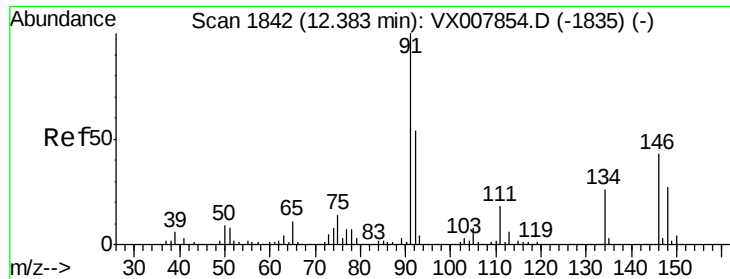
MMDadoda
 3/7/2019 10:35:07 AM



#88
 1,4-Dichlorobenzene
 Concen: 140.084 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007856.D
 Acq: 06 Mar 2019 11:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.0
148	64.5	32.2	96.6





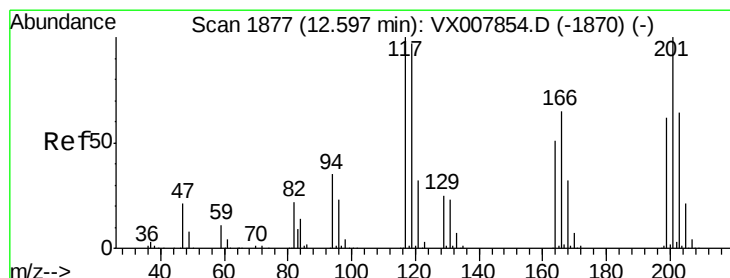
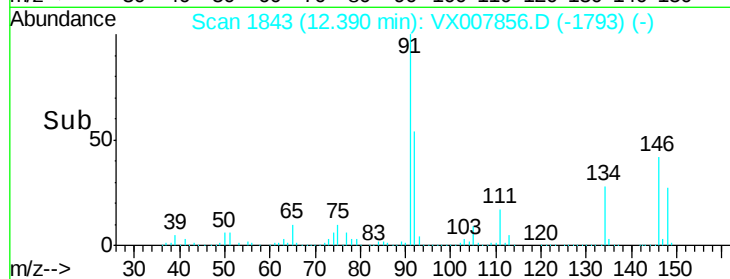
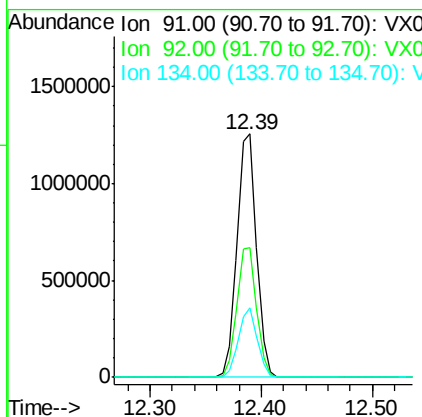
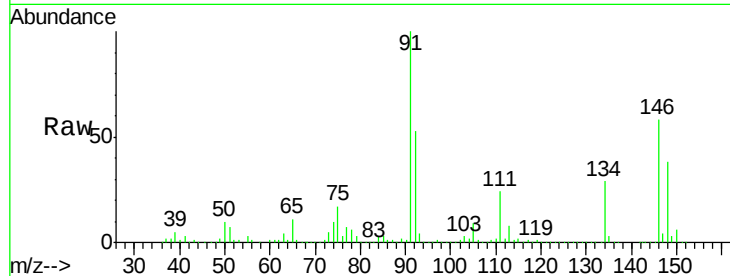
#89
n-Butylbenzene
Concen: 156.648 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1523657
Ion Ratio Lower Upper
91 100
92 53.7 27.0 80.8
134 27.4 13.7 41.0

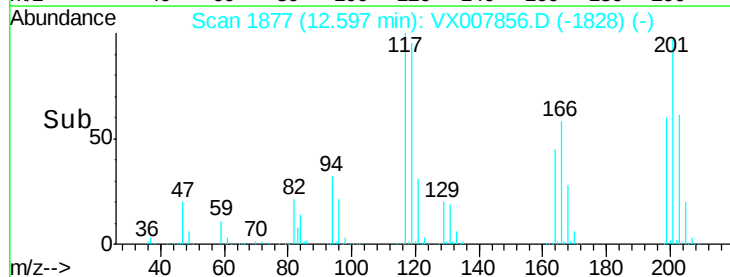
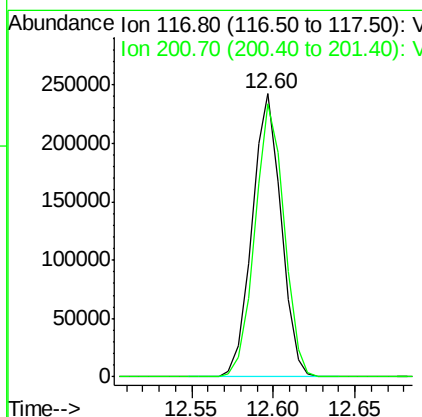
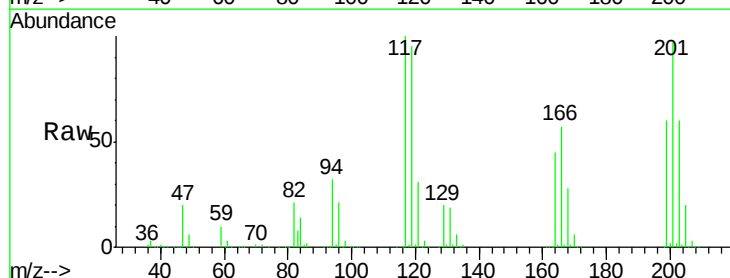
Manual Integrations
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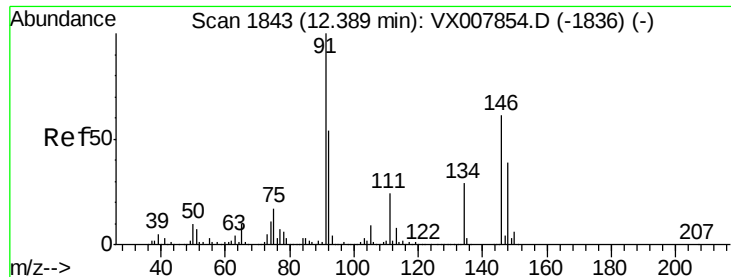
MMDadoda
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#90
Hexachloroethane
Concen: 156.614 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007856.D
Acq: 06 Mar 2019 11:53

Tgt Ion: 117 Resp: 300625
Ion Ratio Lower Upper
117 100
201 96.9 48.9 146.7





#91

1,2-Dichlorobenzene

Concen: 141.678 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

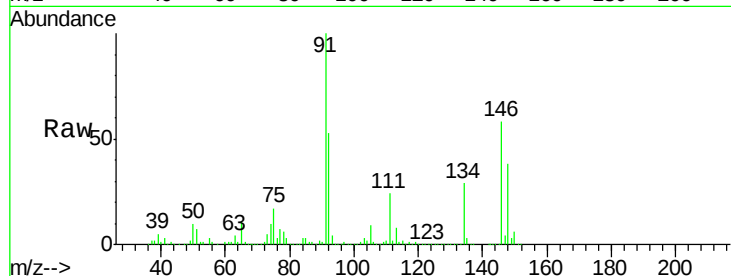
ClientSampleId :

VSTDIC150

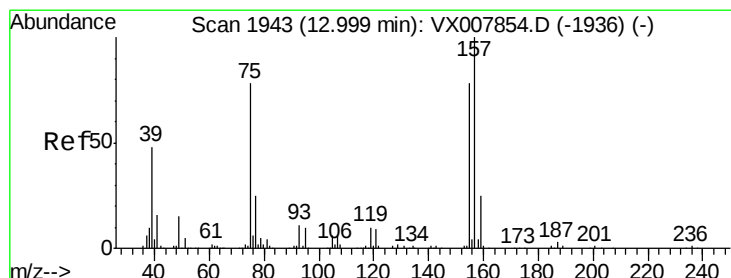
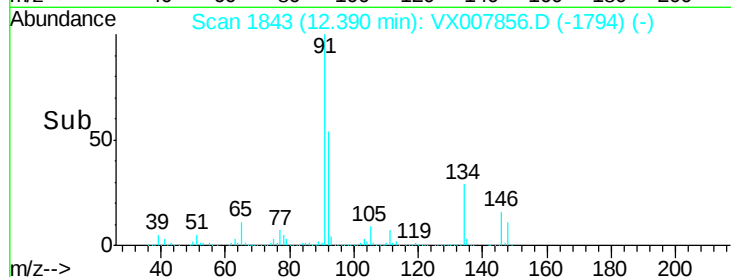
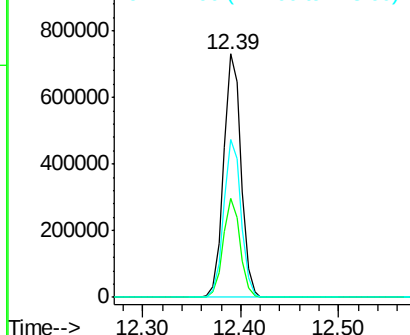
Tot Ion:	146	Resp:	896276
Ion Ratio	Lower	Upper	
146	100		
111	39.6	19.6	58.8
148	64.5	31.9	95.5

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 152.432 ug/l

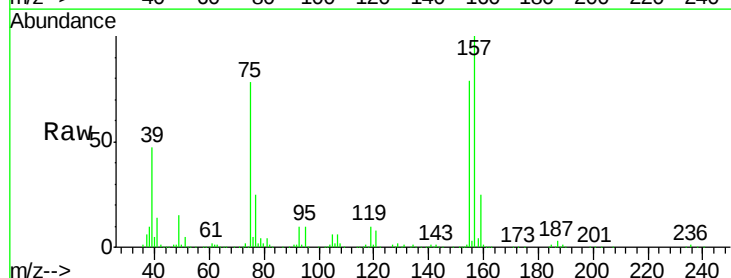
RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

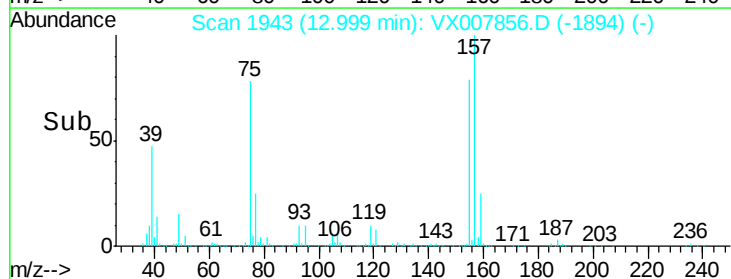
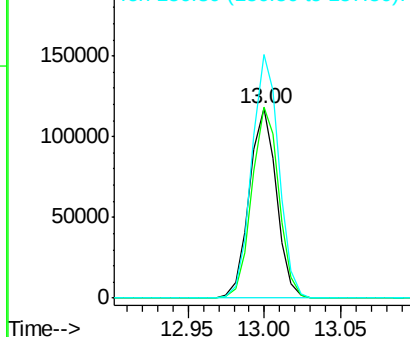
Lab File: VX007856.D

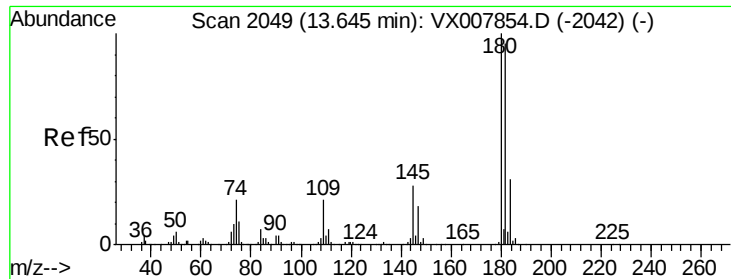
Acq: 06 Mar 2019 11:53

Tgt Ion:	75	Resp:	144269
Ion Ratio	Lower	Upper	
75	100		
155	100.8	49.7	149.1
157	128.7	63.8	191.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





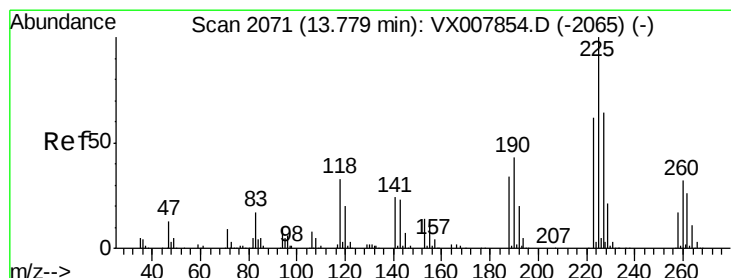
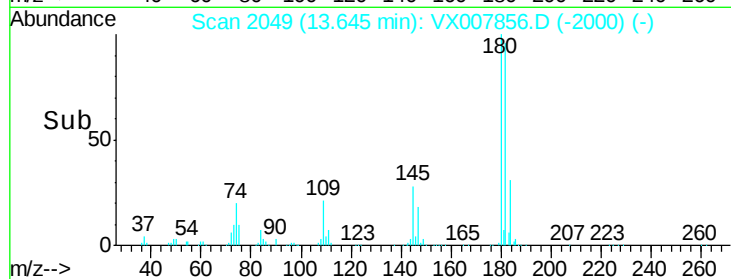
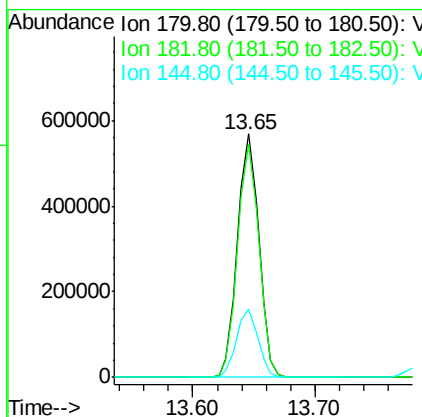
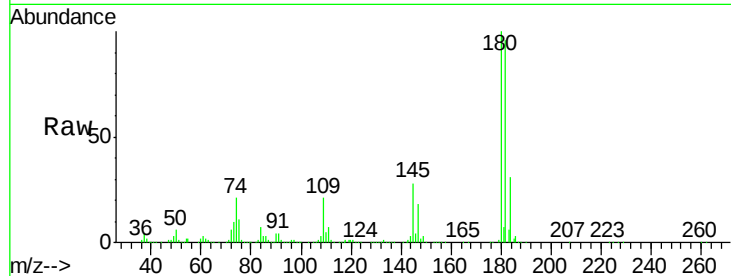
#93
 1,2,4-Trichlorobenzene
 Concen: 154.139 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007856.D
 Acq: 06 Mar 2019 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	685007		
182	95.5	47.9	143.7	
145	28.0	14.1	42.4	

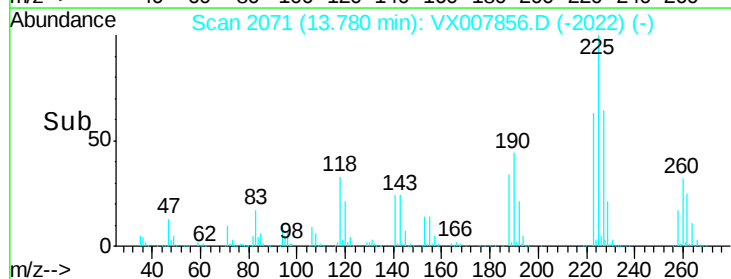
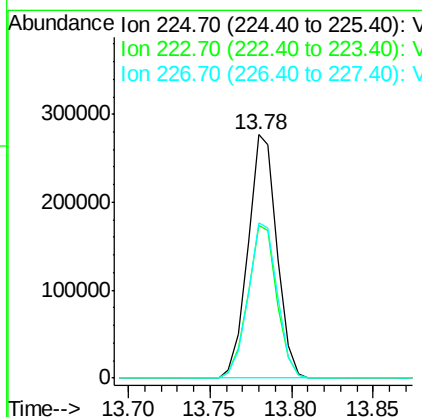
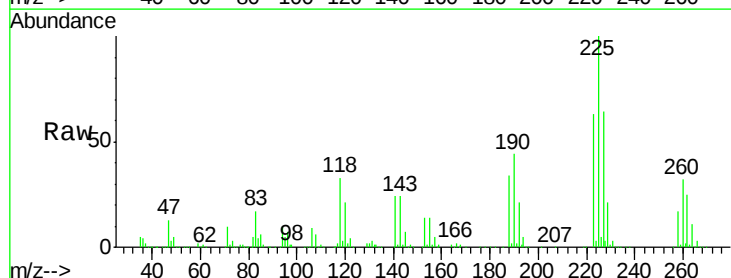
Manual Integrations
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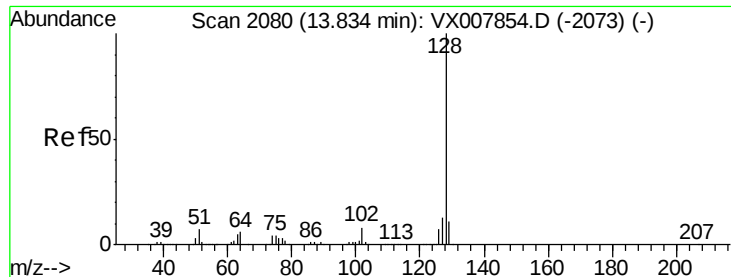
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#94
 Hexachlorobutadiene
 Concen: 147.421 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007856.D
 Acq: 06 Mar 2019 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	342529		
223	62.9	31.1	93.2	
227	64.1	32.0	96.0	





#95

Naphthalene

Concen: 155.375 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1989567

Ion Ratio Lower Upper

128 100

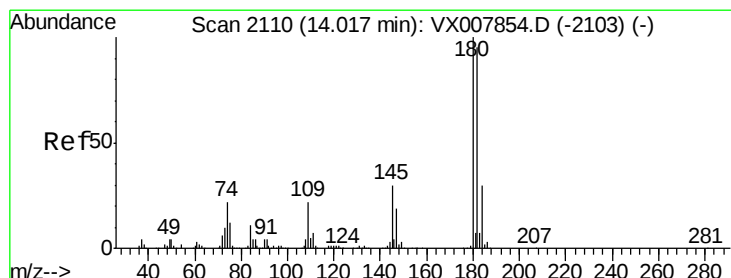
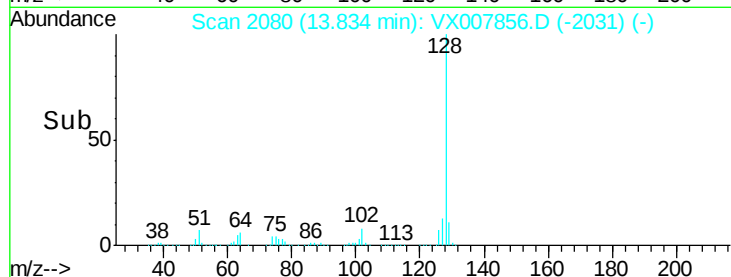
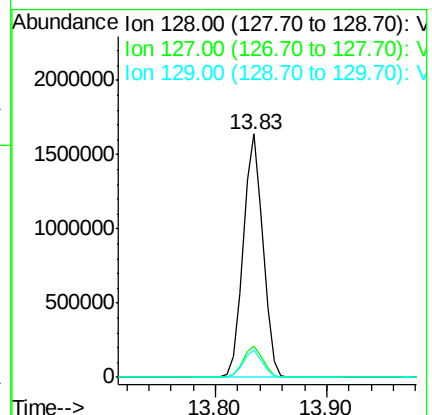
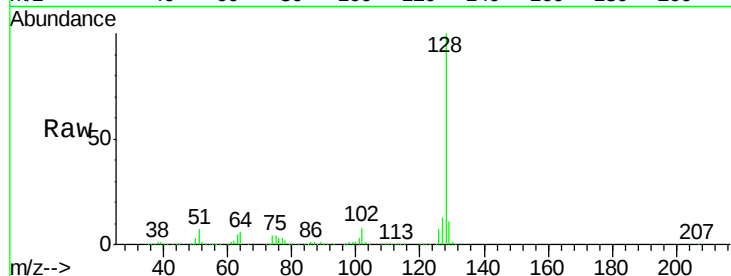
127 12.9 10.3 15.5

129 11.1 8.7 13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 149.576 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007856.D

Acq: 06 Mar 2019 11:53

Tgt Ion:180 Resp: 662184

Ion Ratio Lower Upper

180 100

182 96.2 47.5 142.5

145 30.1 14.8 44.3

