

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030719\
 Data File : VX007874.D
 Acq On : 07 Mar 2019 10:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:40:22 AM

Quant Time: Mar 08 04:54:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	338898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	471279	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	424307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217497	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	160023	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	
35) Dibromofluoromethane	5.50	113	142985	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
50) Toluene-d8	8.71	98	544809	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	11.13	95	194461	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	148482	51.282	ug/l	100
3) Chloromethane	1.33	50	184782	49.522	ug/l	99
4) Vinyl Chloride	1.41	62	189356	51.074	ug/l	99
5) Bromomethane	1.64	94	90812	52.246	ug/l	99
6) Chloroethane	1.72	64	118182	47.984	ug/l	98
7) Trichlorofluoromethane	1.93	101	243537	50.453	ug/l	98
8) Diethyl Ether	2.19	74	104588	50.036	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	155991	52.149	ug/l	99
10) Methyl Iodide	2.51	142	229228	54.017	ug/l	99
11) Tert butyl alcohol	3.07	59	185995	232.639	ug/l	100
12) 1,1-Dichloroethene	2.38	96	144838	50.232	ug/l	97
13) Acrolein	2.30	56	107370	237.389	ug/l	98
14) Allyl chloride	2.73	41	302839	49.983	ug/l	100
15) Acrylonitrile	3.15	53	487043	241.347	ug/l	100
16) Acetone	2.45	43	538907	260.435	ug/l	100
17) Carbon Disulfide	2.57	76	454655	51.942	ug/l	99
18) Methyl Acetate	2.78	43	215161	48.944	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	498776	50.282	ug/l	100
20) Methylene Chloride	2.86	84	161326	48.987	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	153992	48.537	ug/l	99
22) Diisopropyl ether	3.87	45	551568	49.661	ug/l	96
23) Vinyl Acetate	3.82	43	2440862	250.611	ug/l	100
24) 1,1-Dichloroethane	3.70	63	296362	49.584	ug/l	99
25) 2-Butanone	4.70	43	718989	245.427	ug/l	98
26) 2,2-Dichloropropane	4.59	77	209571	52.925	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	177942	49.014	ug/l	100
28) Bromochloromethane	5.02	49	126627	45.443	ug/l	100
29) Tetrahydrofuran	5.15	42	437086	239.192	ug/l	100
30) Chloroform	5.21	83	280487	49.610	ug/l	99
31) Cyclohexane	5.57	56	283916	51.684	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	239317	51.016	ug/l	99
36) 1,1-Dichloropropene	5.80	75	221303	51.860	ug/l	99
37) Ethyl Acetate	4.85	43	250528	49.472	ug/l	99
38) Carbon Tetrachloride	5.78	117	214445	52.933	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	293277	56.718	ug/l	98
40) Benzene	6.14	78	667352	52.530	ug/l	100
41) Methacrylonitrile	5.06	41	143403	51.940	ug/l	99
42) 1,2-Dichloroethane	6.20	62	214212	51.560	ug/l	100
43) Isopropyl Acetate	6.46	43	394949	52.698	ug/l	100
44) Trichloroethene	7.21	130	183177	52.321	ug/l	97
45) 1,2-Dichloropropane	7.51	63	177168	52.801	ug/l	100
46) Dibromomethane	7.66	93	110055	51.828	ug/l	100
47) Bromodichloromethane	7.90	83	213251	52.969	ug/l	99
48) Methyl methacrylate	7.77	41	208697	52.964	ug/l	99
49) 1,4-Dioxane	7.75	88	81082	1001.713	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1261365	261.706	ug/l	100
52) Toluene	8.78	92	419517	54.088	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	242355	57.675	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	267648	56.404	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	167390	53.313	ug/l	99
56) Ethyl methacrylate	9.18	69	262693	55.724	ug/l	99
57) 1,3-Dichloropropane	9.37	76	279912	53.095	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	583776	239.394	ug/l	99
59) 2-Hexanone	9.49	43	974693	260.475	ug/l	100
60) Dibromochloromethane	9.58	129	181764	55.385	ug/l	100
61) 1,2-Dibromoethane	9.67	107	177621	53.283	ug/l	100
64) Tetrachloroethene	9.34	164	182666	51.950	ug/l	99
65) Chlorobenzene	10.13	112	464691	52.336	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	169176	53.163	ug/l	100
67) Ethyl Benzene	10.25	91	793381	54.283	ug/l	100
68) m/p-Xylenes	10.36	106	615576	109.268	ug/l	100
69) o-Xylene	10.69	106	295316	54.297	ug/l	99
70) Styrene	10.71	104	489454	54.994	ug/l	100
71) Bromoform	10.85	173	145219	53.139	ug/l #	100
73) Isopropylbenzene	11.02	105	801243	54.471	ug/l	100
74) N-amyl acetate	10.90	43	341745	50.890	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	245460	48.377	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	240762m	52.752	ug/l	
77) Bromobenzene	11.26	156	209265	51.890	ug/l	100
78) n-propylbenzene	11.36	91	910796	55.813	ug/l	100
79) 2-Chlorotoluene	11.42	91	526600	52.778	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	662389	54.712	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	78917	55.271	ug/l	98
82) 4-Chlorotoluene	11.51	91	611510	53.480	ug/l	100
83) tert-Butylbenzene	11.77	119	658503	53.997	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	676017	54.469	ug/l	100
85) sec-Butylbenzene	11.94	105	807613	56.229	ug/l	100
86) p-Isopropyltoluene	12.06	119	729148	56.686	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	373455	52.343	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	374593	51.268	ug/l	100
89) n-Butylbenzene	12.38	91	633006	58.086	ug/l	99
90) Hexachloroethane	12.60	117	119031	55.347	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	364241	51.390	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51122	48.210	ug/l	97

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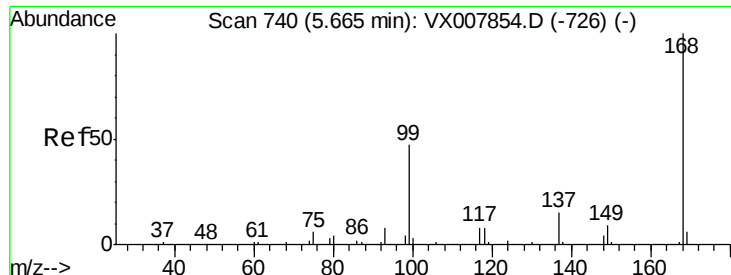
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	272921	54.813	ug/l	100
94) Hexachlorobutadiene	13.78	225	146478	56.268	ug/l	99
95) Naphthalene	13.83	128	771644	53.786	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	268280	54.088	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 338898

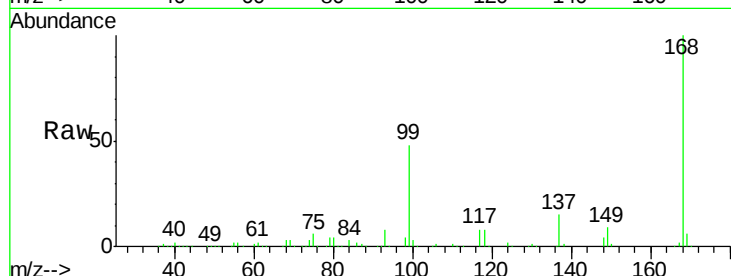
Ion Ratio Lower Upper

168 100

99 47.4 37.6 56.4

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

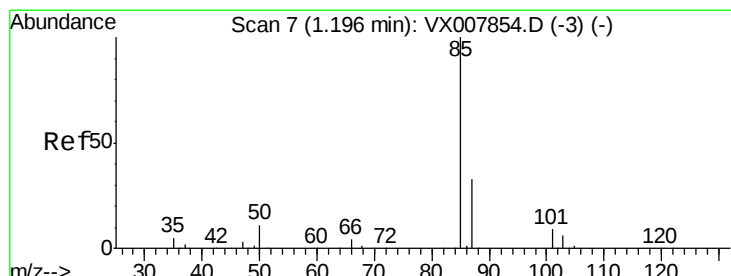
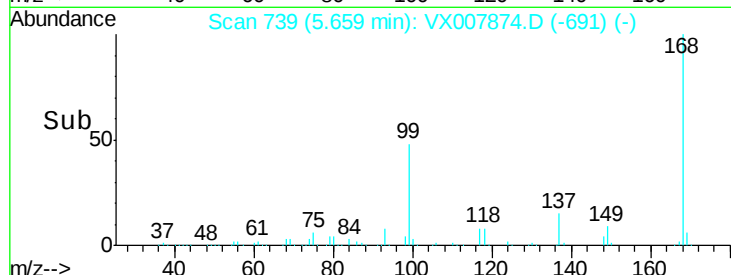
5.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.282 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007874.D

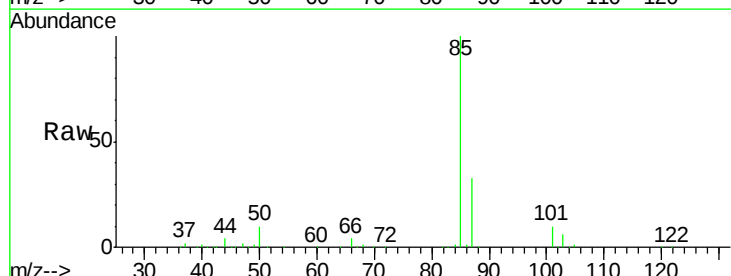
Acq: 07 Mar 2019 10:11

Tgt Ion: 85 Resp: 148482

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

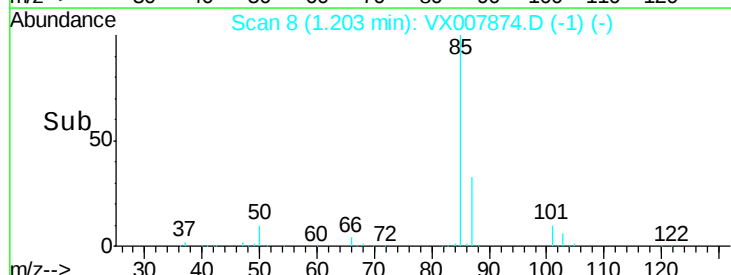
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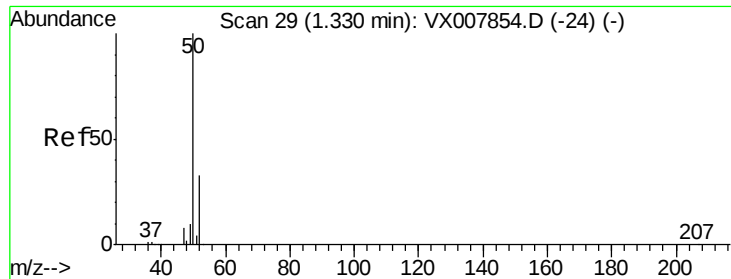
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50000

0

Time-->





#3

Chloromethane

Concen: 49.522 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 184782

Ion Ratio Lower Upper

50 100

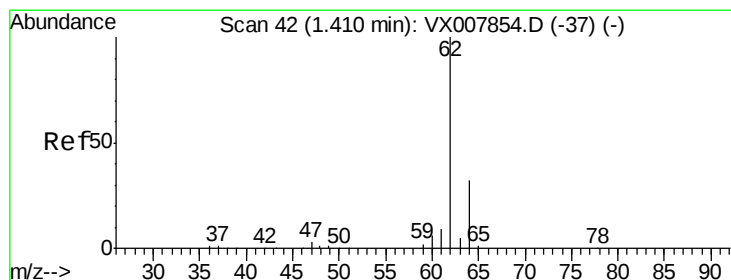
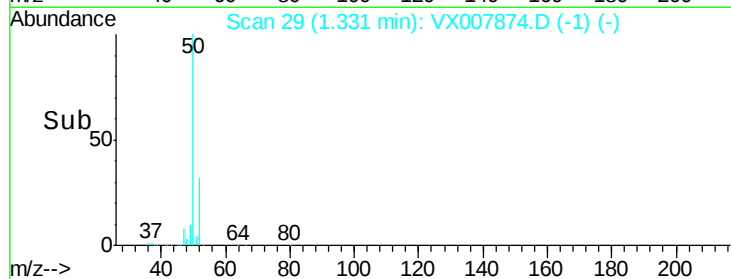
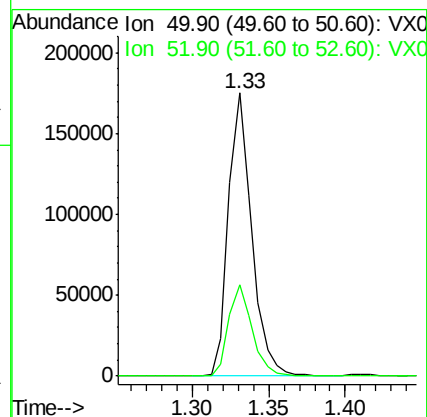
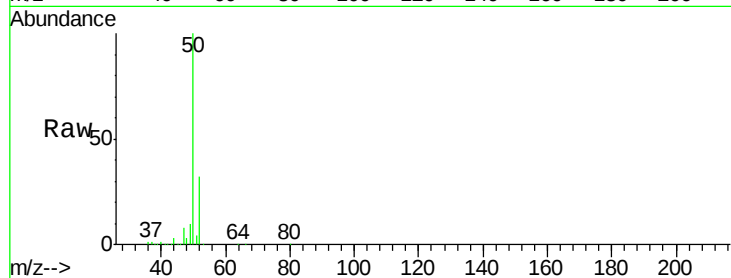
52 32.4 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.074 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007874.D

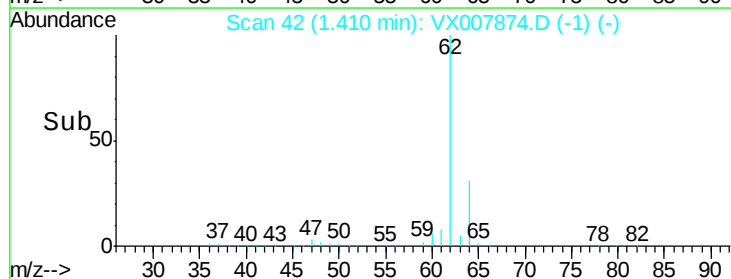
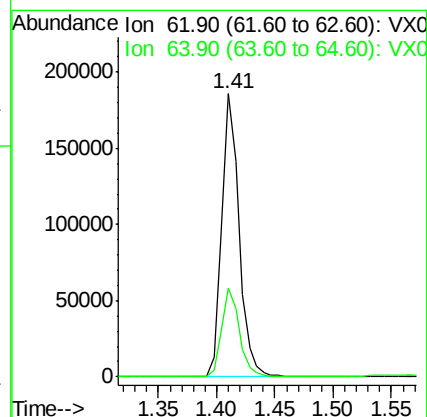
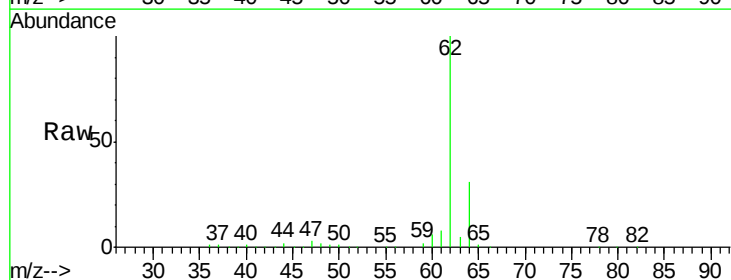
Acq: 07 Mar 2019 10:11

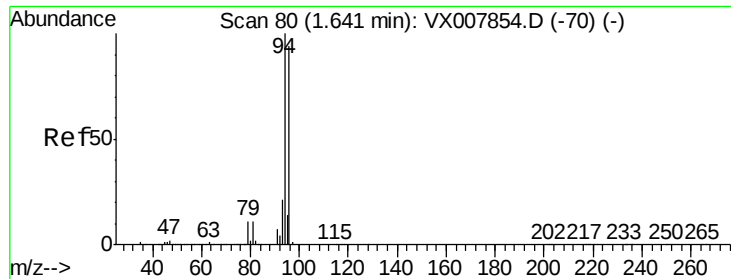
Tgt Ion: 62 Resp: 189356

Ion Ratio Lower Upper

62 100

64 31.0 25.3 37.9





#5

Bromomethane

Concen: 52.246 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 90812

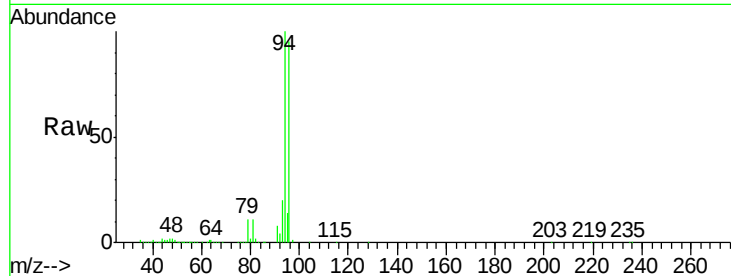
Ion Ratio Lower Upper

94 100

96 94.9 75.5 113.3

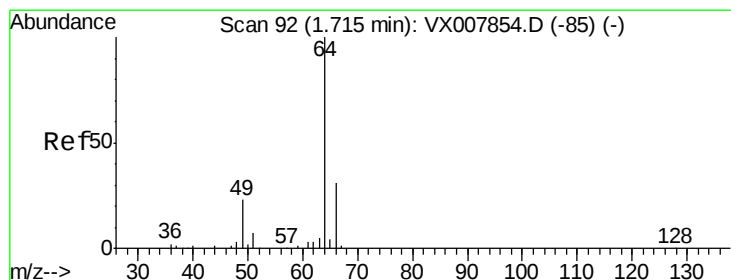
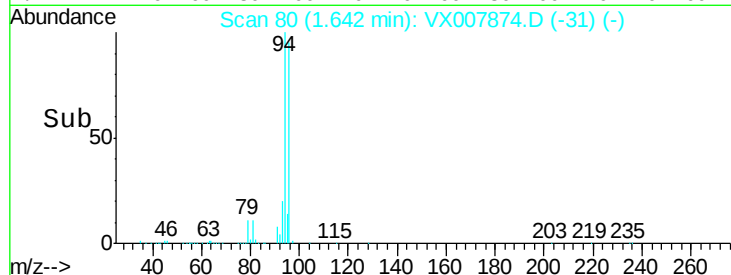
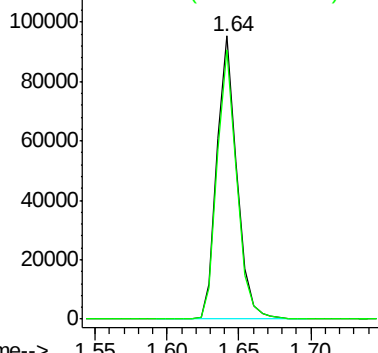
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.984 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007874.D

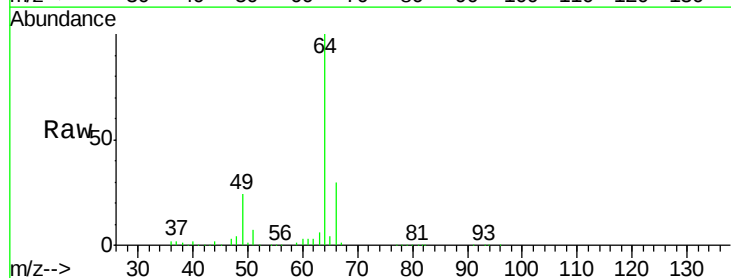
Acq: 07 Mar 2019 10:11

Tgt Ion: 64 Resp: 118182

Ion Ratio Lower Upper

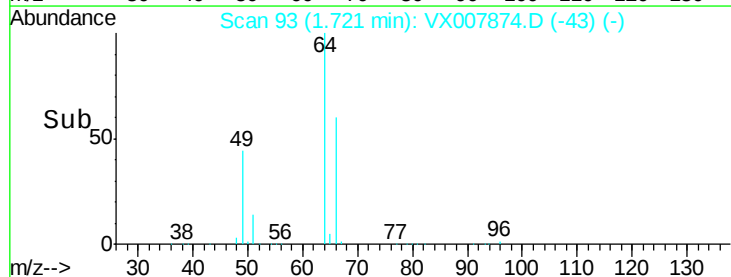
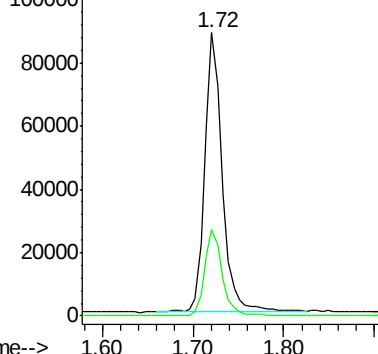
64 100

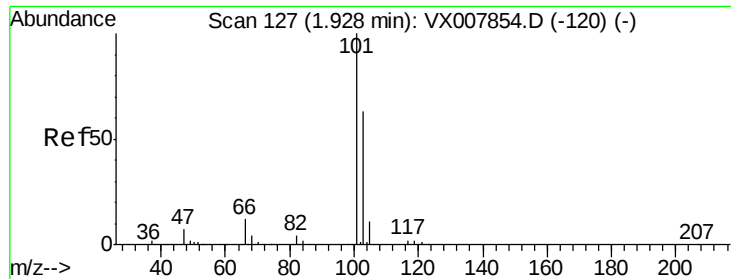
66 30.7 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

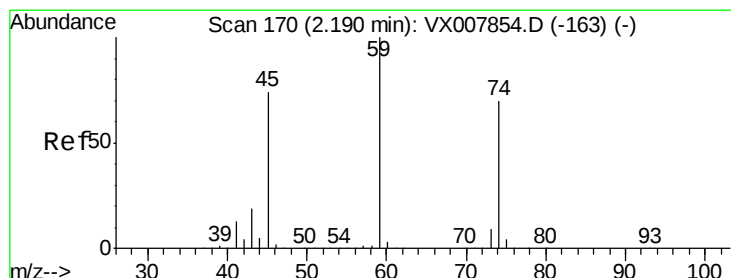
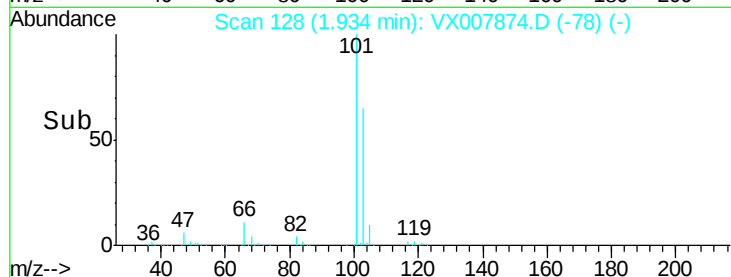
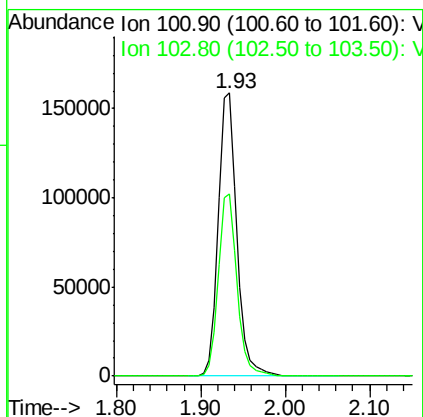
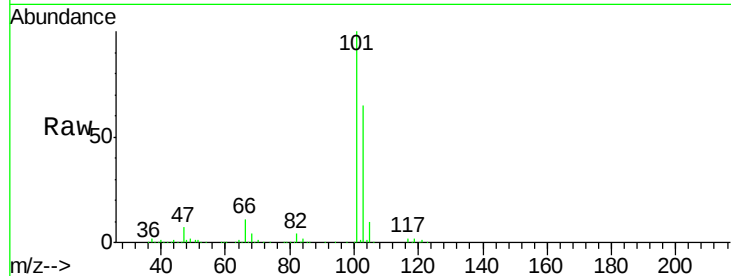
Trichlorofluoromethane
Concen: 50.453 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.4	75.6

Manual Integrations
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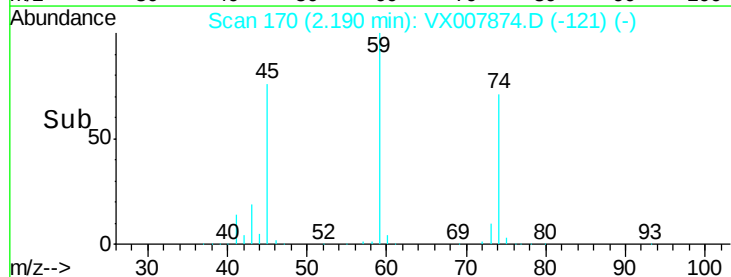
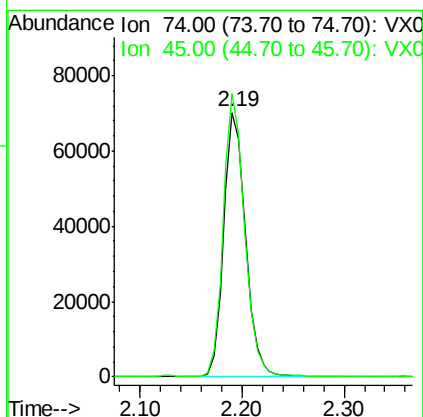
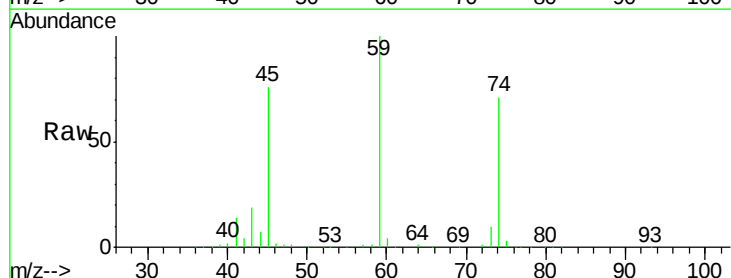
MMDadoda
3/8/2019 9:40:22 AM

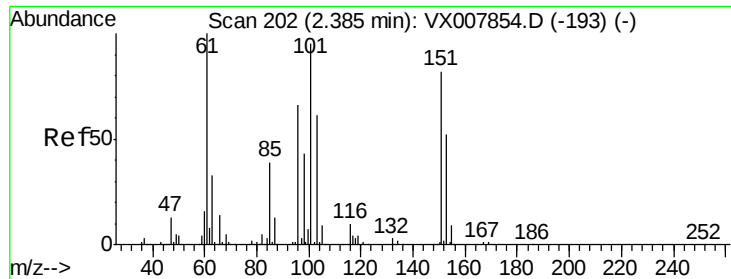


#8

Diethyl Ether
Concen: 50.036 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.1	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.149 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

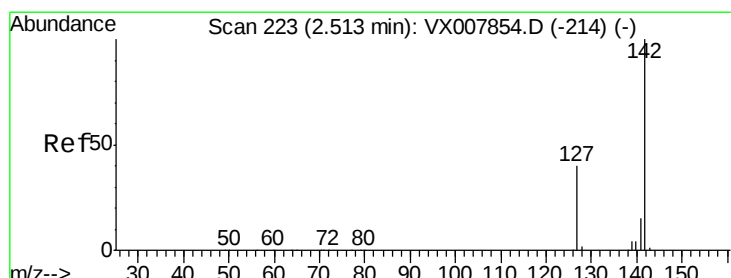
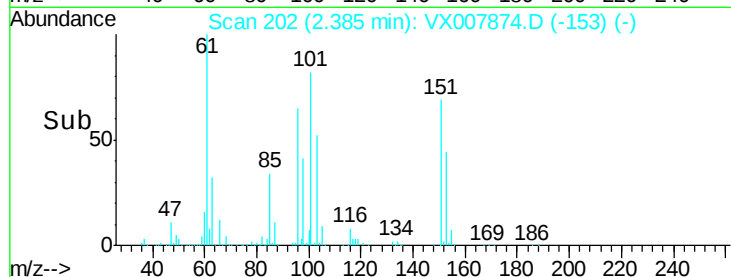
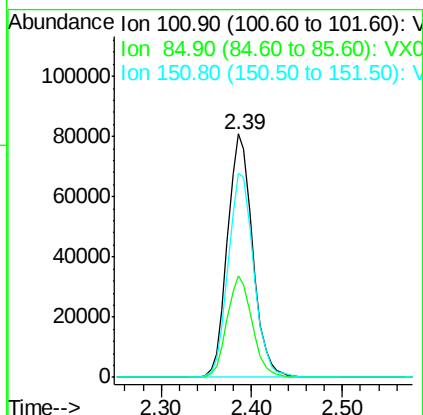
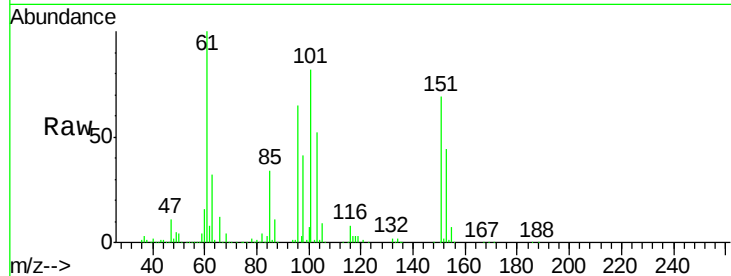
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	155991
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.8	50.6
151	85.2	69.1	103.7

Manual Integrations
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MMDadoda
3/8/2019 9:40:22 AM



#10

Methyl Iodide

Concen: 54.017 ug/l

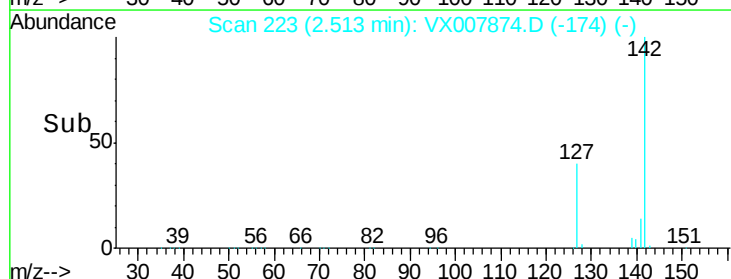
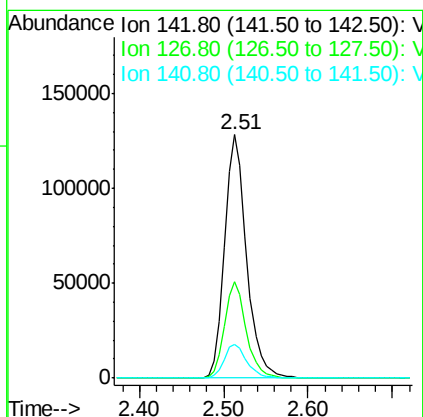
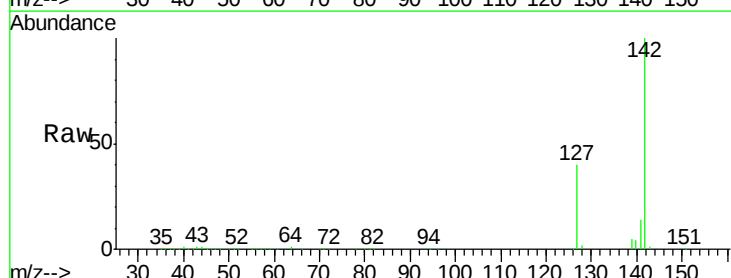
RT: 2.51 min Scan# 223

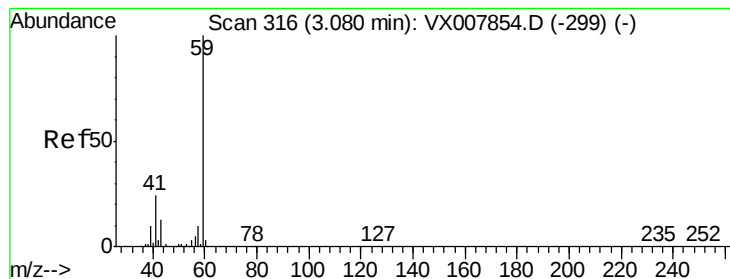
Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Tgt Ion:	142	Resp:	229228
Ion Ratio	Lower	Upper	
142	100		
127	39.3	32.1	48.1
141	14.3	11.4	17.2





#11

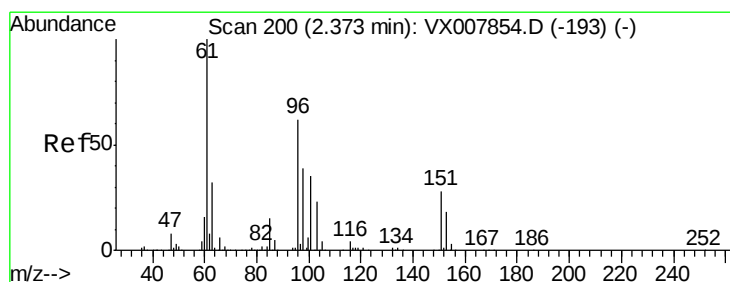
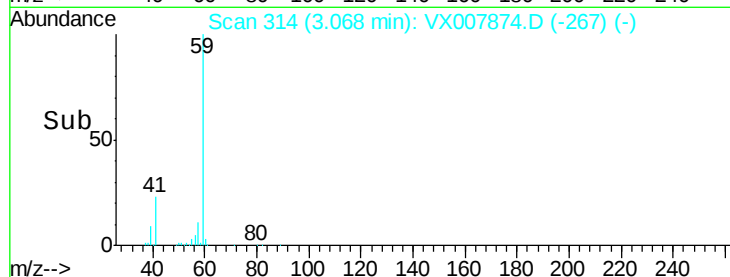
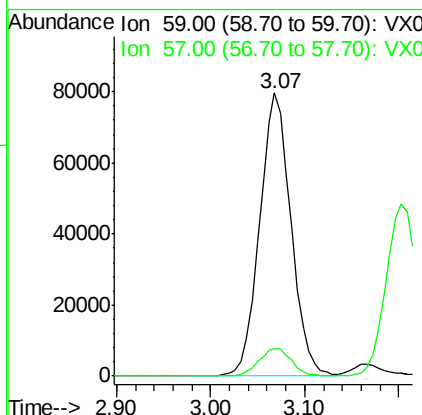
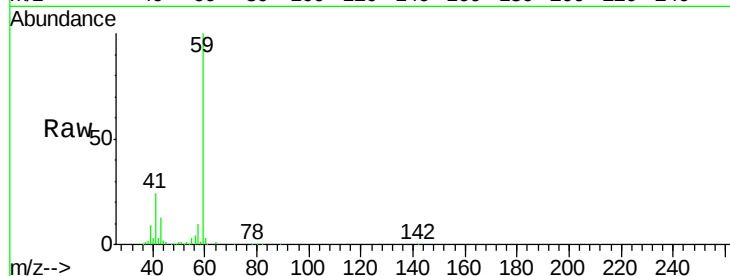
Tert butyl alcohol
Concen: 232.639 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
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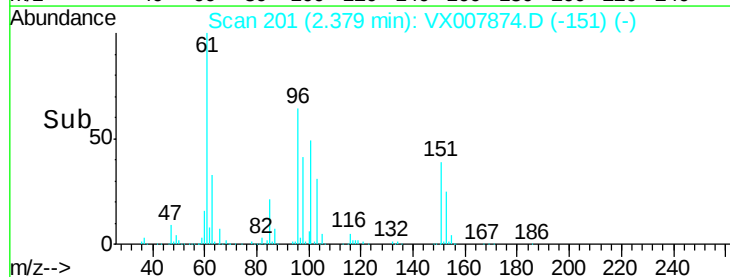
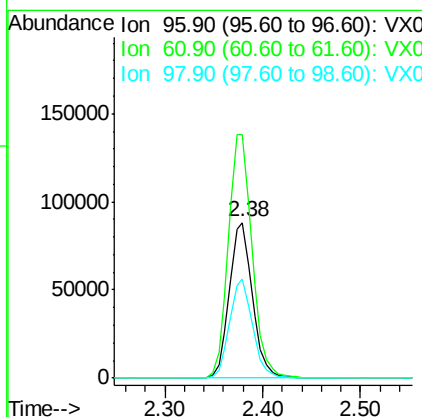
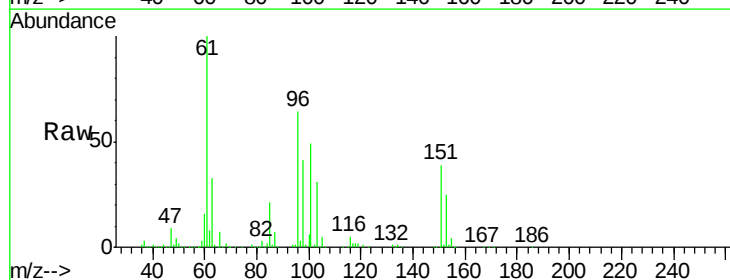
MMDadoda
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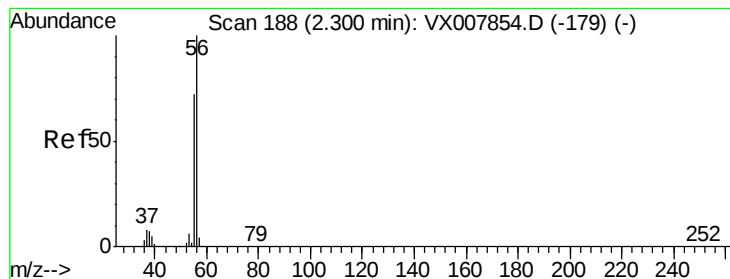


#12

1,1-Dichloroethene
Concen: 50.232 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.3	129.8	194.6
98	63.5	51.0	76.6





#13

Acrolein

Concen: 237.389 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 107370

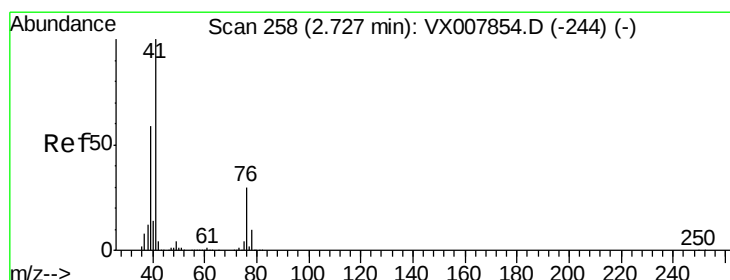
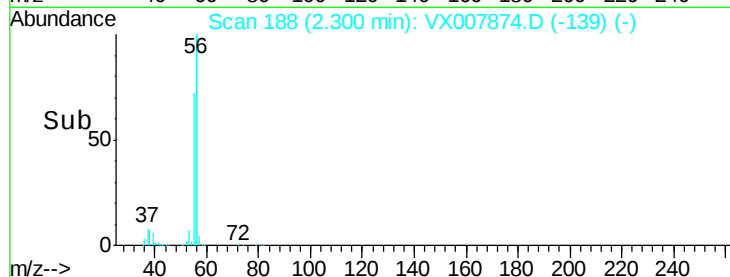
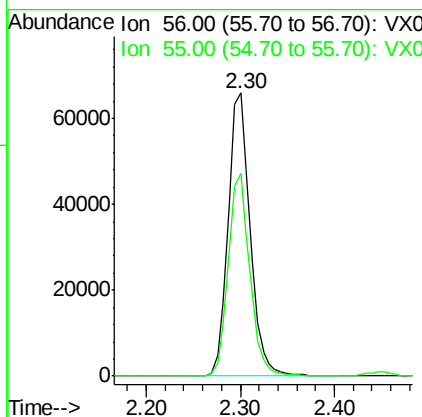
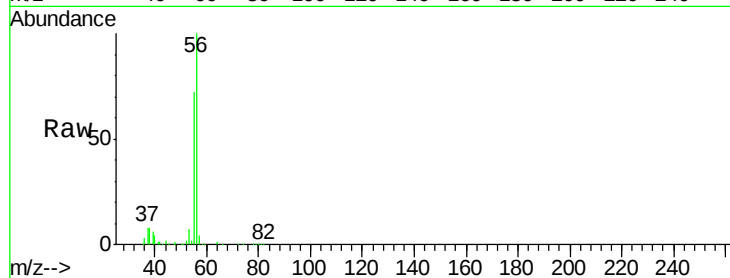
Ion Ratio Lower Upper

56 100

55 70.7 57.8 86.6

Manual Integrations
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#14

Allyl chloride

Concen: 49.983 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

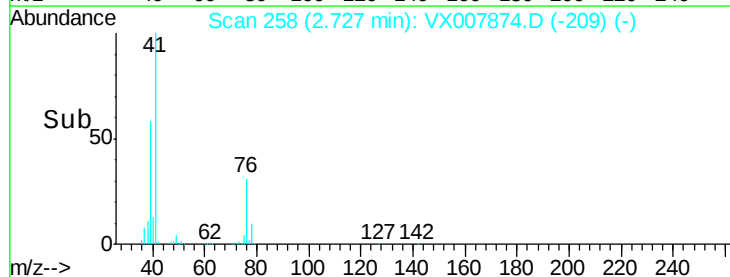
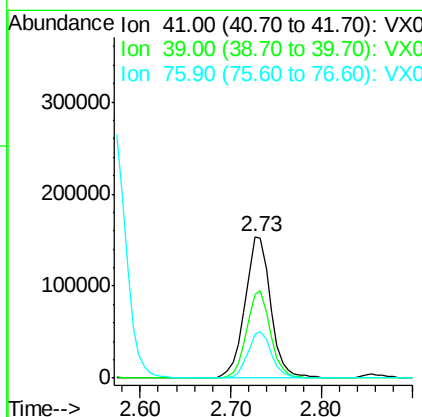
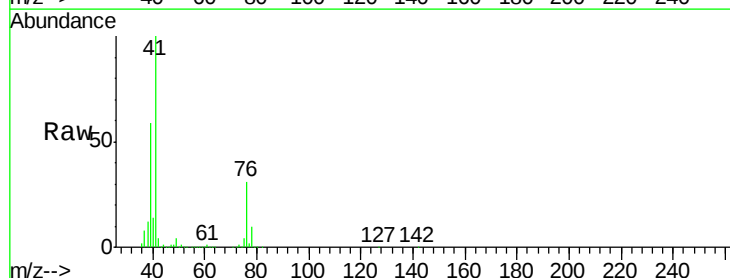
Tgt Ion: 41 Resp: 302839

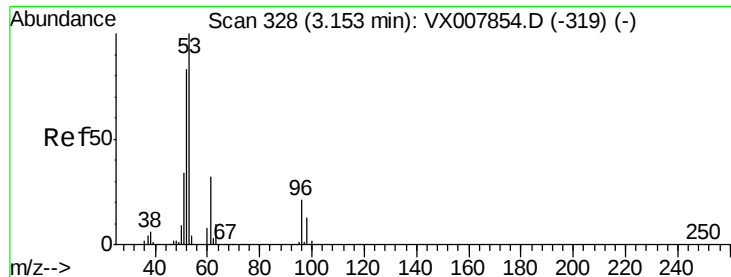
Ion Ratio Lower Upper

41 100

39 57.4 46.1 69.1

76 30.4 24.0 36.0





#15

Acrylonitrile

Concen: 241.347 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

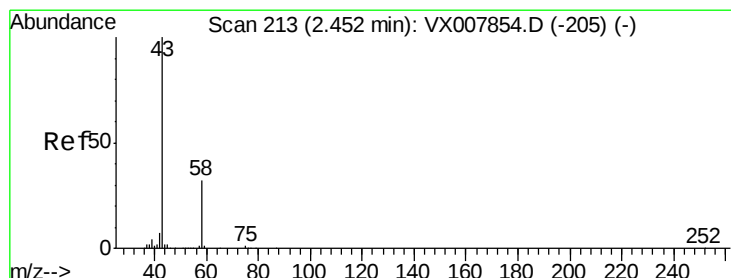
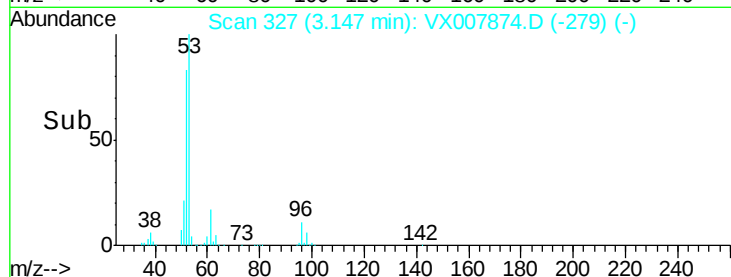
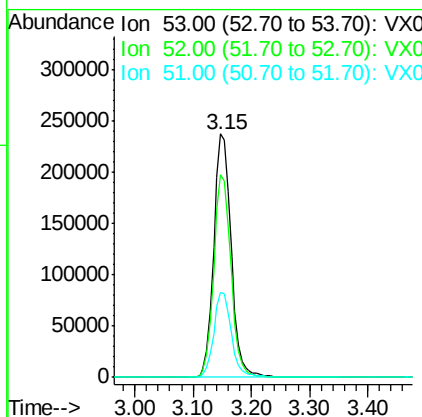
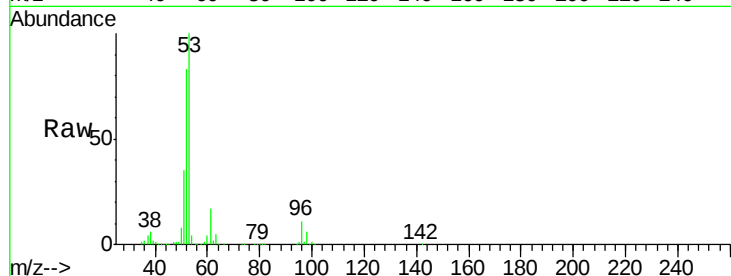
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	487043
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.0	99.0
51	35.0	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 260.435 ug/l

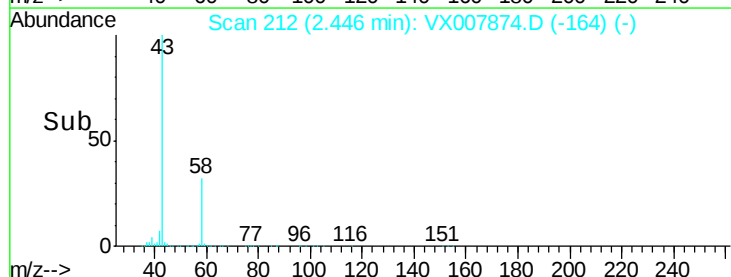
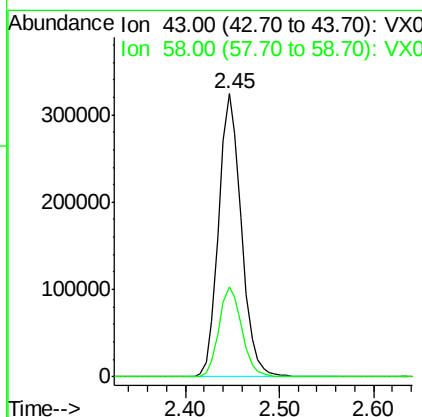
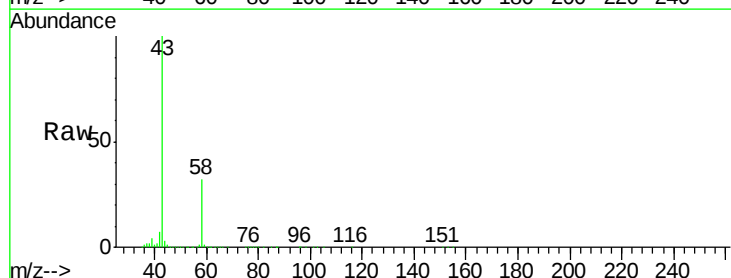
RT: 2.45 min Scan# 212

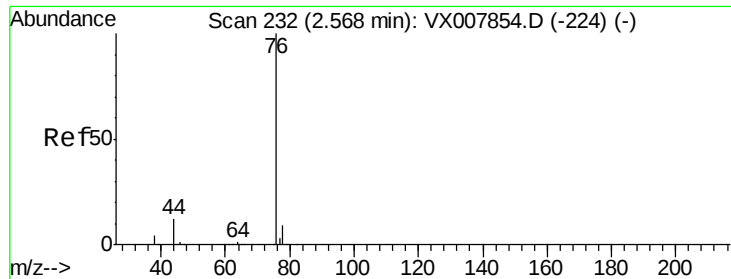
Delta R.T. -0.01 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Tgt Ion:	43	Resp:	538907
Ion Ratio	Lower	Upper	
43	100		
58	31.8	25.5	38.3





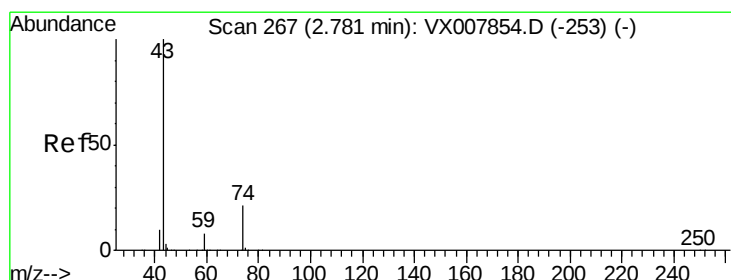
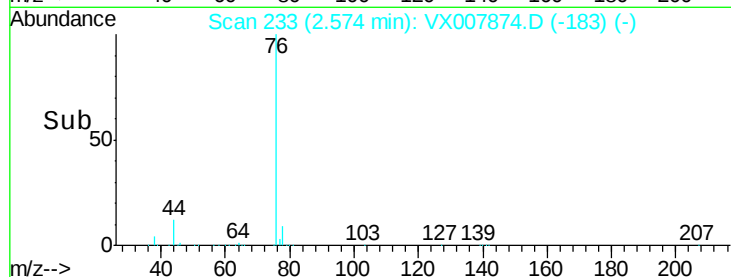
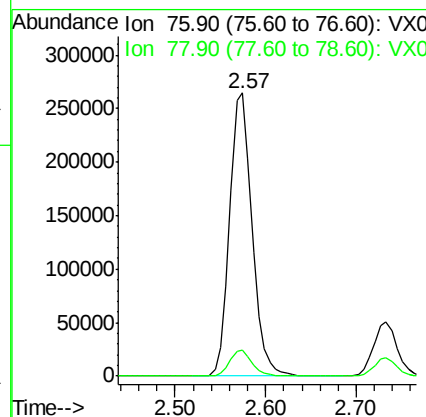
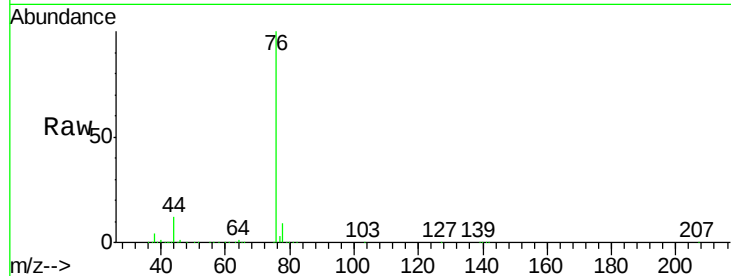
#17
Carbon Disulfide
Concen: 51.942 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8

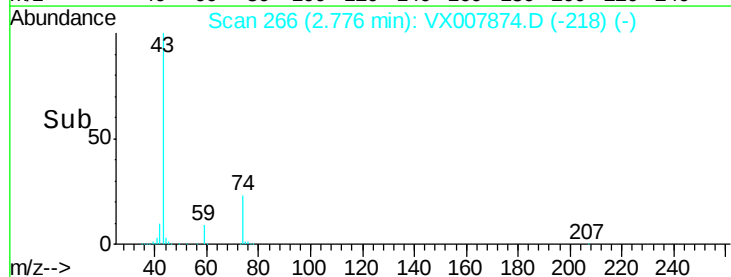
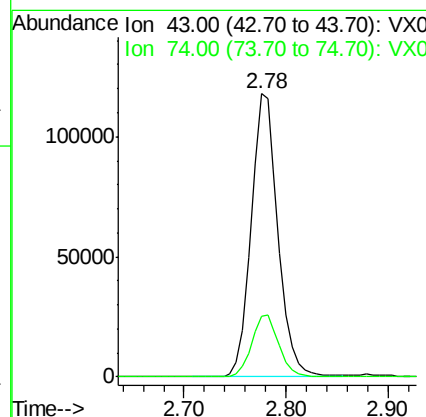
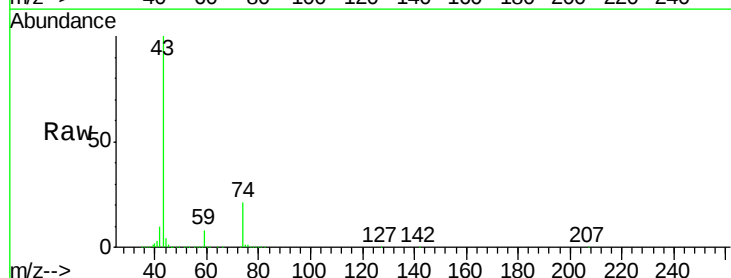
Manual Integrations
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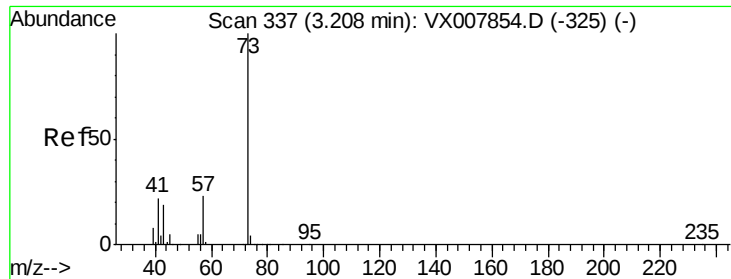
MMDadoda
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#18
Methyl Acetate
Concen: 48.944 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.8	26.6





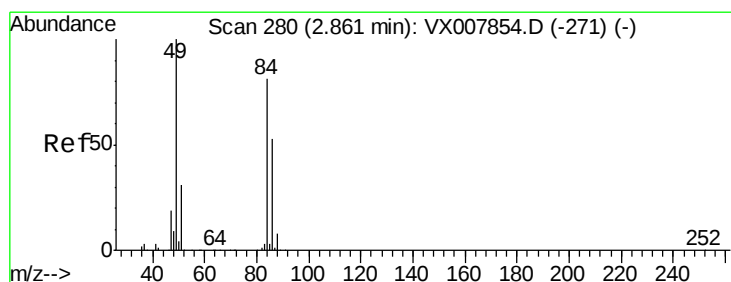
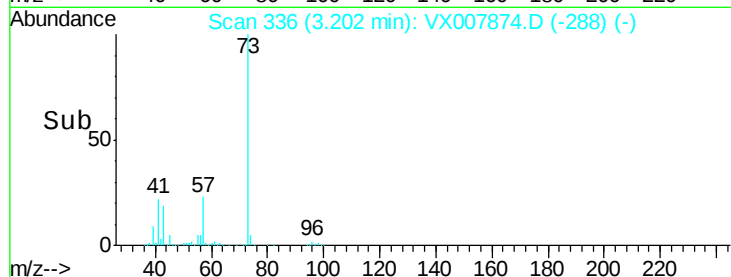
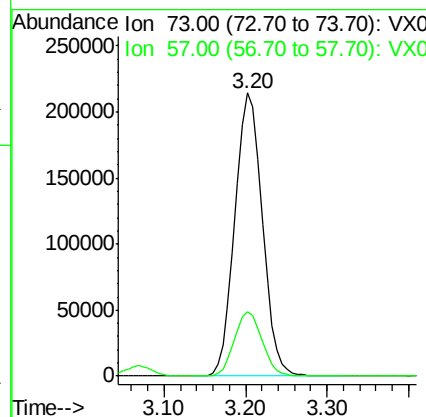
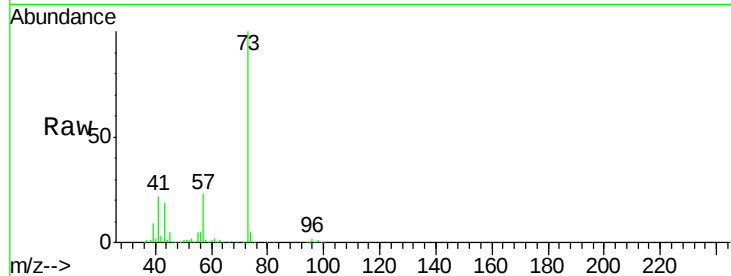
#19
Methvl tert-butvl Ether
Concen: 50.282 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.2	27.4

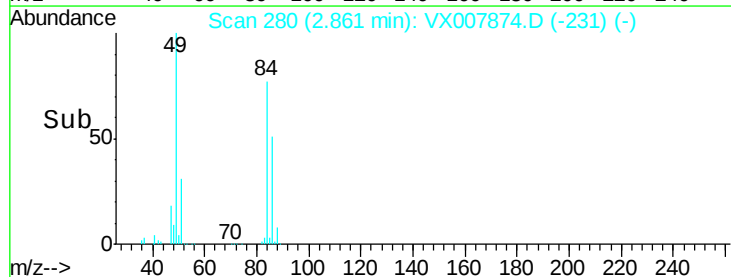
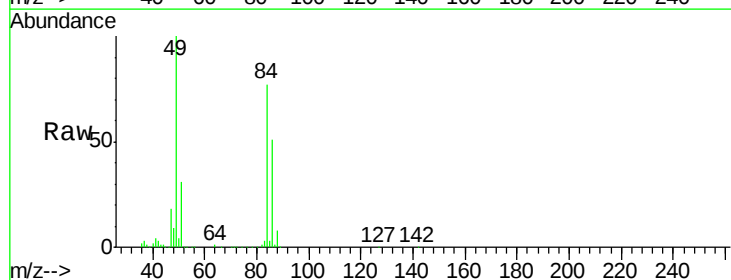
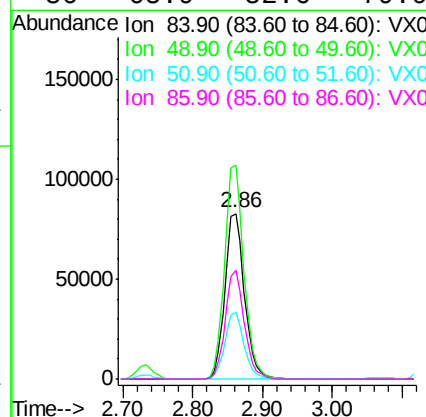
Manual Integrations
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3/8/2019 9:40:22 AM



#20
Methylene Chloride
Concen: 48.987 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.1	99.3	148.9
51	39.9	31.3	46.9
86	65.9	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 48.537 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 153992

Ion Ratio Lower Upper

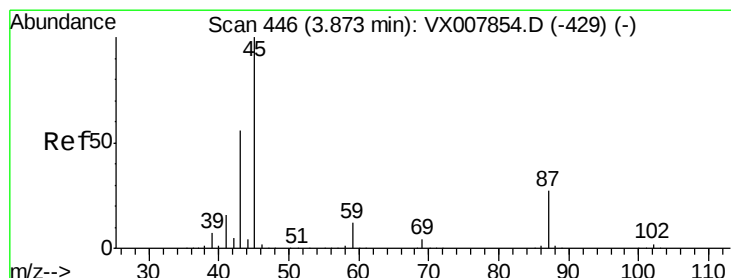
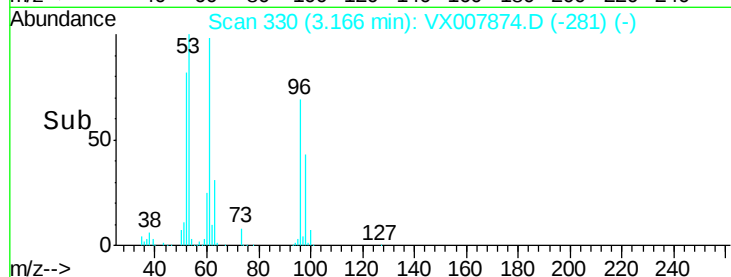
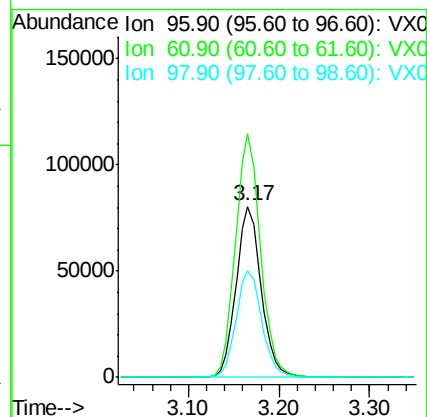
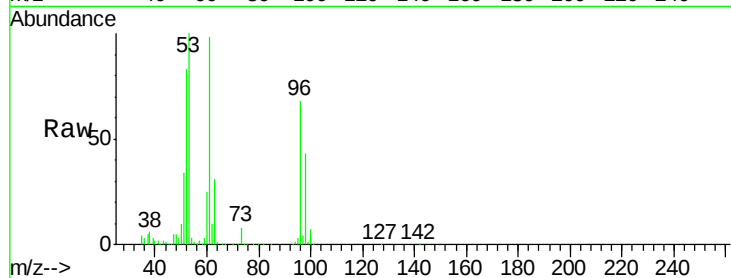
96 100

61 142.6 114.4 171.6

98 62.6 51.1 76.7

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#22

Diisopropyl ether

Concen: 49.661 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Tgt Ion: 45 Resp: 551568

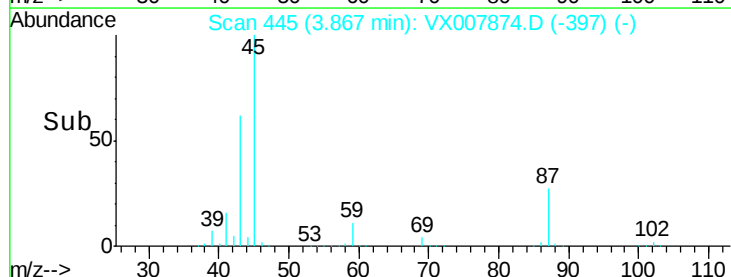
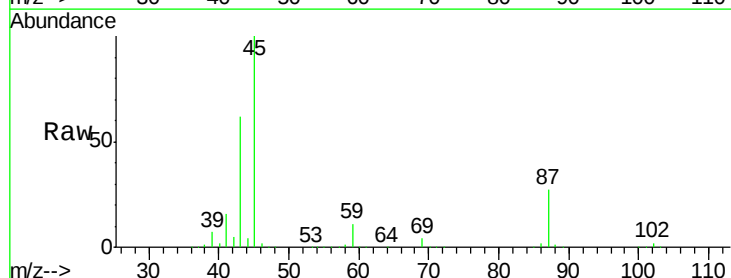
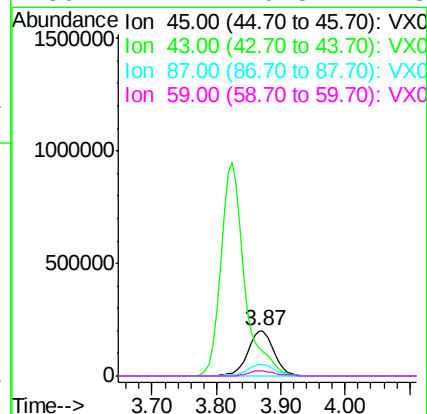
Ion Ratio Lower Upper

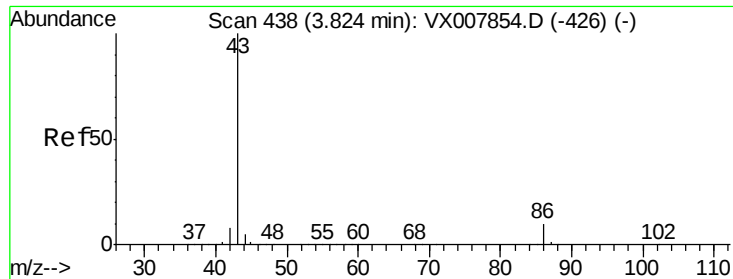
45 100

43 61.4 45.3 67.9

87 26.5 21.4 32.0

59 11.4 9.5 14.3





#23

Vinyl Acetate

Concen: 250.611 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 2440862

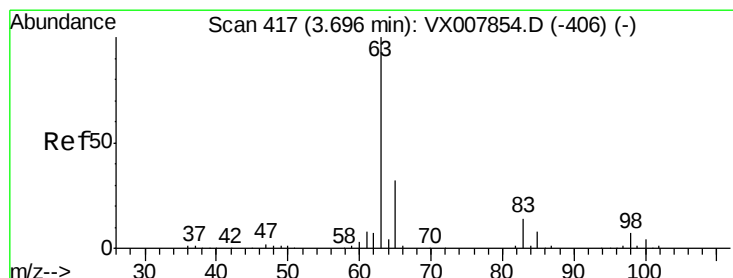
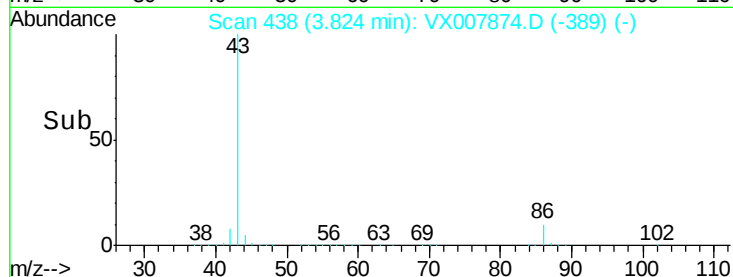
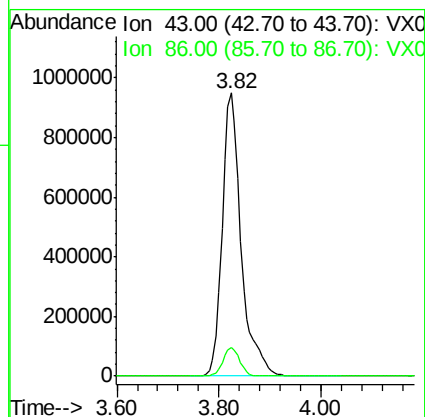
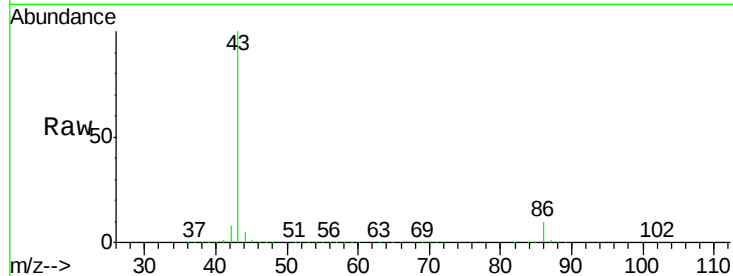
Ion Ratio Lower Upper

43 100

86 10.0 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 49.584 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

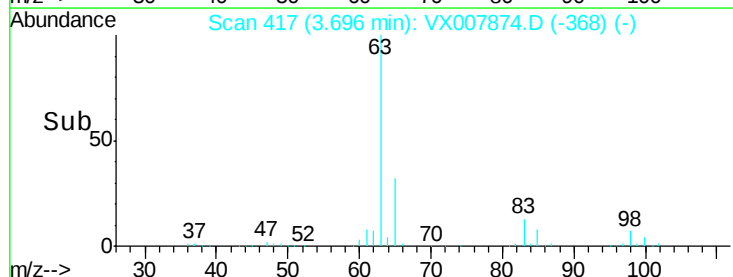
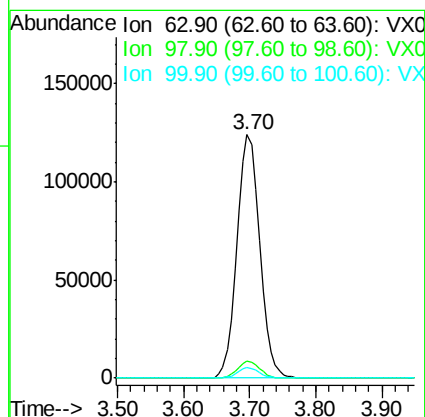
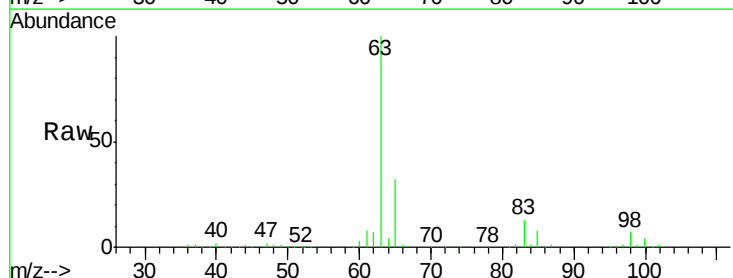
Tgt Ion: 63 Resp: 296362

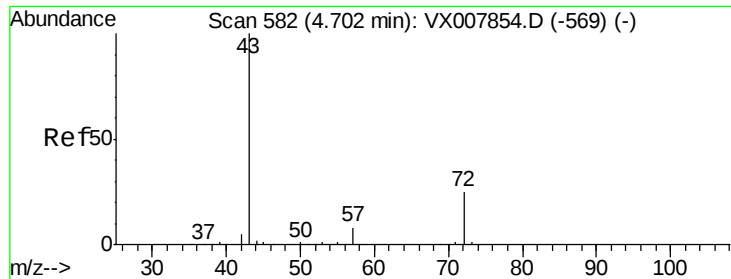
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.1 2.3 6.8





#25

2-Butanone

Concen: 245.427 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 718989

Ion Ratio Lower Upper

43 100

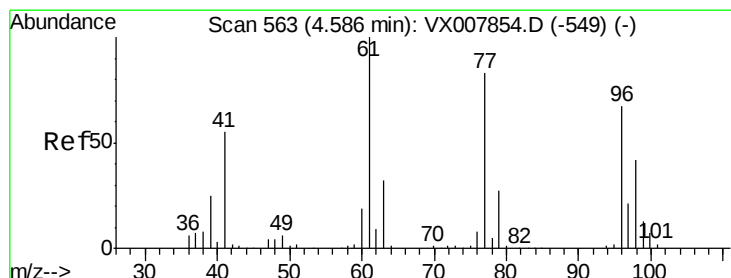
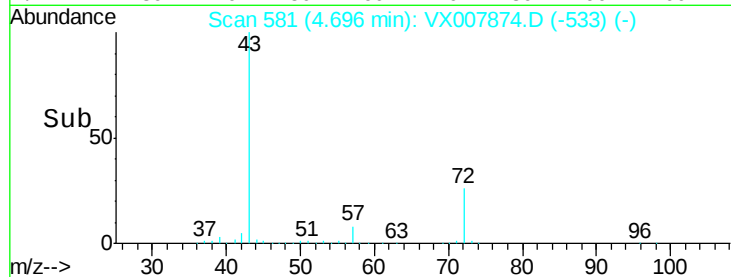
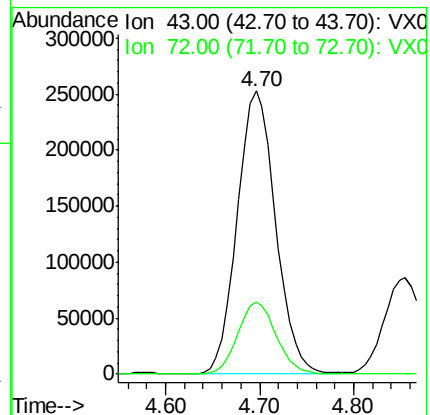
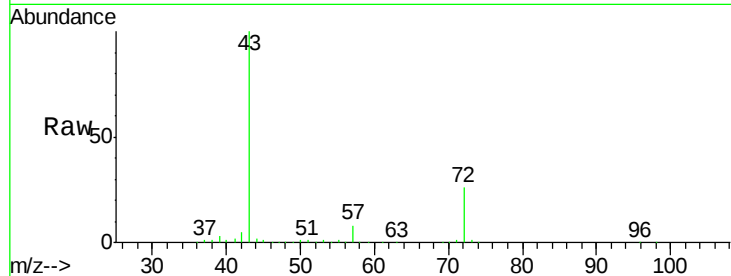
72 25.7 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 52.925 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007874.D

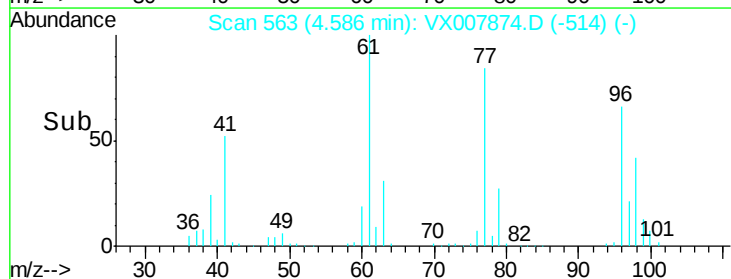
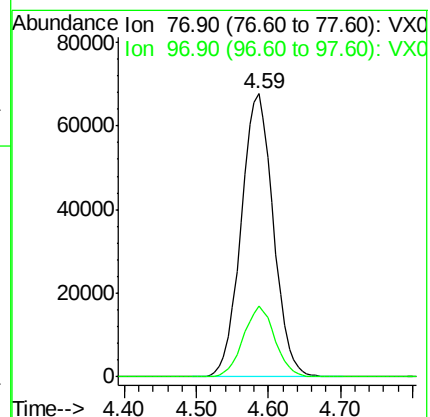
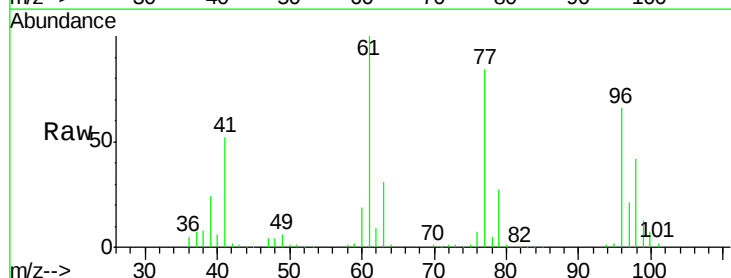
Acq: 07 Mar 2019 10:11

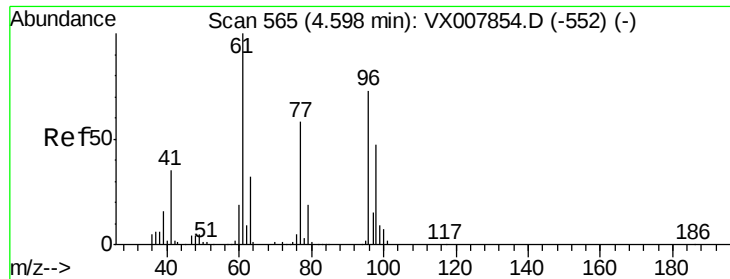
Tgt Ion: 77 Resp: 209571

Ion Ratio Lower Upper

77 100

97 24.5 12.2 36.6





#27

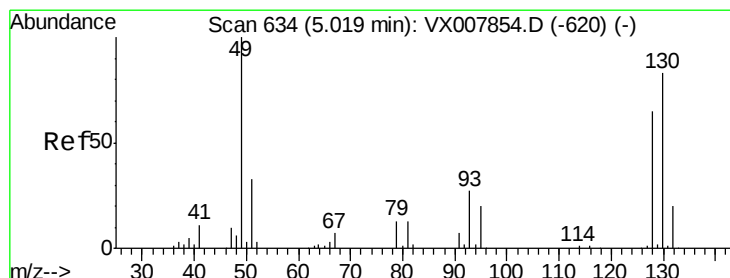
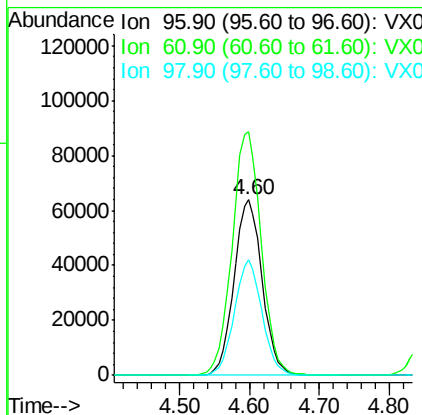
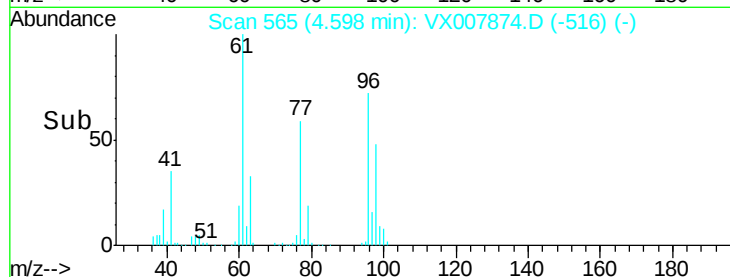
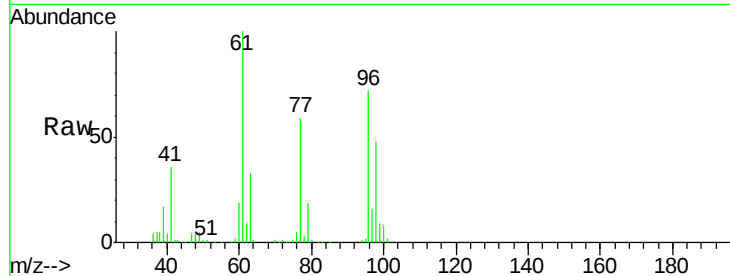
cis-1,2-Dichloroethene
Concen: 49.014 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	177942		
61	144.2	0.0	288.0	
98	64.8	0.0	129.0	

Manual Integrations
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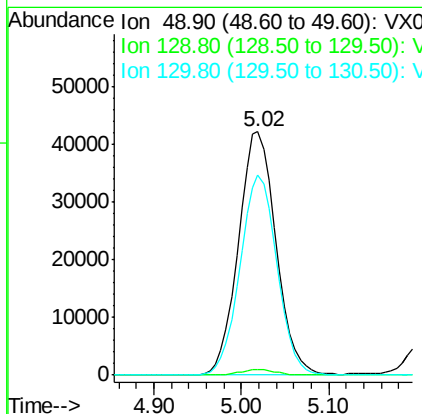
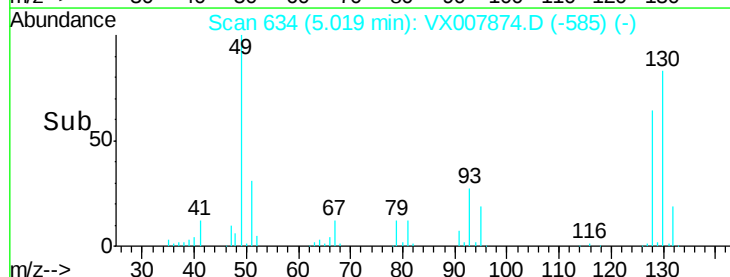
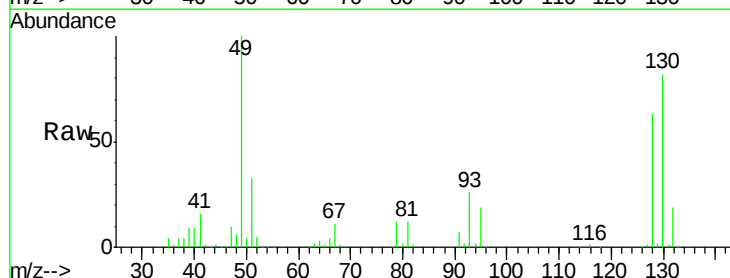
MMDadoda
3/8/2019 9:40:22 AM

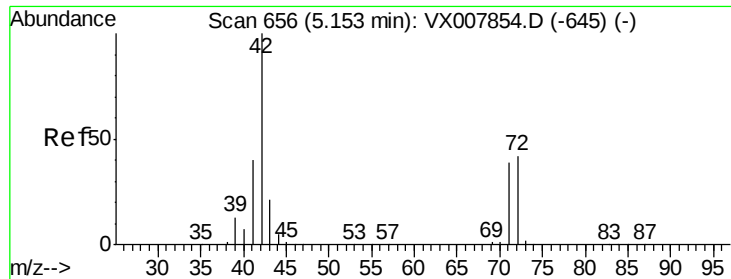


#28

Bromochloromethane
Concen: 45.443 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	126627		
129	2.1	0.0	4.0	
130	80.8	65.0	97.4	





#29

Tetrahydrofuran

Concen: 239.192 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

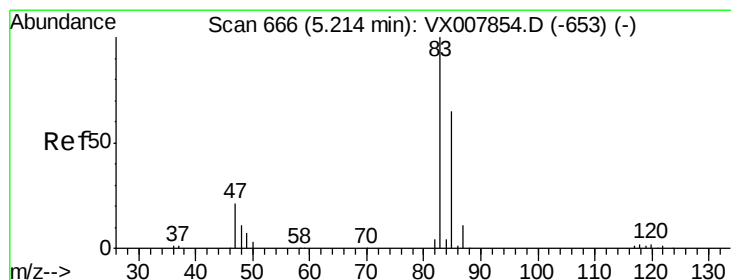
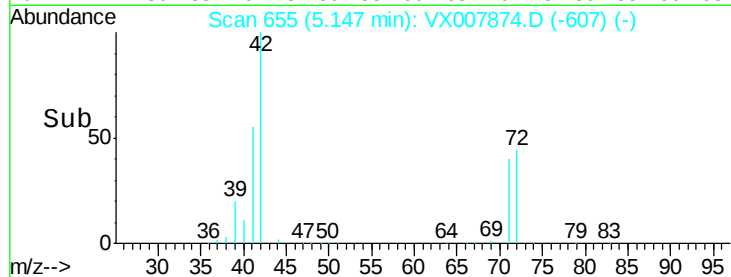
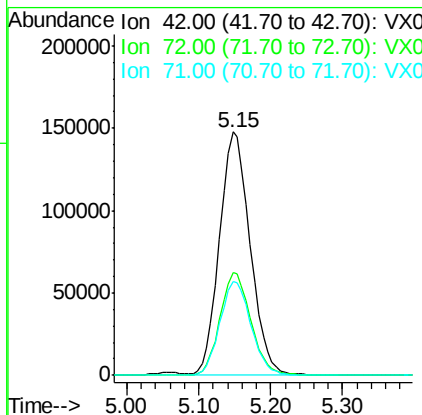
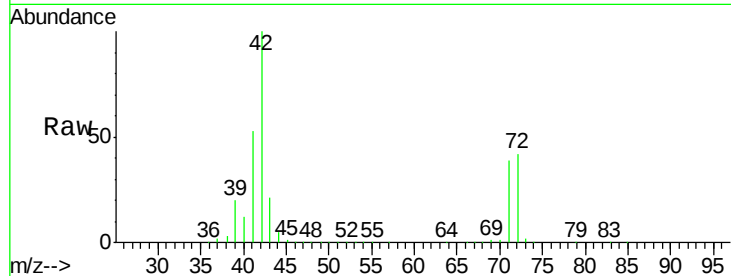
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	437086
Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.8	50.6
71	39.2	31.5	47.3

Manual Integrations
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#30

Chloroform

Concen: 49.610 ug/l

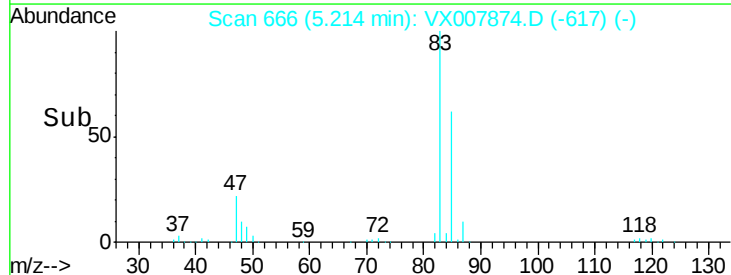
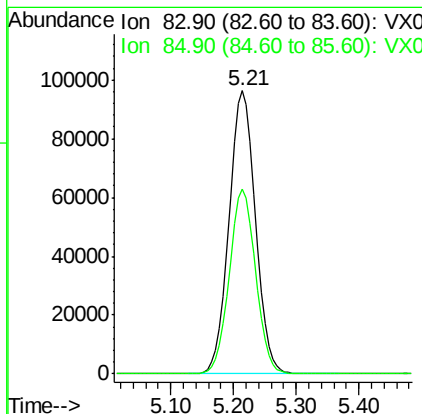
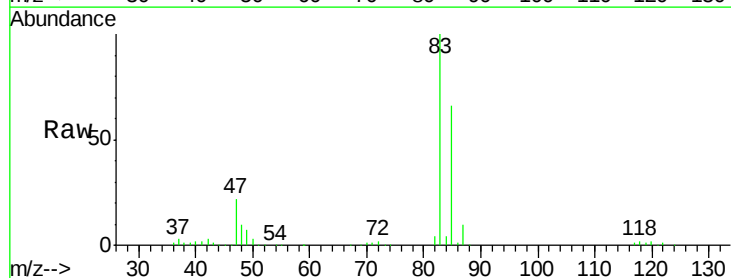
RT: 5.21 min Scan# 666

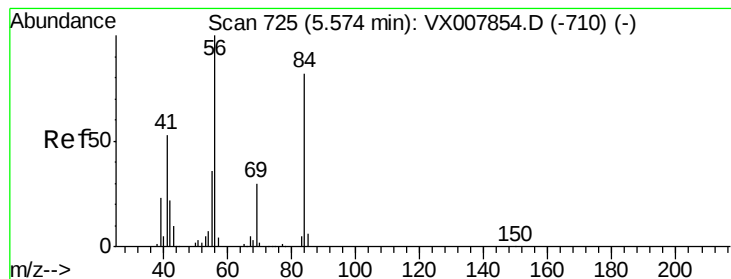
Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Tgt Ion:	83	Resp:	280487
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6





#31

Cyclohexane

Concen: 51.684 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

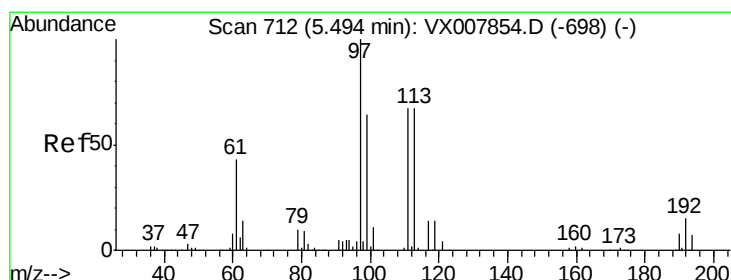
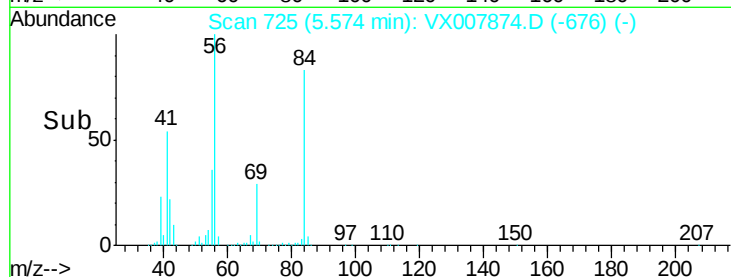
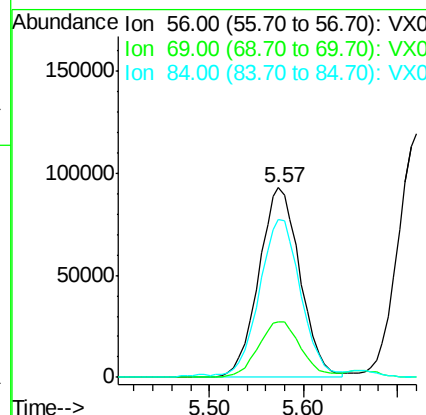
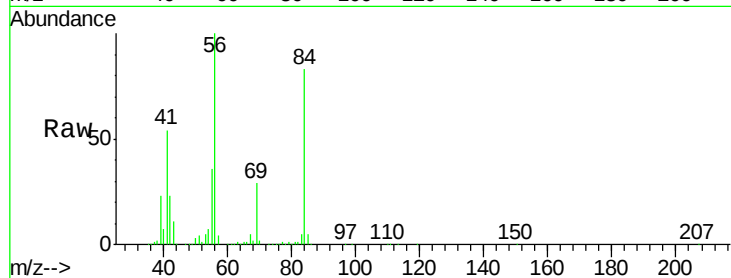
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	283916
Ion	Ratio	Lower	Upper
56	100		
69	29.3	24.0	36.0
84	82.3	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.016 ug/l

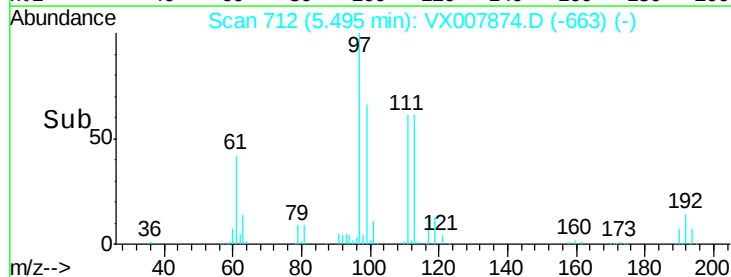
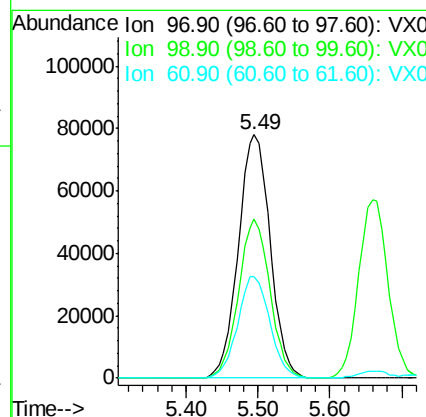
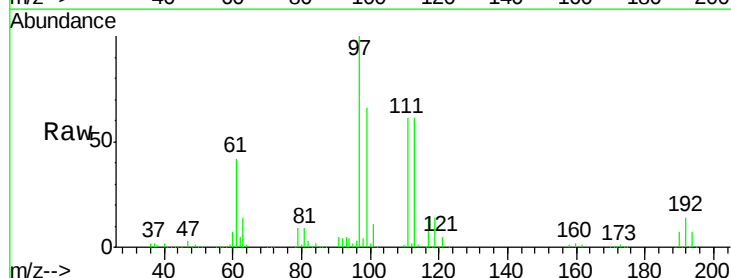
RT: 5.49 min Scan# 712

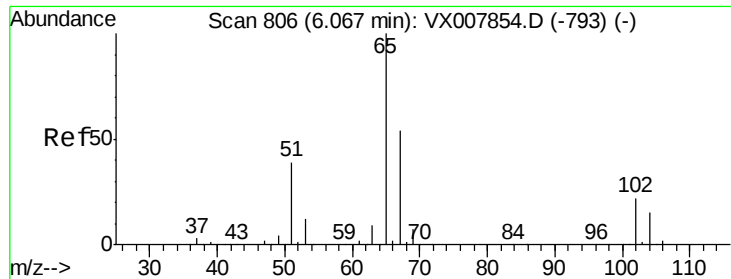
Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Tgt Ion:	97	Resp:	239317
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.2	78.2
61	42.2	34.9	52.3





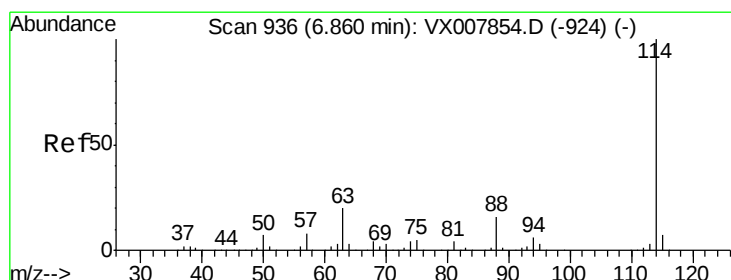
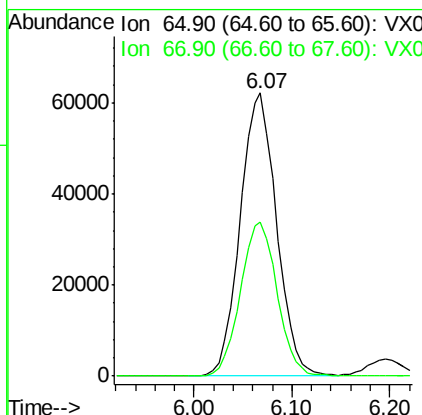
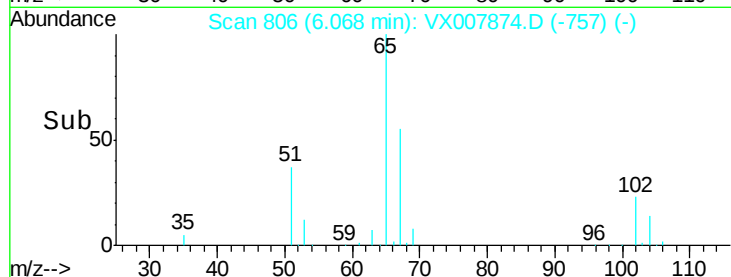
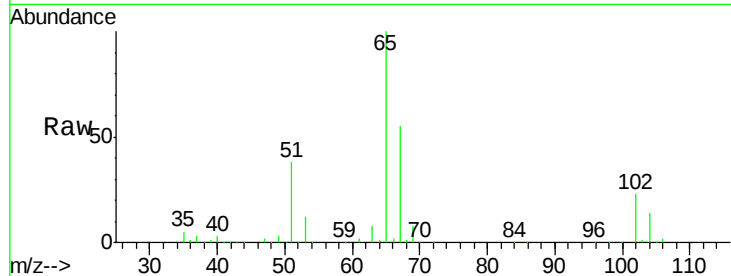
#33
 1,2-Dichloroethane-d4
 Concen: 44.761 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007874.D
 Acq: 07 Mar 2019 10:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 160023
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.0

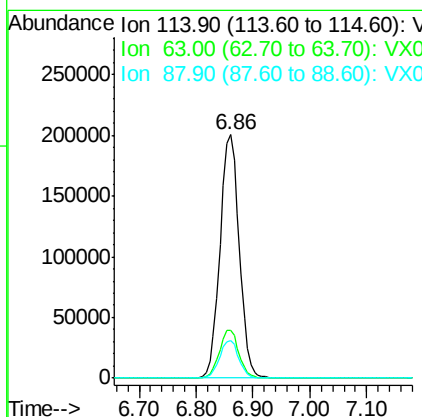
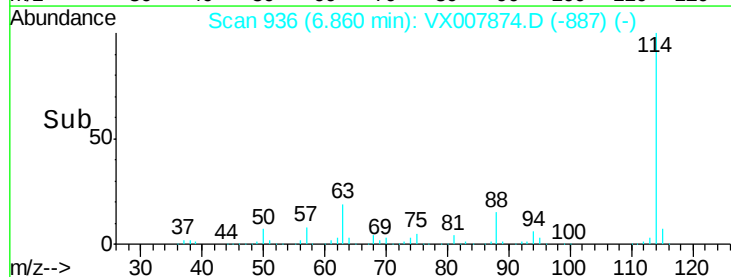
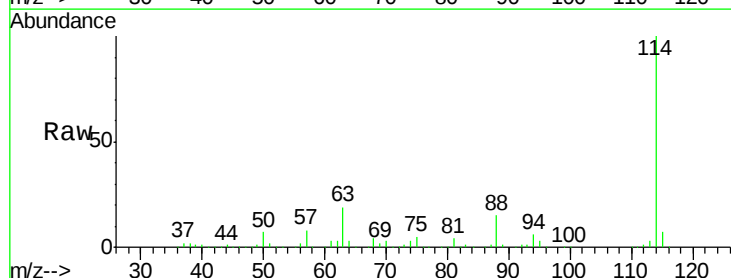
Manual Integrations
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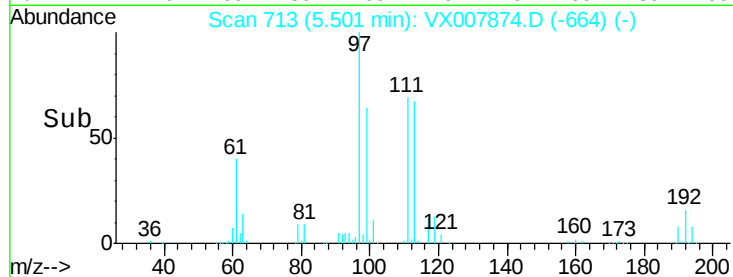
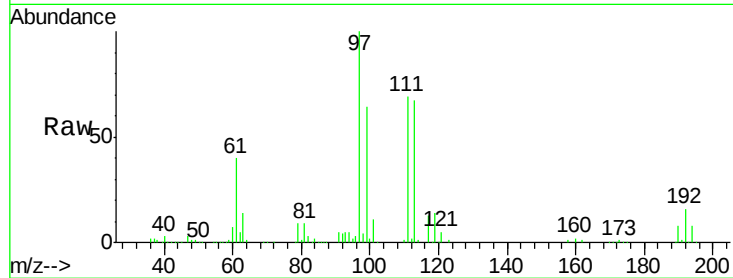
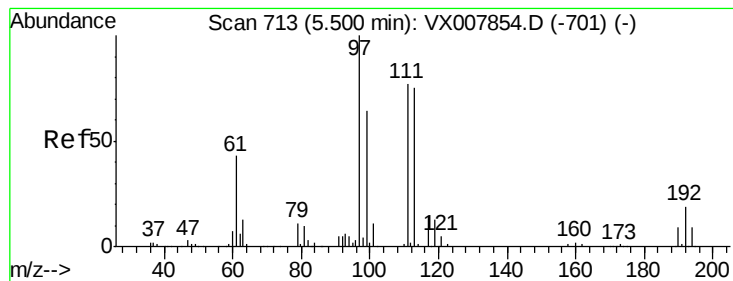
MMDadoda
 3/8/2019 9:40:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007874.D
 Acq: 07 Mar 2019 10:11

Tgt Ion: 114 Resp: 471279
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.431 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007874.D

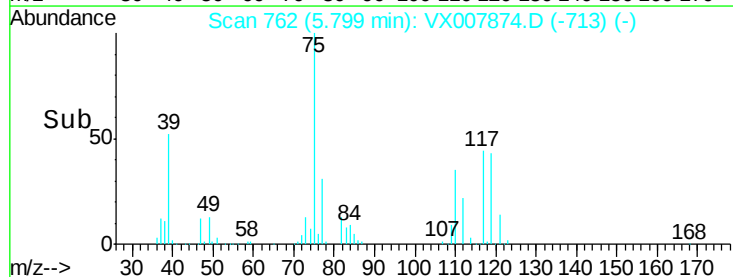
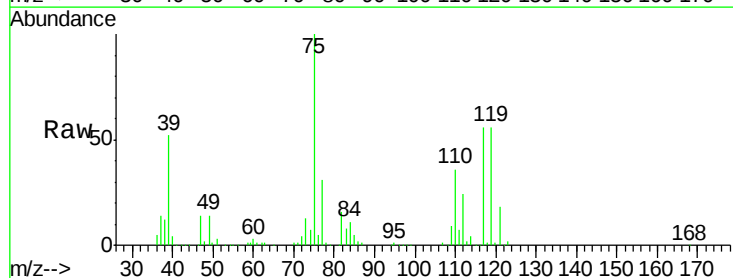
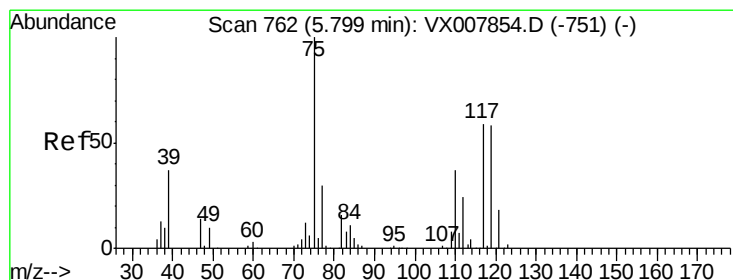
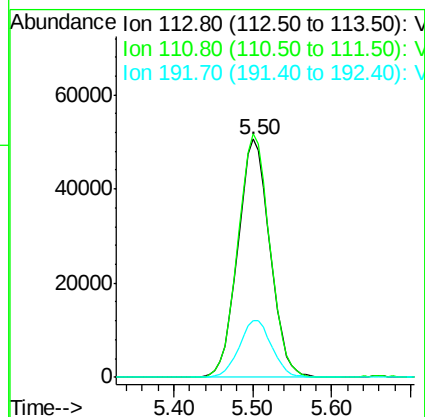
Acq: 07 Mar 2019 10:11

Tot Ion:	113	Resp:	142985
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.0
192	24.1	19.4	29.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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3/8/2019 9:40:22 AM



#36

1,1-Dichloropropene

Concen: 51.860 ug/l

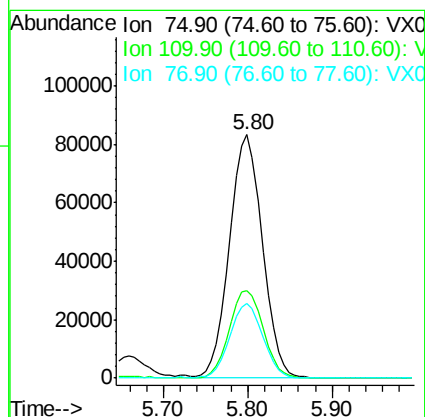
RT: 5.80 min Scan# 762

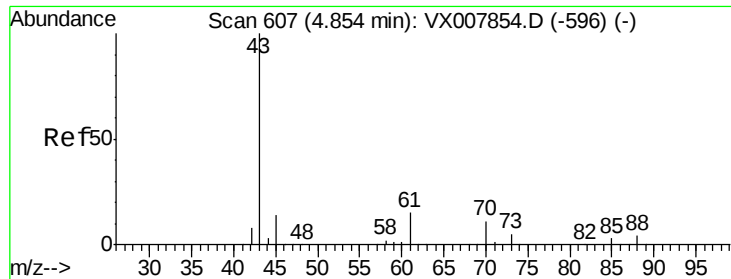
Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Tgt Ion:	75	Resp:	221303
Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.4	55.0
77	30.9	25.0	37.4





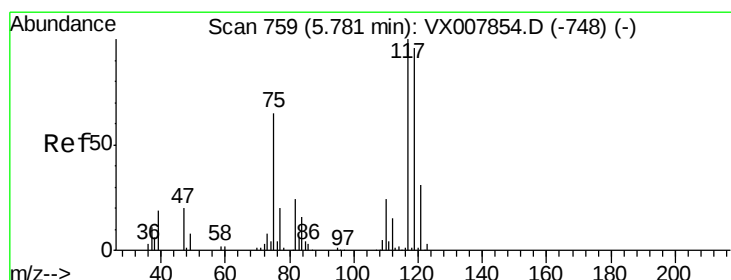
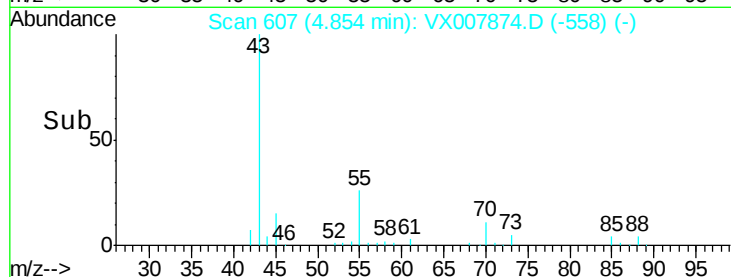
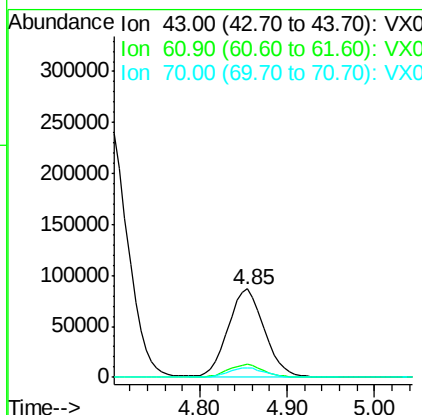
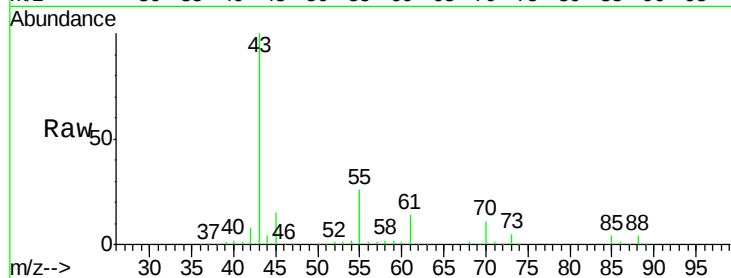
#37
Ethyl Acetate
Concen: 49.472 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	250528
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.3	16.9
70	10.9	8.5	12.7

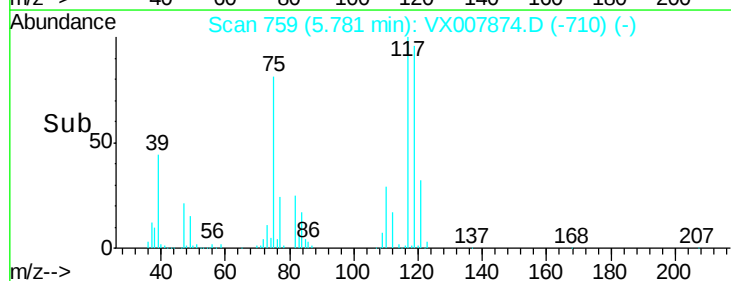
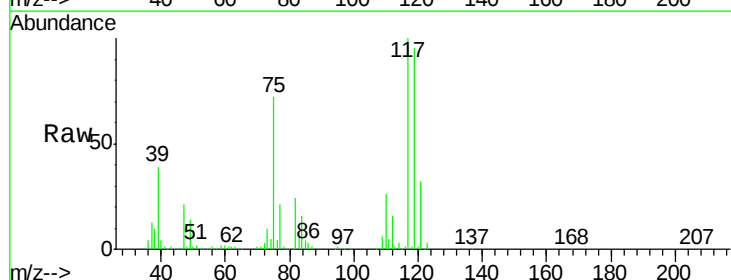
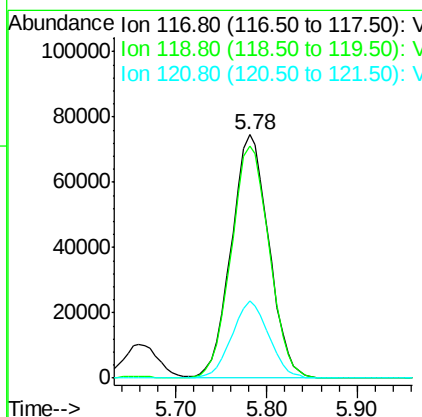
Manual Integrations
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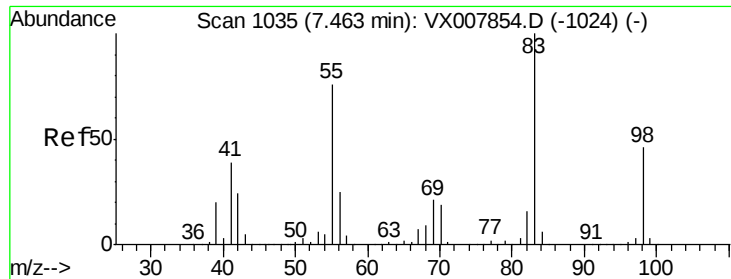
MMDadoda
3/8/2019 9:40:22 AM



#38
Carbon Tetrachloride
Concen: 52.933 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion:	117	Resp:	214445
Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.2
121	31.6	24.6	36.8





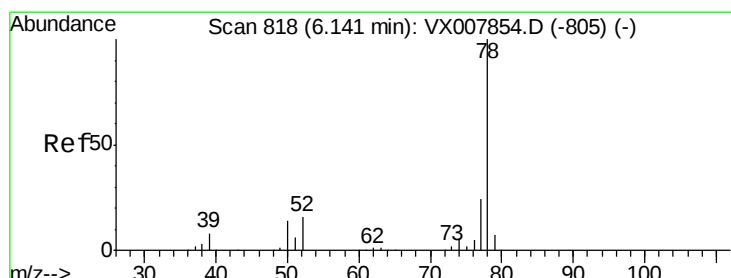
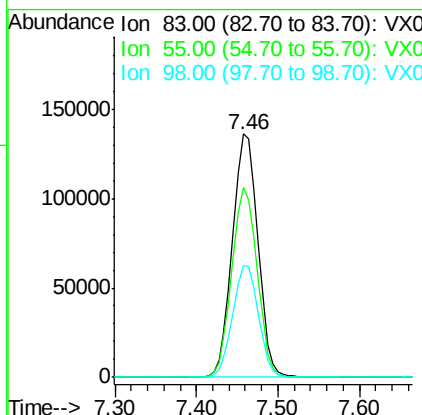
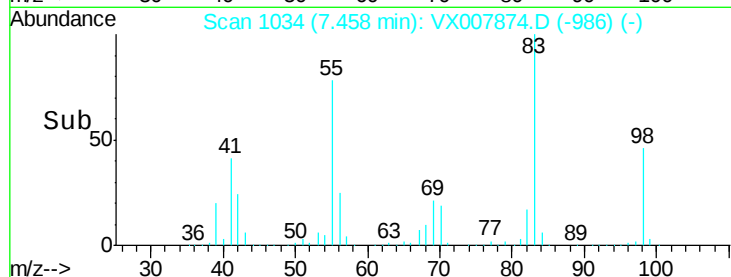
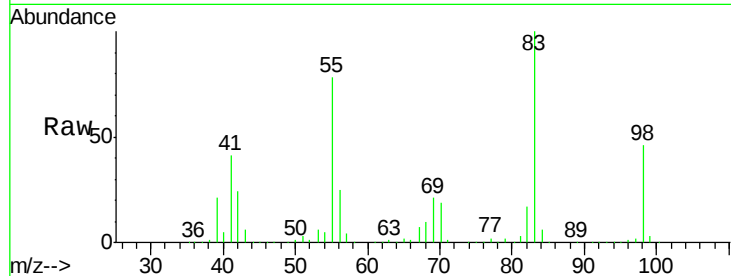
#39
Methvlcvclohexane
Concen: 56.718 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	293277		
55	78.0		60.4	90.6
98	46.1		36.5	54.7

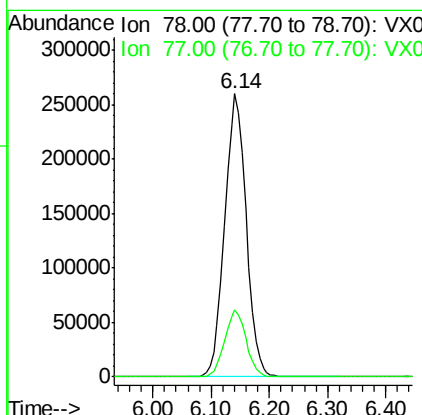
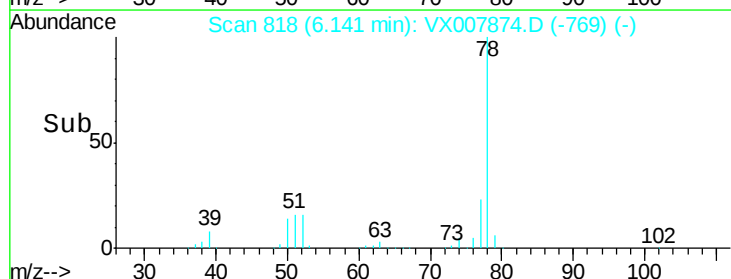
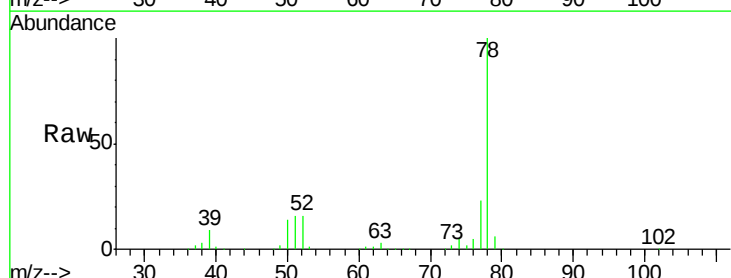
Manual Integrations
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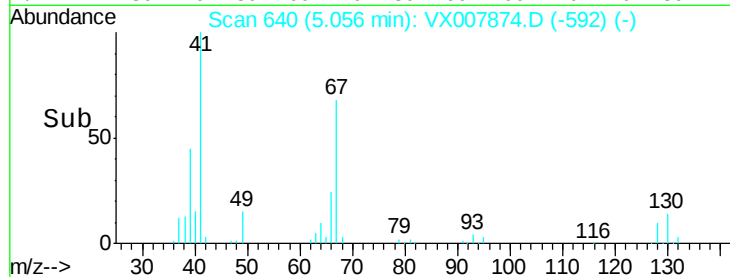
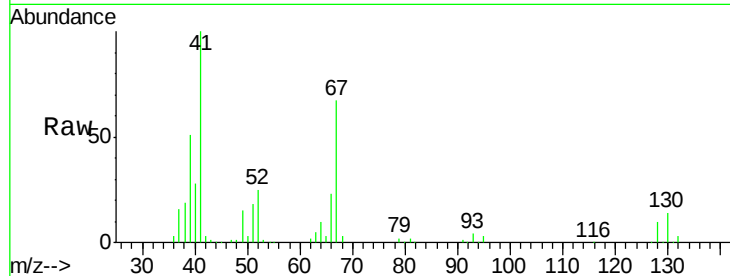
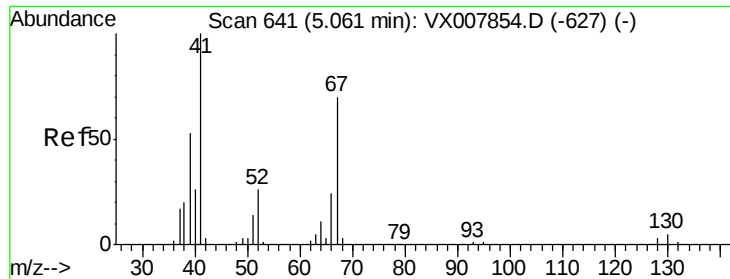
MMDadoda
3/8/2019 9:40:22 AM



#40
Benzene
Concen: 52.530 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	667352		
77	23.5		19.0	28.4





#41

Methacrylonitrile

Concen: 51.940 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.9	41.6	62.4	
67	68.8	55.8	83.6	
52	27.3	21.7	32.5	

Instrument :

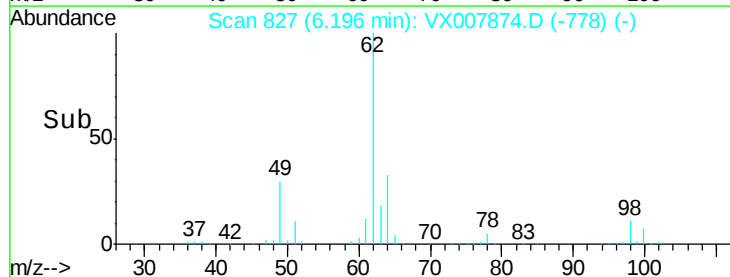
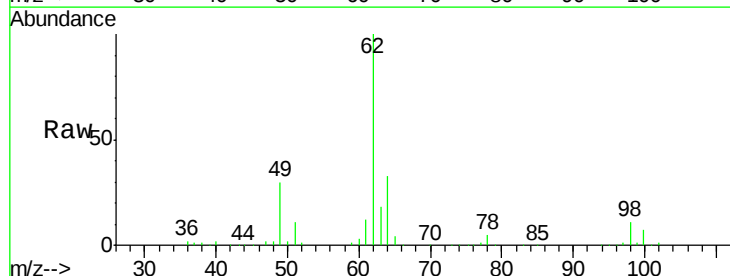
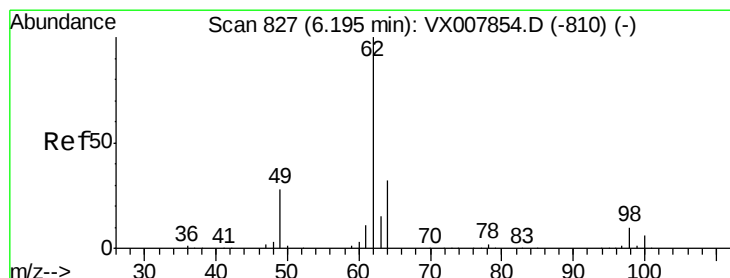
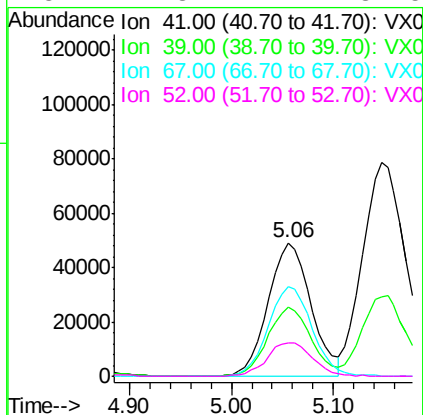
MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
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3/8/2019 9:40:22 AM



#42

1,2-Dichloroethane

Concen: 51.560 ug/l

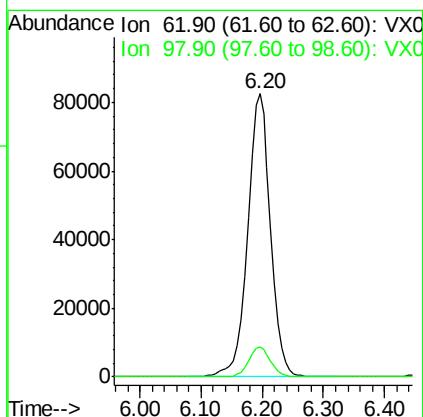
RT: 6.20 min Scan# 827

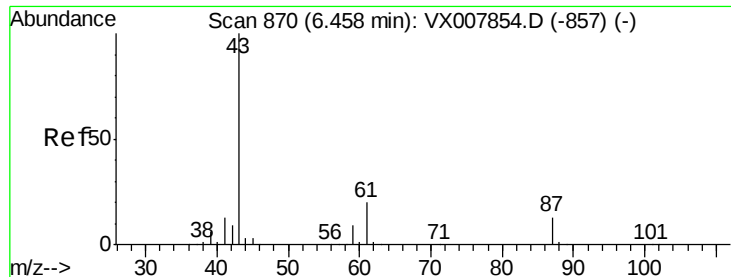
Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

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





#43

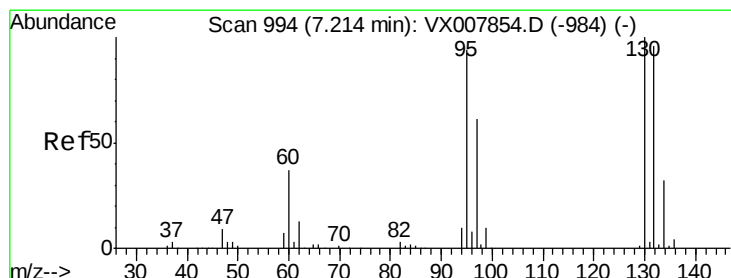
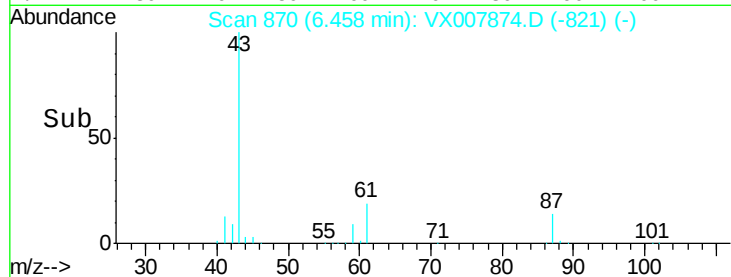
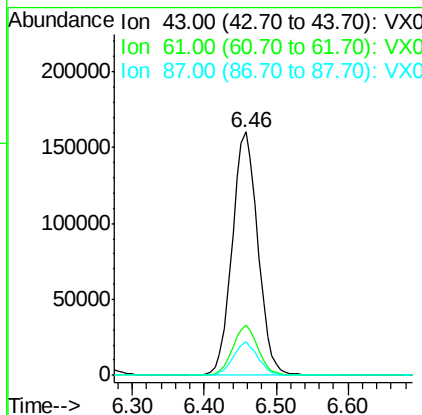
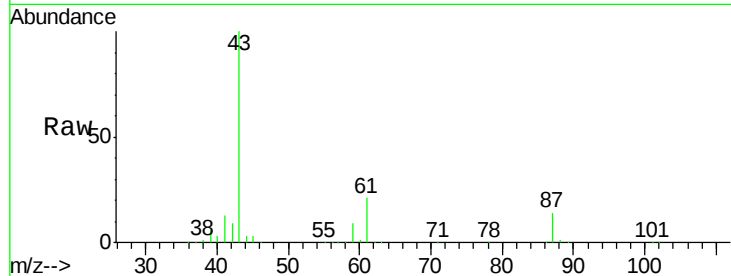
Isopropyl Acetate
 Concen: 52.698 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007874.D
 Acq: 07 Mar 2019 10:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.3	24.5
87	13.2	10.5	15.7

Manual Integrations
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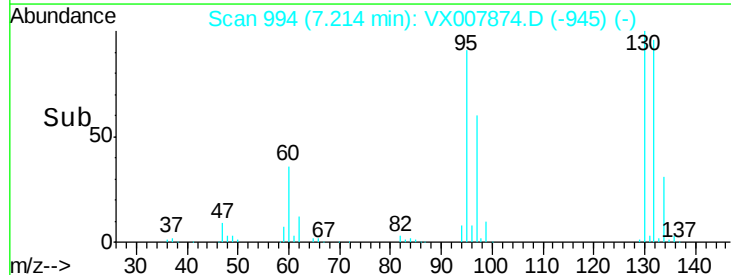
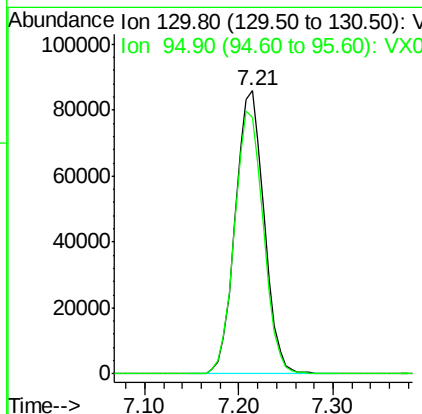
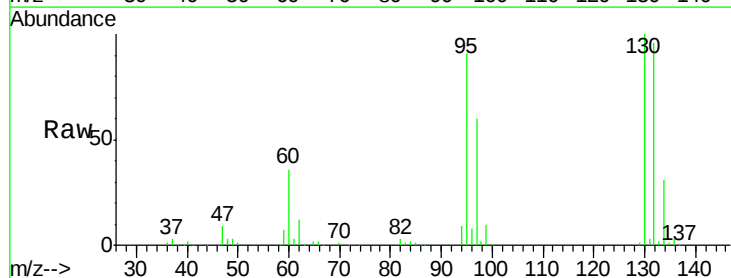
MMDadoda
 3/8/2019 9:40:22 AM

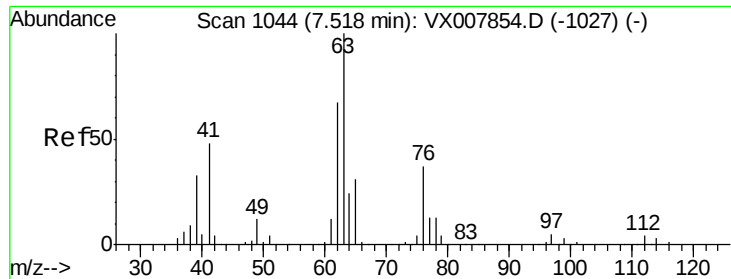


#44

Trichloroethene
 Concen: 52.321 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007874.D
 Acq: 07 Mar 2019 10:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	188.0





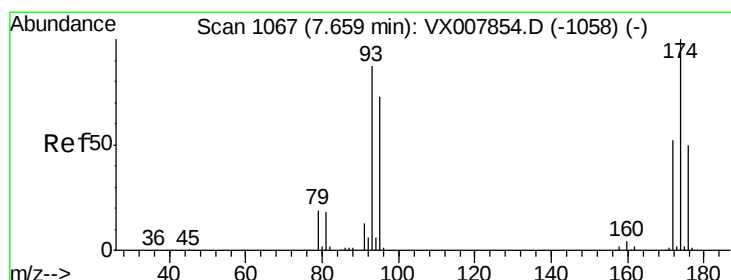
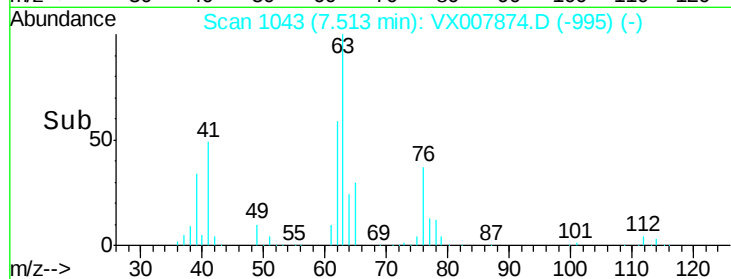
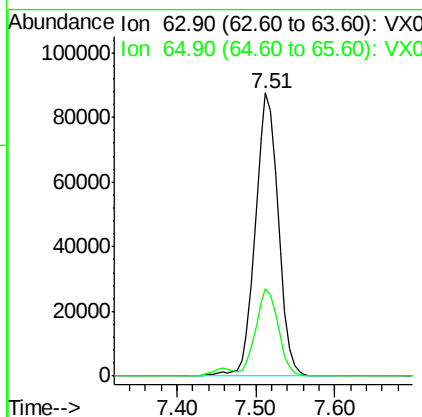
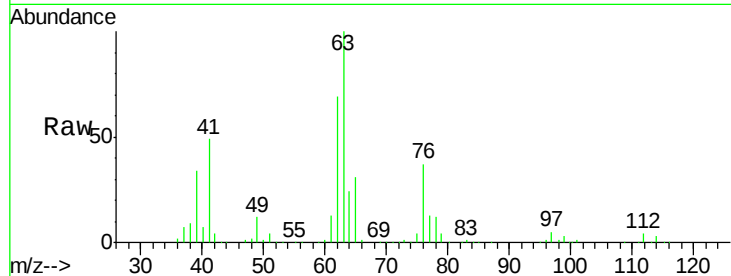
#45
 1,2-Dichloropropane
 Concen: 52.801 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX007874.D
 Acq: 07 Mar 2019 10:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 177168
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.7 37.1

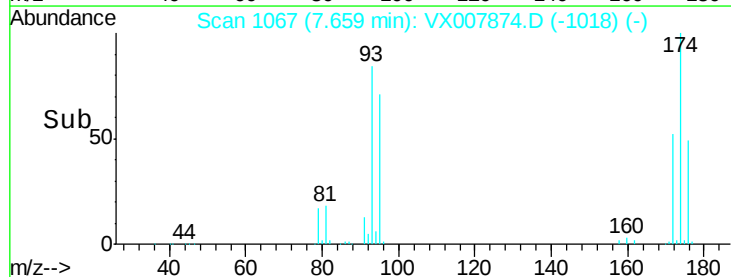
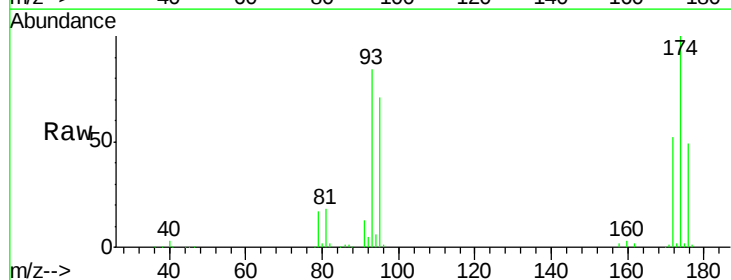
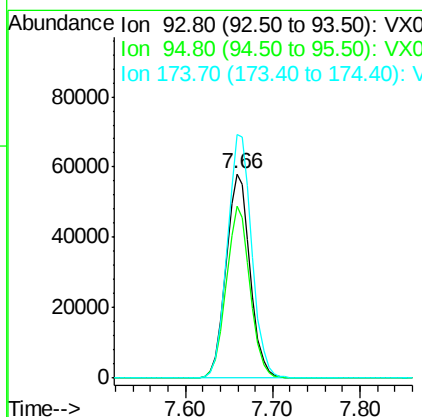
Manual Integrations
 APPROVED

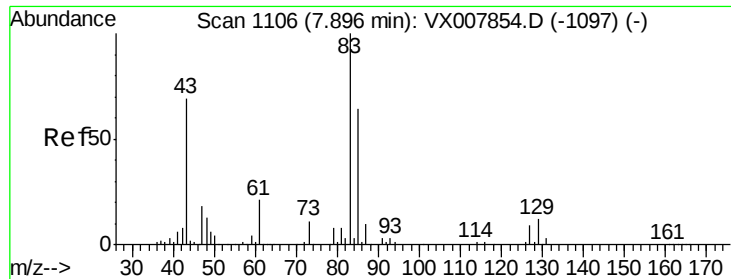
MMDadoda
 3/8/2019 9:40:22 AM



#46
 Dibromomethane
 Concen: 51.828 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX007874.D
 Acq: 07 Mar 2019 10:11

Tgt Ion: 93 Resp: 110055
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.8 100.2
 174 122.2 97.3 145.9





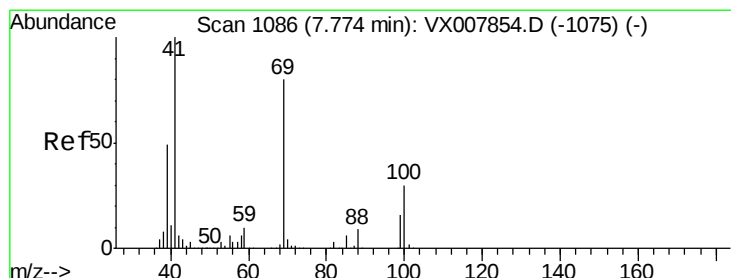
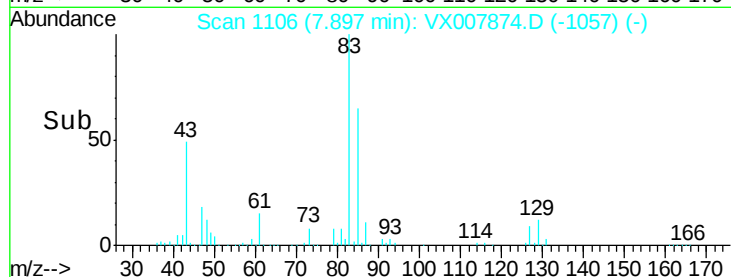
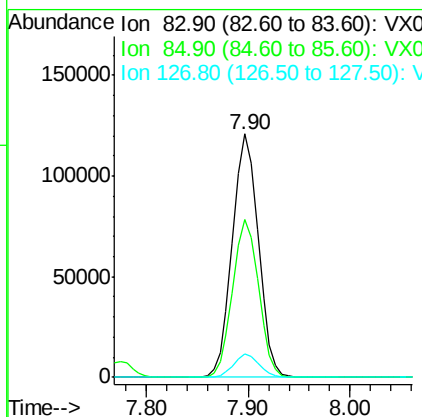
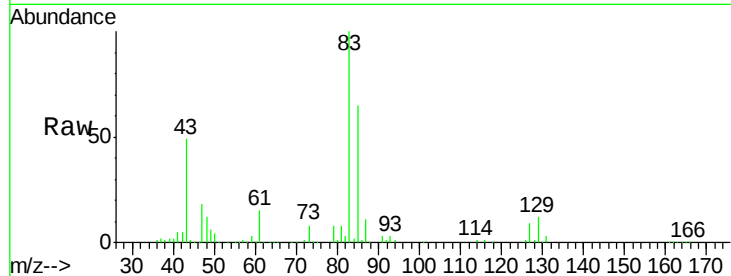
#47
Bromodichloromethane
Concen: 52.969 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	213251		
85	64.8	50.9	76.3	
127	9.5	7.4	11.0	

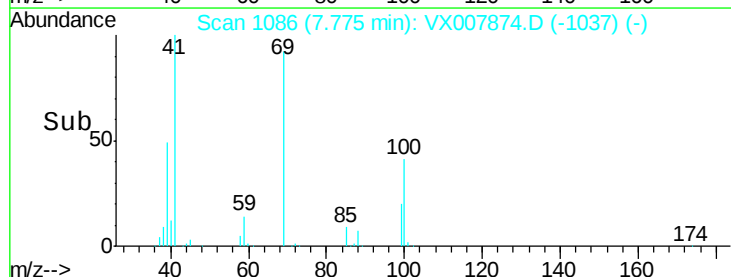
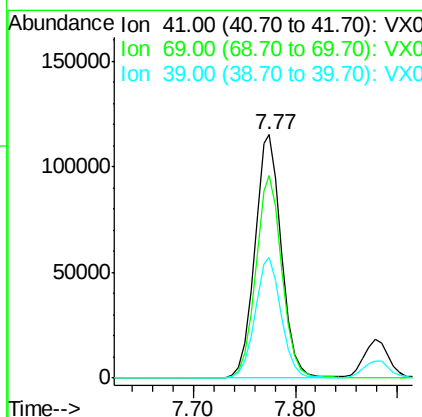
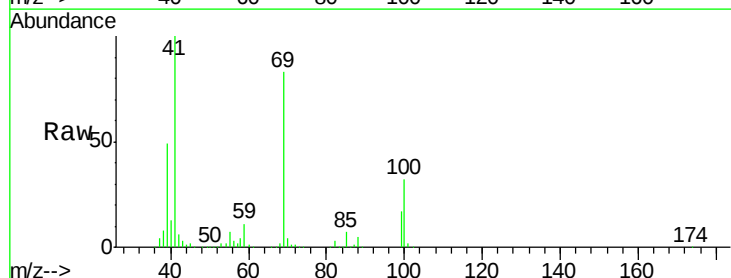
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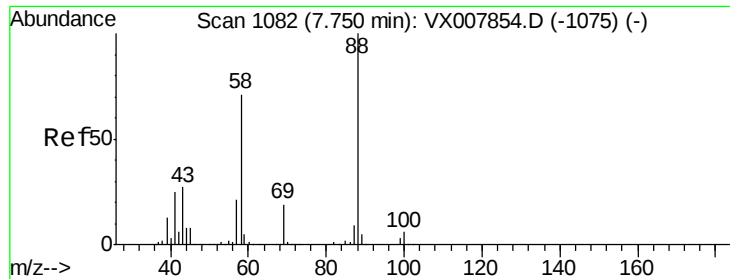
MMDadoda
3/8/2019 9:40:22 AM



#48
Methyl methacrylate
Concen: 52.964 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	208697		
69	82.3	65.2	97.8	
39	49.3	39.4	59.2	





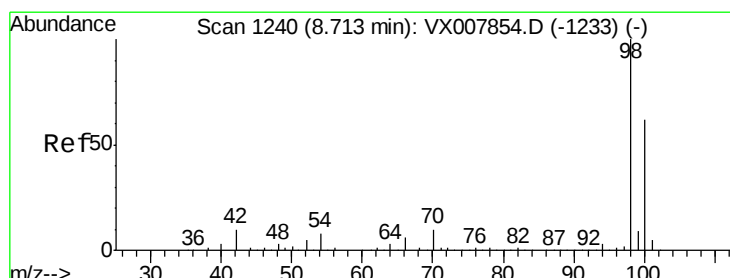
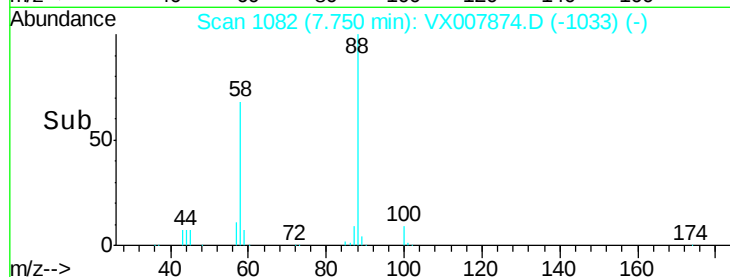
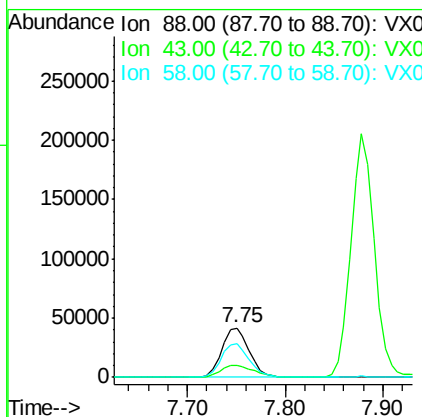
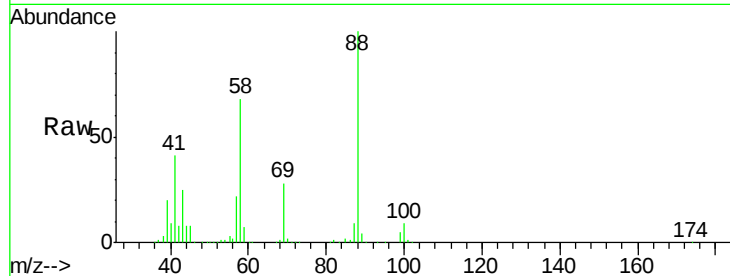
#49
1,4-Dioxane
Concen: 1001.713 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	25.1	37.7
58	70.4	57.8	86.6

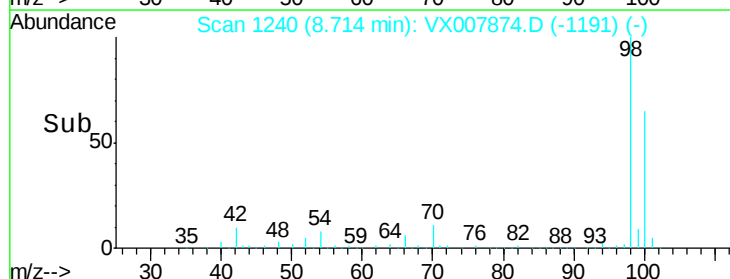
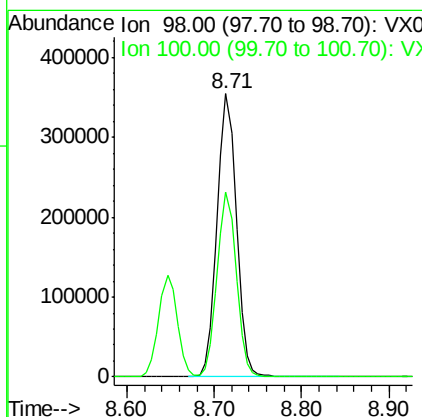
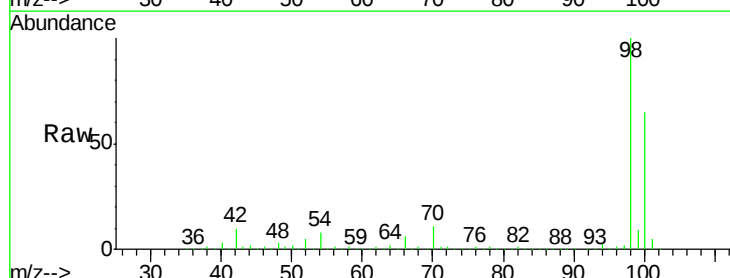
Manual Integrations
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MMDadoda
3/8/2019 9:40:22 AM



#50
Toluene-d8
Concen: 49.209 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 261.706 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1261365

Ion Ratio Lower Upper

43 100

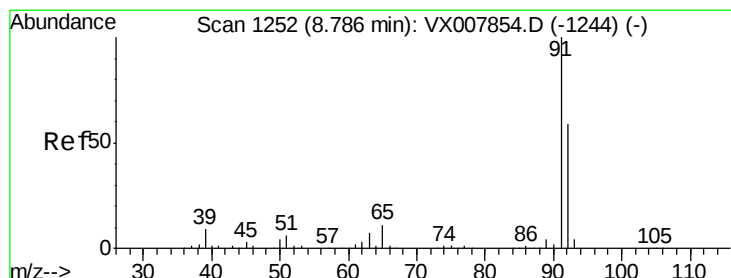
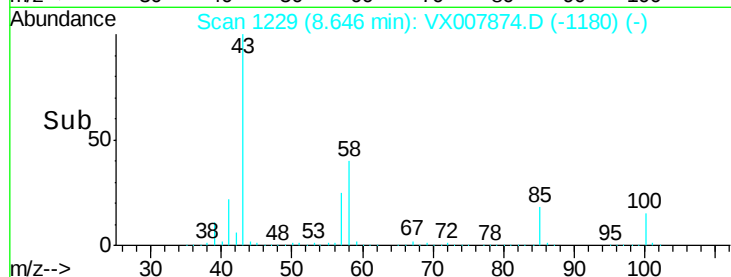
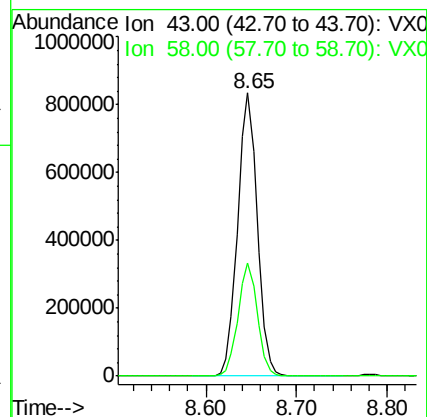
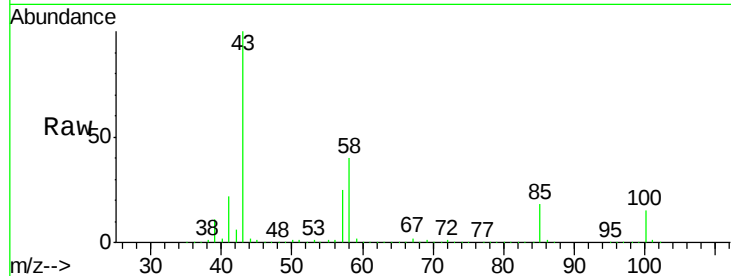
58 39.2 31.3 46.9

Manual Integrations

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3/8/2019 9:40:22 AM



#52

Toluene

Concen: 54.088 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007874.D

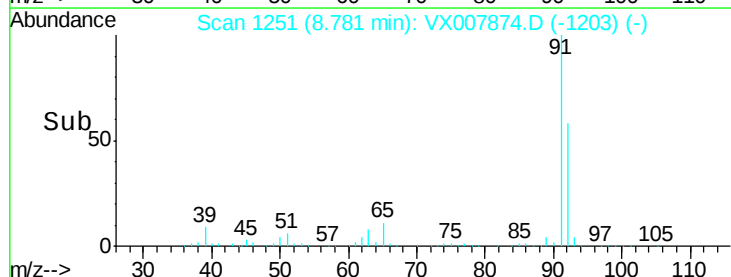
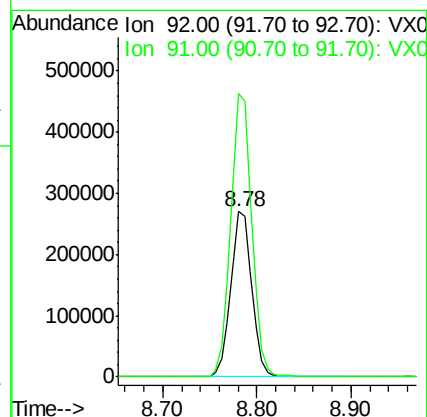
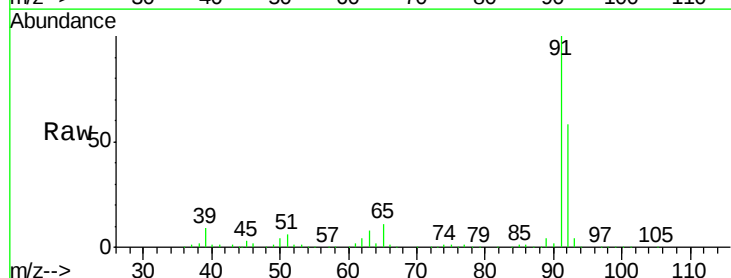
Acq: 07 Mar 2019 10:11

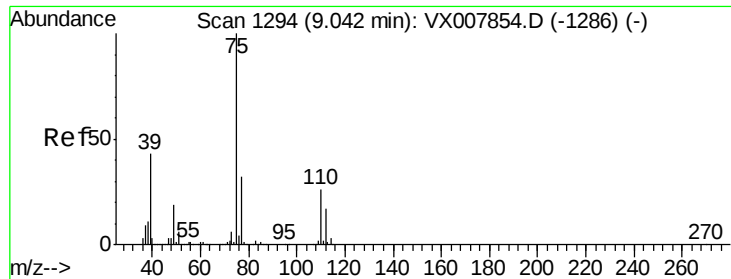
Tgt Ion: 92 Resp: 419517

Ion Ratio Lower Upper

92 100

91 172.3 137.4 206.0





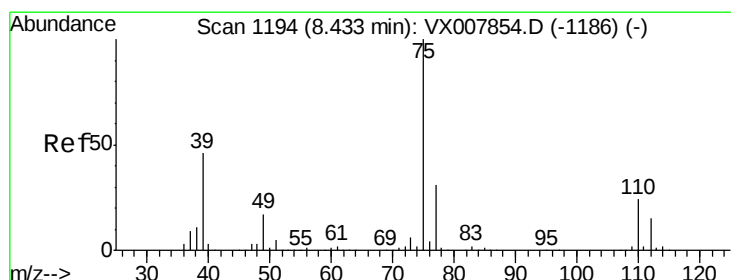
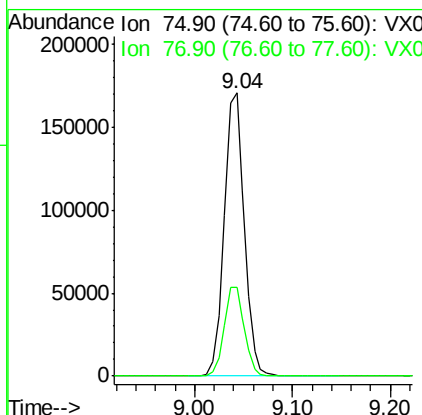
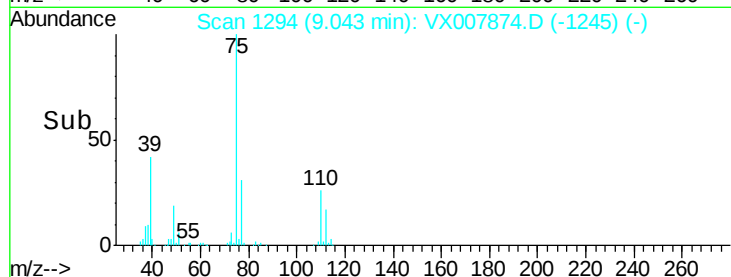
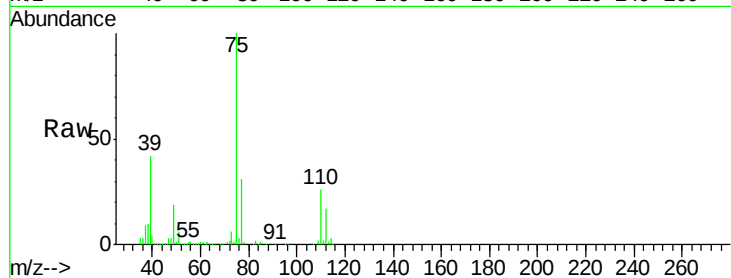
#53
t-1,3-Dichloropropene
Concen: 57.675 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0

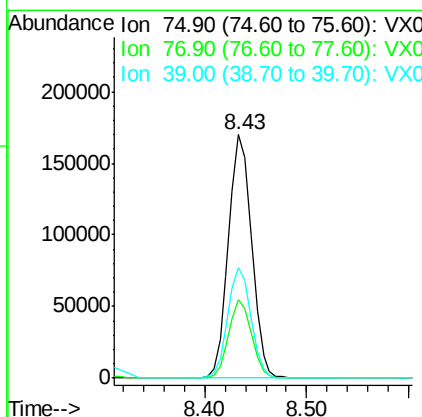
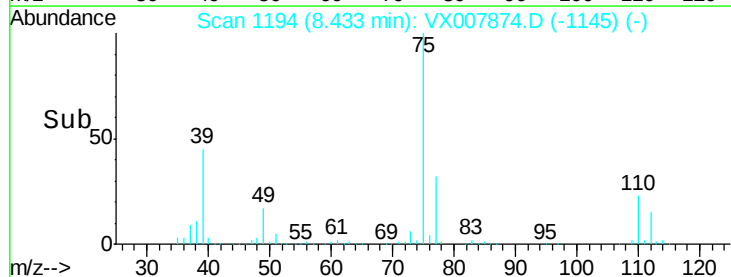
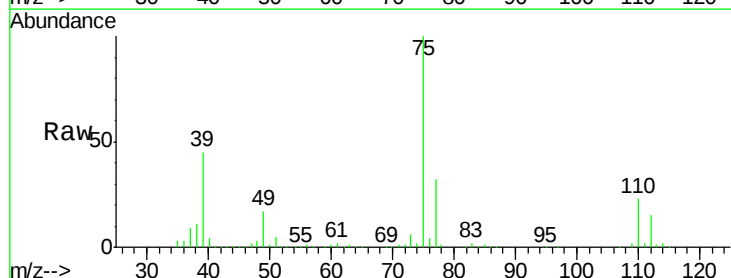
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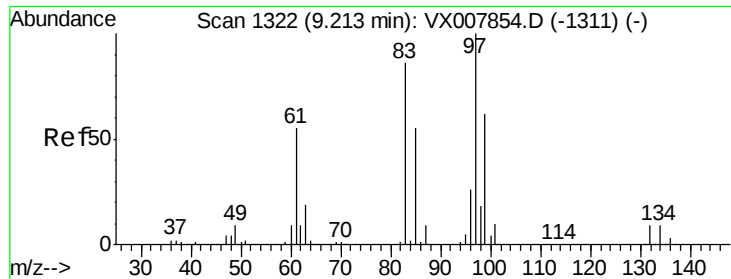
MMDadoda
3/8/2019 9:40:22 AM



#54
cis-1,3-Dichloropropene
Concen: 56.404 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.6
39	45.2	36.6	54.8





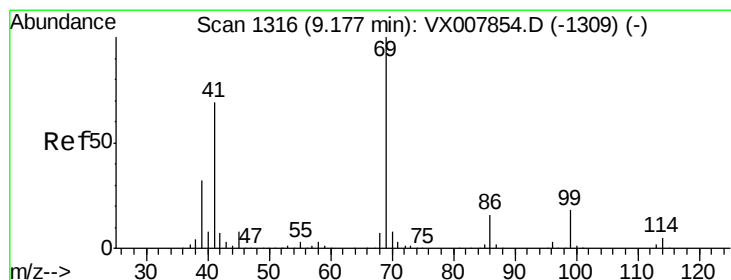
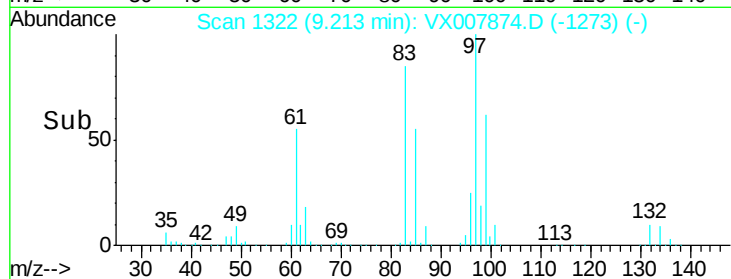
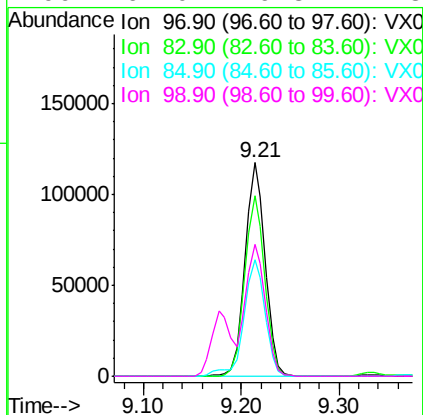
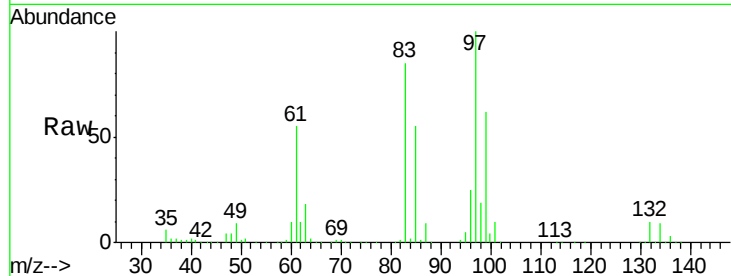
#55
 1,1,2-Trichloroethane
 Concen: 53.313 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007874.D
 Acq: 07 Mar 2019 10:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	167390
Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.1	103.7
85	54.7	44.3	66.5
99	62.0	49.8	74.8

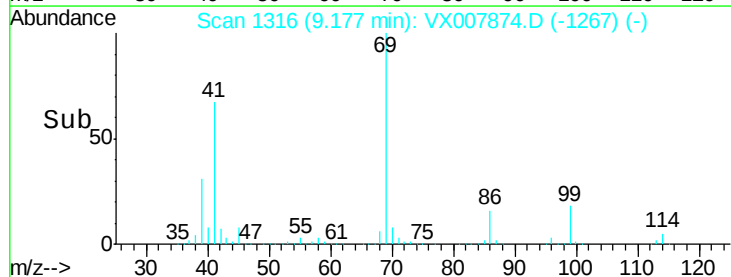
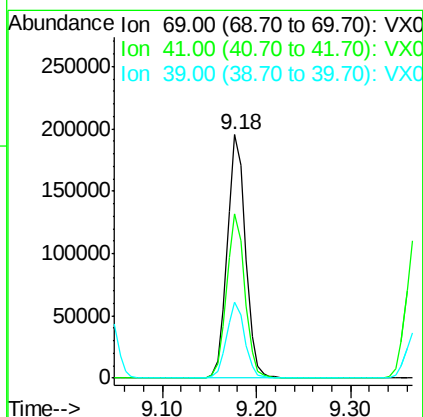
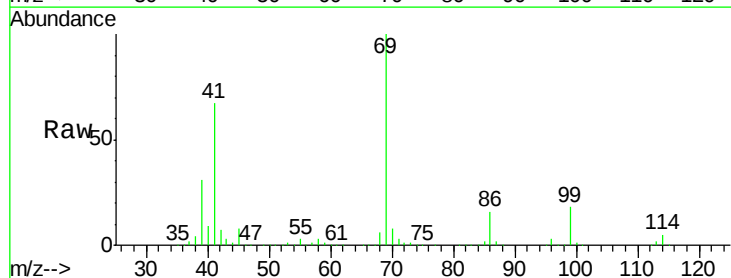
Manual Integrations
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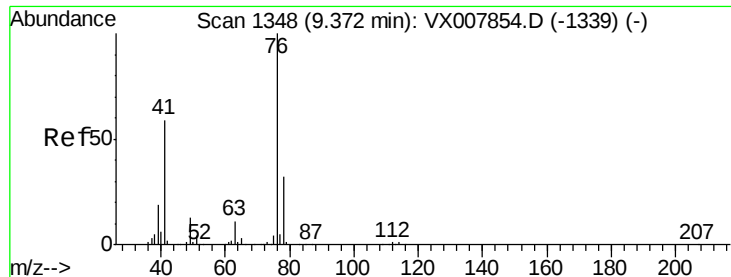
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#56
 Ethyl methacrylate
 Concen: 55.724 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007874.D
 Acq: 07 Mar 2019 10:11

Tgt Ion:	69	Resp:	262693
Ion	Ratio	Lower	Upper
69	100		
41	67.3	54.2	81.4
39	30.9	25.0	37.4





#57

1,3-Dichloropropane

Concen: 53.095 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 279912

Ion Ratio Lower Upper

76 100

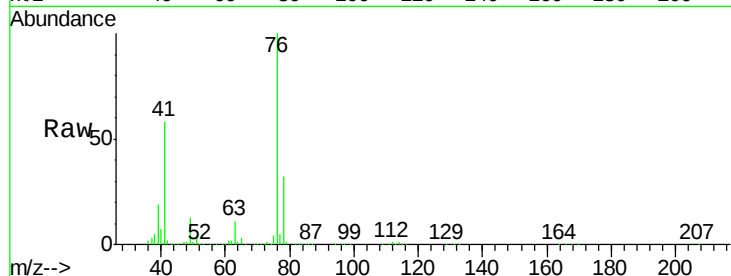
78 32.2 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

150000

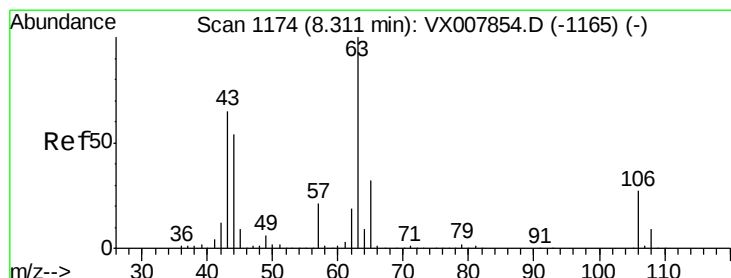
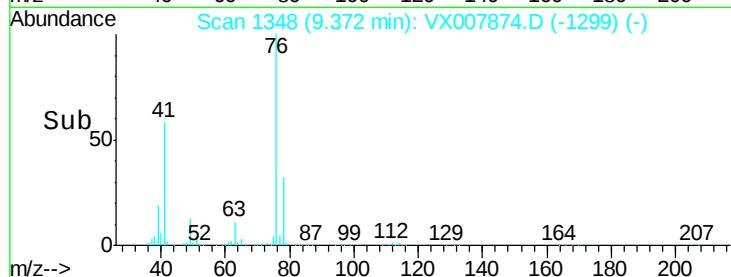
100000

50000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 239.394 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007874.D

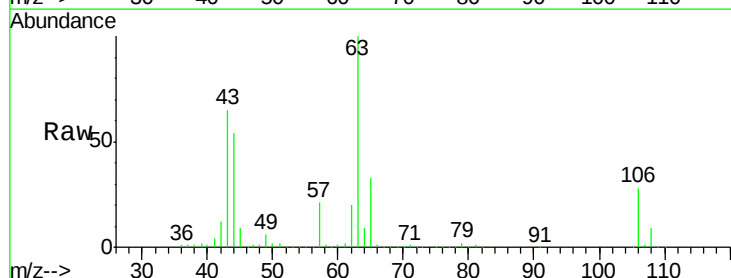
Acq: 07 Mar 2019 10:11

Tgt Ion: 63 Resp: 583776

Ion Ratio Lower Upper

63 100

106 28.1 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

400000

300000

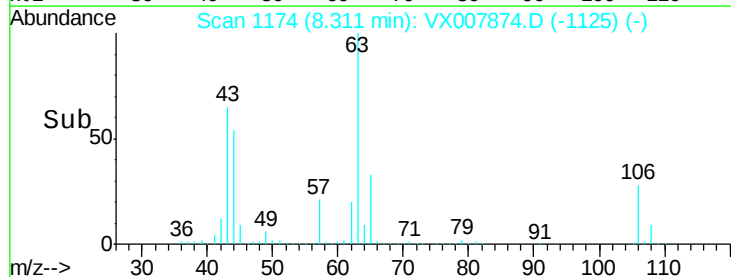
200000

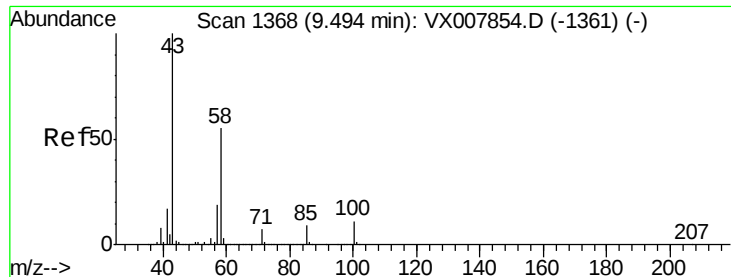
100000

0

8.20 8.30 8.40

Time-->





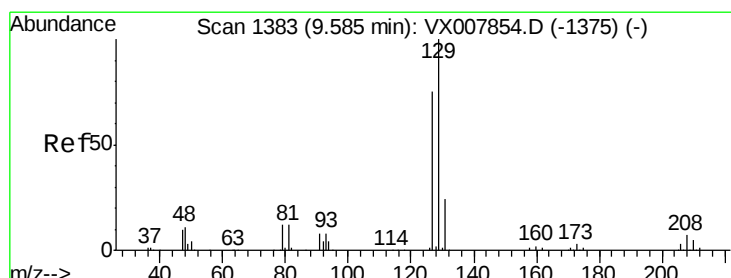
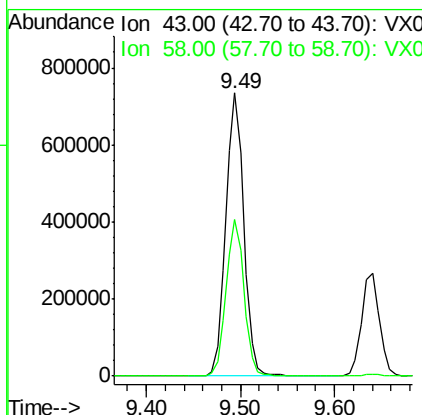
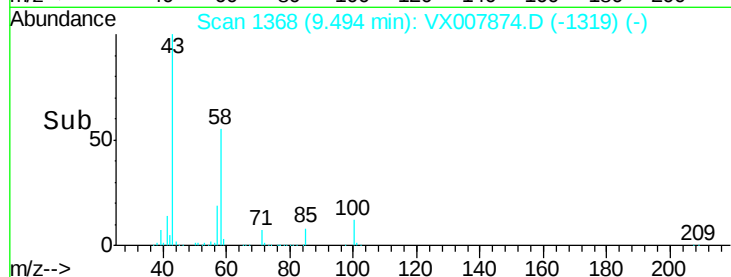
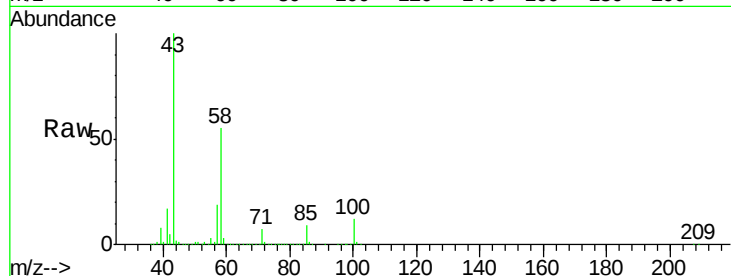
#59
2-Hexanone
Concen: 260.475 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 974693
Ion Ratio Lower Upper
43 100
58 55.2 27.6 82.7

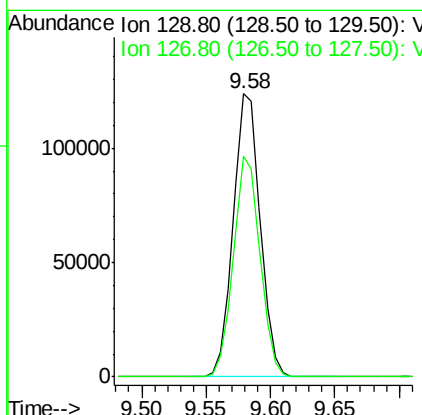
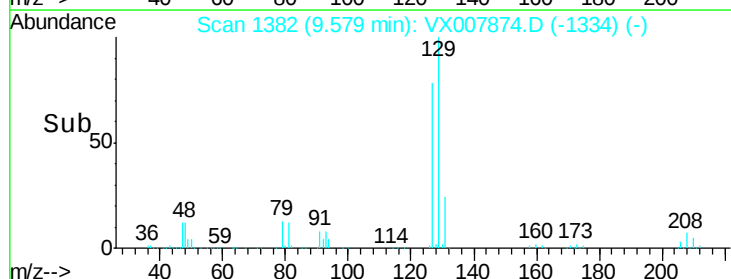
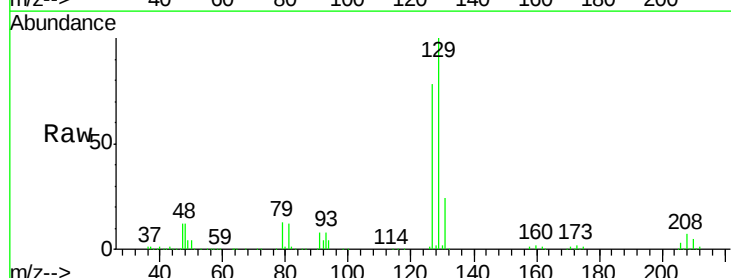
Manual Integrations
APPROVED

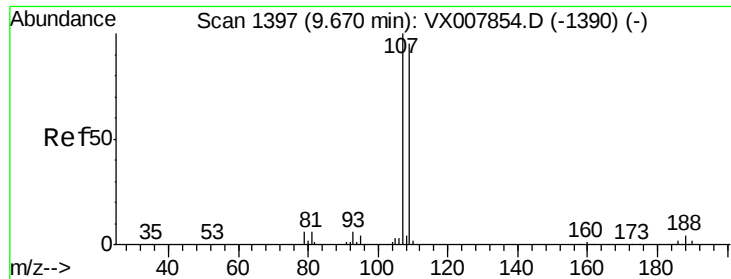
MMDadoda
3/8/2019 9:40:22 AM



#60
Dibromochloromethane
Concen: 55.385 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion: 129 Resp: 181764
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.8





#61

1,2-Dibromoethane

Concen: 53.283 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 177621

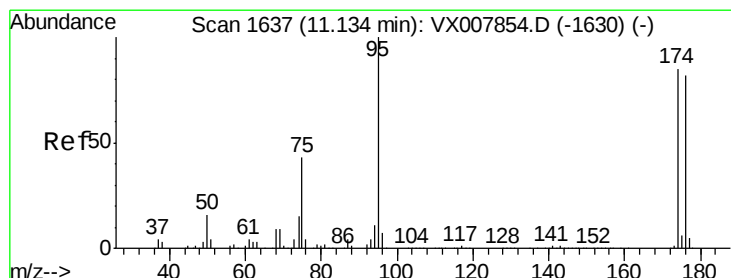
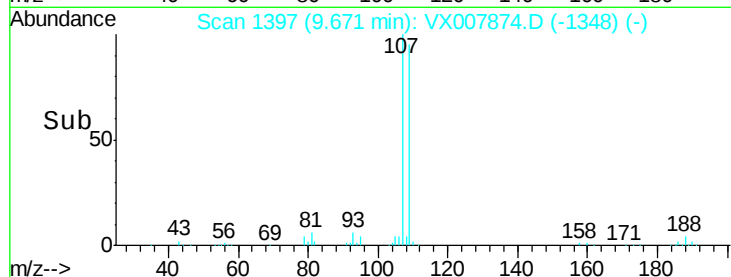
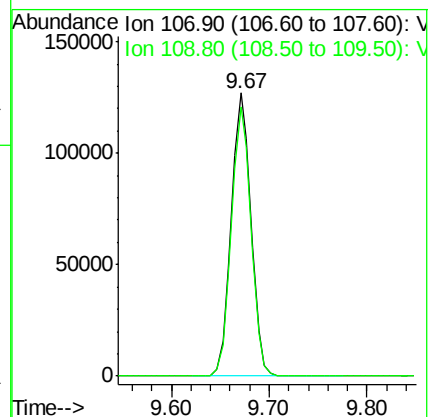
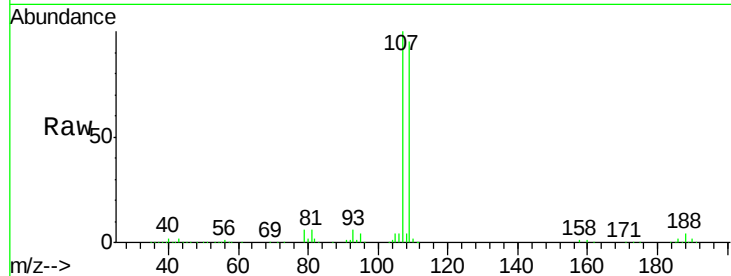
Ion Ratio Lower Upper

107 100

109 95.3 75.8 113.8

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#62

4-Bromofluorobenzene

Concen: 50.098 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

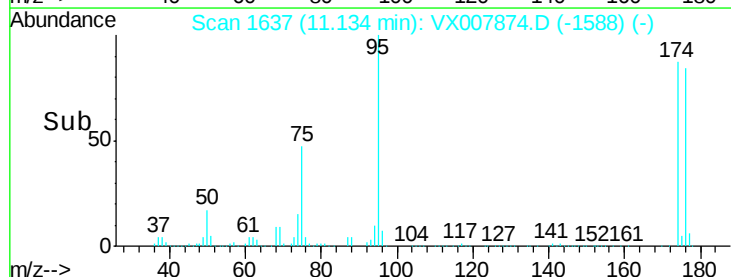
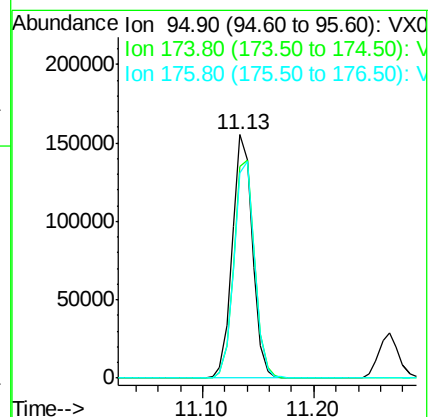
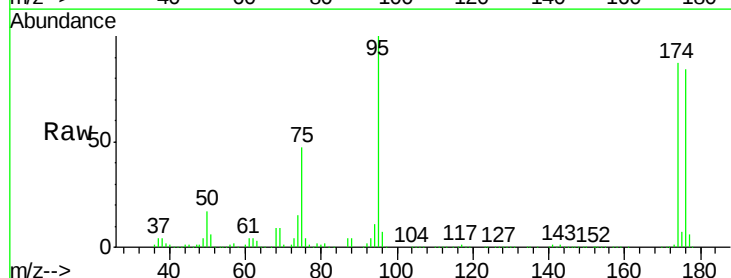
Tgt Ion: 95 Resp: 194461

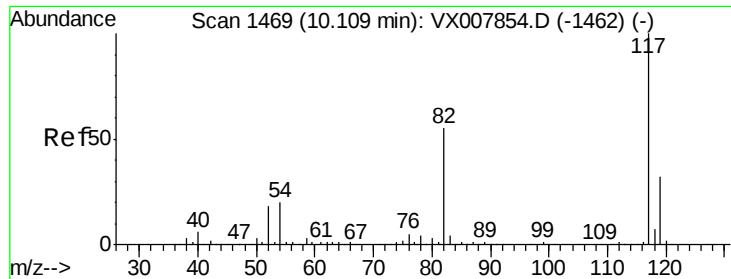
Ion Ratio Lower Upper

95 100

174 92.2 0.0 182.8

176 90.7 0.0 178.0





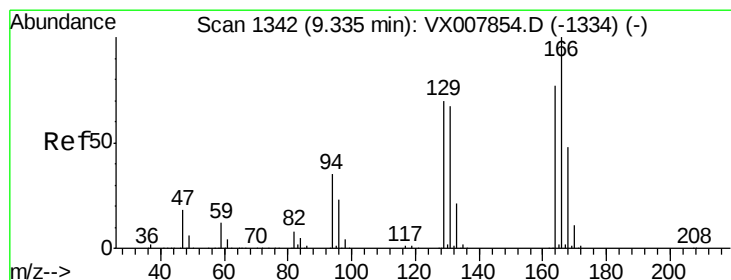
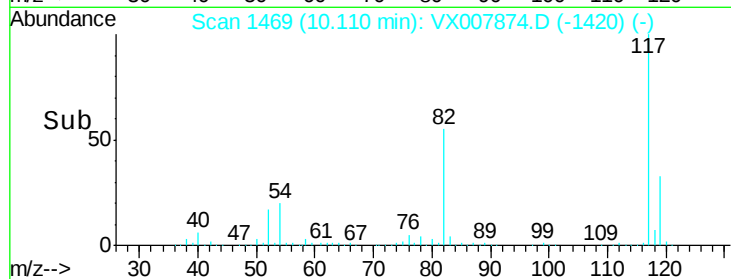
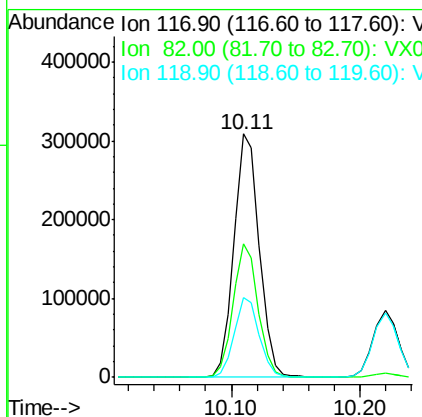
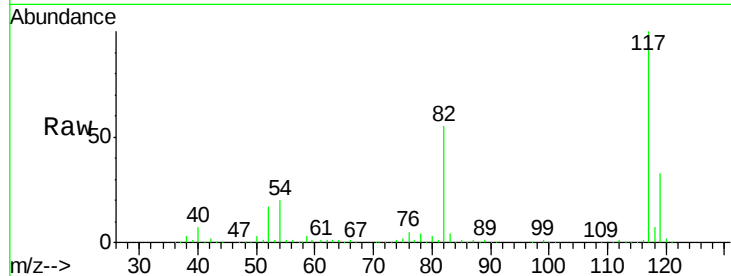
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.3	66.5
119	32.9	25.3	37.9

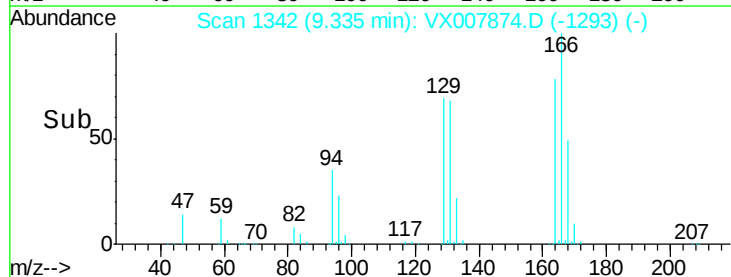
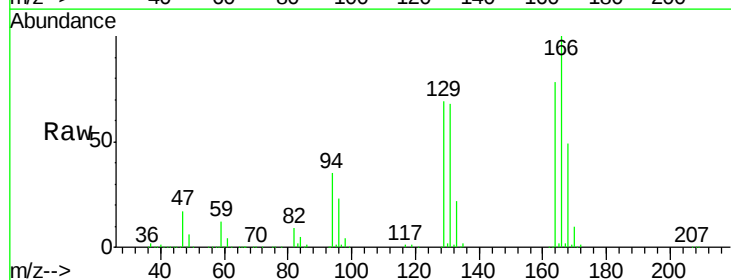
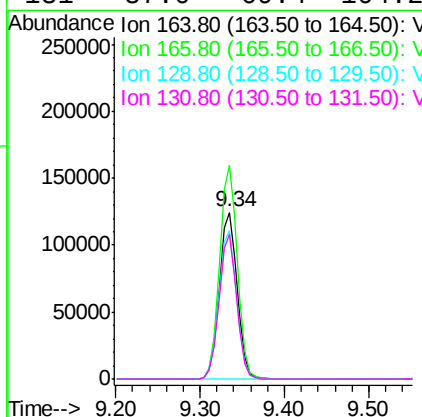
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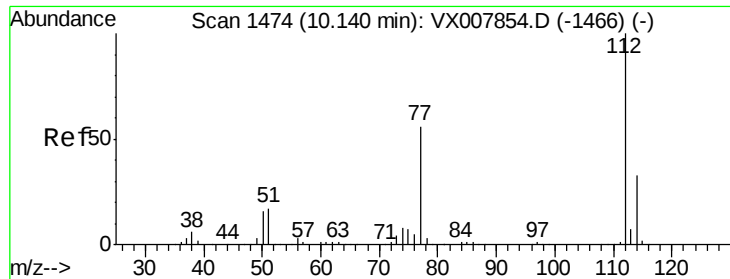
MMDadoda
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#64
Tetrachloroethene
Concen: 51.950 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	103.4	155.0
129	89.0	72.2	108.4
131	87.0	69.4	104.2





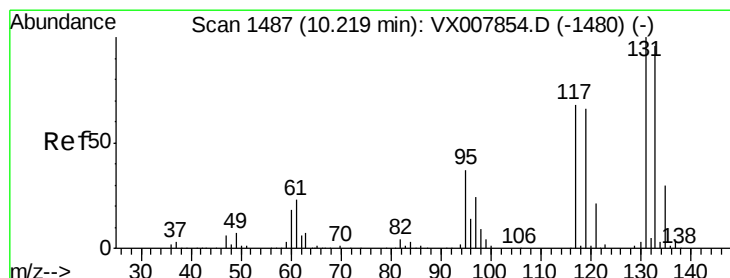
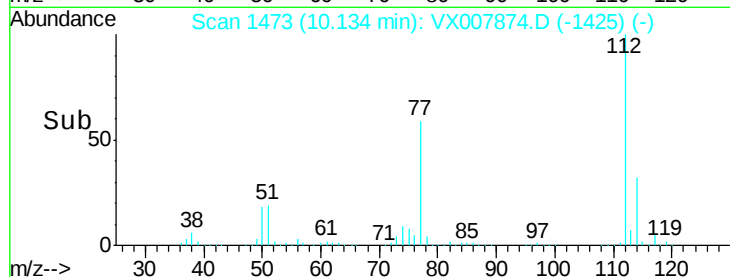
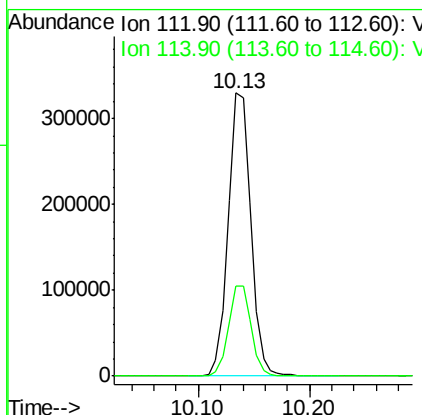
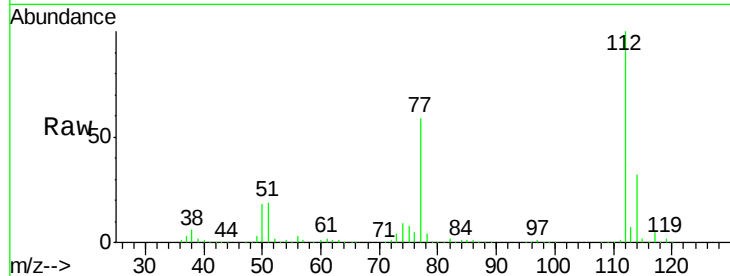
#65
Chlorobenzene
Concen: 52.336 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 464691
Ion Ratio Lower Upper
112 100
114 32.0 26.0 39.0

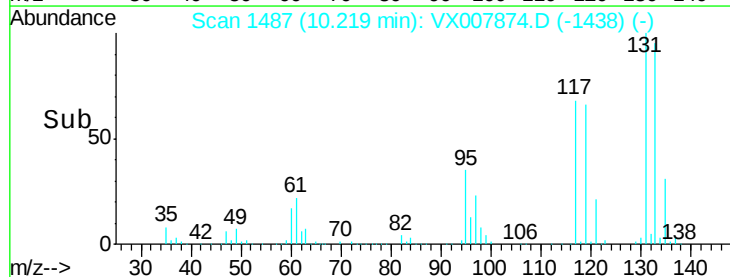
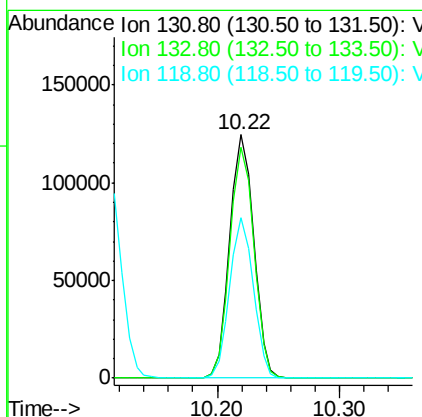
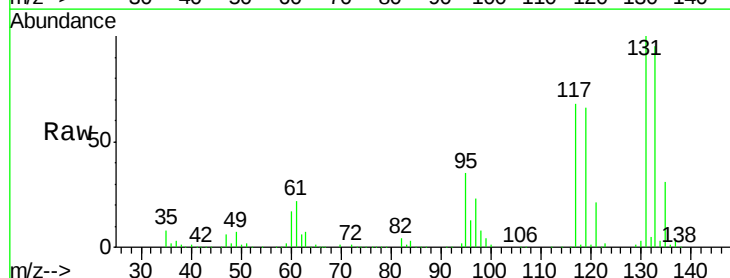
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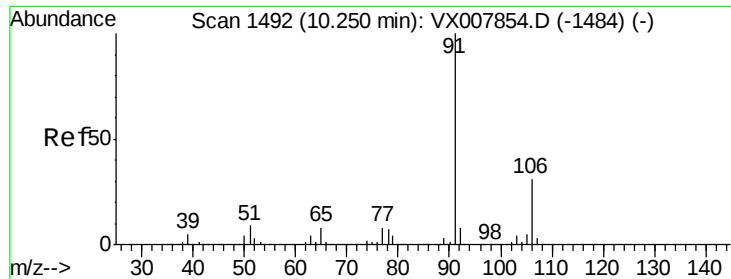
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.163 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion:131 Resp: 169176
Ion Ratio Lower Upper
131 100
133 94.9 47.8 143.3
119 65.2 32.5 97.5





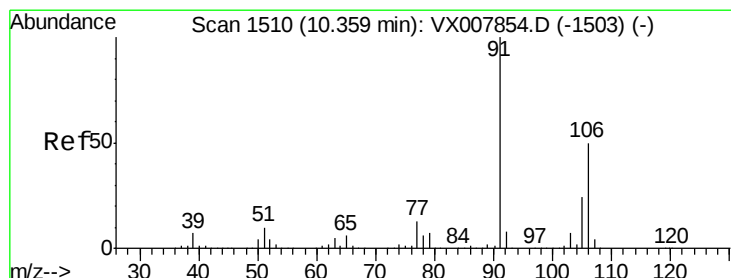
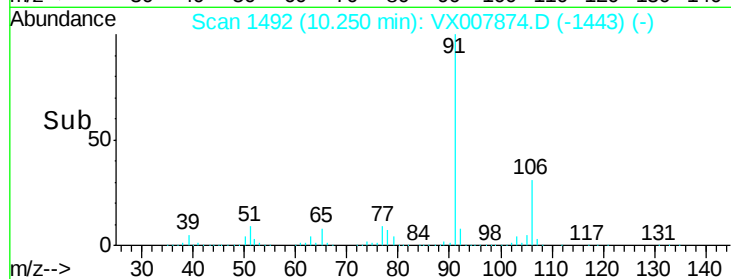
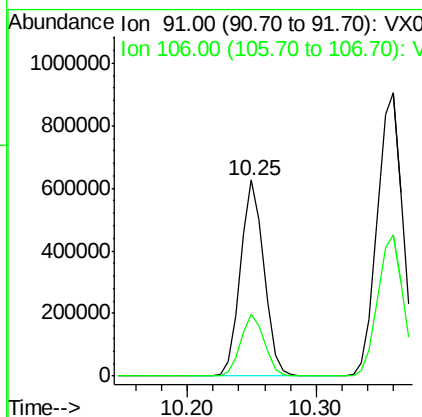
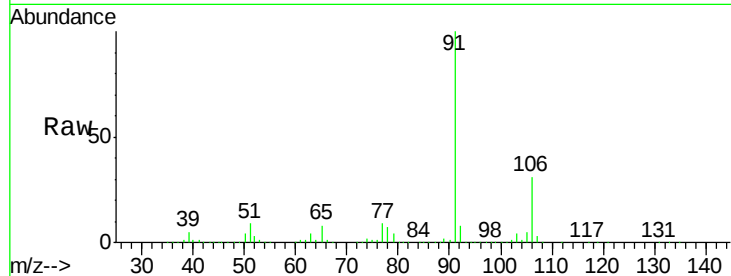
#67
Ethyl Benzene
Concen: 54.283 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 793381
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8

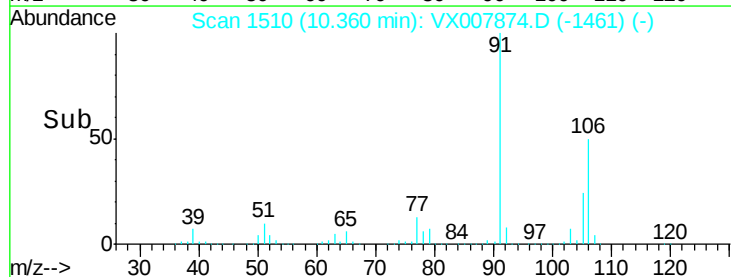
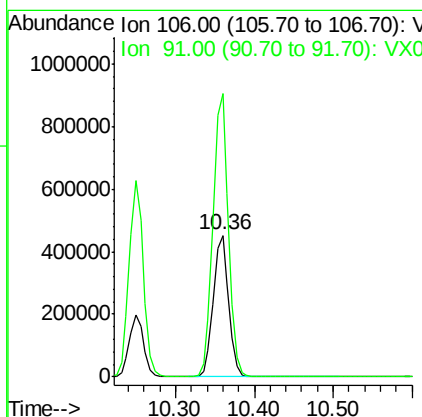
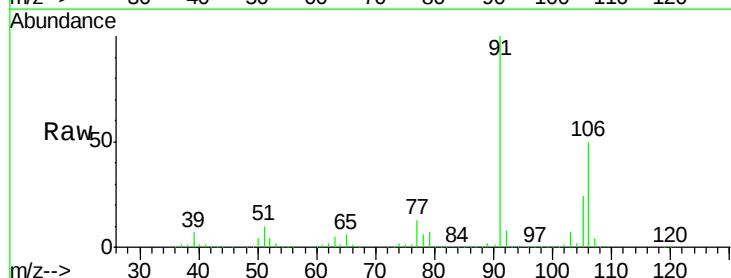
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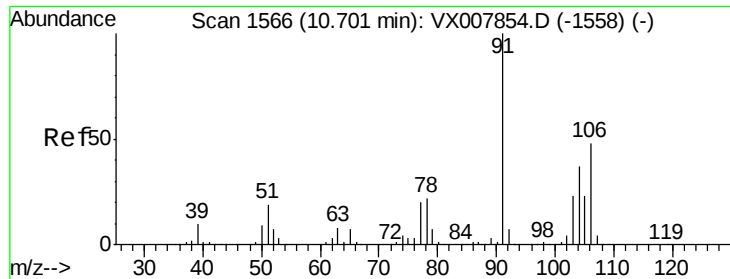
MMDadoda
3/8/2019 9:40:22 AM



#68
m/p-Xylenes
Concen: 109.268 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion: 106 Resp: 615576
Ion Ratio Lower Upper
106 100
91 200.1 159.8 239.6





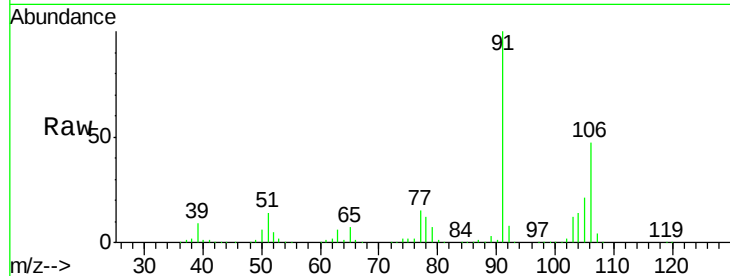
#69
o-Xylene
Concen: 54.297 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

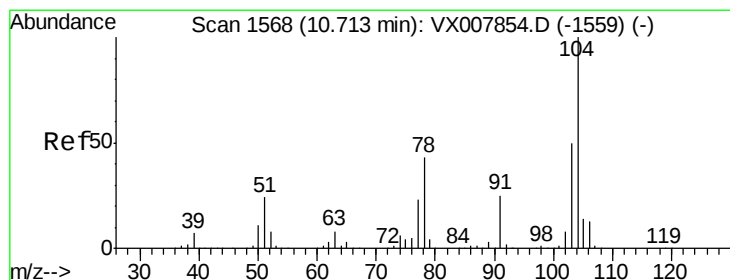
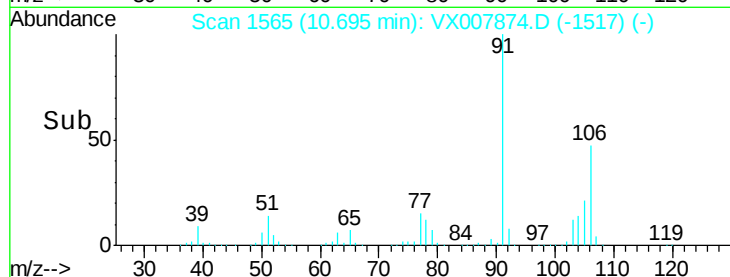
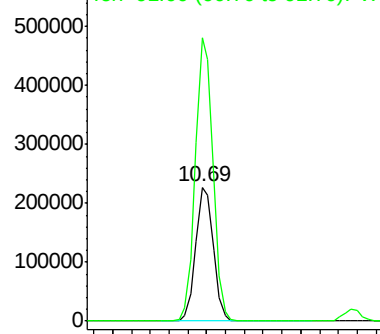
Tot Ion:106 Resp: 295316
Ion Ratio Lower Upper
106 100
91 211.2 106.3 318.9

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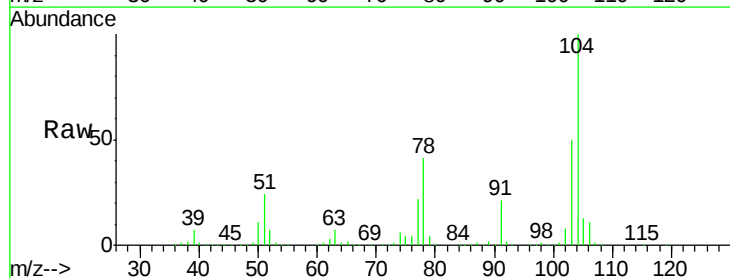


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

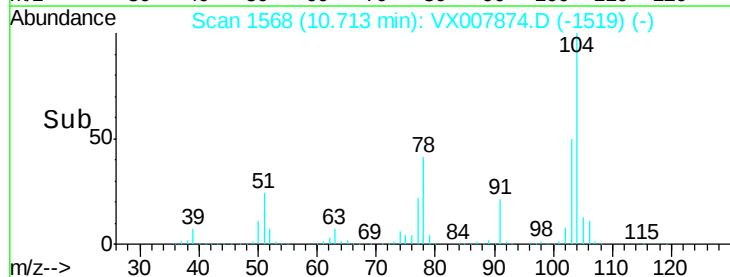
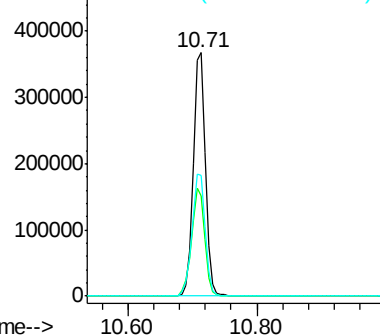


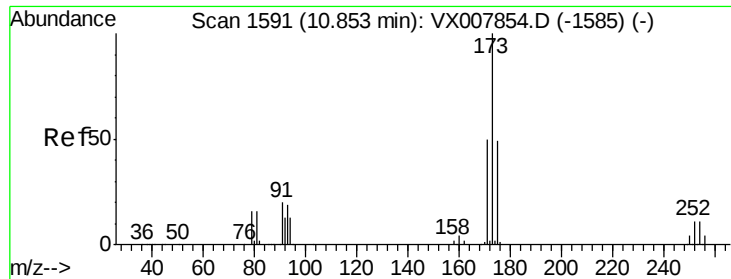
#70
Styrene
Concen: 54.994 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion:104 Resp: 489454
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 55.1 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 53.139 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

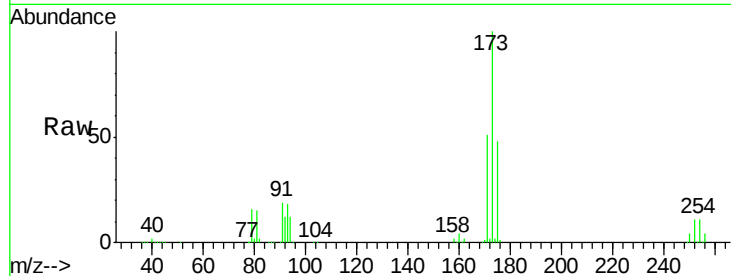
ClientSampled :

VSTDCCC050

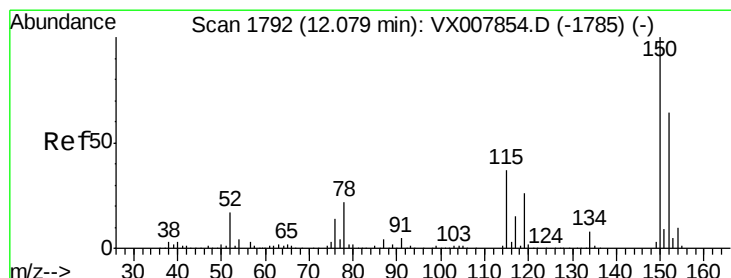
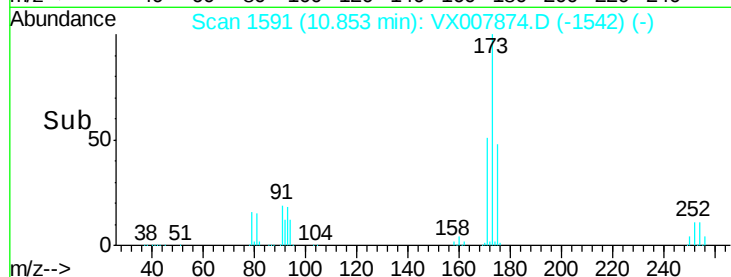
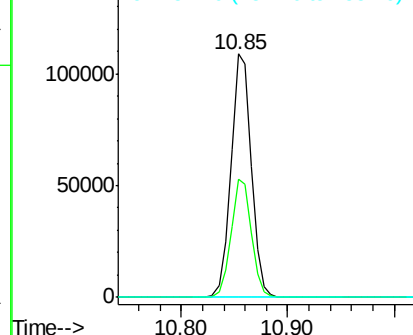
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.9
254	0.2	0.1	0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

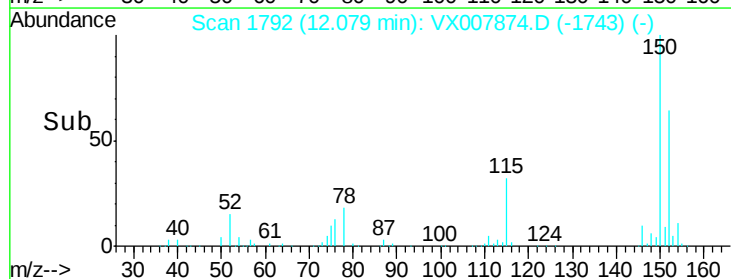
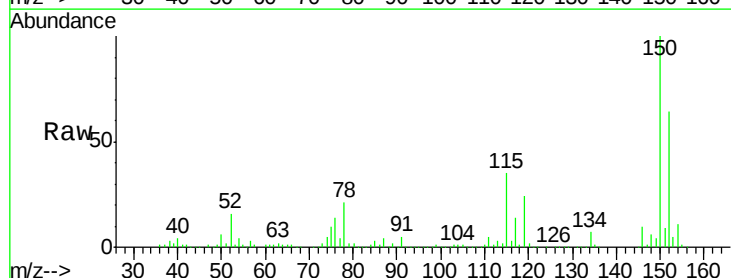
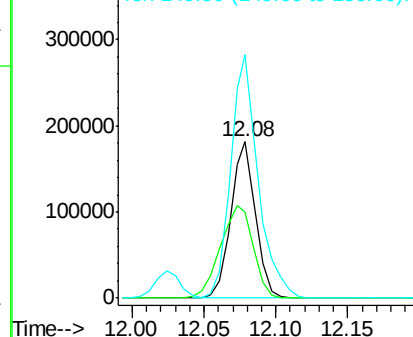
Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.5	38.6	115.7
150	173.7	0.0	348.4

Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





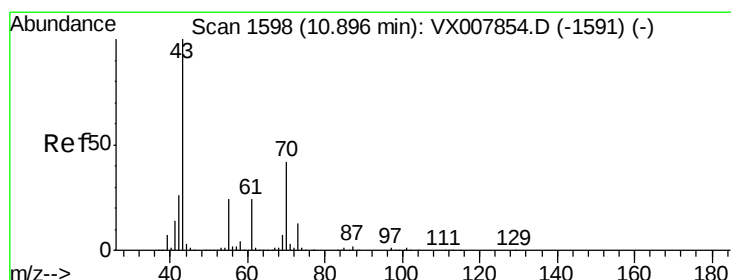
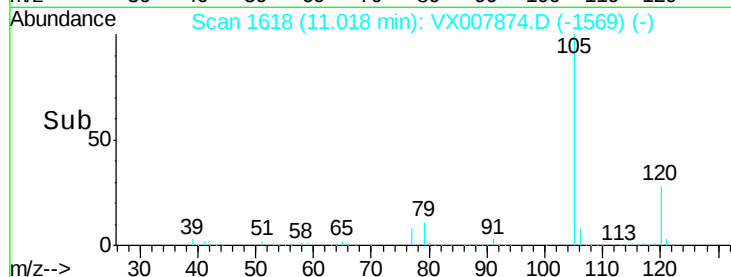
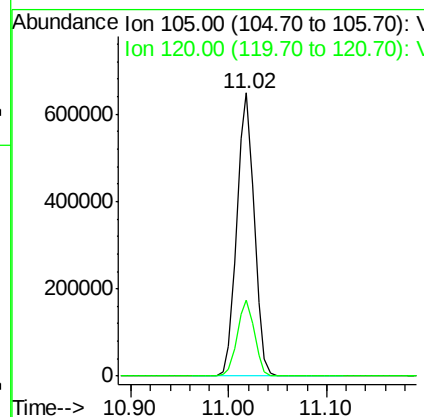
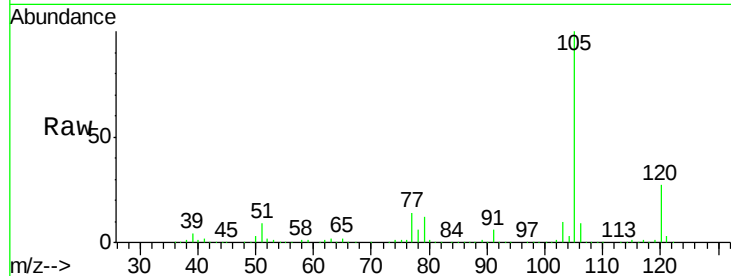
#73
Isopropylbenzene
Concen: 54.471 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 801243
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.1

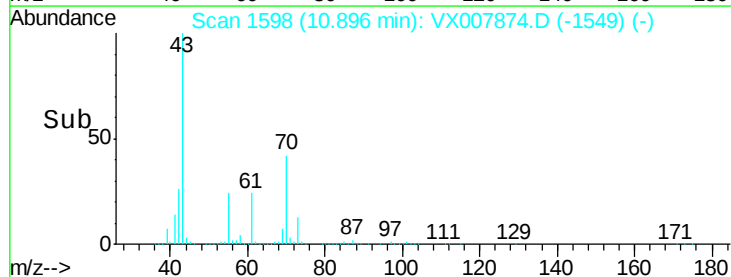
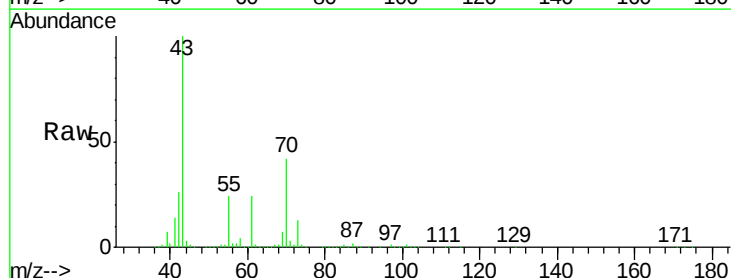
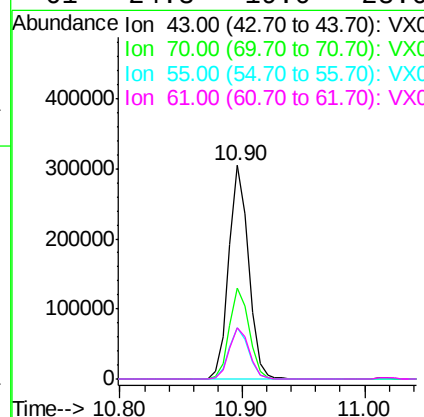
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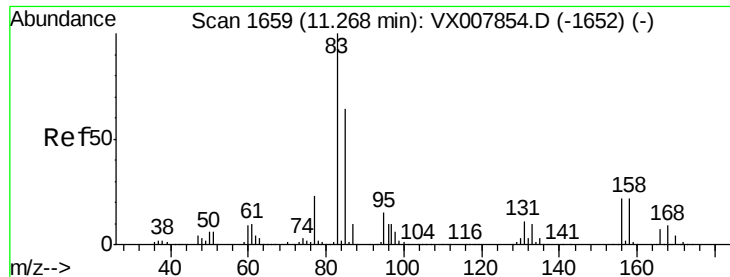
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#74
N-ethyl acetate
Concen: 50.890 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion: 43 Resp: 341745
Ion Ratio Lower Upper
43 100
70 42.4 33.5 50.3
55 24.3 19.2 28.8
61 24.3 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.377 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

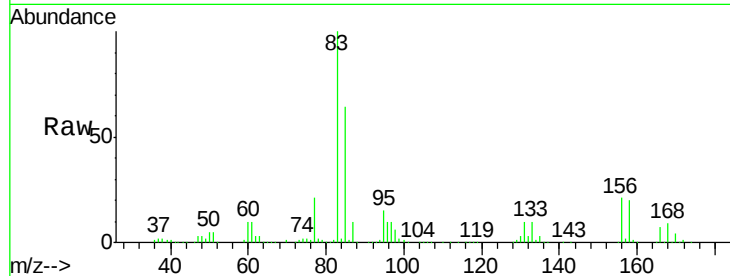
ClientSampleId :

VSTDCCC050

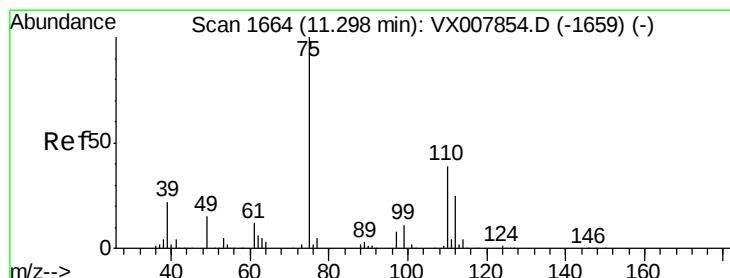
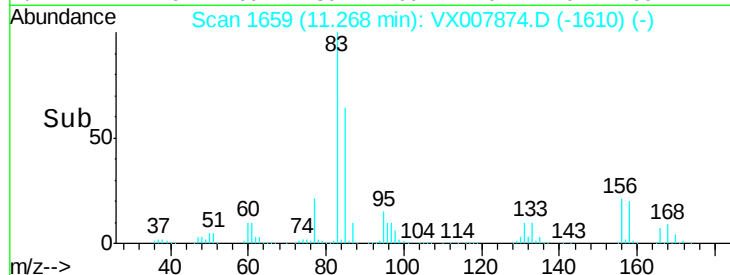
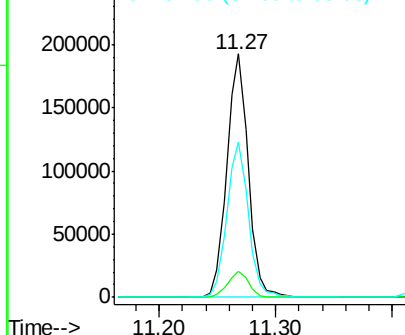
Tot Ion:	83	Resp:	245460
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	64.1	32.3	96.8

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 52.752 ug/l m

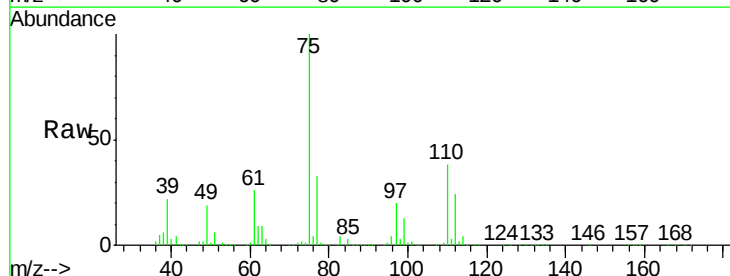
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

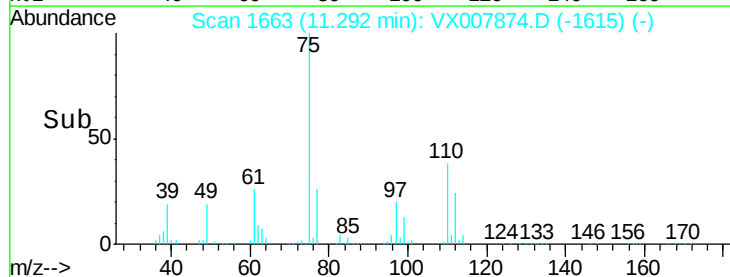
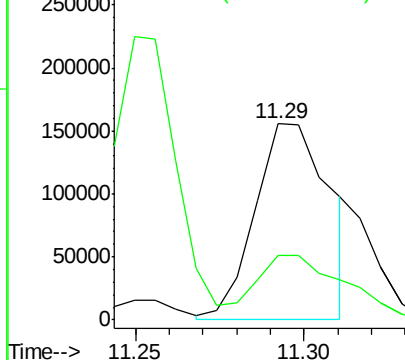
Lab File: VX007874.D

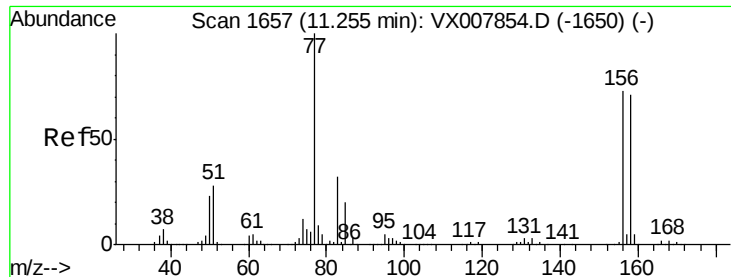
Acq: 07 Mar 2019 10:11

Tgt Ion:	75	Resp:	240762
Ion Ratio	Lower	Upper	
75	100		
77	39.5	18.9	56.7



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





#77

Bromobenzene

Concen: 51.890 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

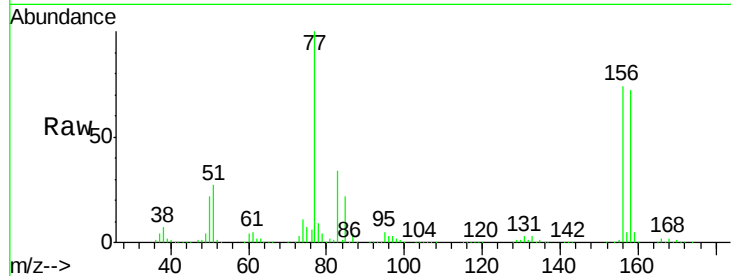
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	209265
Ion Ratio	Lower	Upper	
156	100		
77	143.3	72.0	215.9
158	97.2	48.6	145.9

Manual Integrations
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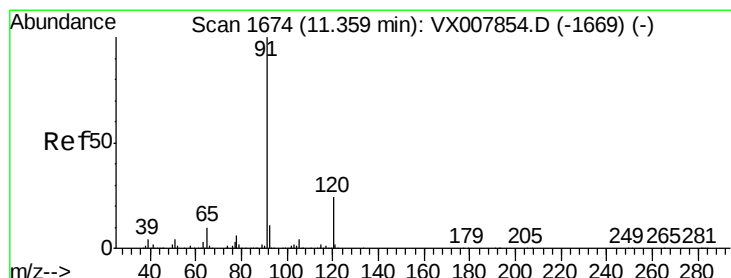
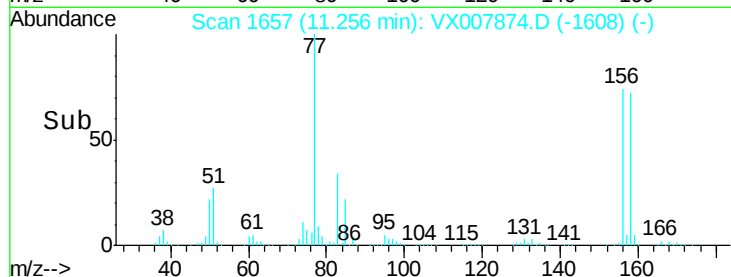
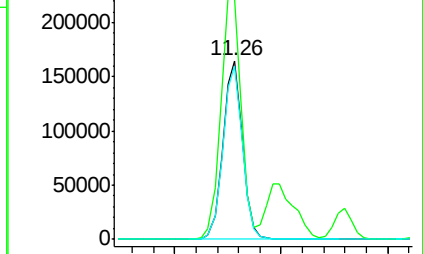
MMDadoda
3/8/2019 9:40:22 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.813 ug/l

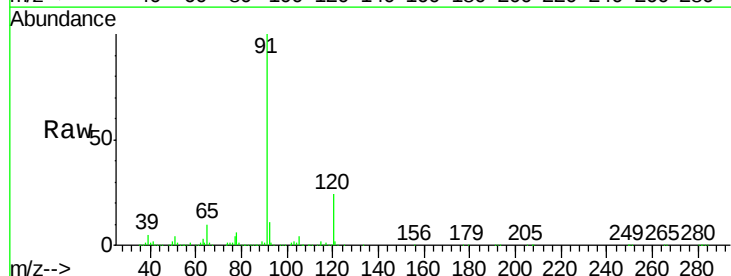
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007874.D

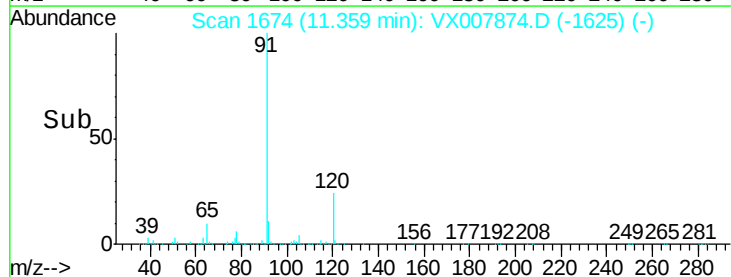
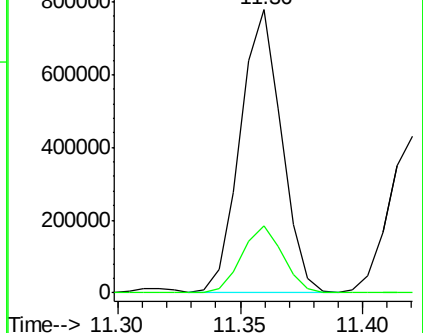
Acq: 07 Mar 2019 10:11

Tgt Ion:	91	Resp:	910796
Ion Ratio	Lower	Upper	
91	100		
120	23.8	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





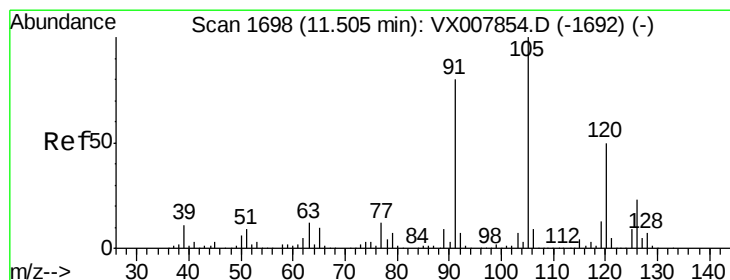
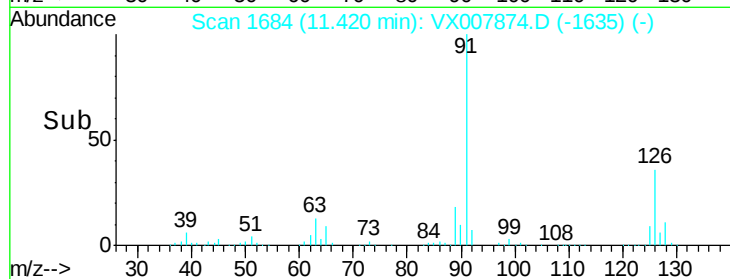
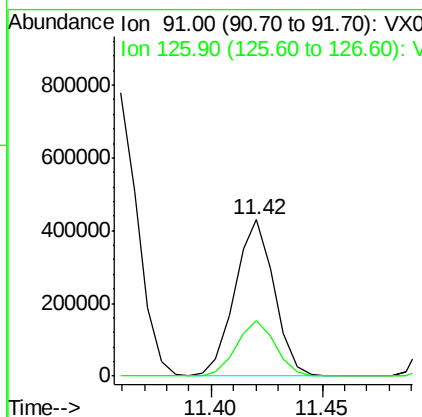
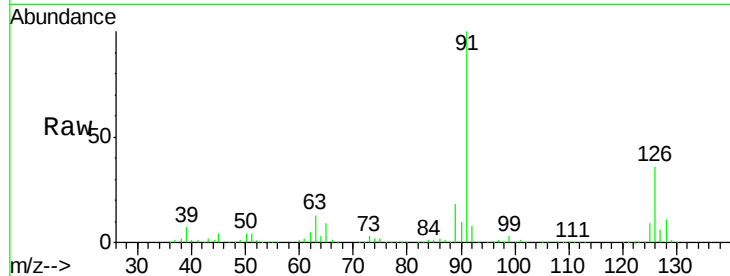
#79
2-Chlorotoluene
Concen: 52.778 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 526600
Ion Ratio Lower Upper
91 100
126 35.3 17.5 52.6

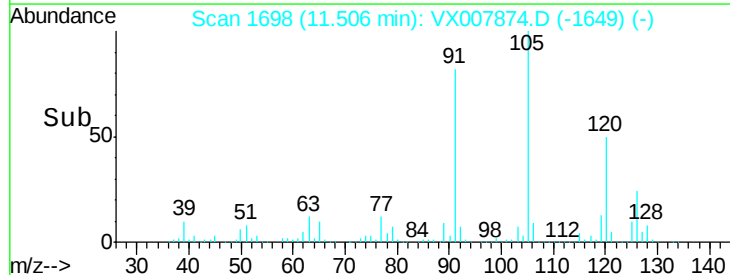
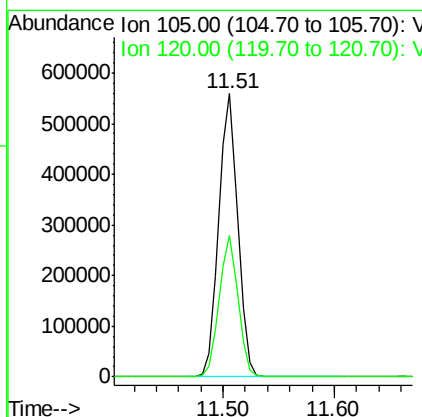
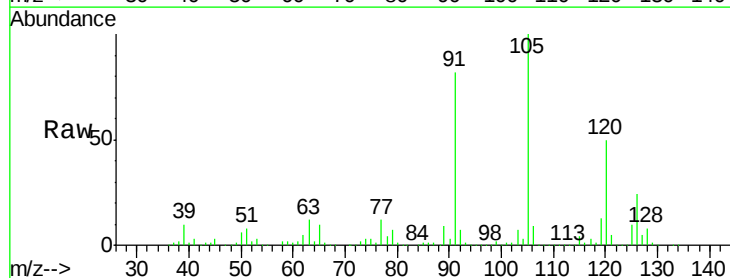
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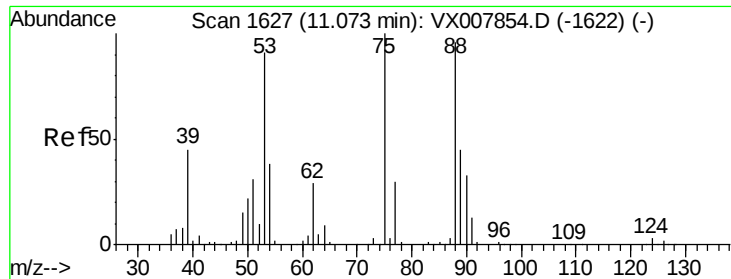
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3/8/2019 9:40:22 AM



#80
1,3,5-Trimethylbenzene
Concen: 54.712 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion: 105 Resp: 662389
Ion Ratio Lower Upper
105 100
120 49.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 55.271 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 78917
Ion Ratio Lower Upper

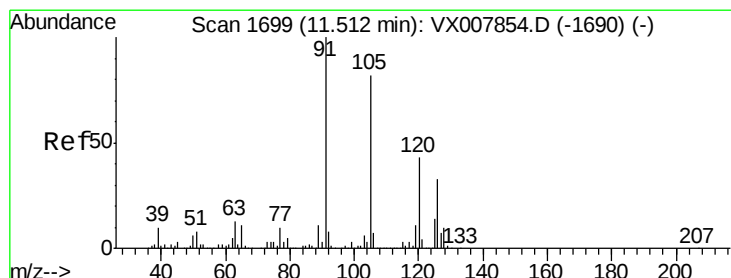
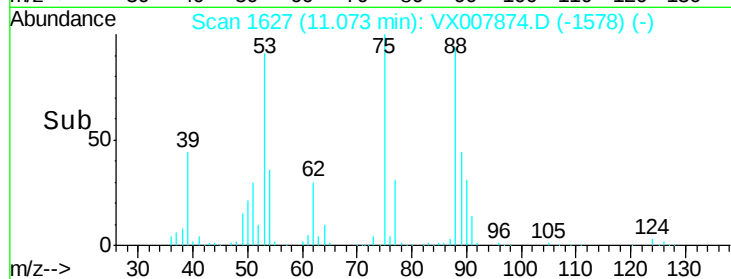
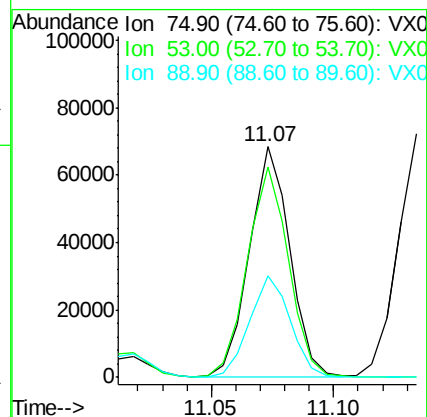
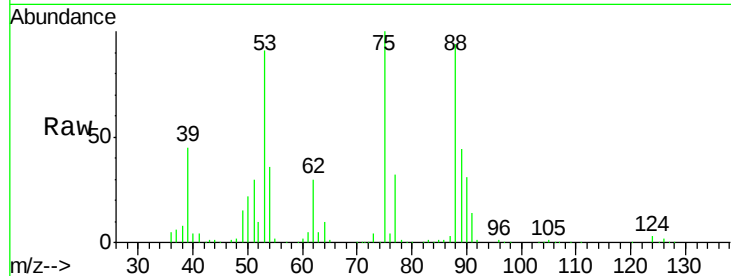
75 100

53 92.8 76.1 114.1

89 44.7 36.3 54.5

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#82

4-Chlorotoluene

Concen: 53.480 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

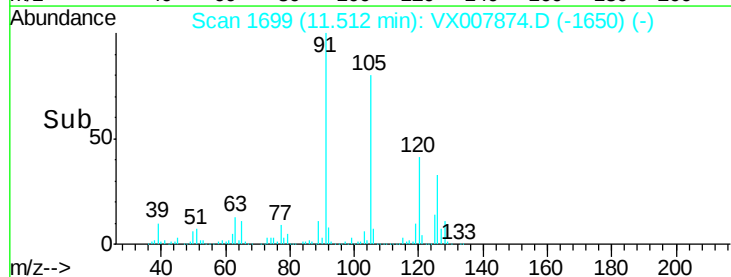
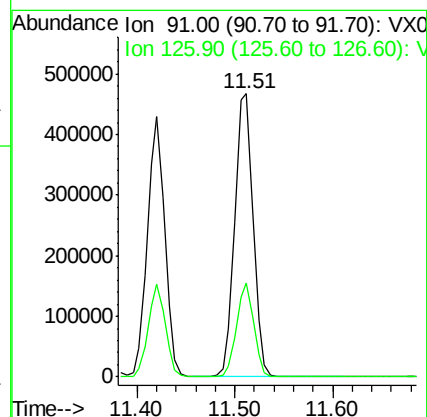
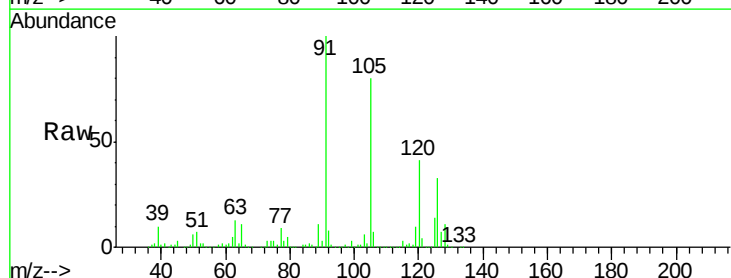
Lab File: VX007874.D

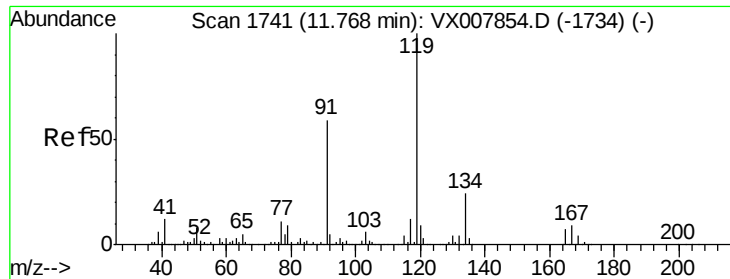
Acq: 07 Mar 2019 10:11

Tgt Ion: 91 Resp: 611510
Ion Ratio Lower Upper

91 100

126 31.1 15.6 46.8





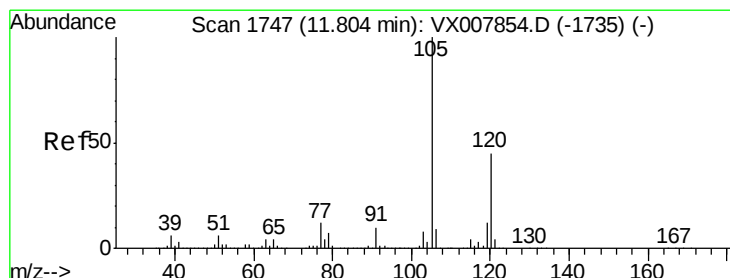
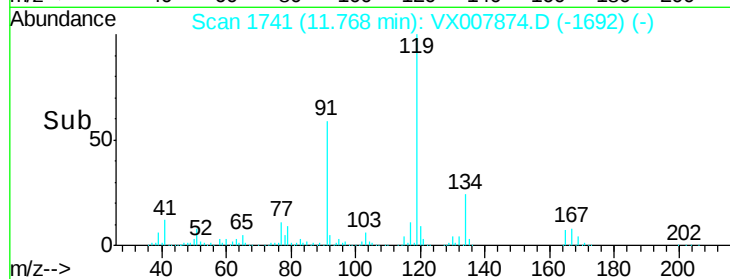
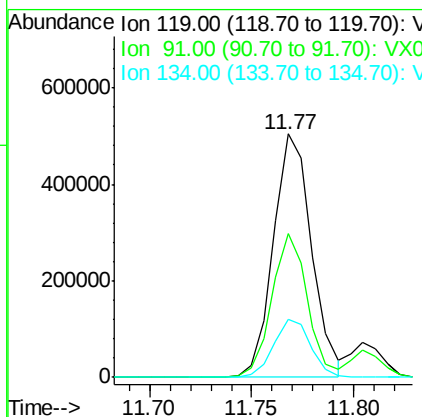
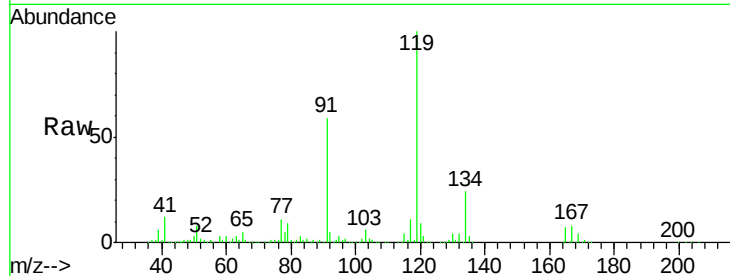
#83
 tert-Butylbenzene
 Concen: 53.997 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007874.D
 Acq: 07 Mar 2019 10:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	658503		
91	55.1	27.1	81.3	
134	23.2	11.4	34.1	

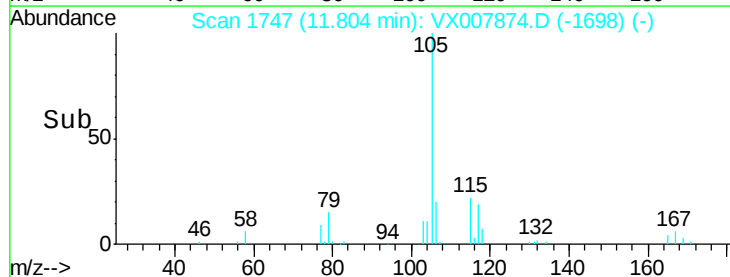
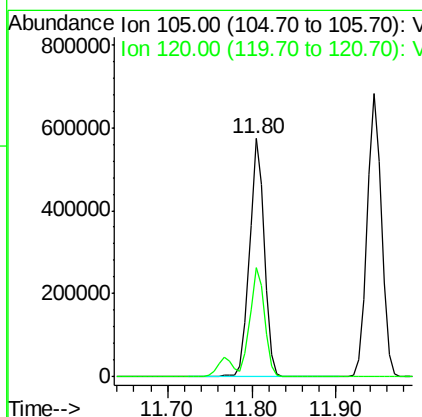
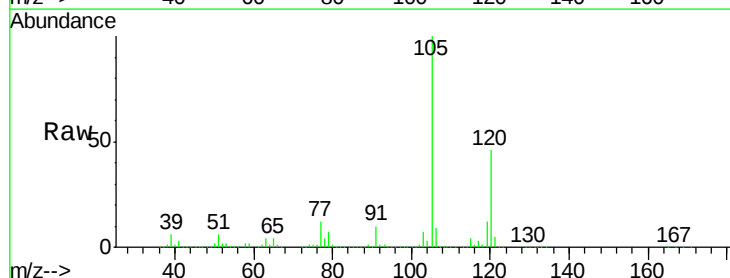
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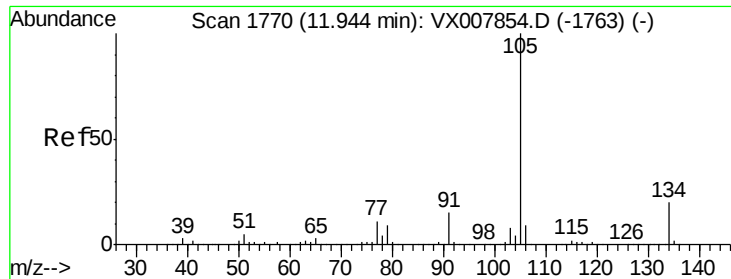
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 3/8/2019 9:40:22 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.469 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007874.D
 Acq: 07 Mar 2019 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	676017		
120	45.1	22.6	67.7	





#85

sec-Butylbenzene

Concen: 56.229 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 807613

Ion Ratio Lower Upper

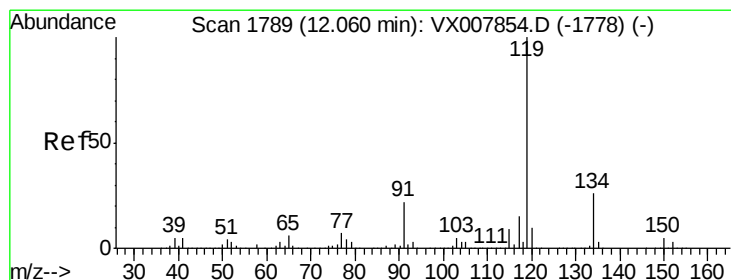
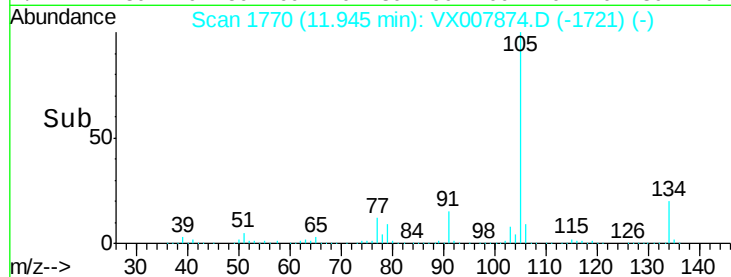
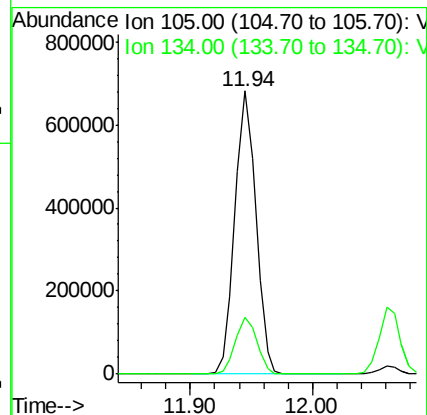
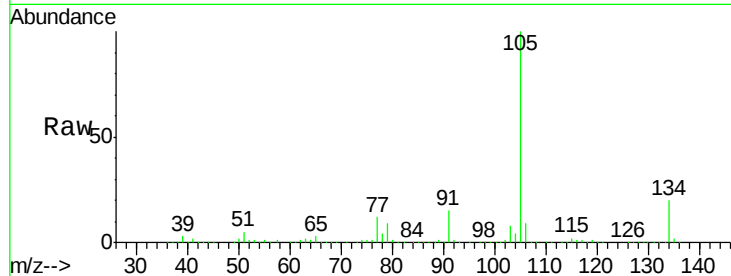
105 100

134 20.6 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 56.686 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

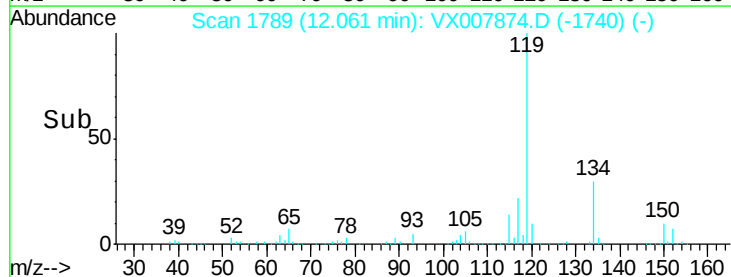
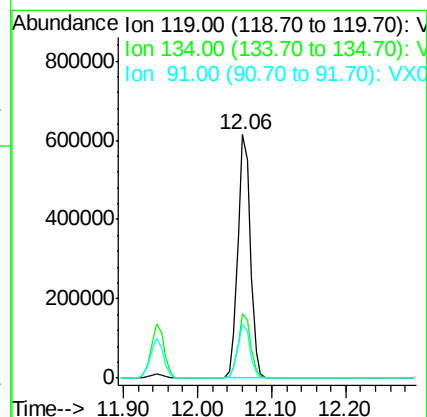
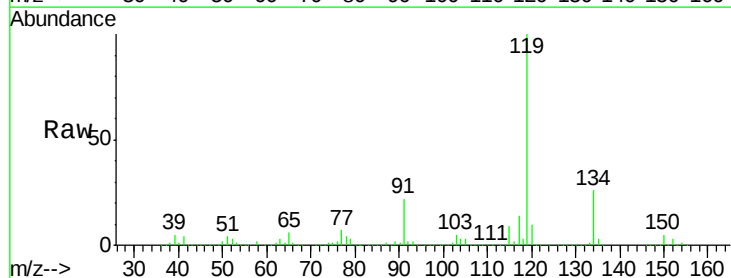
Tgt Ion:119 Resp: 729148

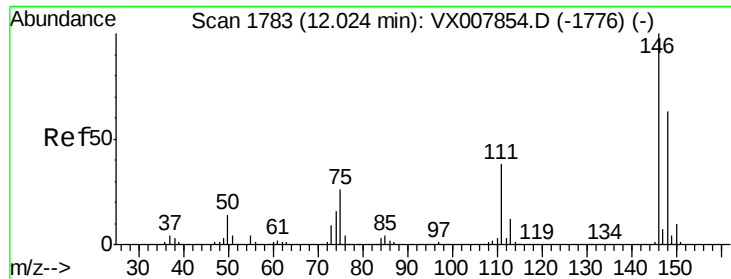
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

91 21.9 10.9 32.7





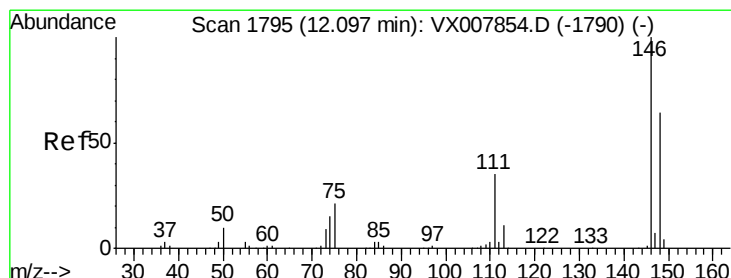
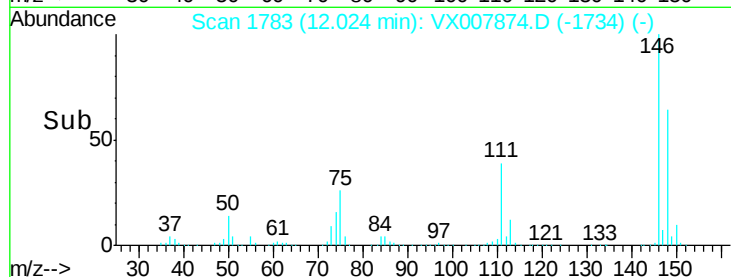
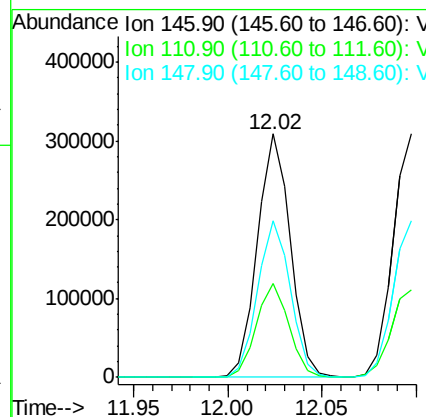
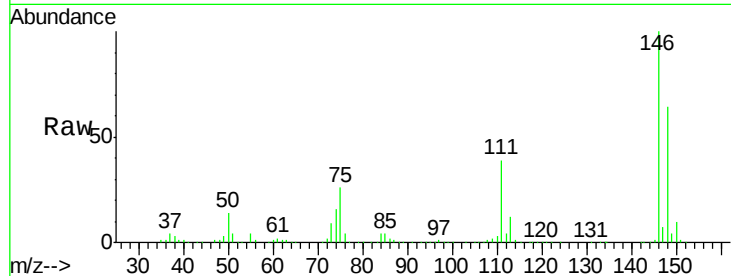
#87
 1,3-Dichlorobenzene
 Concen: 52.343 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007874.D
 Acq: 07 Mar 2019 10:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.7
148	64.3	31.7	95.1

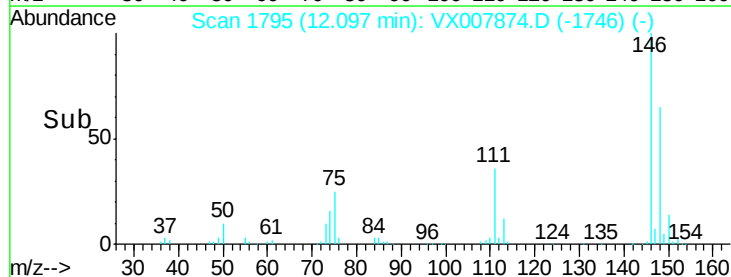
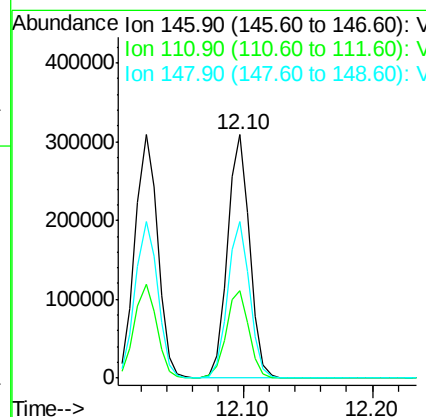
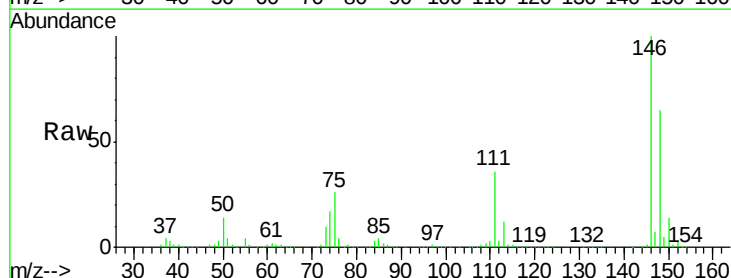
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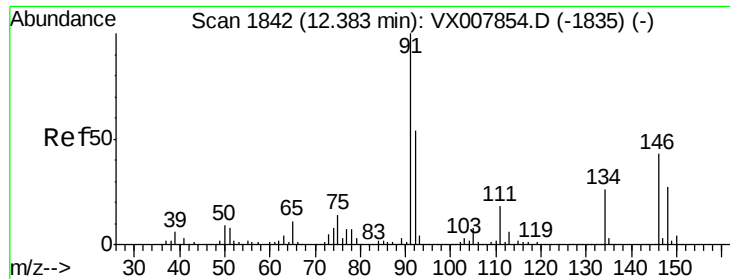
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 3/8/2019 9:40:22 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.268 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007874.D
 Acq: 07 Mar 2019 10:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.0
148	64.2	32.2	96.6





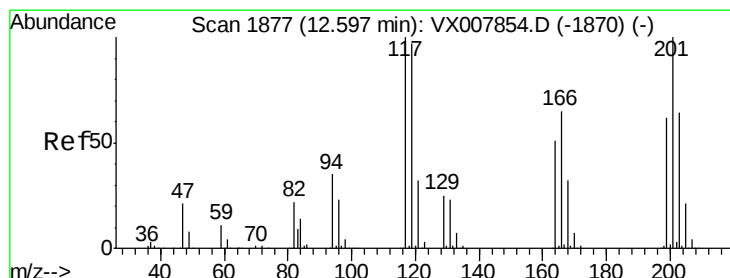
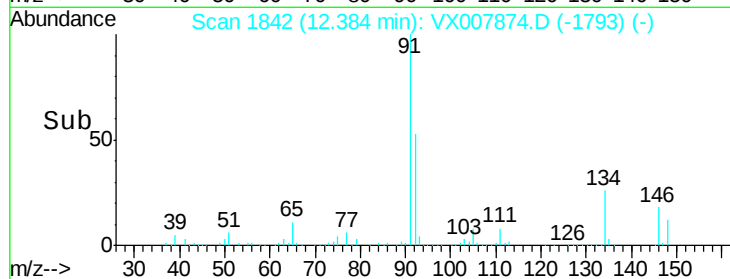
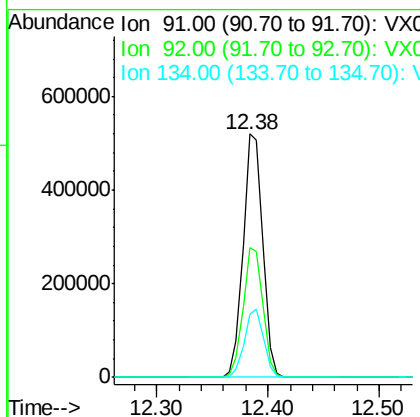
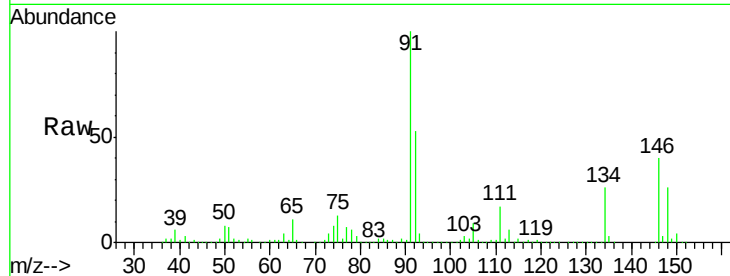
#89
n-Butylbenzene
Concen: 58.086 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.0	80.8
134	27.3	13.7	41.0

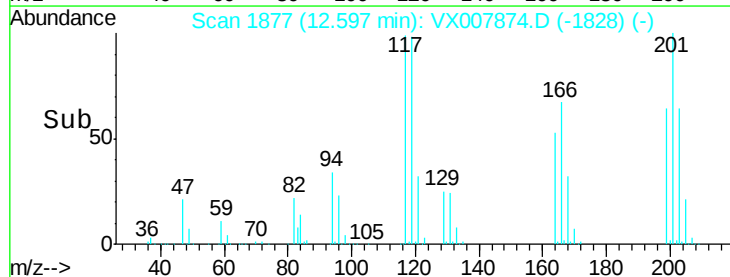
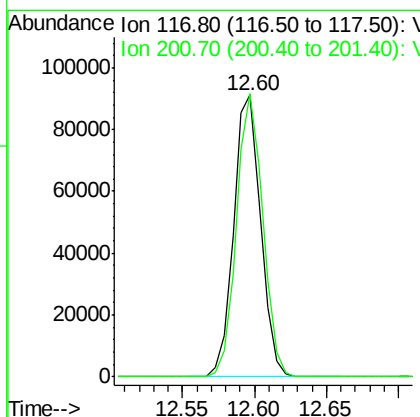
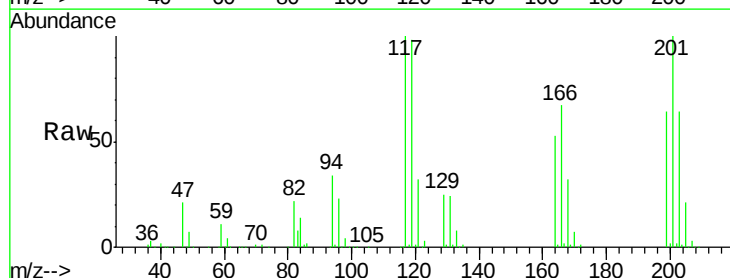
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#90
Hexachloroethane
Concen: 55.347 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.7	48.9	146.7





#91

1,2-Dichlorobenzene

Concen: 51.390 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Instrument :

MSVOA_X

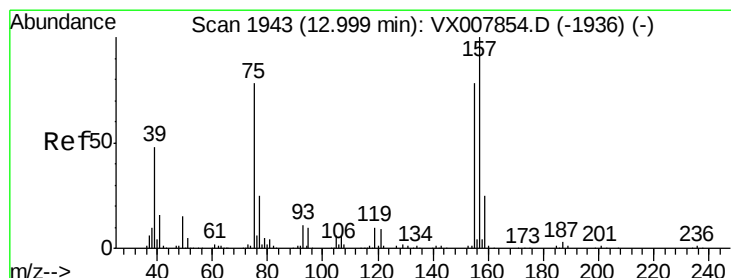
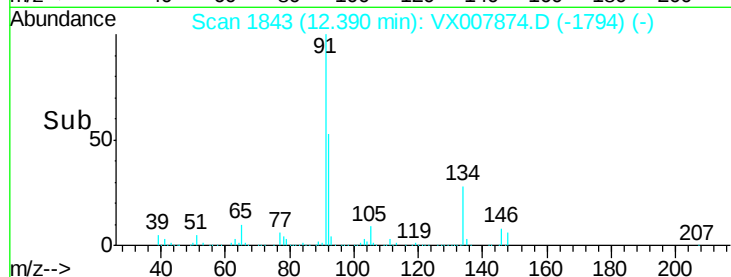
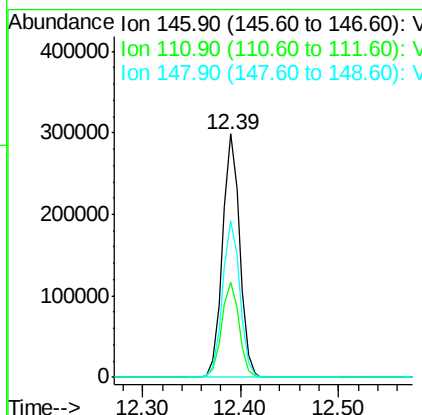
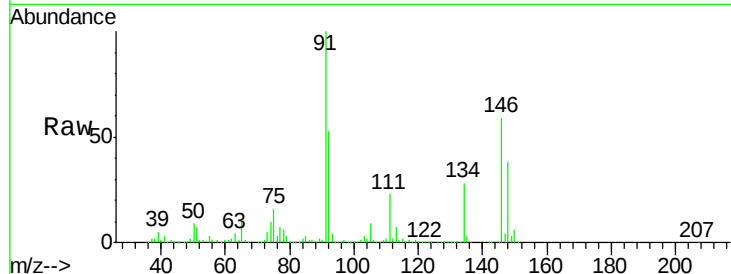
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	364241
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.6	58.8
148	64.6	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.210 ug/l

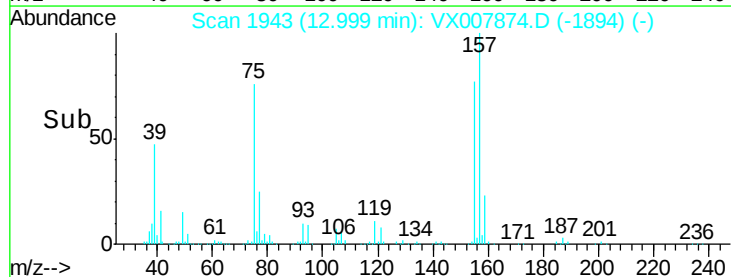
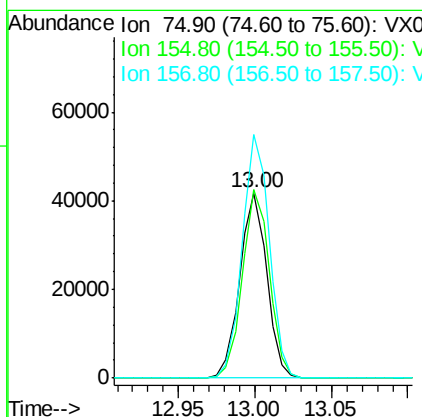
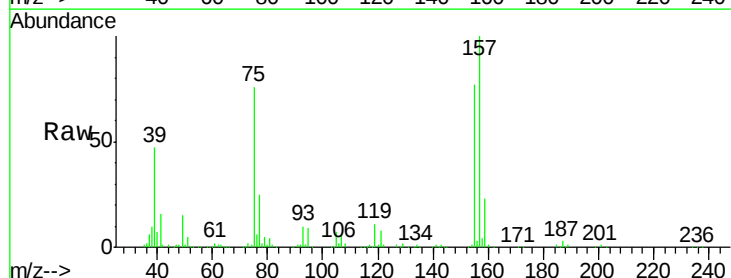
RT: 13.00 min Scan# 1943

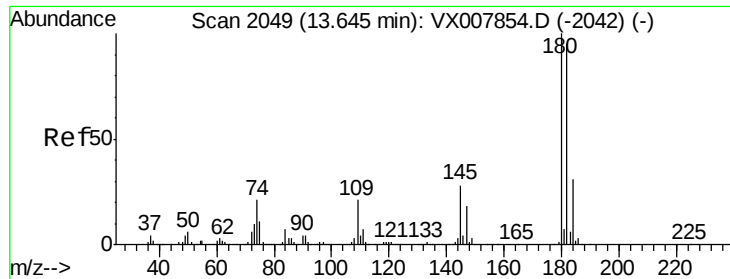
Delta R.T. 0.00 min

Lab File: VX007874.D

Acq: 07 Mar 2019 10:11

Tgt Ion:	75	Resp:	51122
Ion Ratio	Lower	Upper	
75	100		
155	101.7	49.7	149.1
157	131.7	63.8	191.4





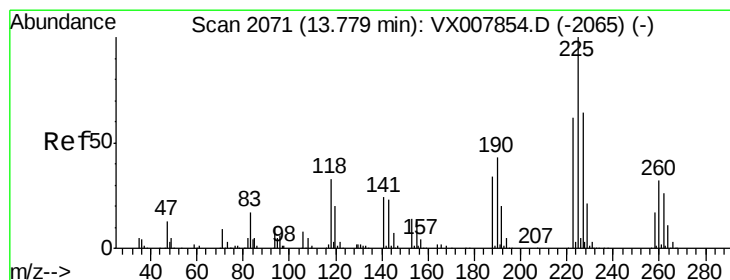
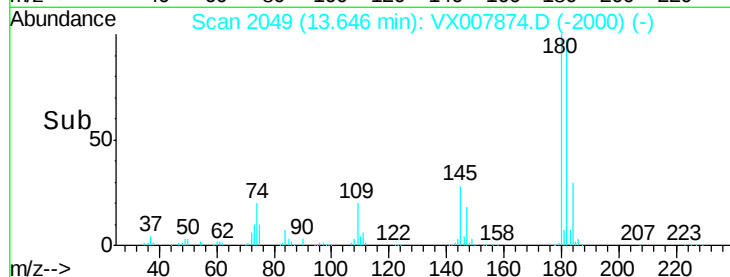
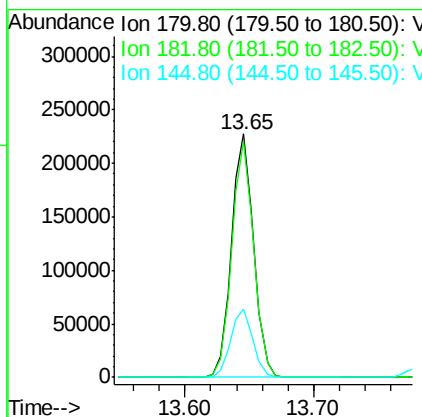
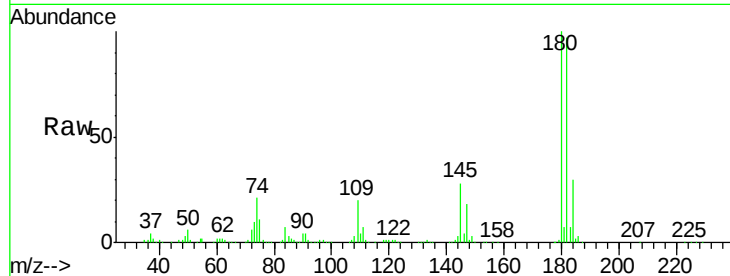
#93
 1,2,4-Trichlorobenzene
 Concen: 54.813 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007874.D
 Acq: 07 Mar 2019 10:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	272921		
182	96.1	47.9	143.7	
145	28.1	14.1	42.4	

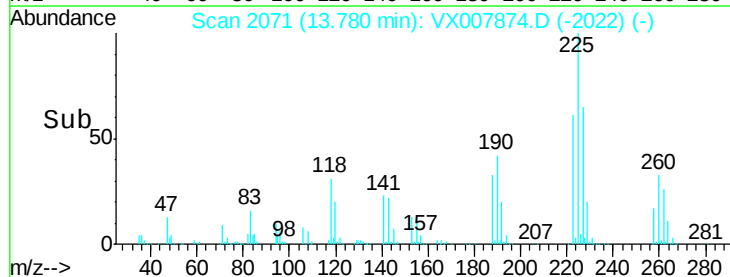
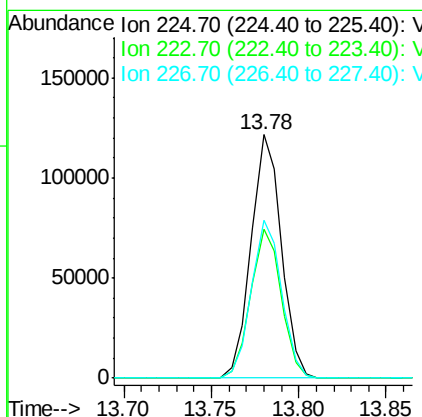
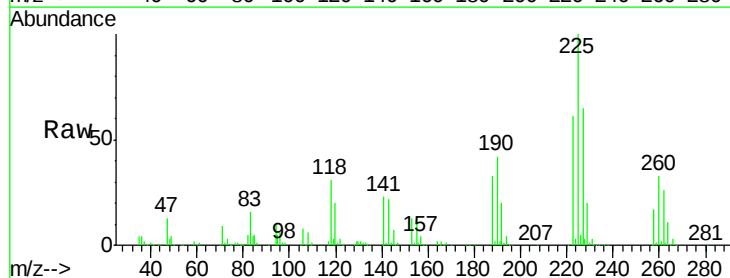
Manual Integrations
 APPROVED

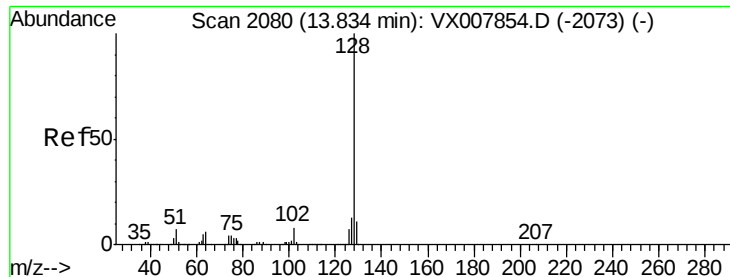
MMDadoda
 3/8/2019 9:40:22 AM



#94
 Hexachlorobutadiene
 Concen: 56.268 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007874.D
 Acq: 07 Mar 2019 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	146478		
223	61.7	31.1	93.2	
227	64.5	32.0	96.0	





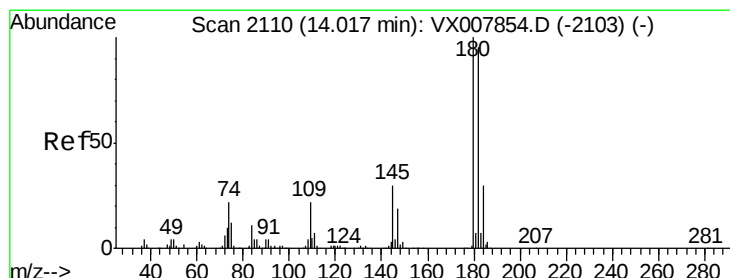
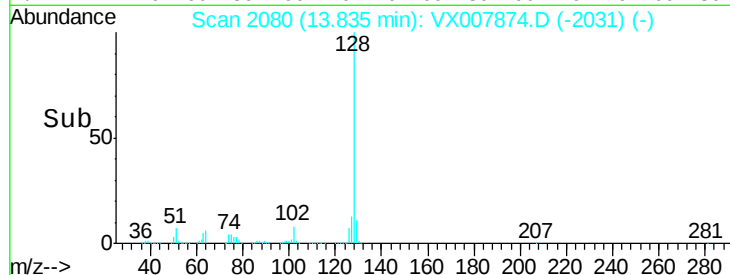
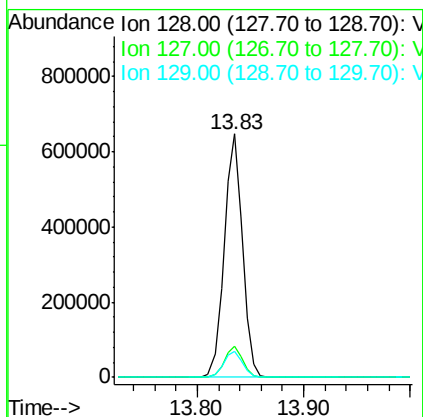
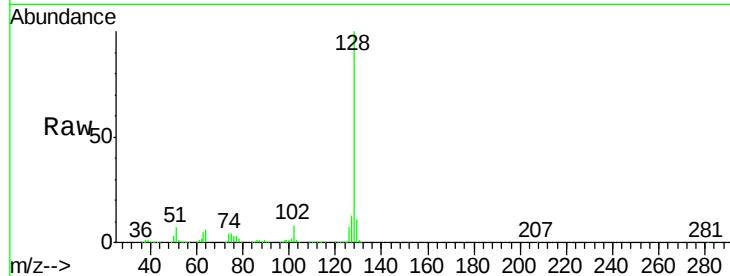
#95
Naphthalene
Concen: 53.786 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/8/2019 9:40:22 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.088 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007874.D
Acq: 07 Mar 2019 10:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.5	142.5
145	29.7	14.8	44.3

