

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041119\
 Data File : VX008859.D
 Acq On : 11 Apr 2019 18:04
 Operator : JC/SP
 Sample : K2349-13MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW139-190409MSD

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 9:46:06 AM

Quant Time: Apr 12 08:22:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	151810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	249927	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	226750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107912	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	99074	44.74	ug/l	0.00
Spiked Amount			Recovery	=	89.48%	
35) Dibromofluoromethane	5.50	113	72851	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	
50) Toluene-d8	8.71	98	294476	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	
62) 4-Bromofluorobenzene	11.13	95	108910	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	100023	57.239	ug/l	98
3) Chloromethane	1.32	50	122597	57.499	ug/l	99
4) Vinyl Chloride	1.40	62	114397	48.427	ug/l	98
5) Bromomethane	1.64	94	65682	56.201	ug/l	98
6) Chloroethane	1.71	64	66990	52.051	ug/l	100
7) Trichlorofluoromethane	1.92	101	125329	47.995	ug/l	98
8) Diethyl Ether	2.18	74	56172	45.361	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	78480	46.680	ug/l	98
10) Methyl Iodide	2.51	142	93466	60.158	ug/l	99
11) Tert butyl alcohol	3.05	59	122536	236.382	ug/l	99
12) 1,1-Dichloroethene	2.37	96	82718	47.131	ug/l	97
13) Acrolein	2.29	56	80182	311.943	ug/l	99
14) Allyl chloride	2.73	41	195605	48.685	ug/l	98
15) Acrylonitrile	3.14	53	324829	236.535	ug/l	100
16) Acetone	2.44	43	270675	212.238	ug/l	97
17) Carbon Disulfide	2.57	76	249084	49.134	ug/l	99
18) Methyl Acetate	2.77	43	136996	44.291	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	308811	49.270	ug/l	100
20) Methylene Chloride	2.85	84	97830	45.827	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	89448	47.118	ug/l	93
22) Diisopropyl ether	3.85	45	370384	47.829	ug/l	94
23) Vinyl Acetate	3.81	43	1657704	246.072	ug/l	99
24) 1,1-Dichloroethane	3.70	63	181500	47.339	ug/l	99
25) 2-Butanone	4.67	43	475178	235.738	ug/l	97
26) 2,2-Dichloropropane	4.59	77	123732	45.820	ug/l	89
27) cis-1,2-Dichloroethene	4.59	96	267326	122.480	ug/l	93
28) Bromochloromethane	5.01	49	84571	52.985	ug/l	100
29) Tetrahydrofuran	5.13	42	315291	235.666	ug/l	99
30) Chloroform	5.21	83	162581	47.476	ug/l	98
31) Cyclohexane	5.58	56	177619	46.428	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	135180	48.849	ug/l	100
36) 1,1-Dichloropropene	5.80	75	128146	46.906	ug/l	99
37) Ethyl Acetate	4.83	43	178314	48.899	ug/l	99
38) Carbon Tetrachloride	5.78	117	111860	49.471	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	156757	46.449	ug/l	98
40) Benzene	6.14	78	397659	48.860	ug/l	99
41) Methacrylonitrile	5.04	41	104819	50.007	ug/l	98
42) 1,2-Dichloroethane	6.19	62	140316	48.090	ug/l	99
43) Isopropyl Acetate	6.45	43	281737	49.320	ug/l	99
44) Trichloroethene	7.21	130	121110	63.891	ug/l	97
45) 1,2-Dichloropropane	7.51	63	111578	48.032	ug/l	99
46) Dibromomethane	7.66	93	63621	47.221	ug/l	98
47) Bromodichloromethane	7.90	83	126359	49.741	ug/l	98
48) Methyl methacrylate	7.77	41	145524	50.361	ug/l	99
49) 1,4-Dioxane	7.74	88	47575	878.893	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	950238	258.408	ug/l	100
52) Toluene	8.78	92	237471	49.491	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	145971	51.297	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	161876	49.785	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	94343	48.983	ug/l	99
56) Ethyl methacrylate	9.18	69	179490	51.506	ug/l	100
57) 1,3-Dichloropropane	9.37	76	169913	49.129	ug/l	100
59) 2-Hexanone	9.49	43	725121	253.736	ug/l	99
60) Dibromochloromethane	9.58	129	93290	51.401	ug/l	100
61) 1,2-Dibromoethane	9.67	107	97744	48.748	ug/l	99
64) Tetrachloroethene	9.34	164	320413	190.724	ug/l	99
65) Chlorobenzene	10.13	112	242813	48.308	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	85391	48.426	ug/l	98
67) Ethyl Benzene	10.25	91	452374	48.266	ug/l	99
68) m/p-Xylenes	10.36	106	331474	98.363	ug/l	98
69) o-Xylene	10.69	106	161500	49.452	ug/l	98
70) Stvrene	10.71	104	283788	50.411	ug/l	99
71) Bromoform	10.85	173	68903	51.163	ug/l #	99
73) Isopropylbenzene	11.02	105	427073	47.755	ug/l	100
74) N-amyl acetate	10.90	43	254108	48.295	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	156429	45.993	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	135348m	45.657	ug/l	
77) Bromobenzene	11.26	156	104778	48.736	ug/l	97
78) n-propylbenzene	11.36	91	495645	47.599	ug/l	100
79) 2-Chlorotoluene	11.42	91	296196	47.004	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	358316	47.732	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	53008	49.291	ug/l	99
82) 4-Chlorotoluene	11.51	91	340015	46.615	ug/l	98
83) tert-Butylbenzene	11.77	119	341955	47.348	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	362648	47.709	ug/l	100
85) sec-Butylbenzene	11.94	105	411563	47.975	ug/l	99
86) p-Isopropyltoluene	12.06	119	373779	48.544	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	183755	47.743	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	183240	47.016	ug/l	99
89) n-Butylbenzene	12.38	91	343796	47.611	ug/l	99
90) Hexachloroethane	12.60	117	61943	48.504	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	183089	47.912	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34584	46.223	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	128002	48.176	ug/l	98

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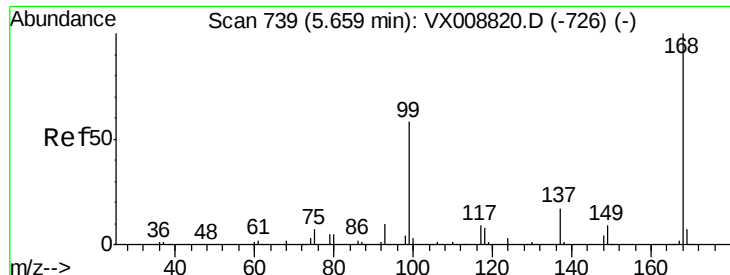
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	64209	50.390	ug/l	100
95) Naphthalene	13.83	128	422240	47.548	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	128272	48.319	ug/l	99

(#) = 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. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

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ClientSampleId :

KY062MW139-190409MSD

Tot Ion:168 Resp: 151810

Ion Ratio Lower Upper

168 100

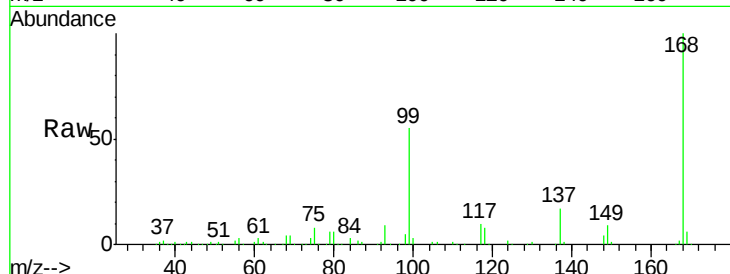
99 54.4 46.7 70.1

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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

60000

50000

40000

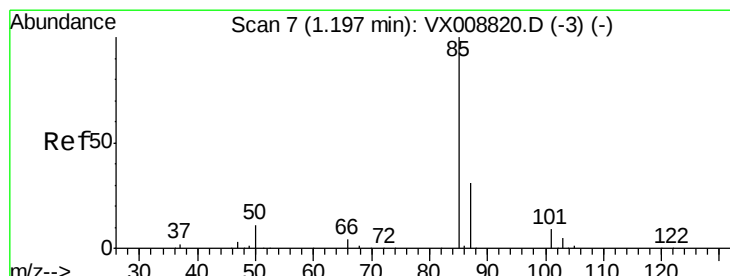
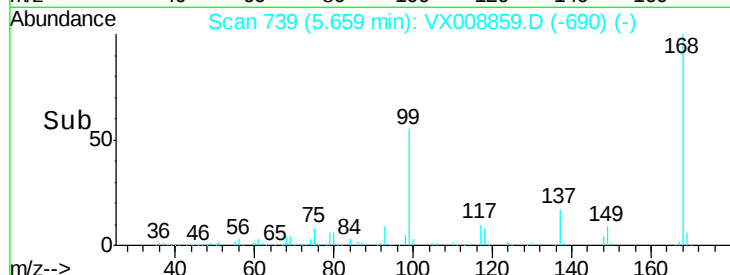
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 57.239 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008859.D

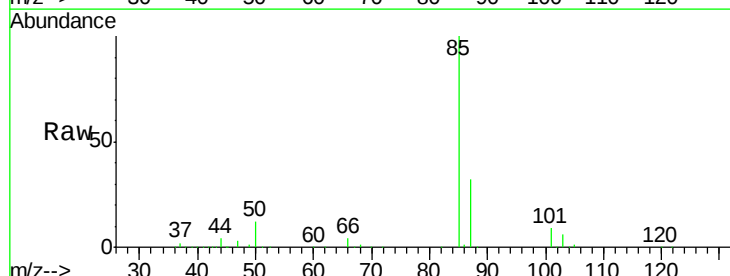
Acq: 11 Apr 2019 18:04

Tgt Ion: 85 Resp: 100023

Ion Ratio Lower Upper

85 100

87 32.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

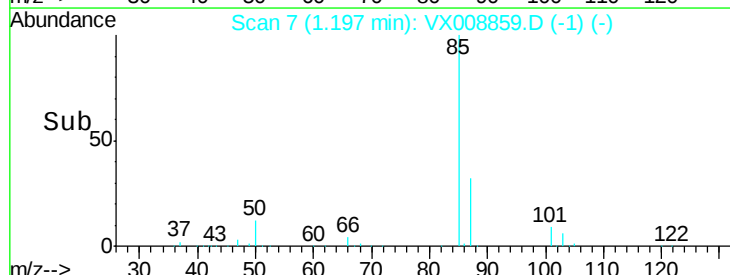
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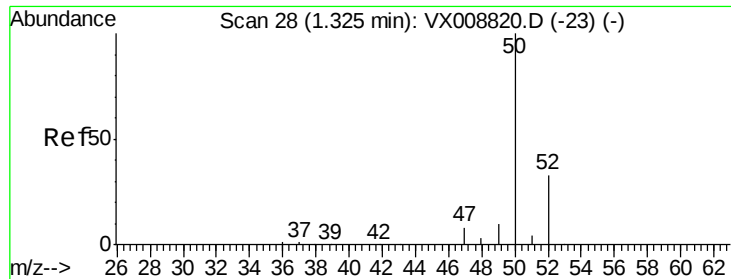
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20000

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Time-->





#3

Chloromethane

Concen: 57.499 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Tot Ion: 50 Resp: 122597

Ion Ratio Lower Upper

50 100

52 32.7 25.8 38.8

Instrument :

MSVOA_X

ClientSampleId :

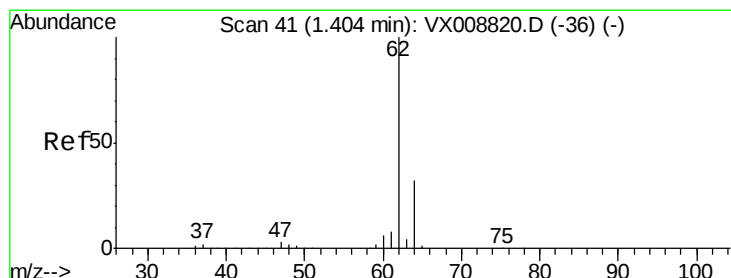
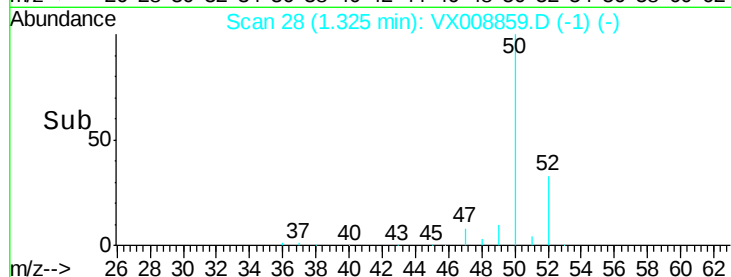
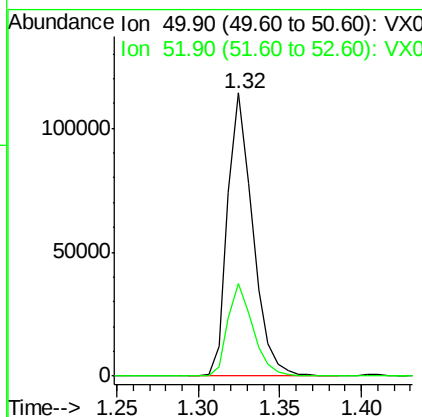
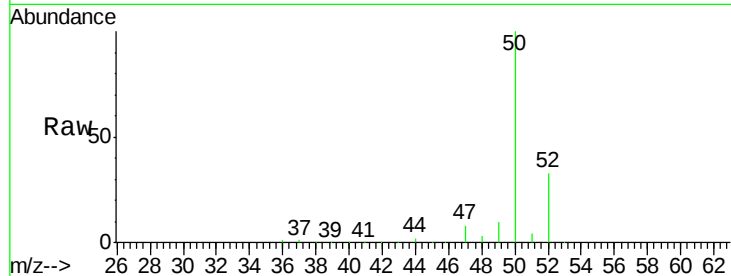
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#4

Vinyl Chloride

Concen: 48.427 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008859.D

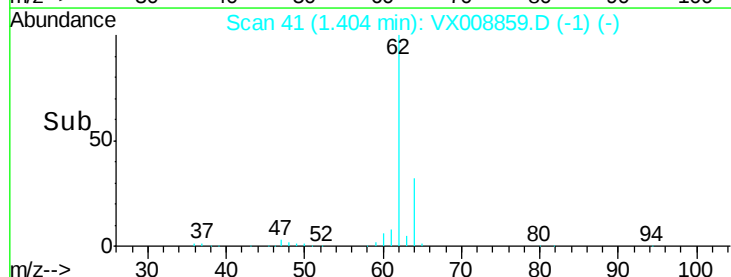
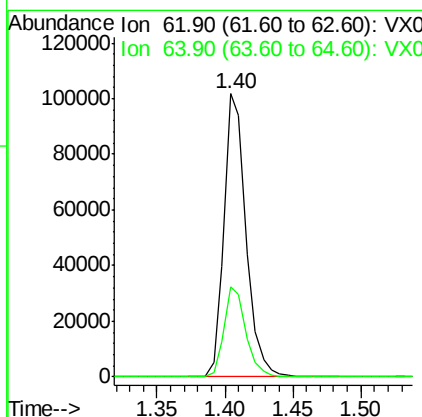
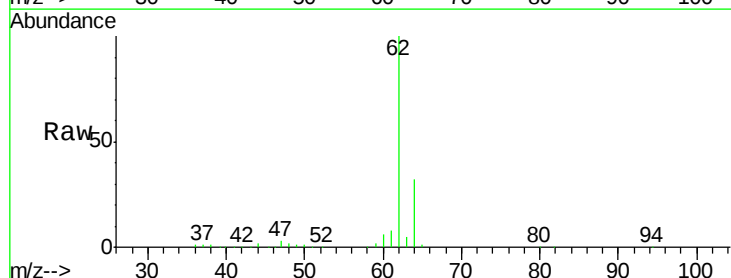
Acq: 11 Apr 2019 18:04

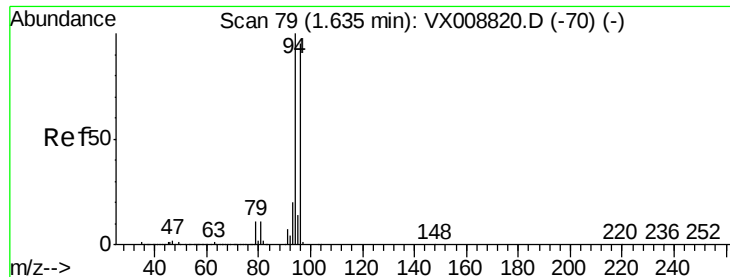
Tgt Ion: 62 Resp: 114397

Ion Ratio Lower Upper

62 100

64 31.9 24.7 37.1





#5

Bromomethane

Concen: 56.201 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Tot Ion: 94 Resp: 65682

Ion Ratio Lower Upper

94 100

96 92.4 75.2 112.8

Instrument :

MSVOA_X

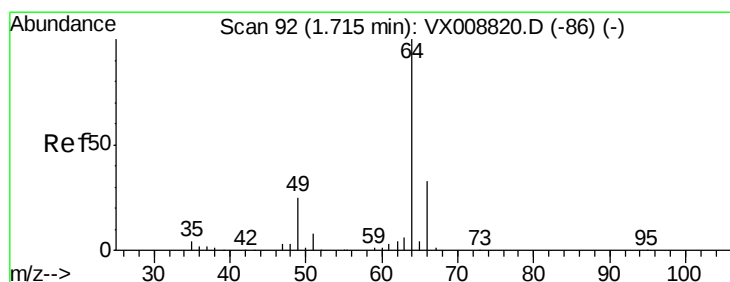
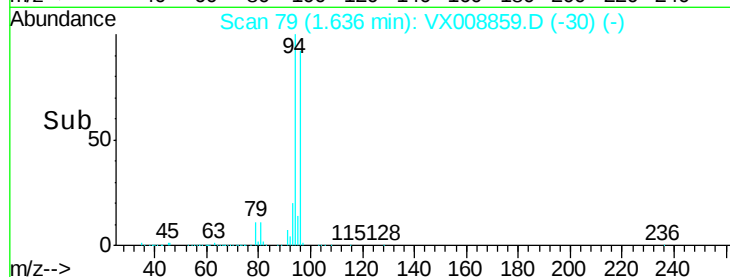
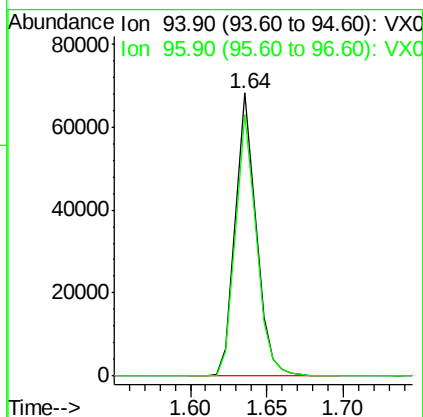
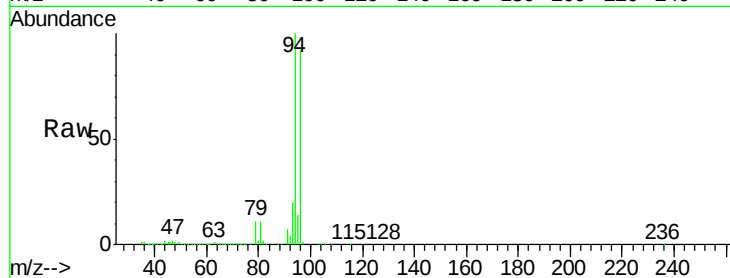
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#6

Chloroethane

Concen: 52.051 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008859.D

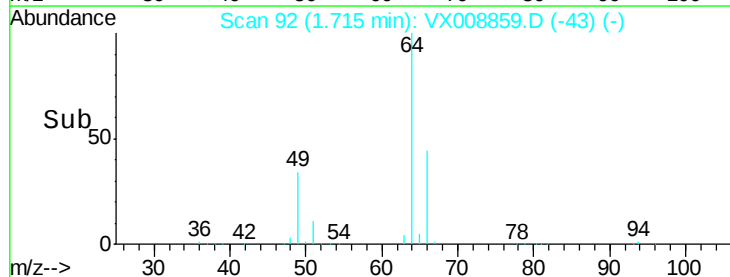
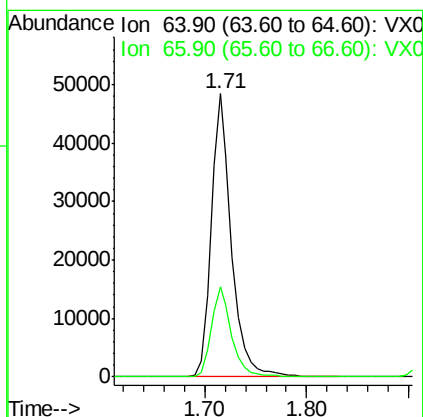
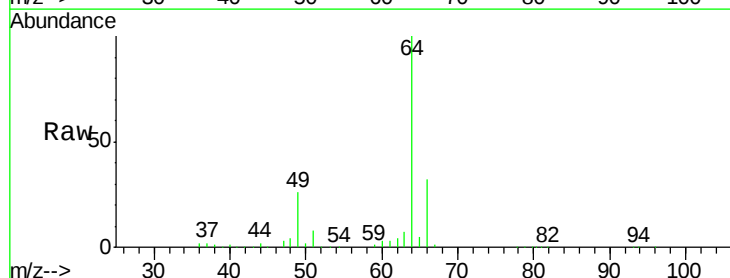
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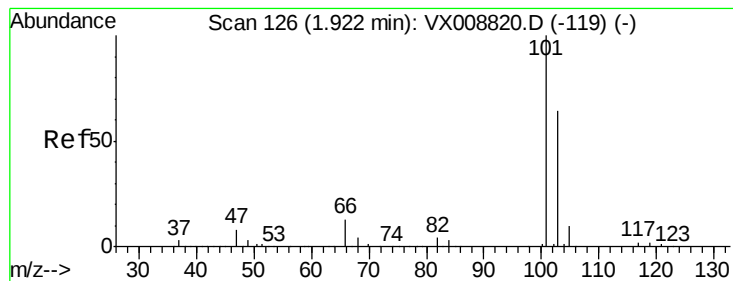
Tgt Ion: 64 Resp: 66990

Ion Ratio Lower Upper

64 100

66 31.9 25.4 38.0





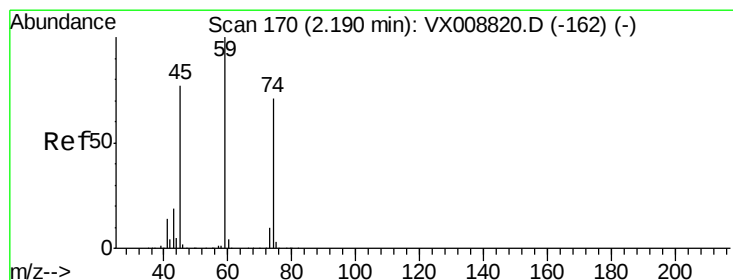
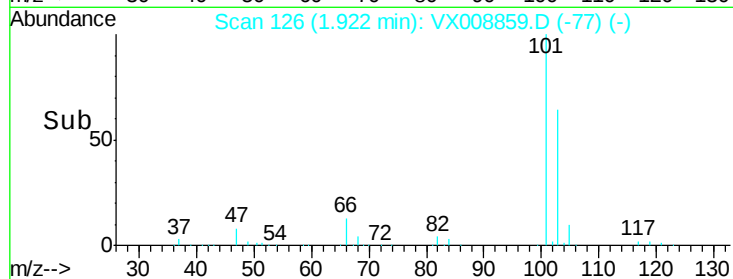
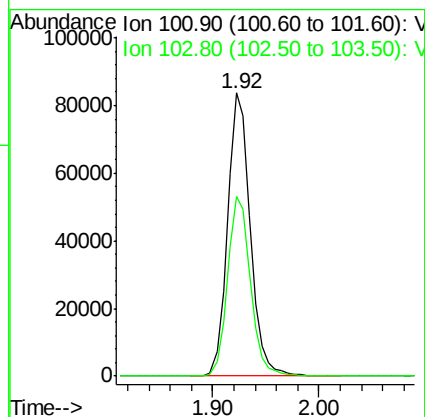
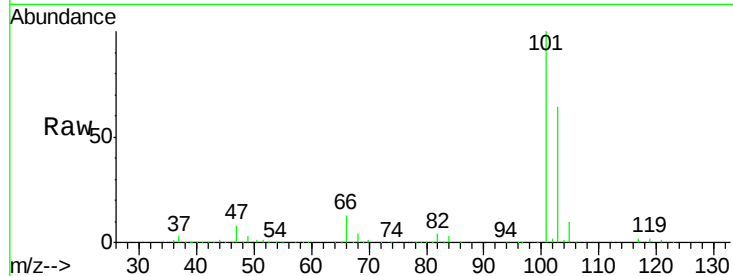
#7
 Trichlorofluoromethane
 Concen: 47.995 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW139-190409MSD

Tot Ion:101 Resp: 125329
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.3 78.5

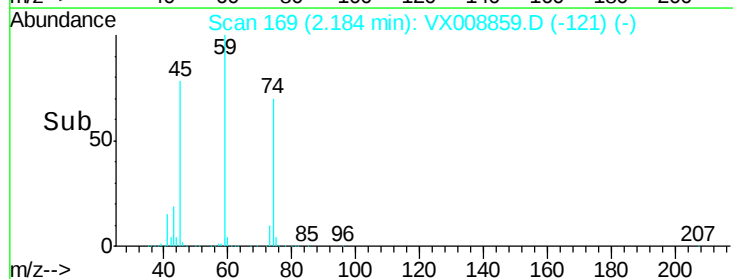
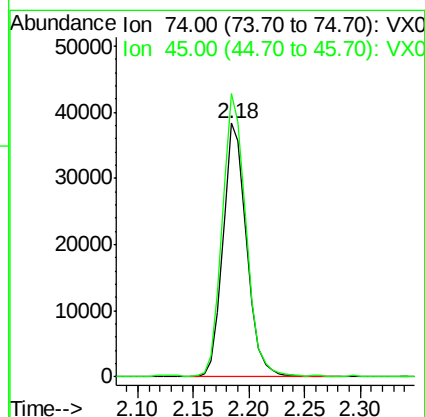
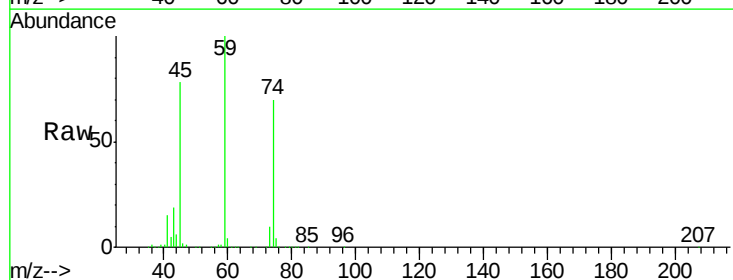
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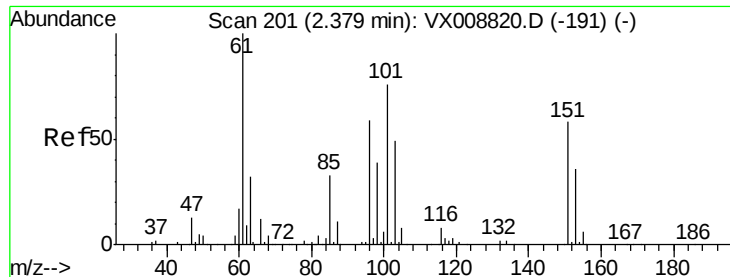
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 4/12/2019 9:46:06 AM



#8
 Diethyl Ether
 Concen: 45.361 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Tgt Ion: 74 Resp: 56172
 Ion Ratio Lower Upper
 74 100
 45 111.6 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.680 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

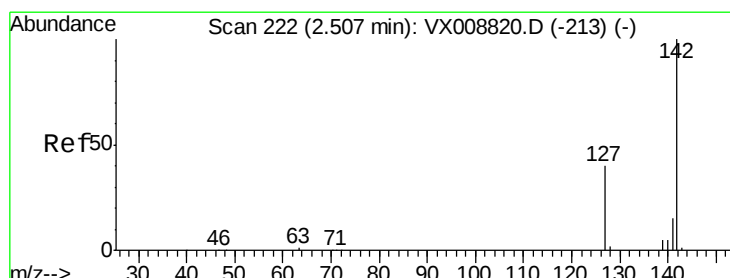
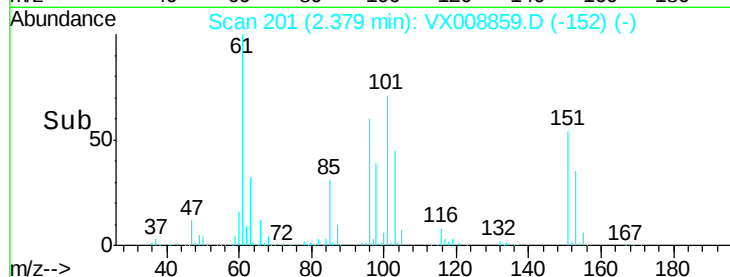
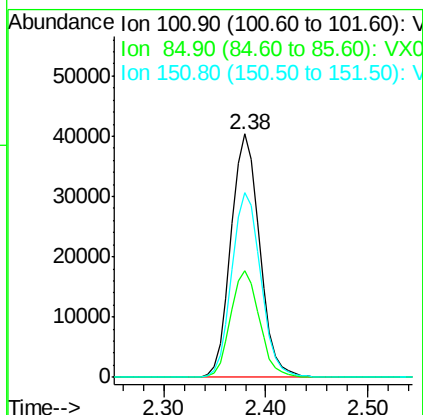
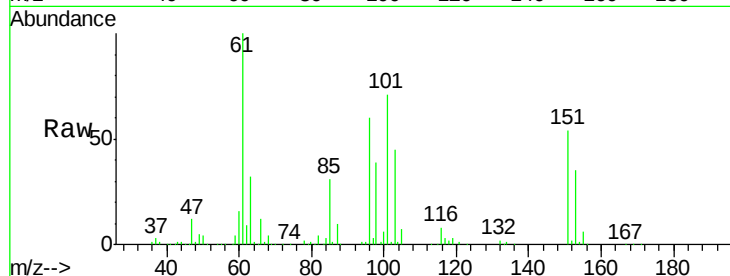
ClientSampleId :

KY062MW139-190409MSD

Tot Ion:	101	Resp:	78480
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.0	54.0
151	77.1	59.9	89.9

Manual Integrations
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MMDadoda
4/12/2019 9:46:06 AM



#10

Methyl Iodide

Concen: 60.158 ug/l

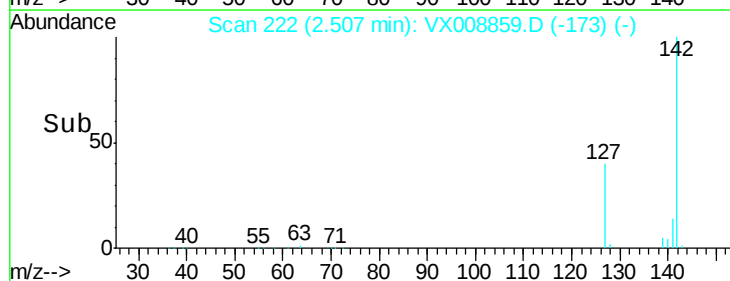
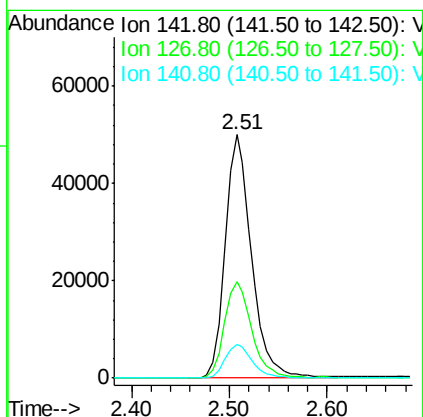
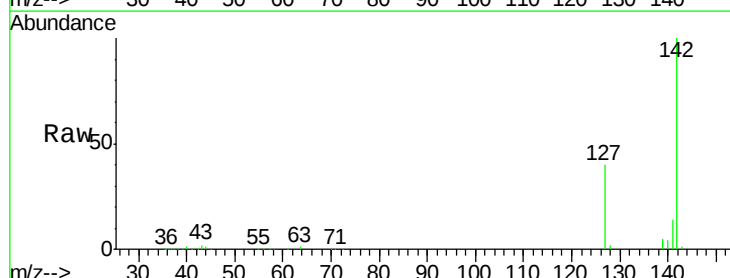
RT: 2.51 min Scan# 222

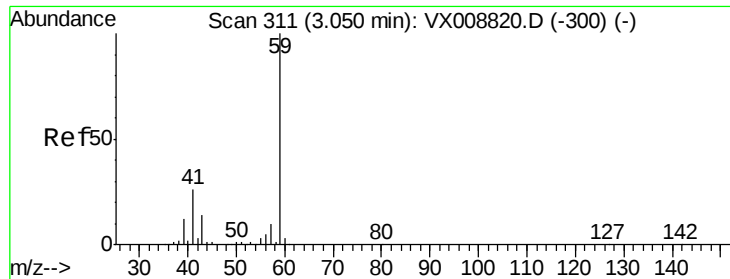
Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Tgt Ion:	142	Resp:	93466
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.0	49.6
141	14.4	11.4	17.2





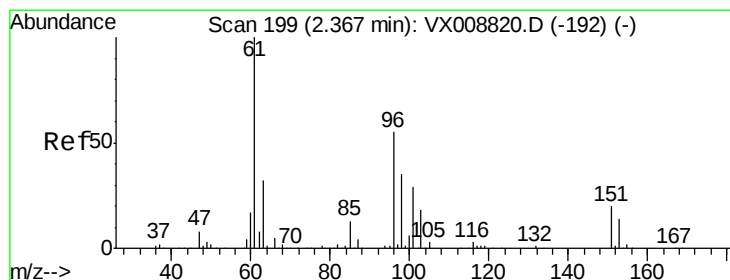
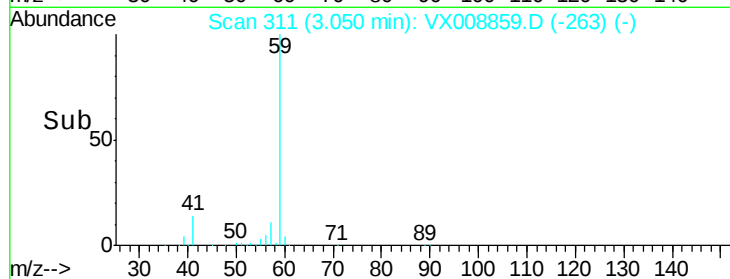
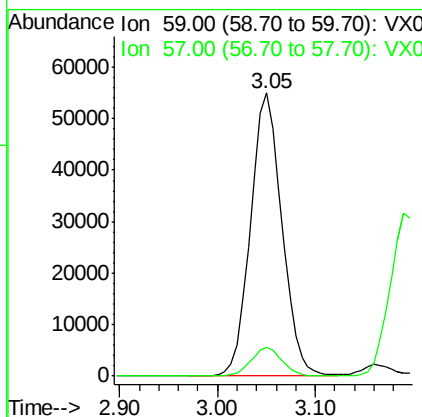
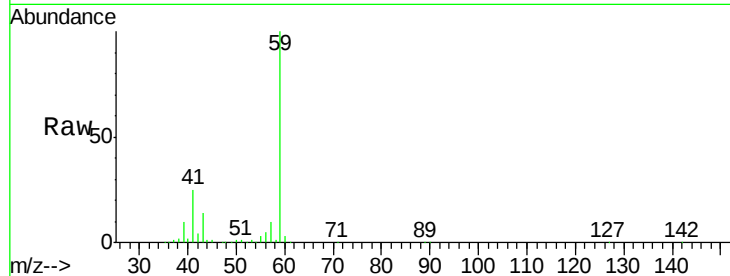
#11
Tert butyl alcohol
Concen: 236.382 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.01 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-190409MSD

Tot Ion	59	Resp	122536
Ion Ratio	100	Lower	Upper
57	10.2	8.3	12.5

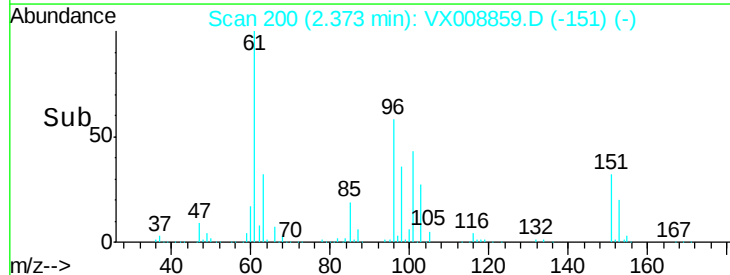
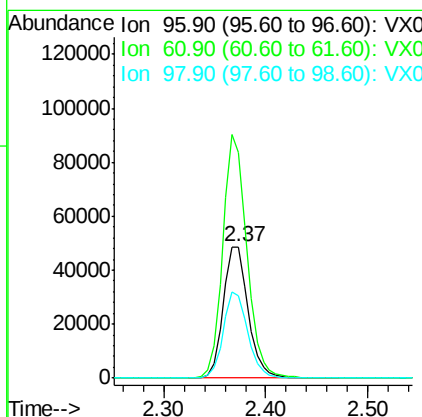
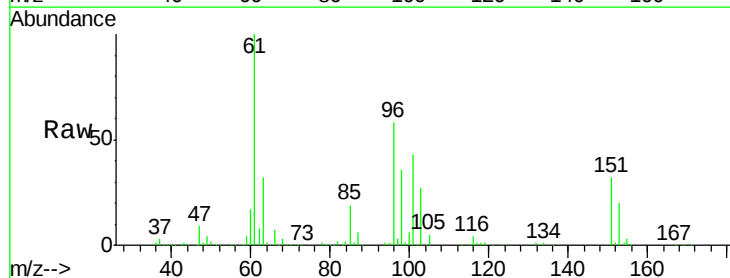
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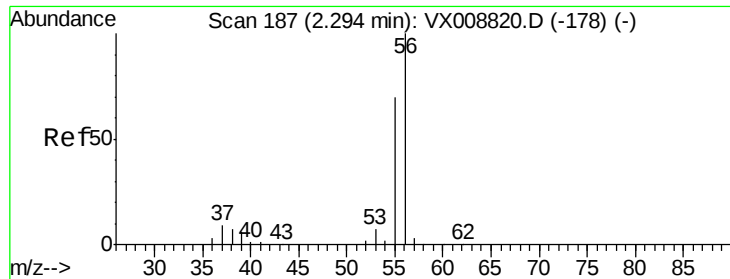
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#12
1,1-Dichloroethene
Concen: 47.131 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Tgt Ion	96	Resp	82718
Ion Ratio	100	Lower	Upper
61	171.7	140.9	211.3
98	62.3	52.1	78.1





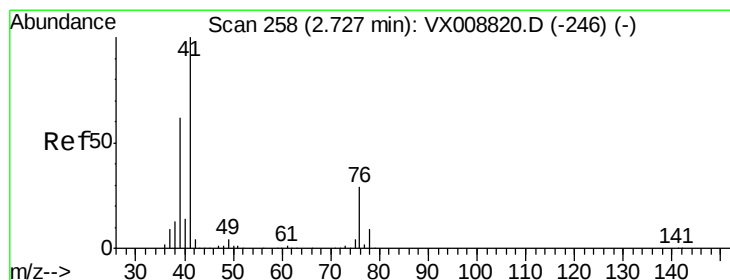
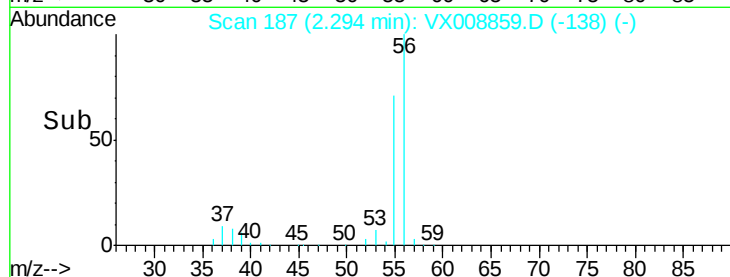
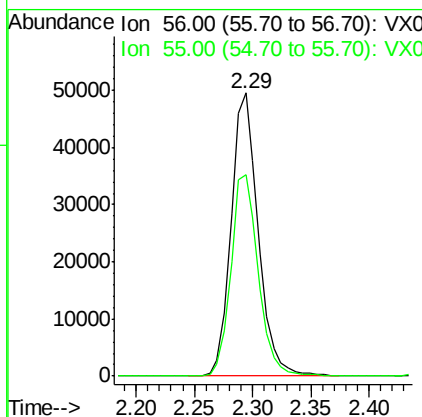
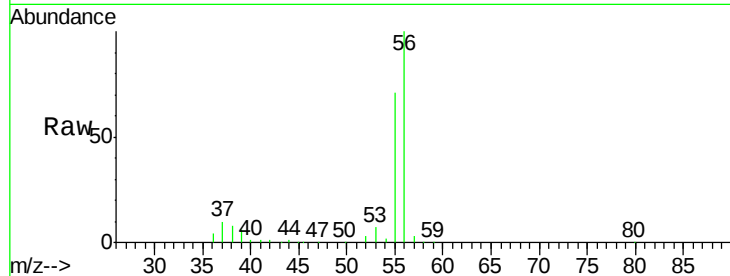
#13
Acrolein
Concen: 311.943 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-190409MSD

Tot Ion	56	55	Ratio	100	71.9	Resp	80182	Lower	58.0	Upper	87.0
Ion											

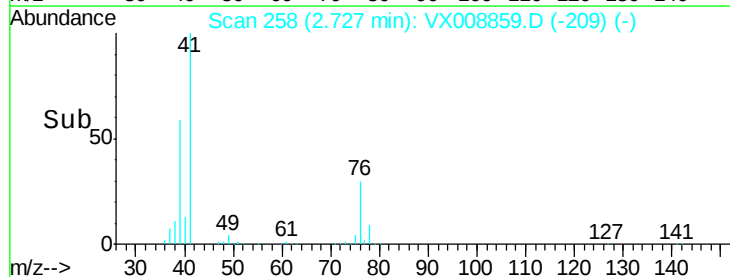
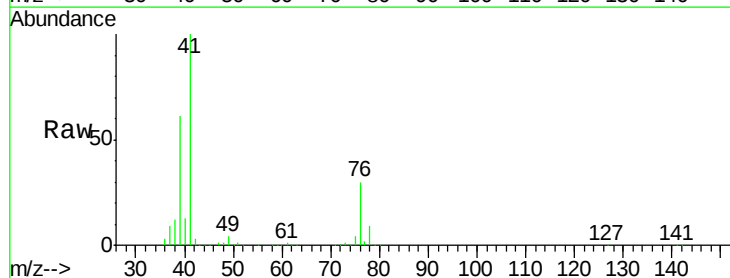
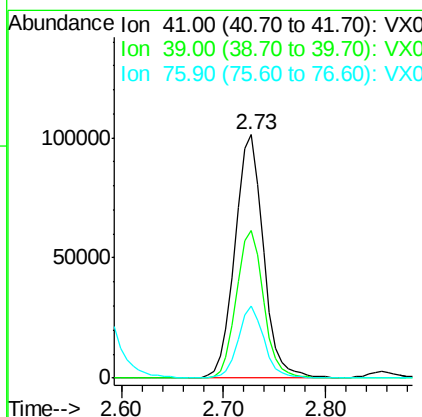
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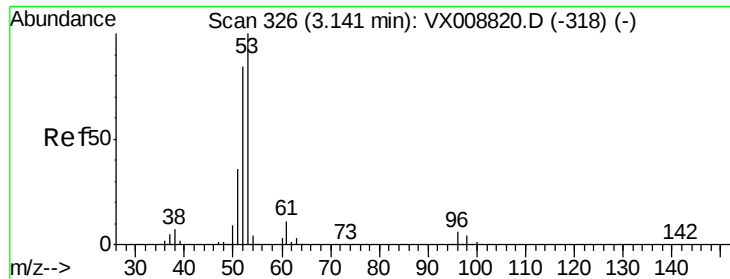
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#14
Allyl chloride
Concen: 48.685 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Tgt Ion	41	39	76	Ratio	100	57.8	26.8	Resp	195605	Lower	48.0	22.0	Upper	72.0	33.0
Ion															





#15

Acrylonitrile

Concen: 236.535 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

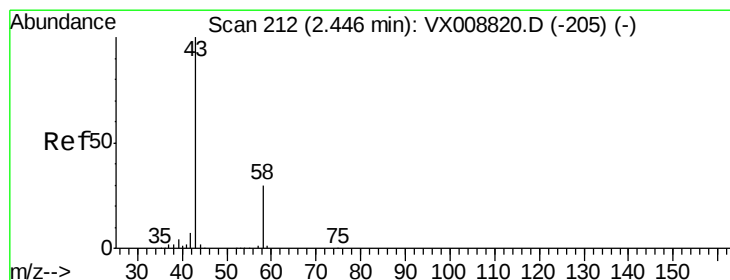
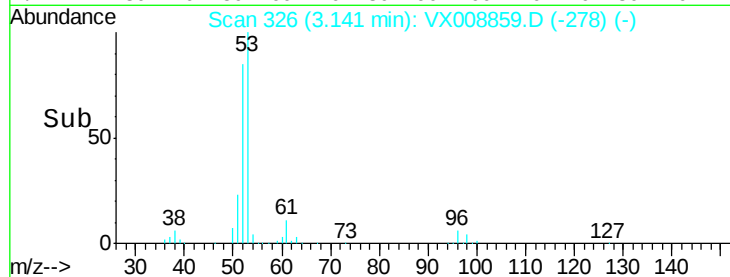
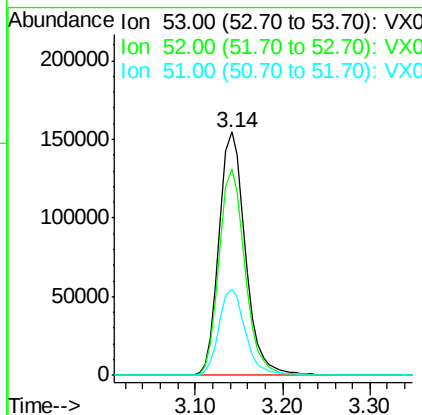
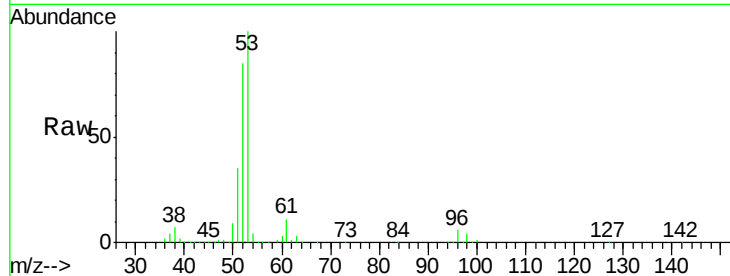
ClientSampleId :

KY062MW139-190409MSD

Tot Ion:	53	Resp:	324829
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.5	99.7
51	35.6	28.6	42.8

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#16

Acetone

Concen: 212.238 ug/l

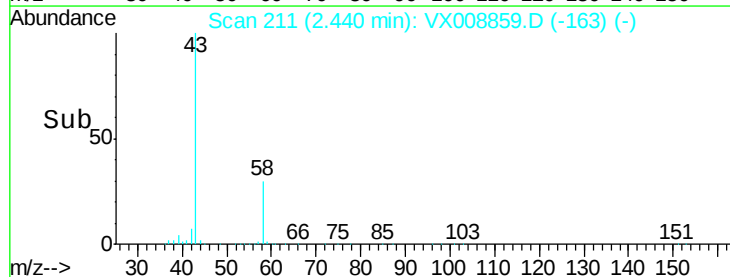
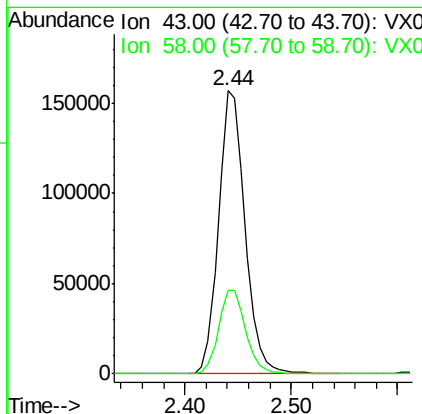
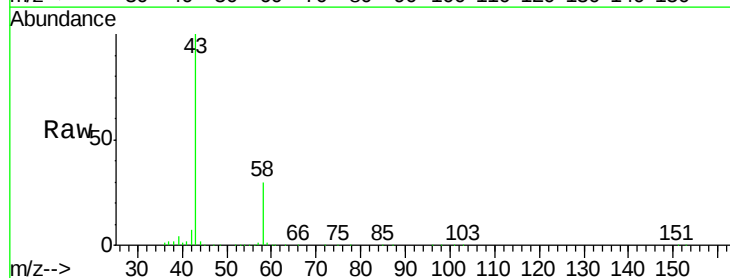
RT: 2.44 min Scan# 211

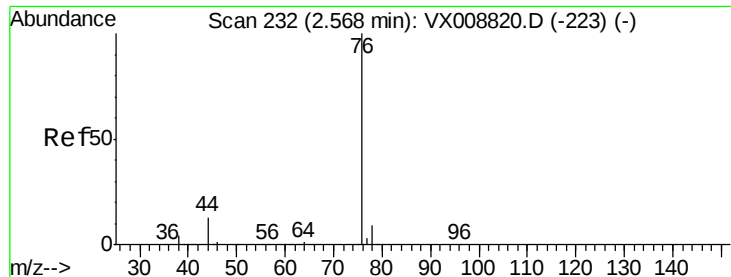
Delta R.T. -0.01 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Tgt Ion:	43	Resp:	270675
Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.8	37.2





#17

Carbon Disulfide

Concen: 49.134 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-190409MSD

Tot Ion: 76 Resp: 249084

Ion Ratio Lower Upper

76 100

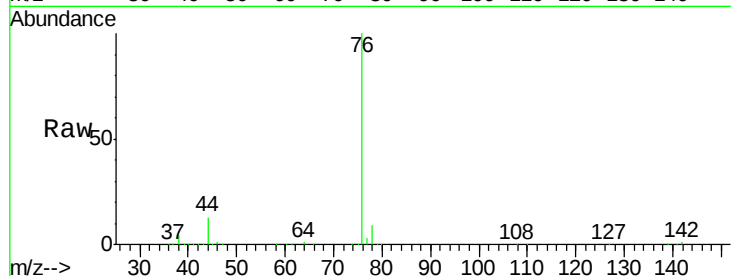
78 9.2 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

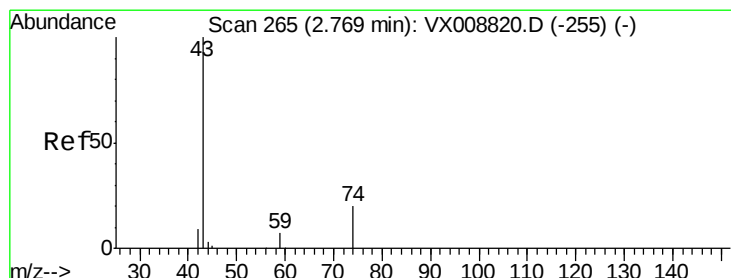
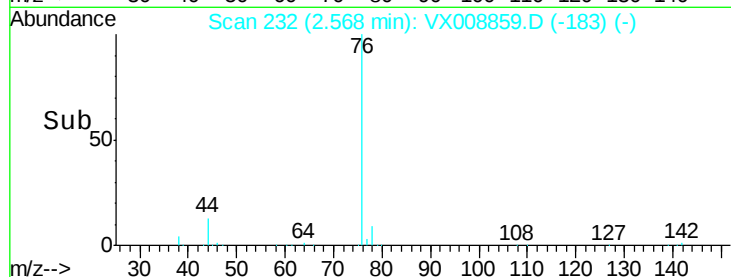
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 44.291 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX008859.D

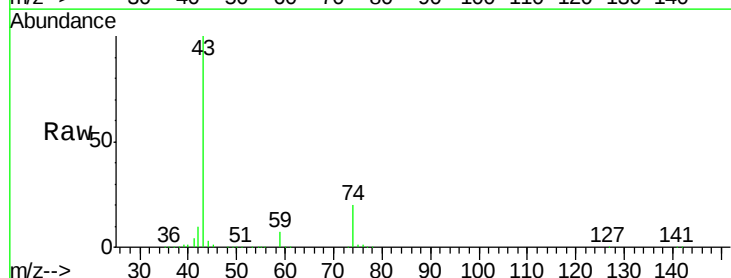
Acq: 11 Apr 2019 18:04

Tgt Ion: 43 Resp: 136996

Ion Ratio Lower Upper

43 100

74 20.8 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

80000

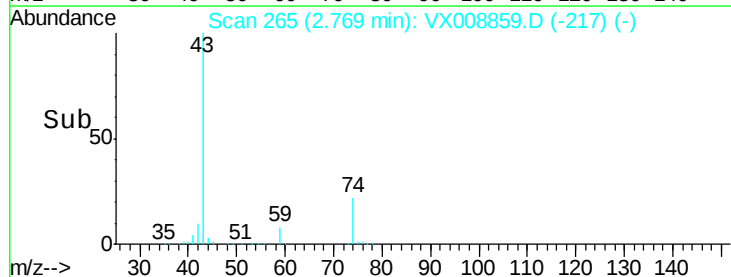
60000

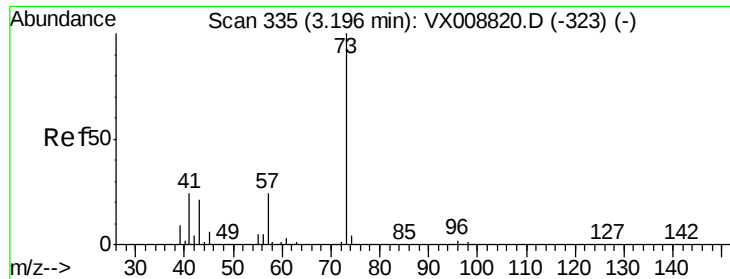
40000

20000

0

Time-->





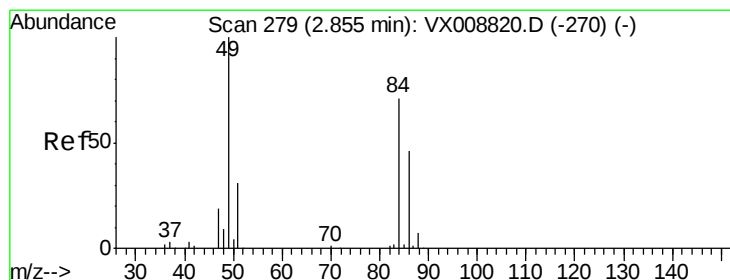
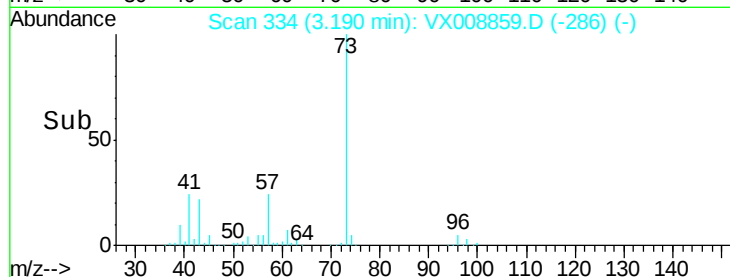
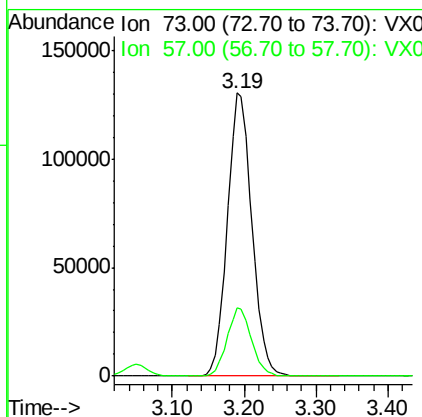
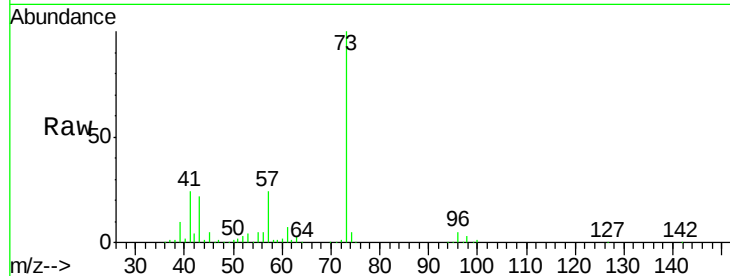
#19
Methyl tert-butyl Ether
Concen: 49.270 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-190409MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.5	29.3

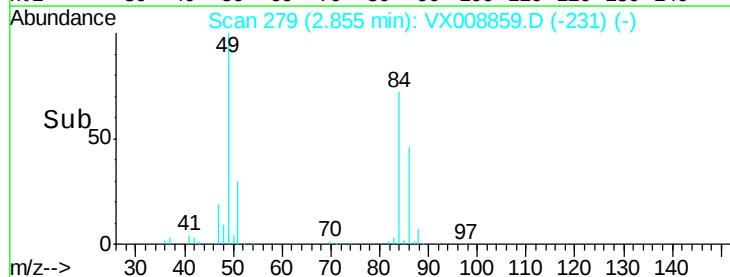
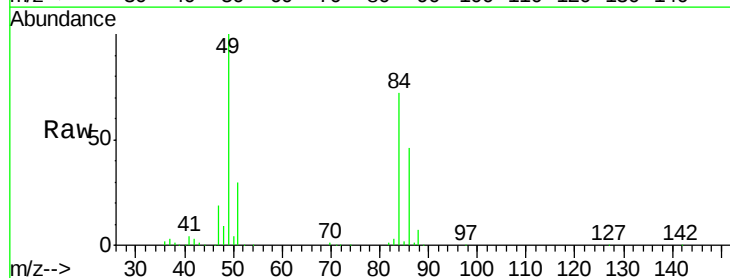
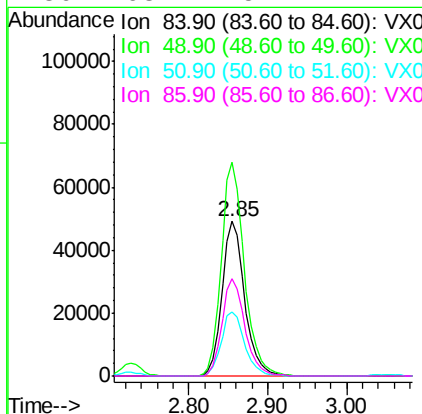
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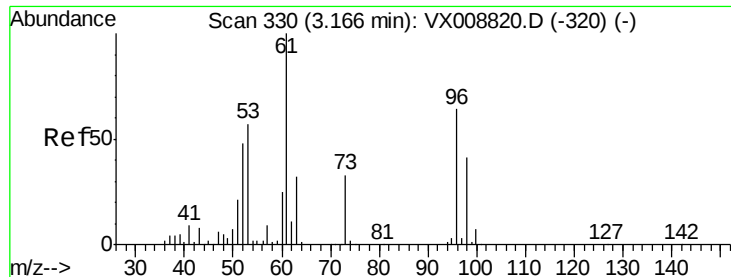
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#20
Methylene Chloride
Concen: 45.827 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.3	109.7	164.5
51	41.9	33.6	50.4
86	63.4	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 47.118 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-190409MSD

Tot Ion: 96 Resp: 89448

Ion Ratio Lower Upper

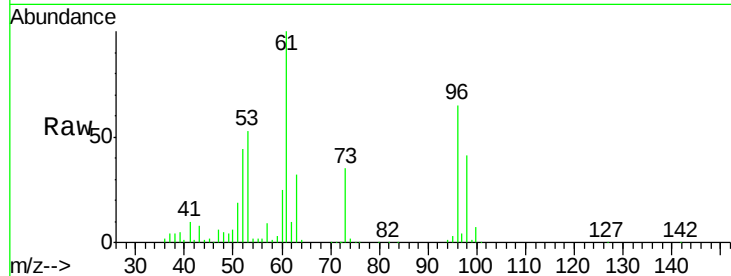
96 100

61 153.4 132.1 198.1

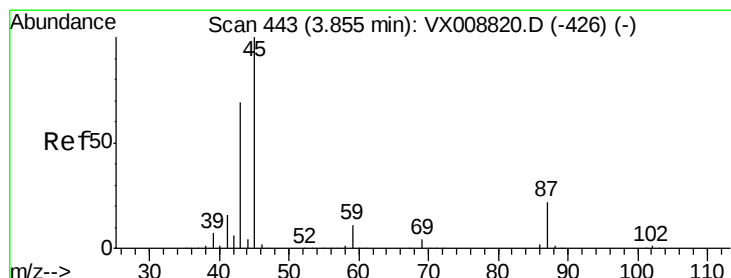
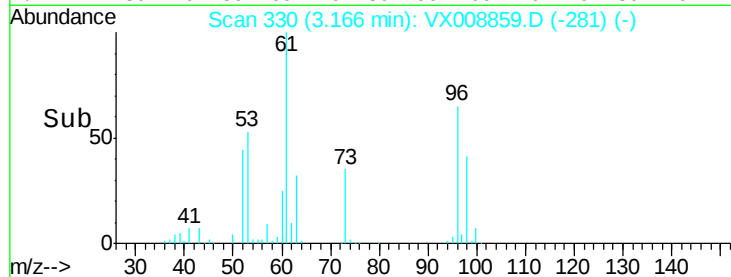
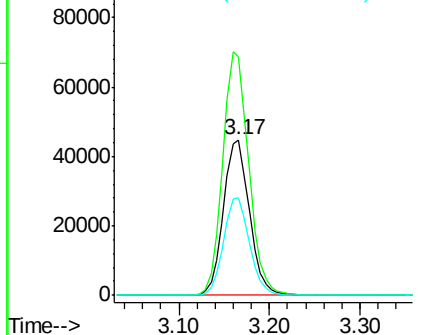
98 63.0 52.2 78.2

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



#22

Diisopropyl ether

Concen: 47.829 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Tgt Ion: 45 Resp: 370384

Ion Ratio Lower Upper

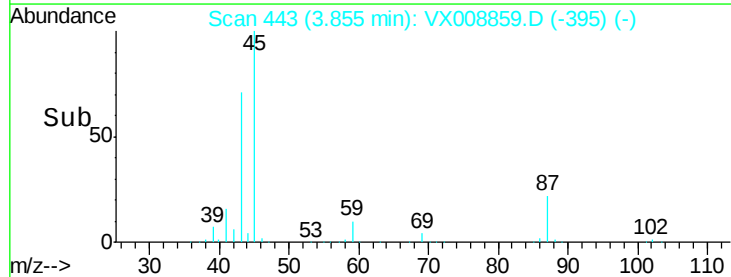
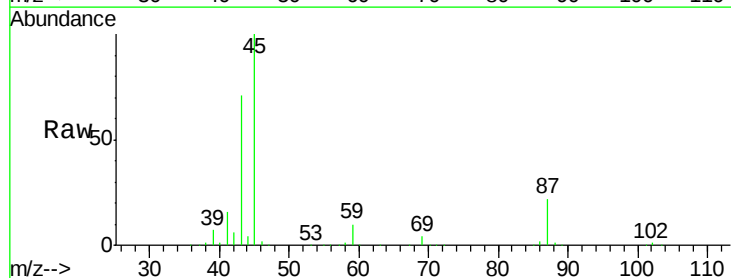
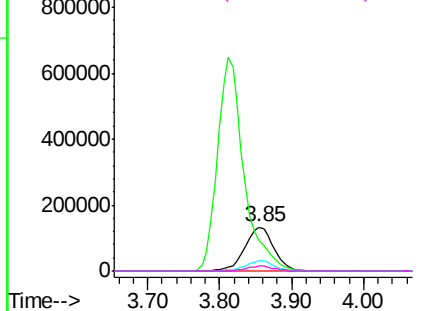
45 100

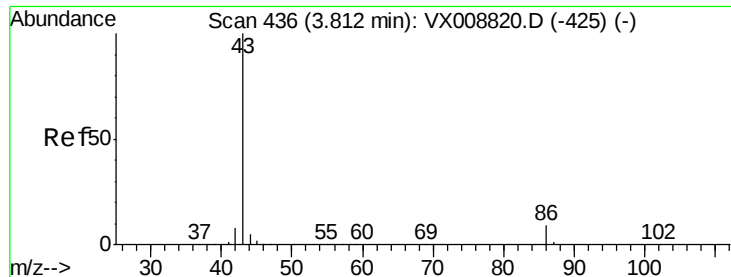
43 71.0 51.3 76.9

87 22.2 18.1 27.1

59 10.4 8.6 13.0

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 246.072 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-190409MSD

Tot Ion: 43 Resp: 1657704

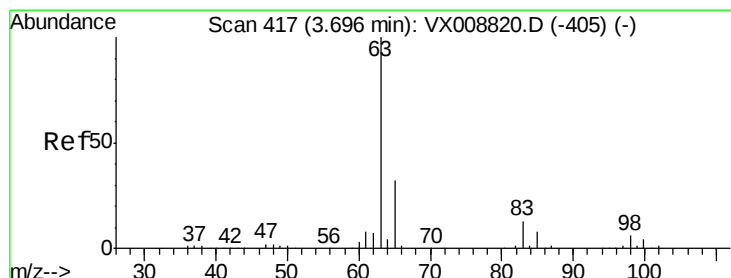
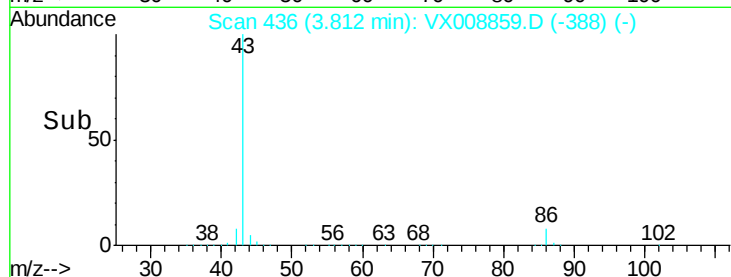
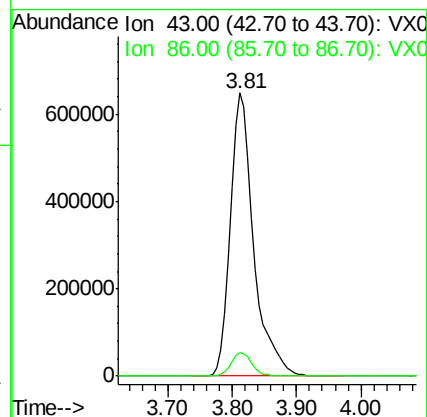
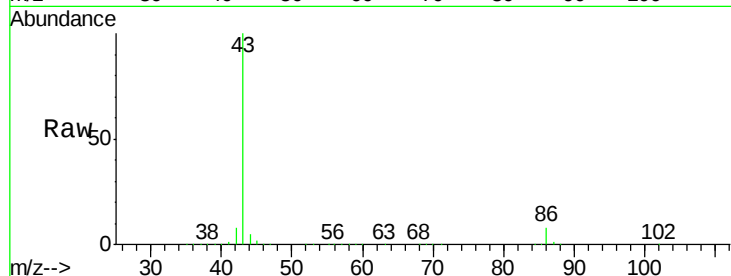
Ion Ratio Lower Upper

43 100

86 8.4 7.0 10.6

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#24

1,1-Dichloroethane

Concen: 47.339 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

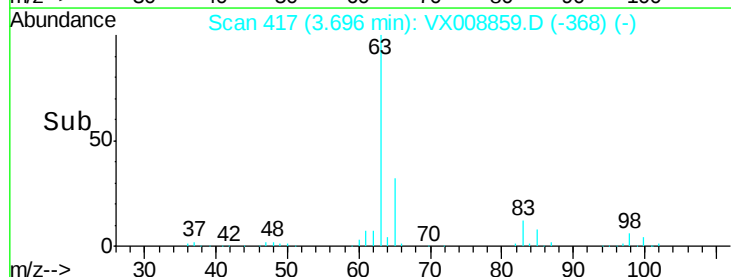
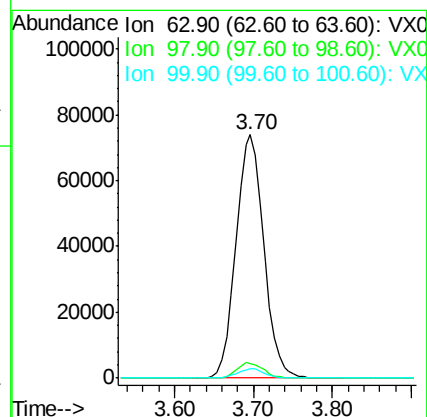
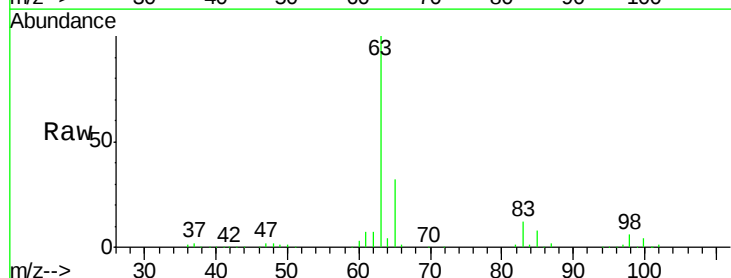
Tgt Ion: 63 Resp: 181500

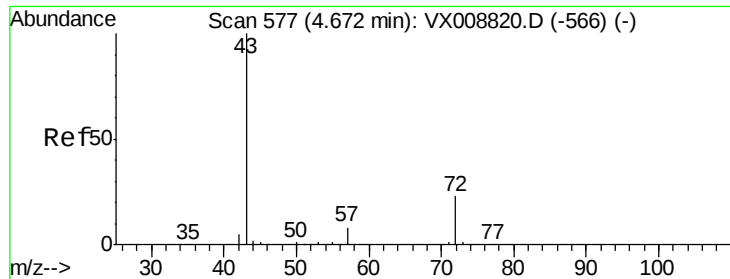
Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 3.7 1.8 5.5





#25

2-Butanone

Concen: 235.738 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-190409MSD

Tot Ion: 43 Resp: 475178

Ion Ratio Lower Upper

43 100

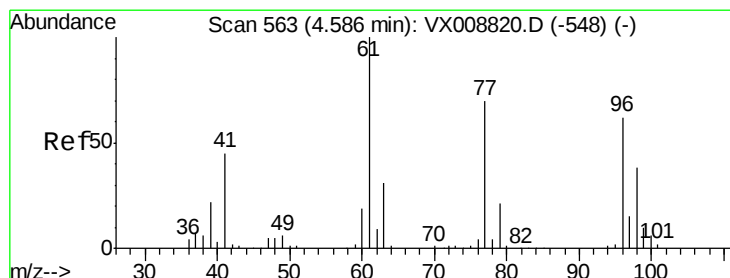
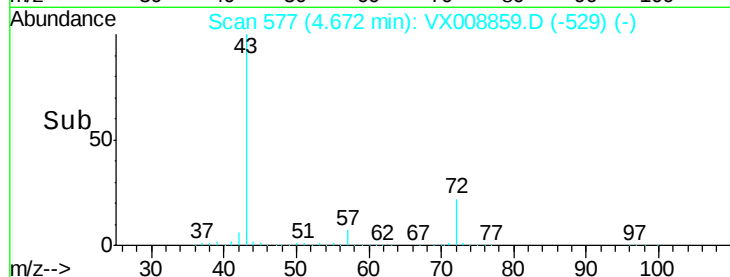
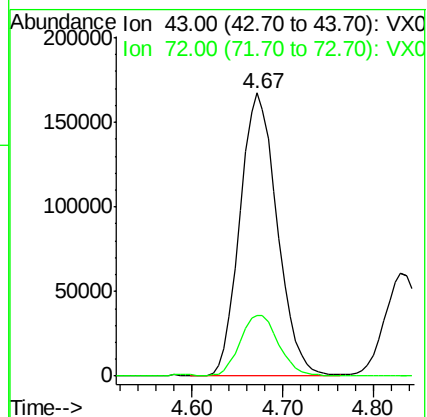
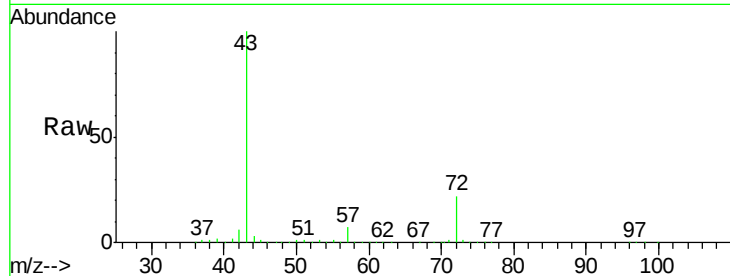
72 21.6 18.2 27.4

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#26

2,2-Dichloropropane

Concen: 45.820 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008859.D

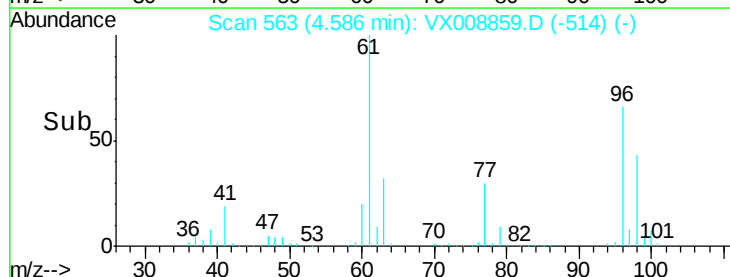
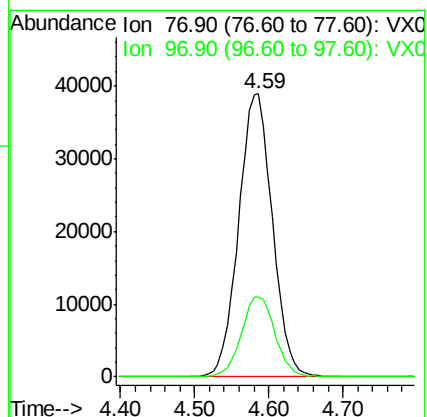
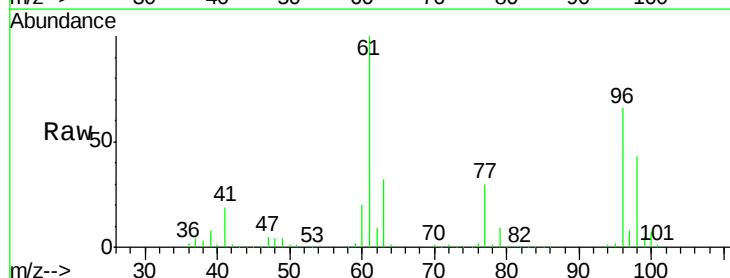
Acq: 11 Apr 2019 18:04

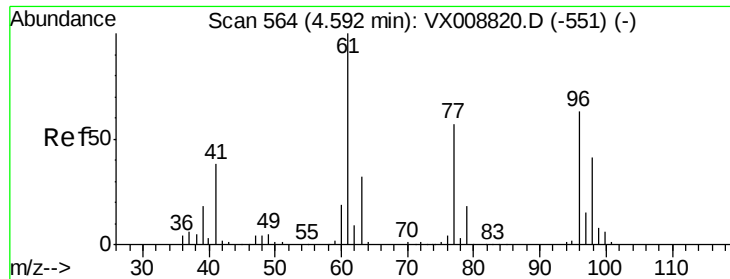
Tgt Ion: 77 Resp: 123732

Ion Ratio Lower Upper

77 100

97 28.3 11.5 34.5





#27

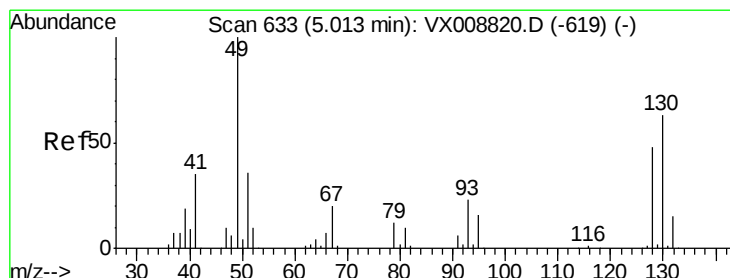
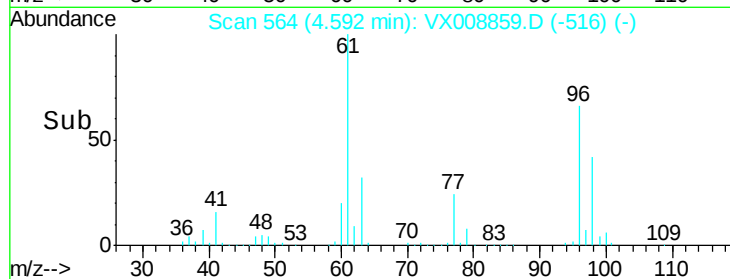
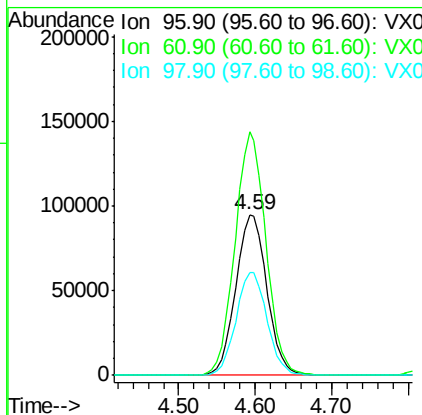
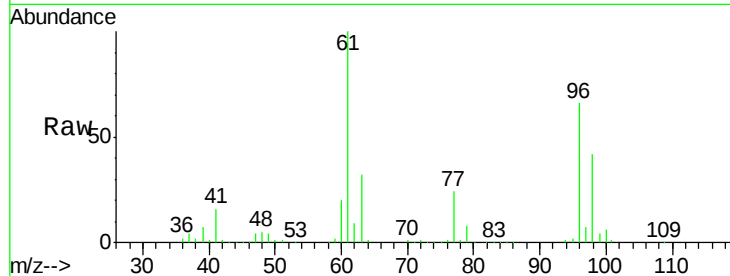
cis-1,2-Dichloroethene
Concen: 122.480 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-190409MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	267326		
61	150.6	0.0	327.6	
98	64.2	0.0	128.6	

Manual Integrations
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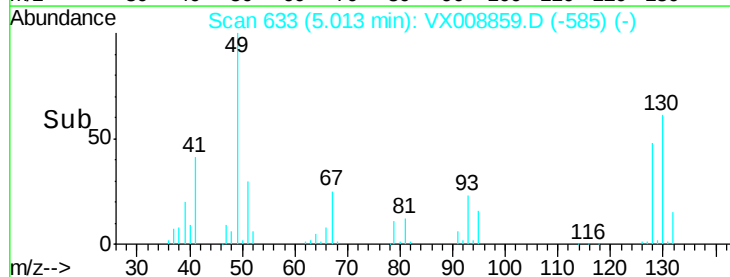
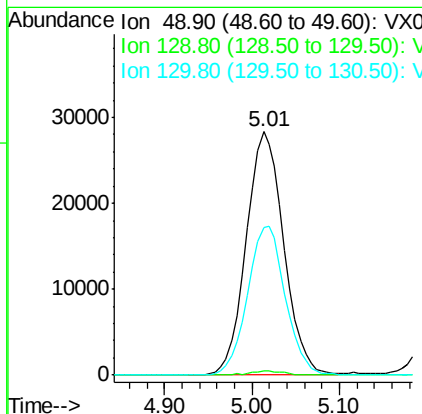
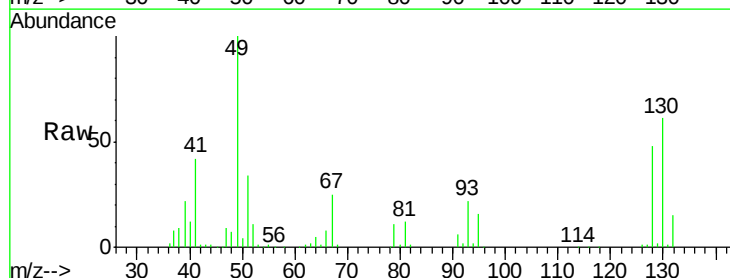
MMDadoda
4/12/2019 9:46:06 AM

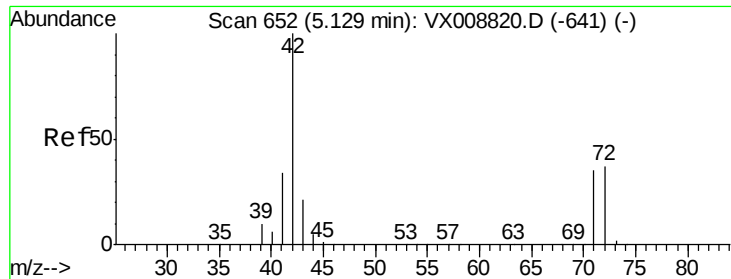


#28

Bromochloromethane
Concen: 52.985 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	84571		
129	1.6	0.0	3.6	
130	61.7	49.3	73.9	





#29

Tetrahydrofuran

Concen: 235.666 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

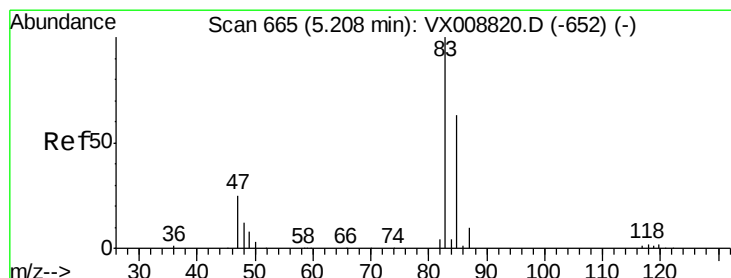
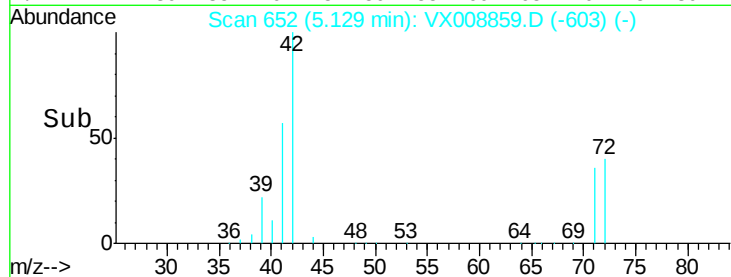
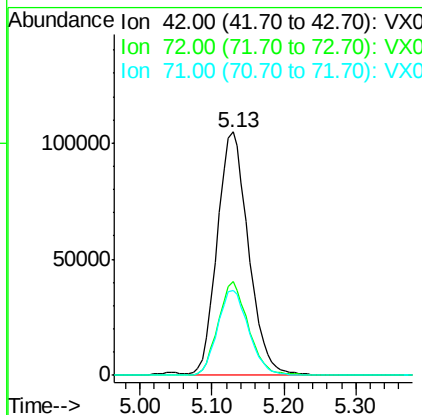
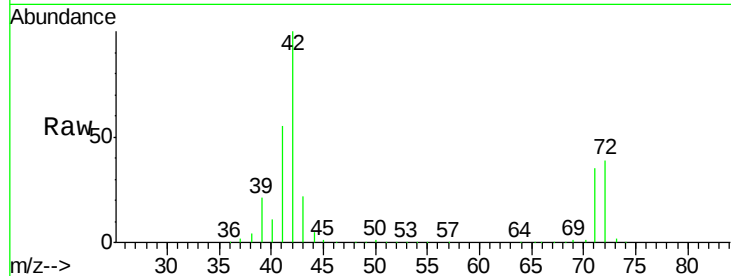
ClientSampleId :

KY062MW139-190409MSD

Tot Ion:	42	Resp:	315291
Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.5	45.7
71	35.2	28.6	43.0

Manual Integrations
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#30

Chloroform

Concen: 47.476 ug/l

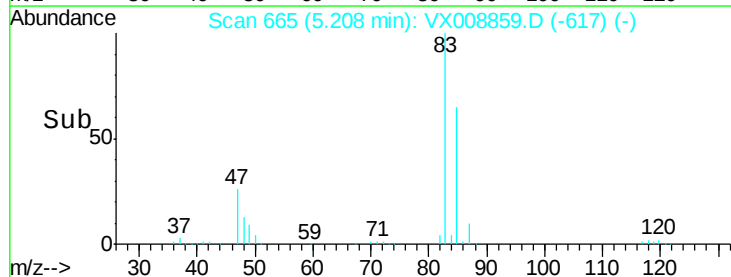
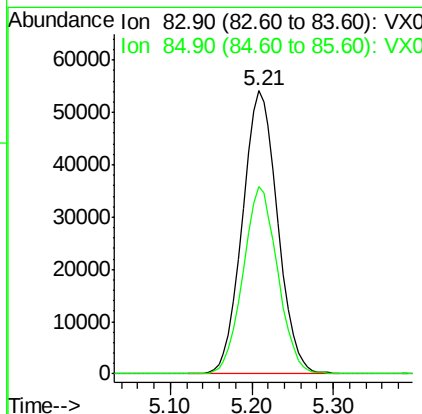
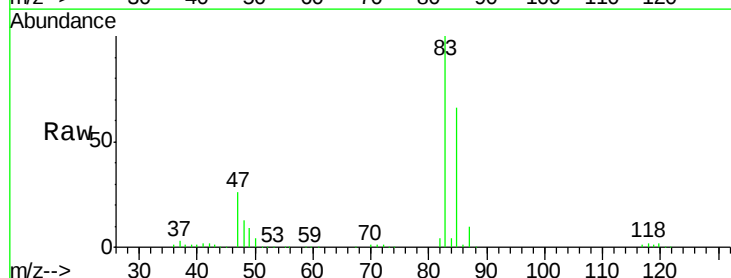
RT: 5.21 min Scan# 665

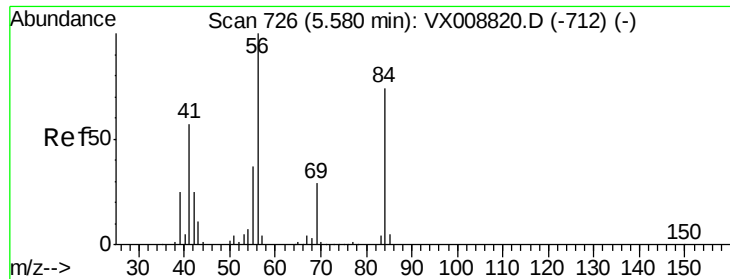
Delta R.T. -0.01 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Tgt Ion:	83	Resp:	162581
Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.1	78.1





#31

Cyclohexane

Concen: 46.428 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

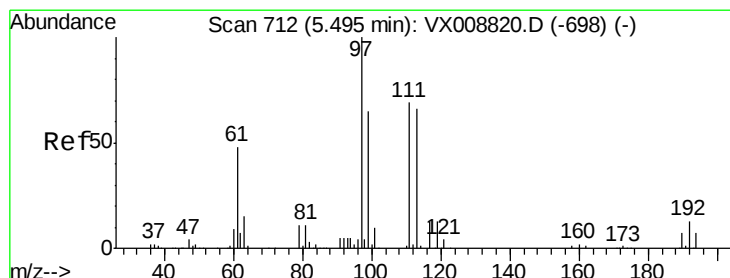
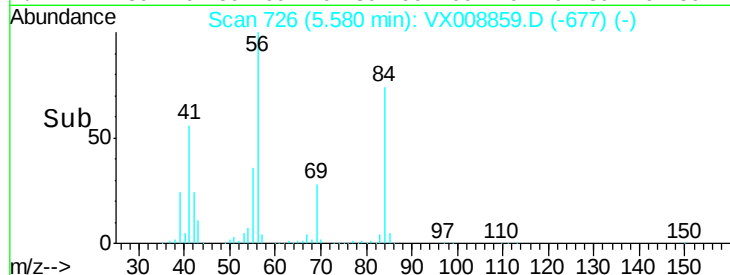
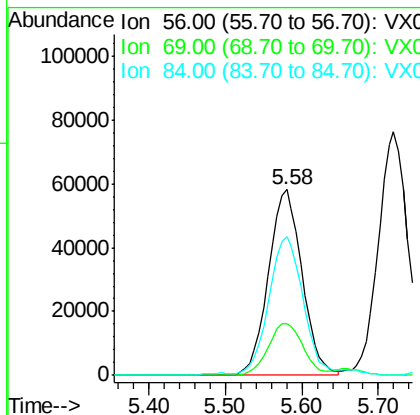
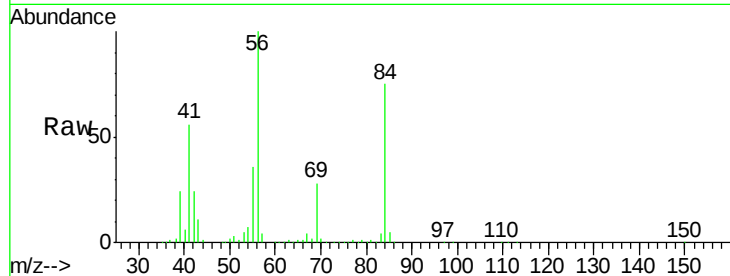
ClientSampleId :

KY062MW139-190409MSD

Tot Ion:	56	Resp:	177619
Ion	Ratio	Lower	Upper
56	100		
69	27.9	22.6	33.8
84	74.3	59.3	88.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.849 ug/l

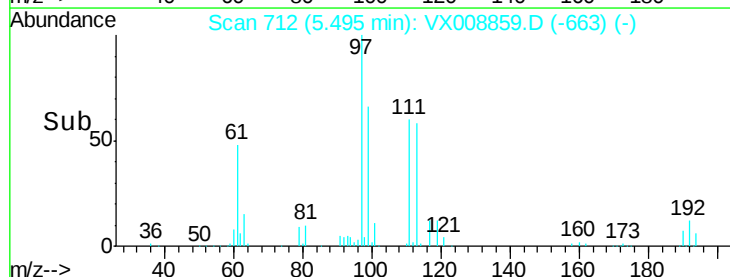
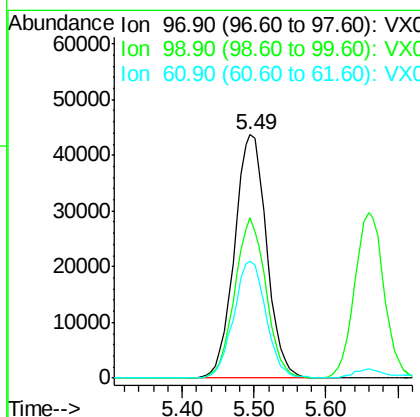
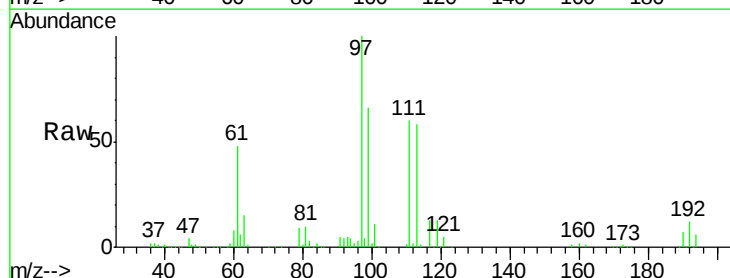
RT: 5.49 min Scan# 712

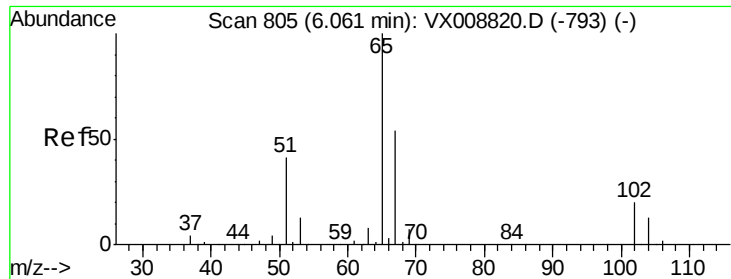
Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Tgt Ion:	97	Resp:	135180
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.3	76.9
61	48.3	38.9	58.3





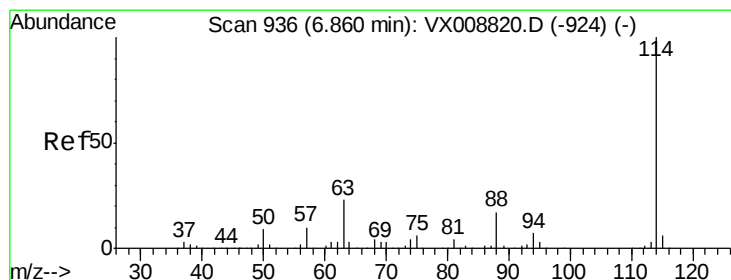
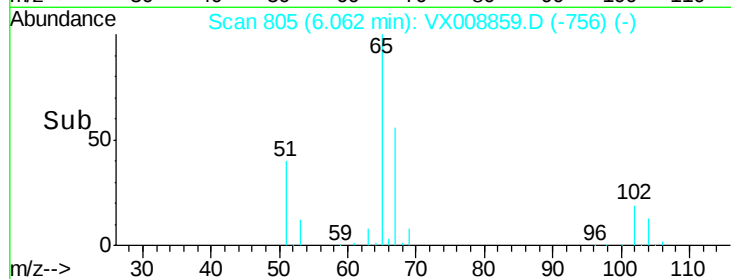
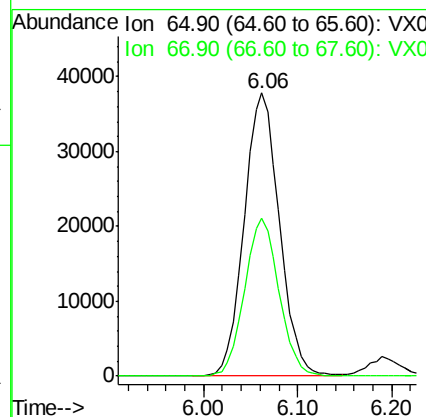
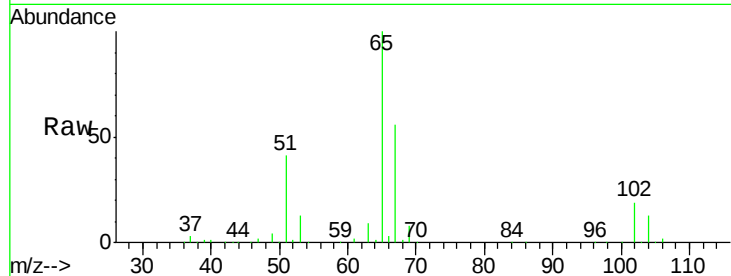
#33
 1,2-Dichloroethane-d4
 Concen: 44.744 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW139-190409MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	107.2

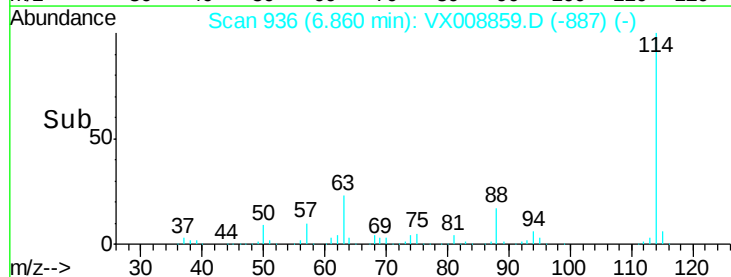
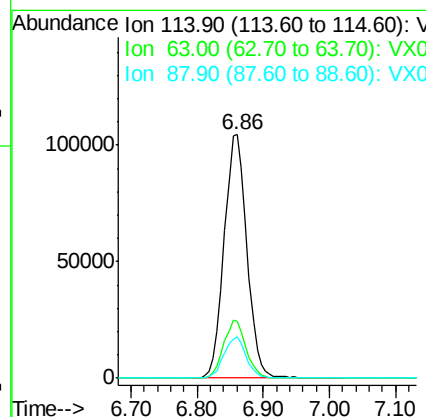
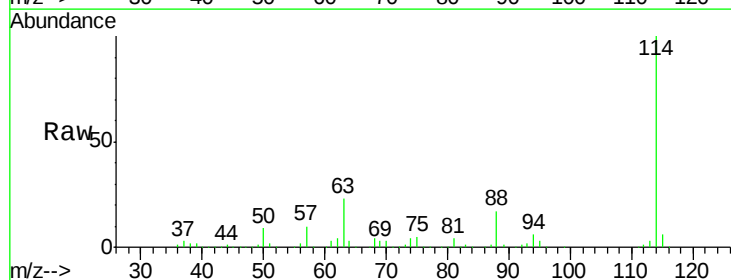
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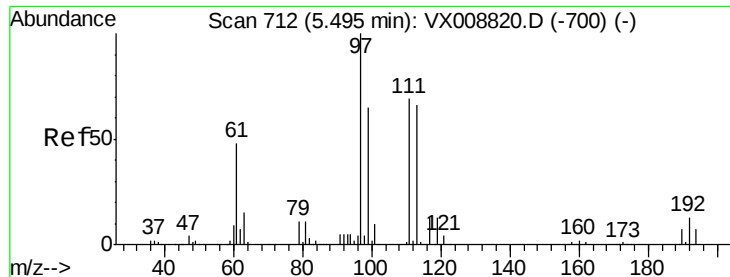
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	47.2
88	17.2	0.0	34.0





#35

Dibromofluoromethane

Concen: 45.591 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

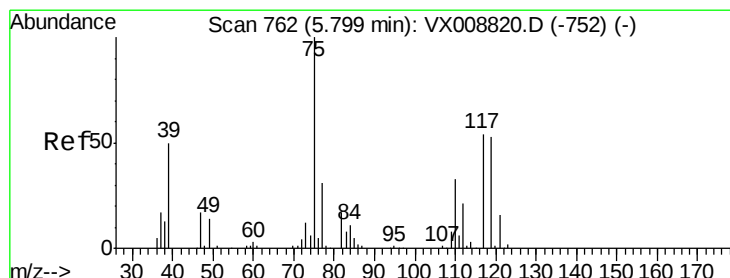
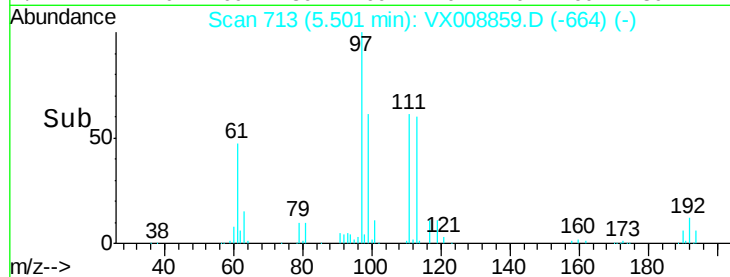
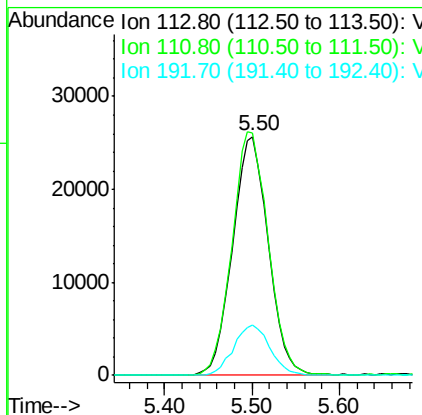
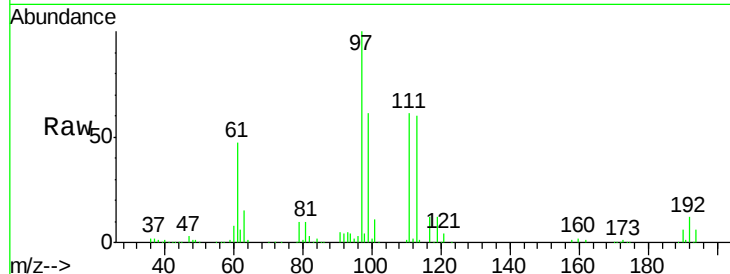
ClientSampleId :

KY062MW139-190409MSD

Tot Ion:	113	Resp:	72851
Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.4	125.2
192	21.3	16.1	24.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.906 ug/l

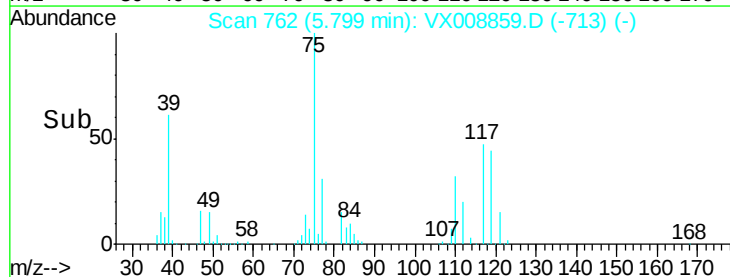
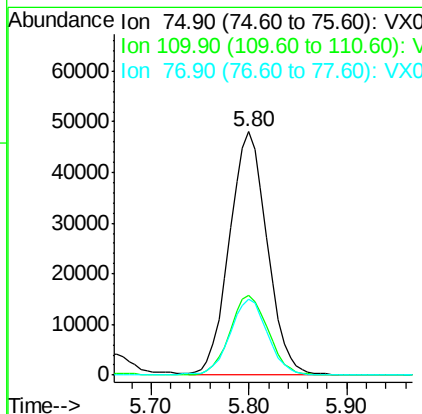
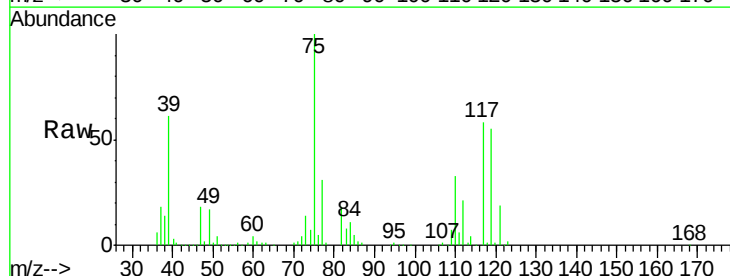
RT: 5.80 min Scan# 762

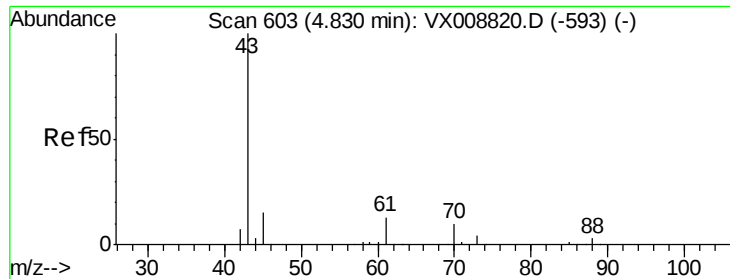
Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Tgt Ion:	75	Resp:	128146
Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.4	49.2
77	31.5	24.7	37.1





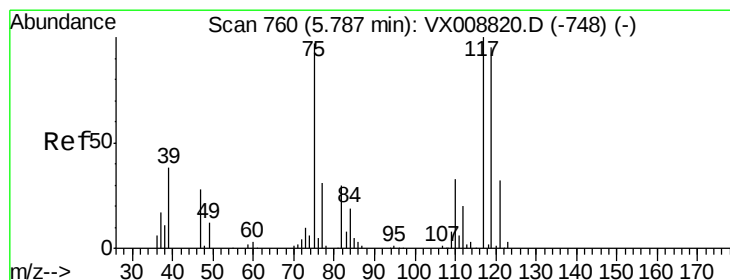
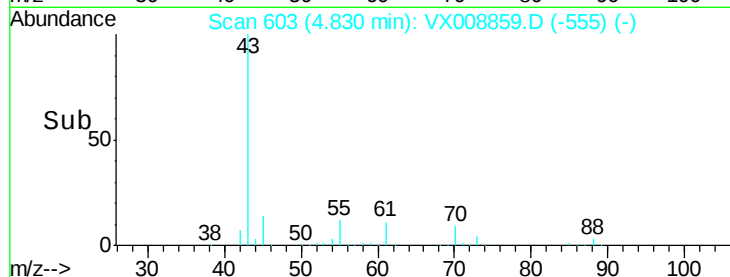
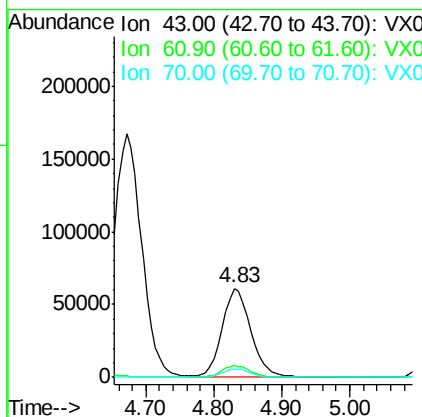
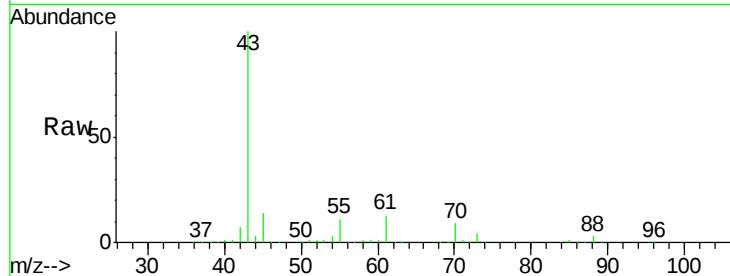
#37
Ethyl Acetate
Concen: 48.899 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-190409MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.3	15.5
70	9.3	7.6	11.4

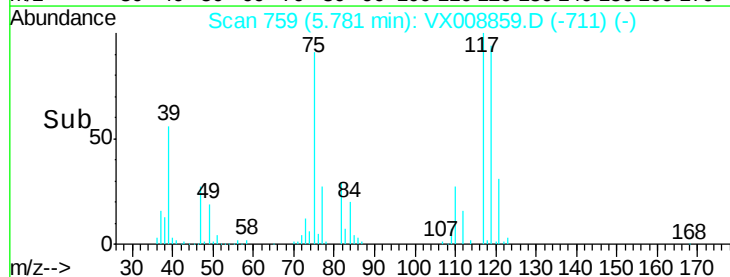
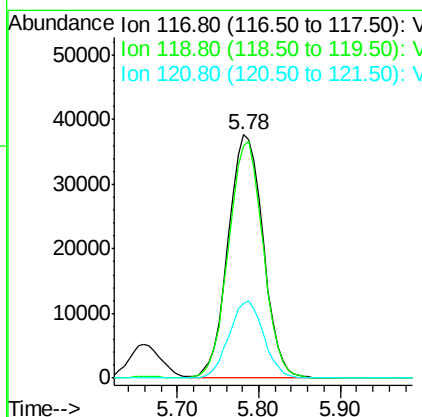
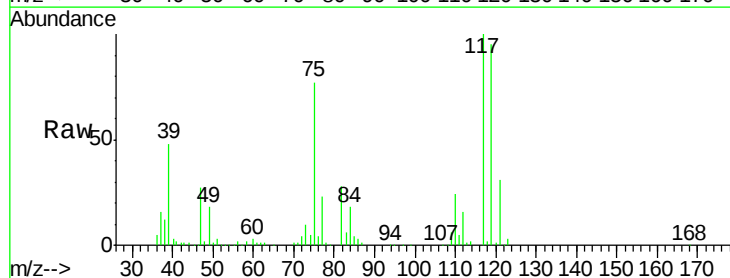
Manual Integrations
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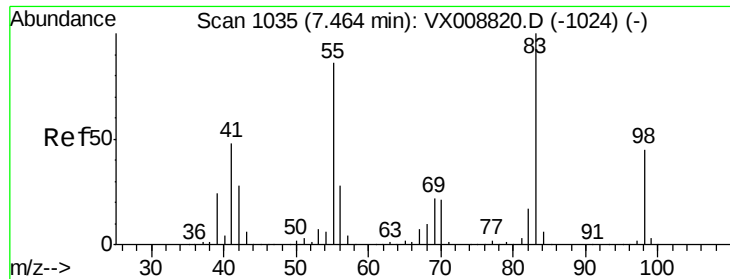
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#38
Carbon Tetrachloride
Concen: 49.471 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.0	112.6
121	30.7	24.3	36.5





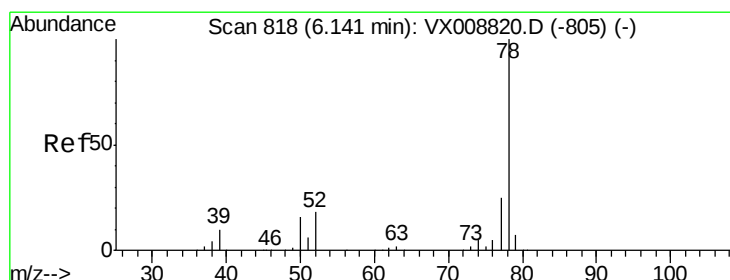
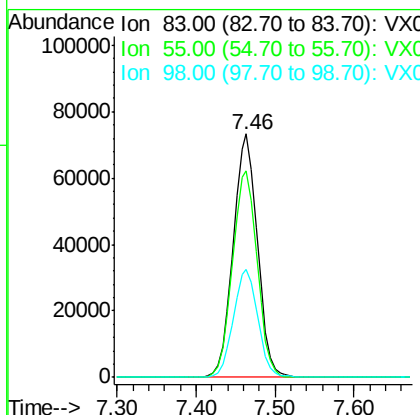
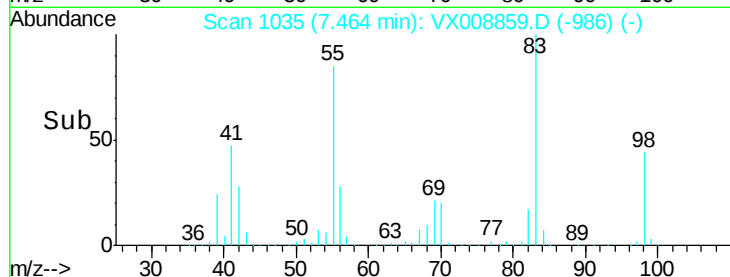
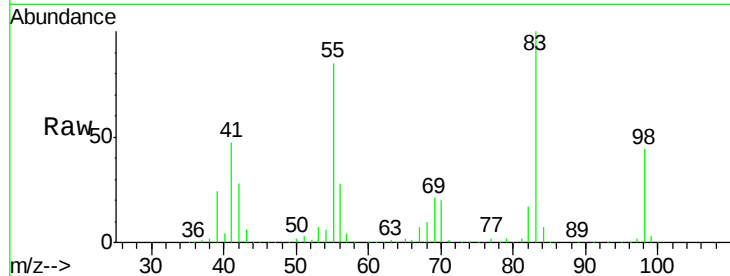
#39
Methvlcvclohexane
Concen: 46.449 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-190409MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.8	69.0	103.6
98	44.2	34.4	51.6

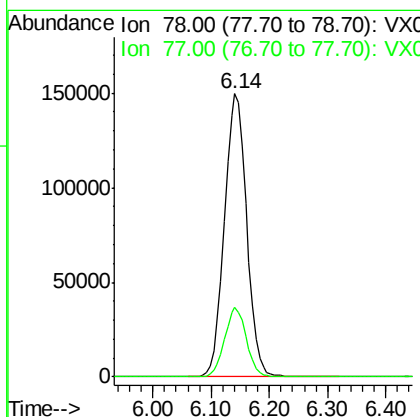
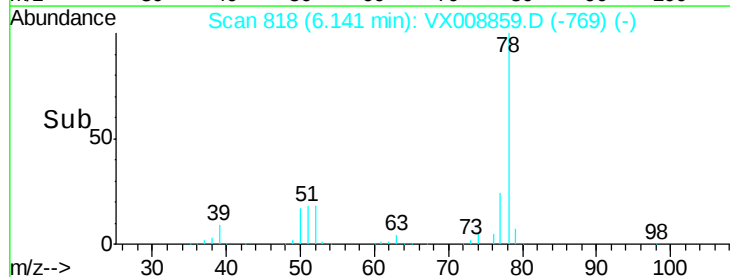
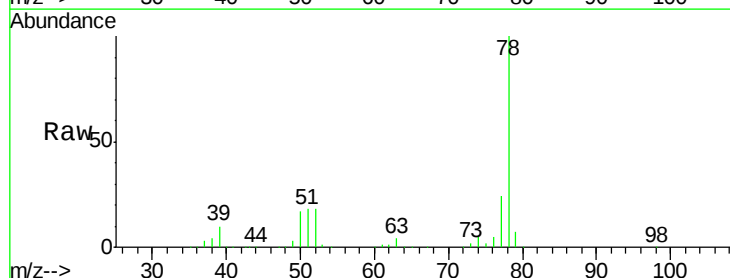
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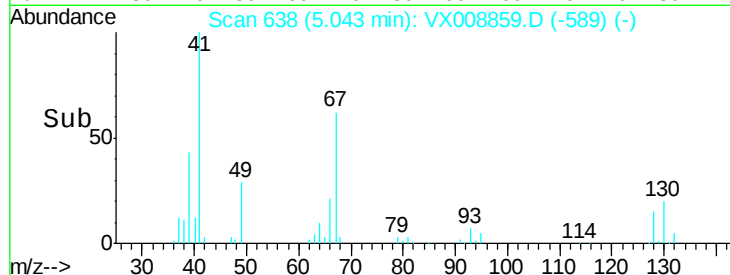
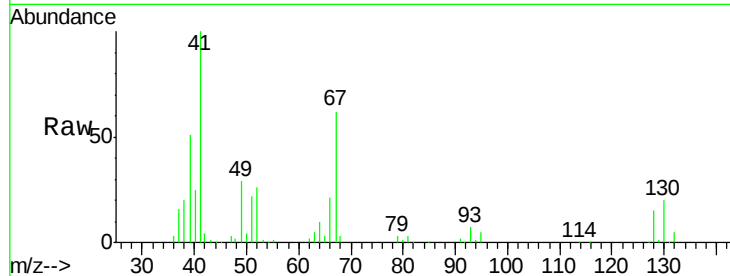
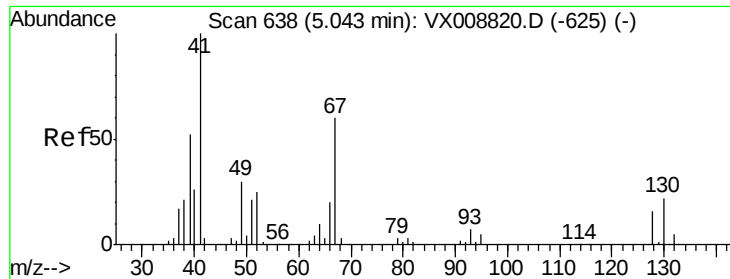
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#40
Benzene
Concen: 48.860 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





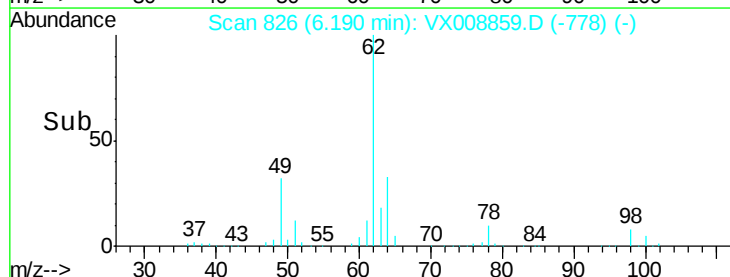
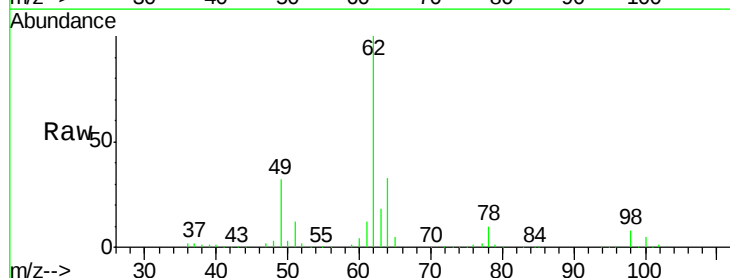
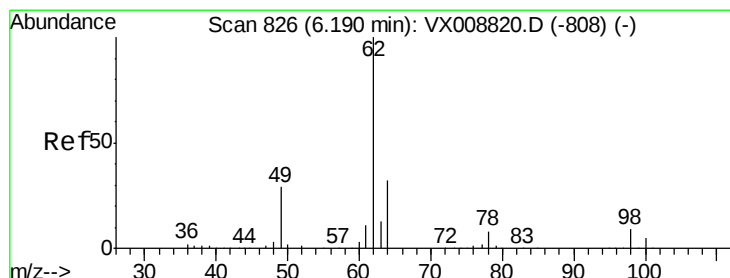
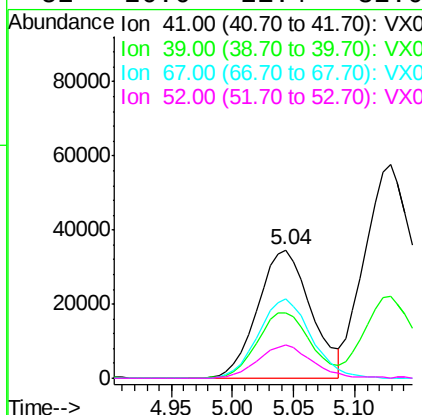
#41
Methacrylonitrile
Concen: 50.007 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.4	42.1	63.1	
67	61.2	51.0	76.6	
52	26.6	21.4	32.0	

Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-190409MSD

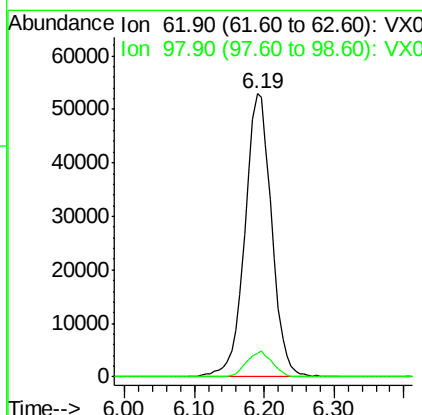
Manual Integrations
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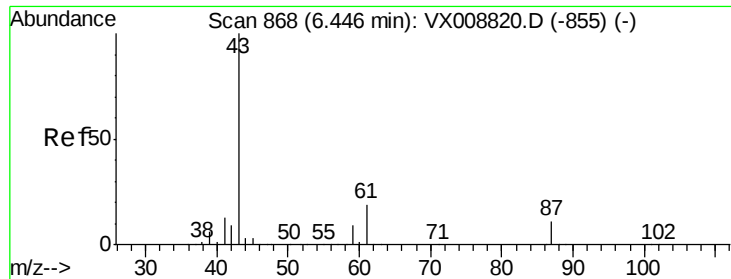
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#42
1,2-Dichloroethane
Concen: 48.090 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	18.0	





#43

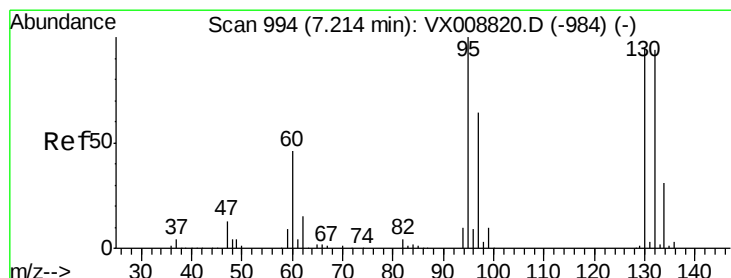
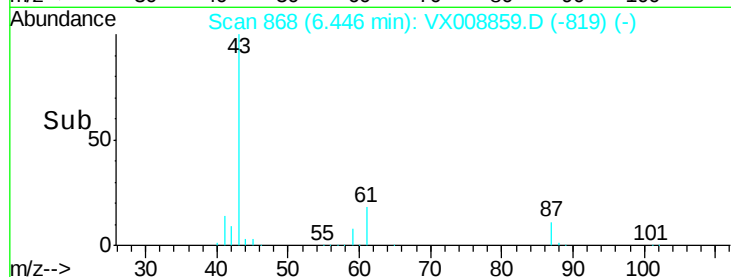
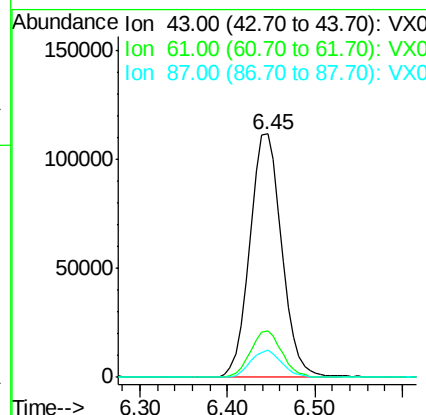
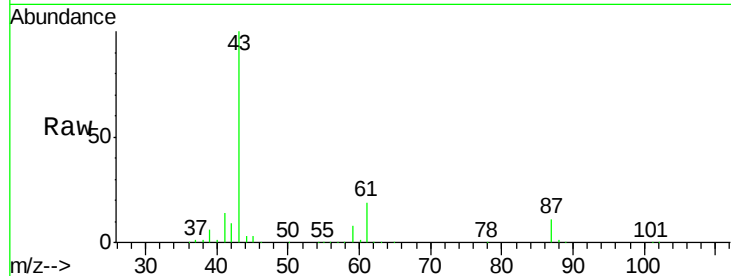
Isopropyl Acetate
 Concen: 49.320 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW139-190409MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.3	22.9
87	11.0	9.0	13.6

Manual Integrations
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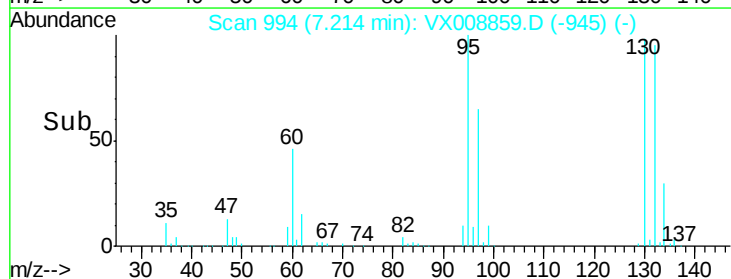
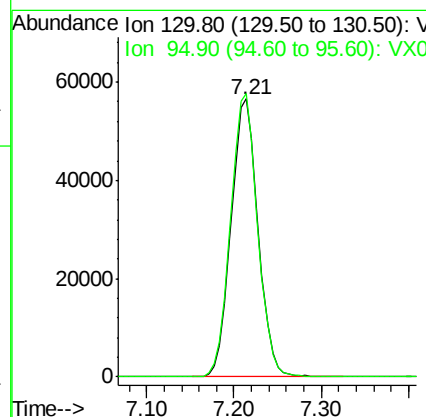
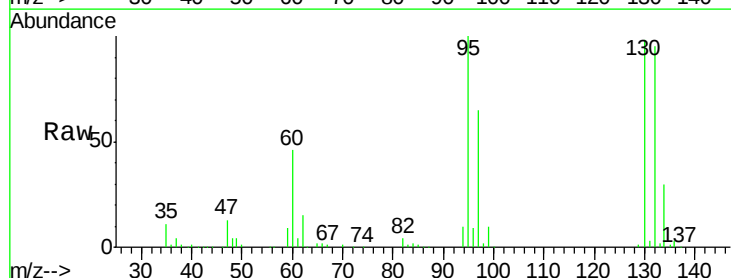
MMDadoda
 4/12/2019 9:46:06 AM

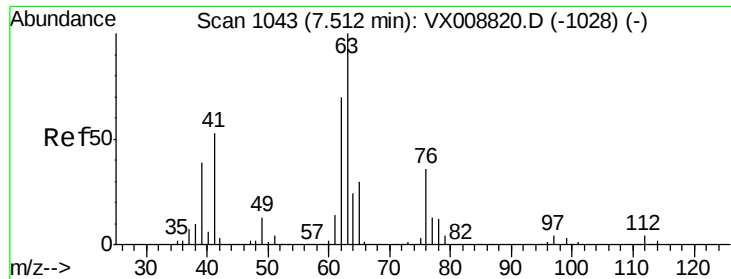


#44

Trichloroethene
 Concen: 63.891 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	209.8





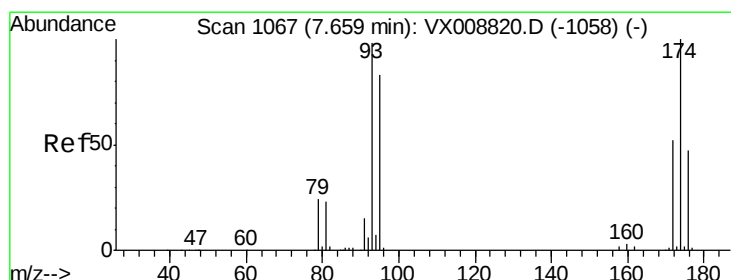
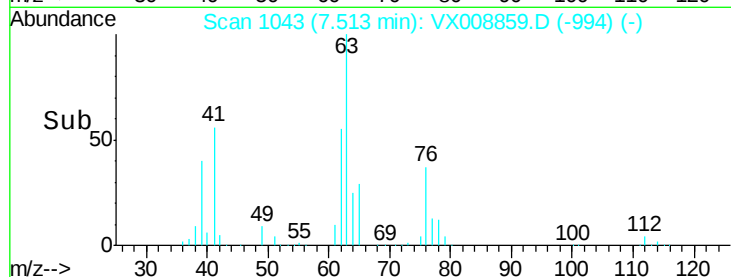
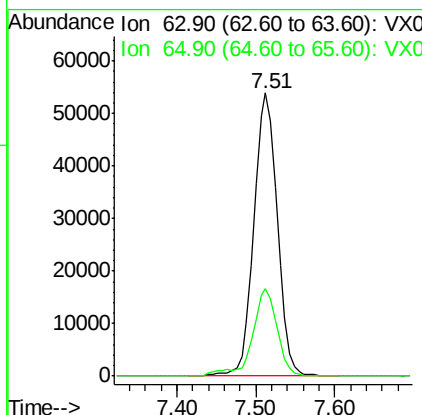
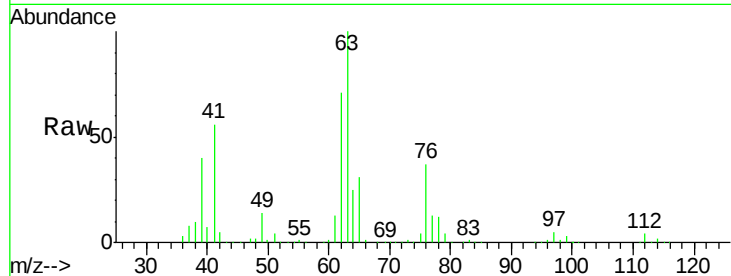
#45
 1,2-Dichloropropane
 Concen: 48.032 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW139-190409MSD

Tot Ion: 63 Resp: 111578
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.2 36.4

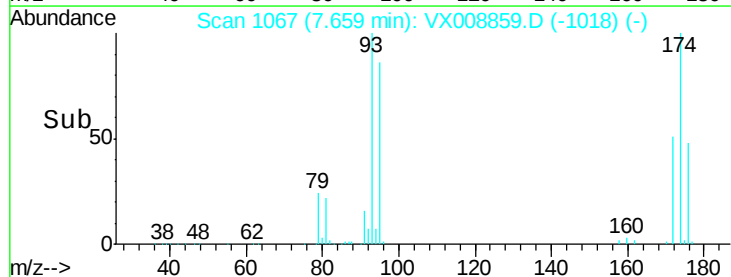
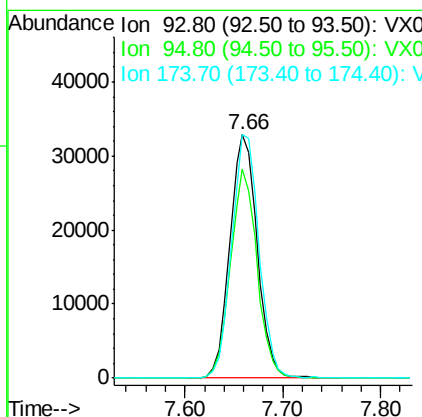
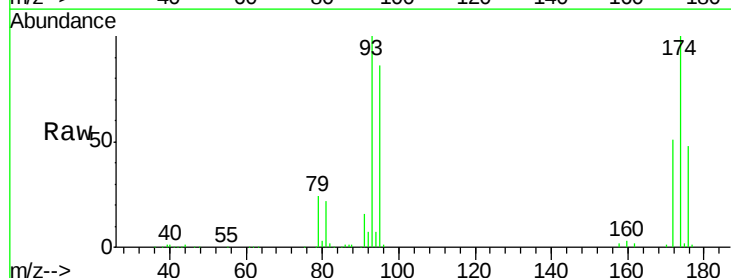
Manual Integrations
 APPROVED

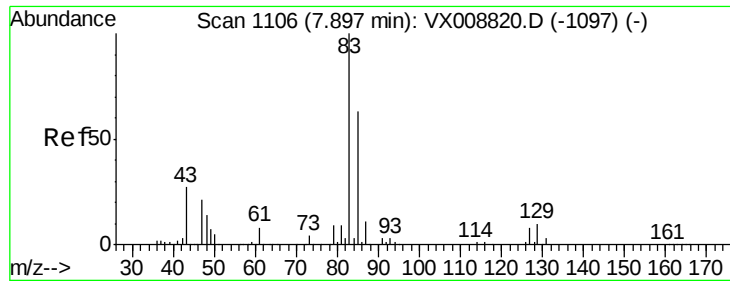
MMDadoda
 4/12/2019 9:46:06 AM



#46
 Dibromomethane
 Concen: 47.221 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Tgt Ion: 93 Resp: 63621
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 99.8
 174 100.4 77.7 116.5





#47

Bromodichloromethane

Concen: 49.741 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

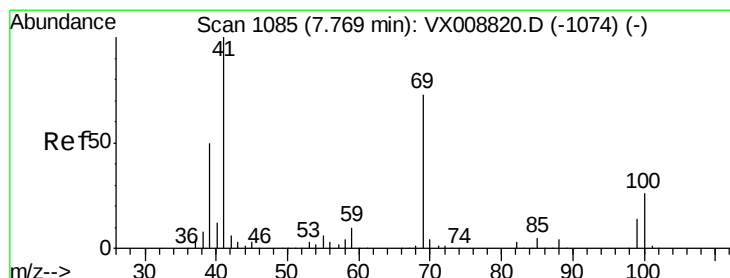
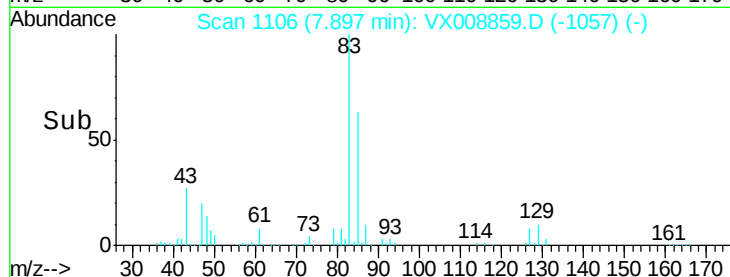
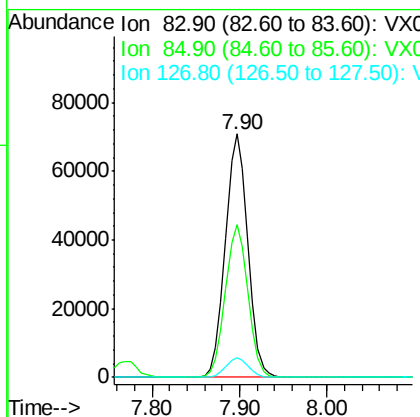
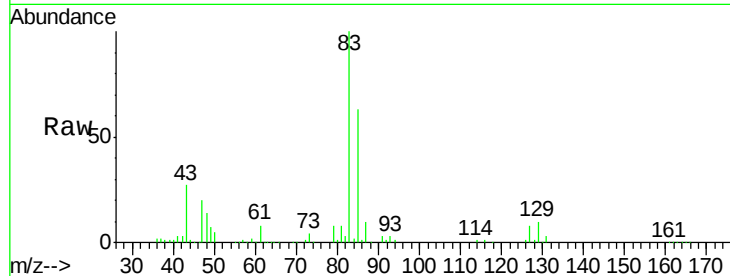
ClientSampleId :

KY062MW139-190409MSD

Tot Ion:	83	Resp:	126359
Ion Ratio	Lower	Upper	
83	100		
85	62.6	51.2	76.8
127	8.3	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
4/12/2019 9:46:06 AM



#48

Methyl methacrylate

Concen: 50.361 ug/l

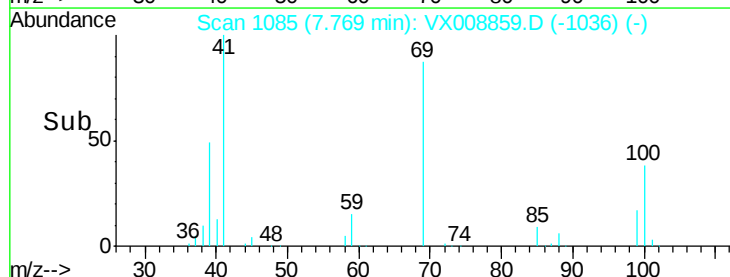
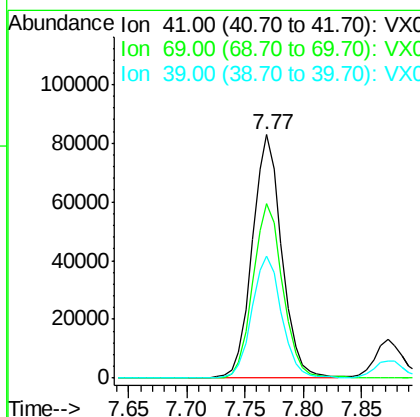
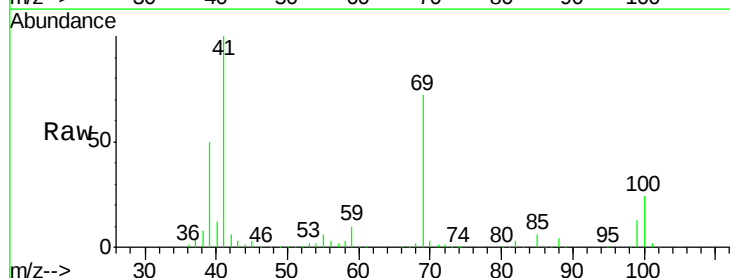
RT: 7.77 min Scan# 1085

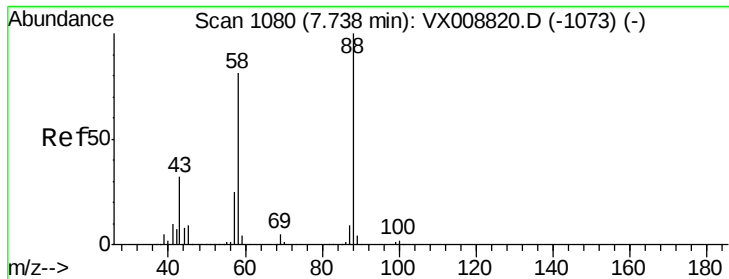
Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Tgt Ion:	41	Resp:	145524
Ion Ratio	Lower	Upper	
41	100		
69	72.8	59.0	88.4
39	51.1	41.0	61.4





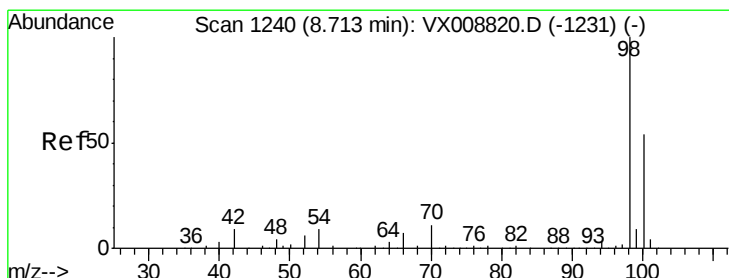
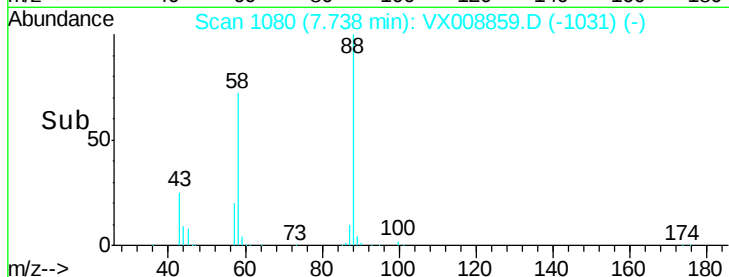
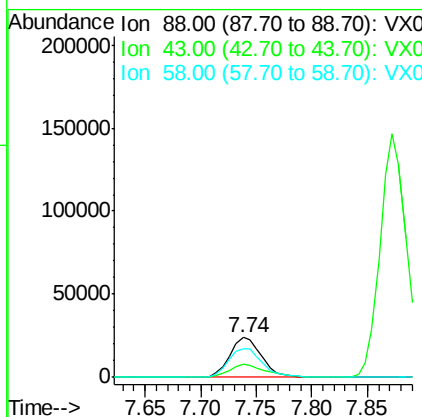
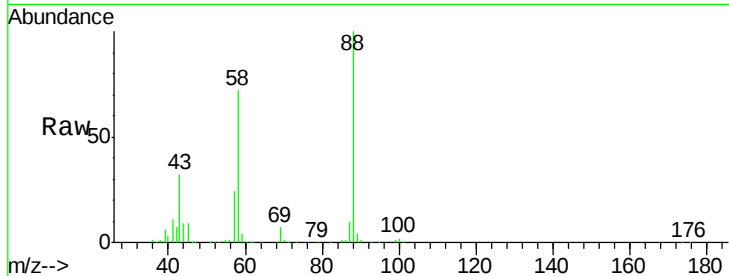
#49
1,4-Dioxane
Concen: 878.893 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-190409MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	28.6	43.0
58	79.5	62.2	93.2

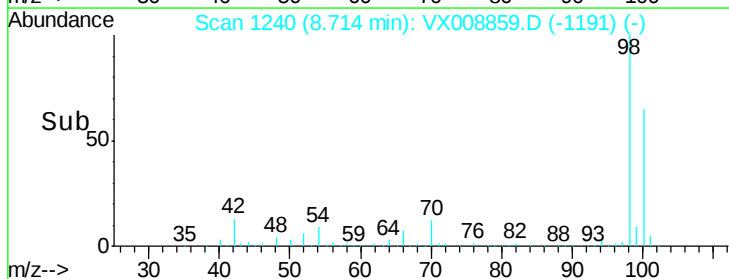
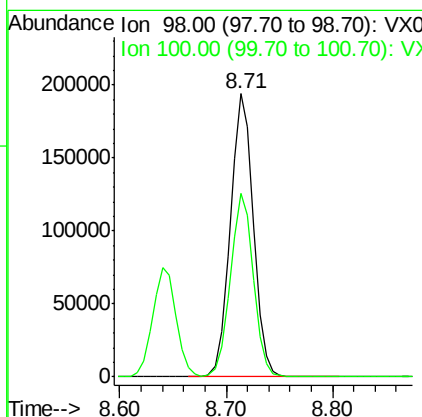
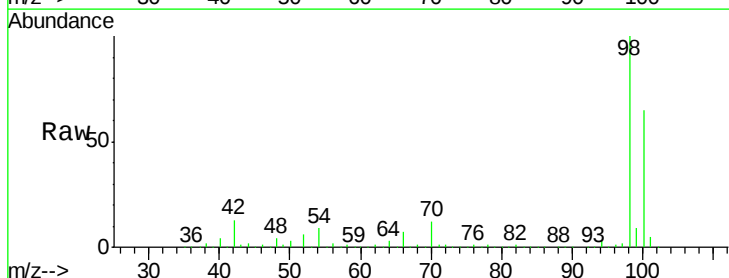
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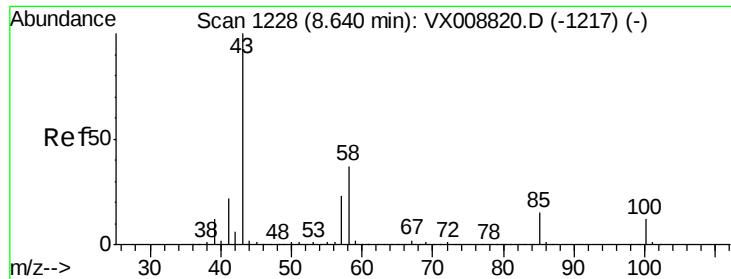
MMDadoda
4/12/2019 9:46:06 AM



#50
Toluene-d8
Concen: 46.283 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 258.408 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-190409MSD

Tot Ion: 43 Resp: 950238

Ion Ratio Lower Upper

43 100

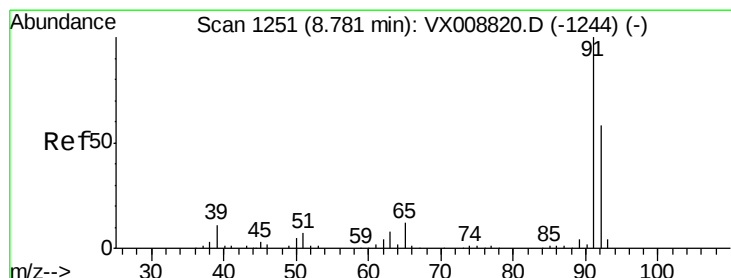
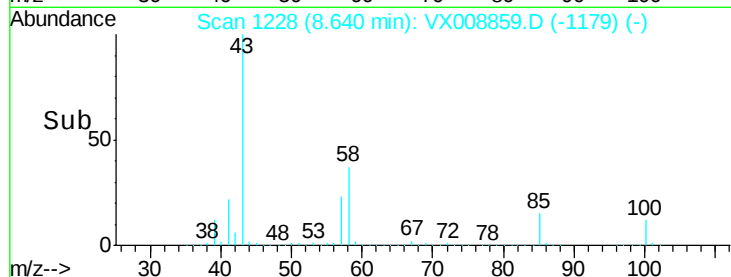
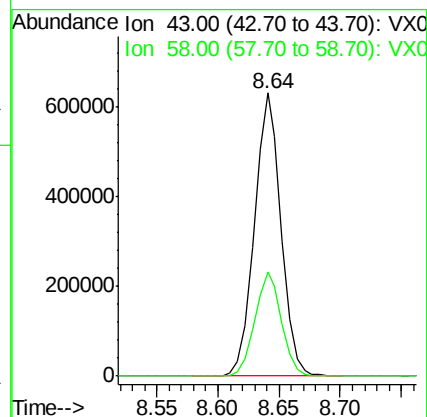
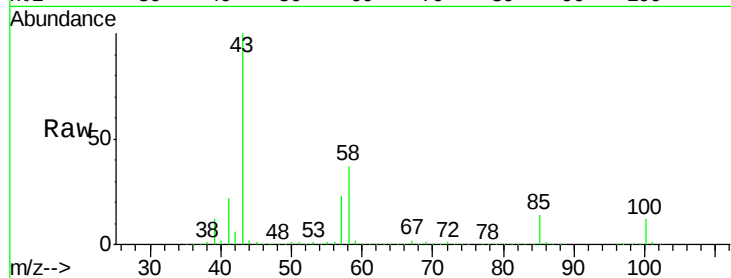
58 36.8 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 49.491 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008859.D

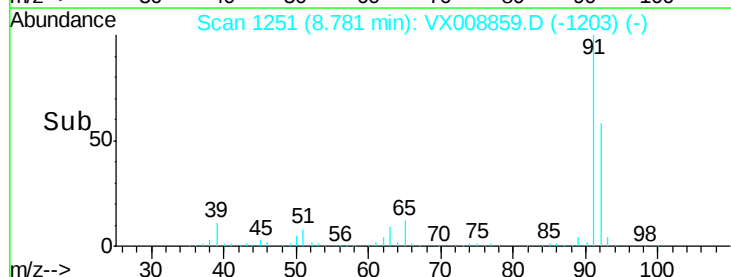
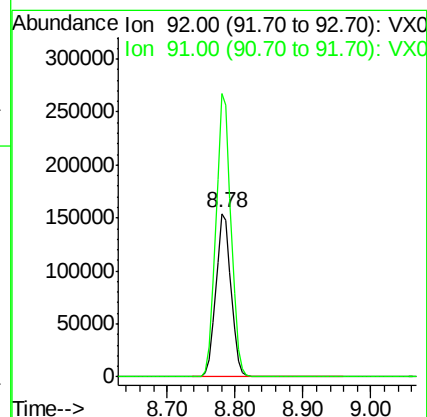
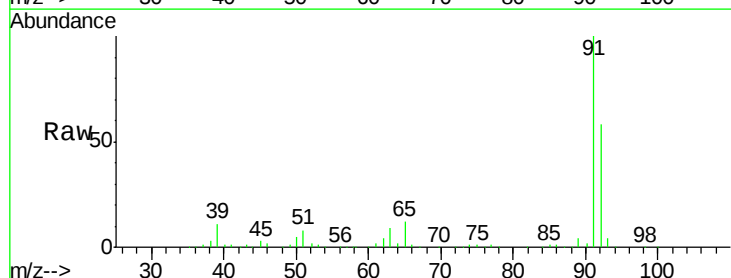
Acq: 11 Apr 2019 18:04

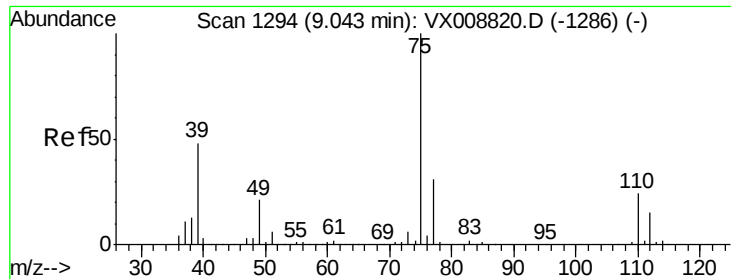
Tgt Ion: 92 Resp: 237471

Ion Ratio Lower Upper

92 100

91 173.1 138.5 207.7





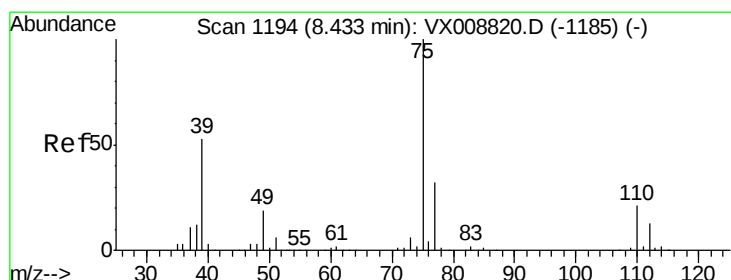
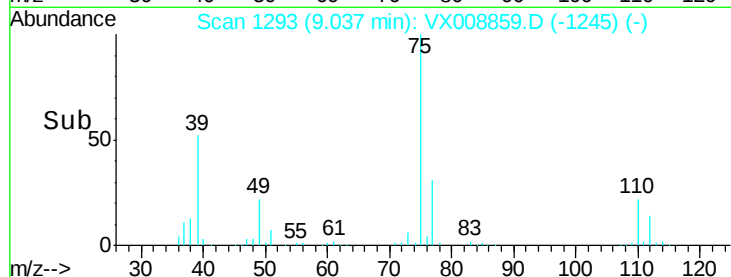
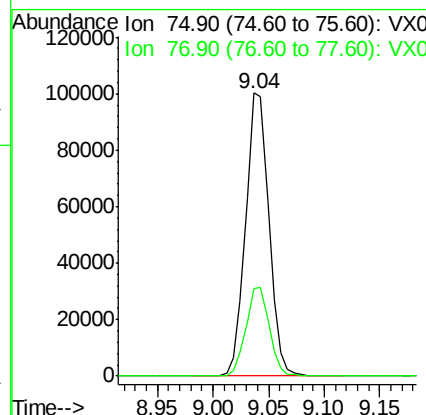
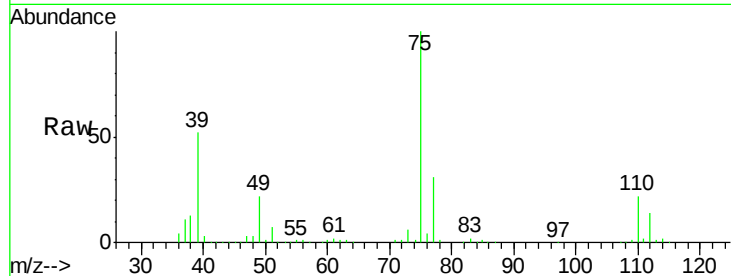
#53
t-1,3-Dichloropropene
Concen: 51.297 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-190409MSD

Tot Ion: 75 Resp: 145971
Ion Ratio Lower Upper
75 100
77 30.9 25.2 37.8

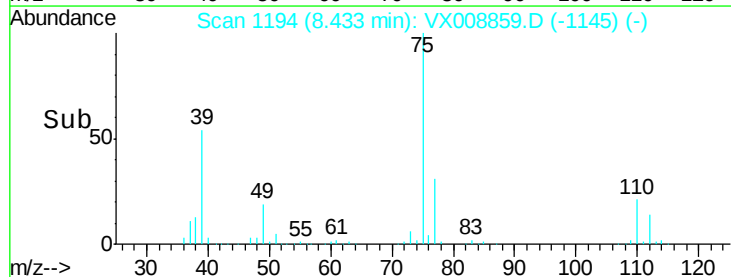
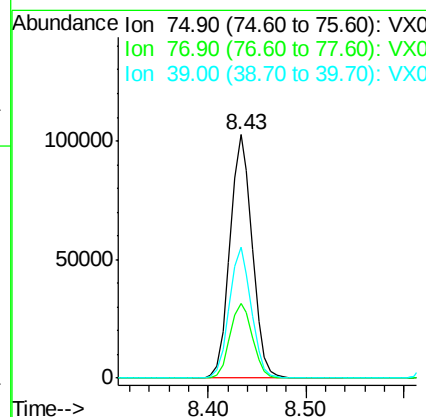
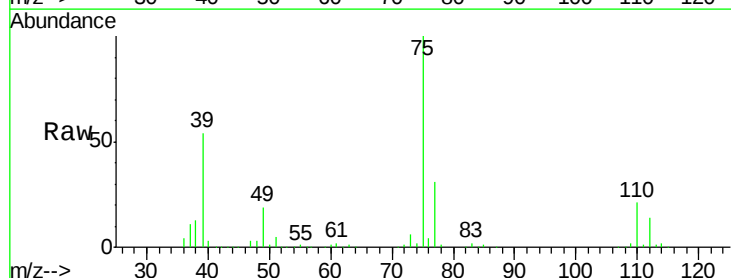
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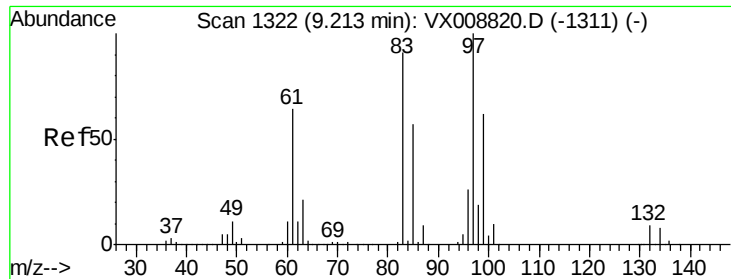
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.785 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Tgt Ion: 75 Resp: 161876
Ion Ratio Lower Upper
75 100
77 30.6 25.3 37.9
39 53.7 42.6 63.8





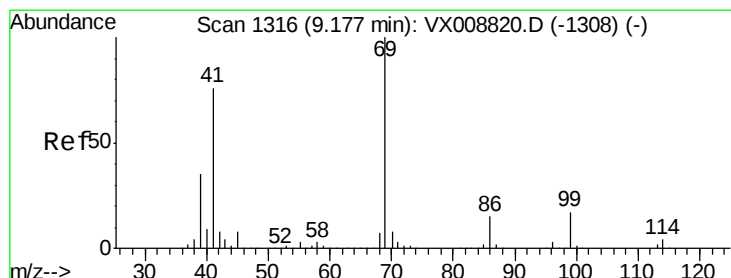
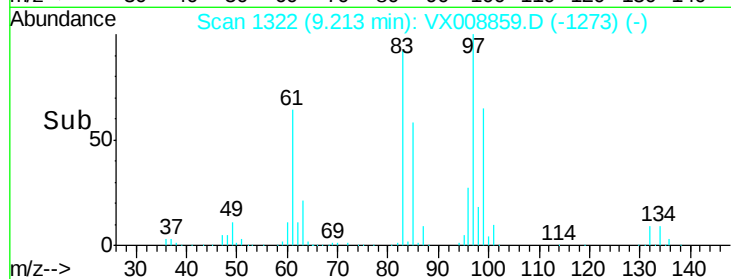
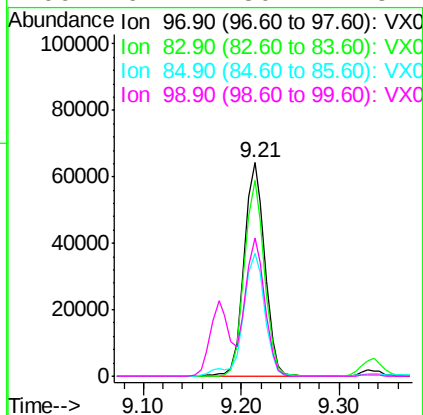
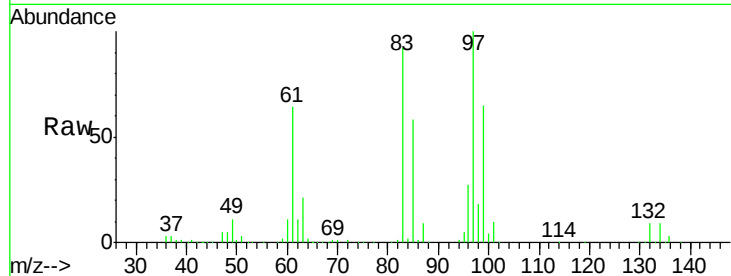
#55
 1,1,2-Trichloroethane
 Concen: 48.983 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW139-190409MSD

Tot Ion:	97	Resp:	94343
Ion	Ratio	Lower	Upper
97	100		
83	91.8	73.2	109.8
85	57.8	46.6	69.8
99	64.7	50.1	75.1

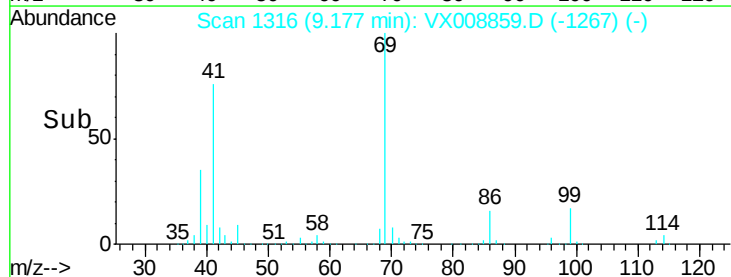
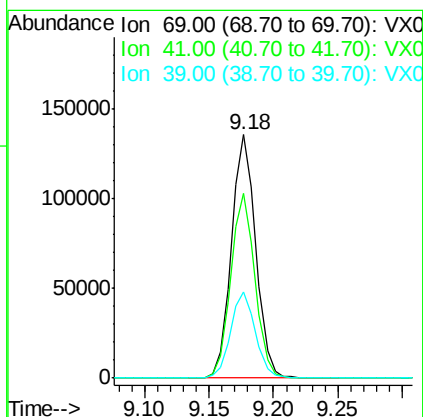
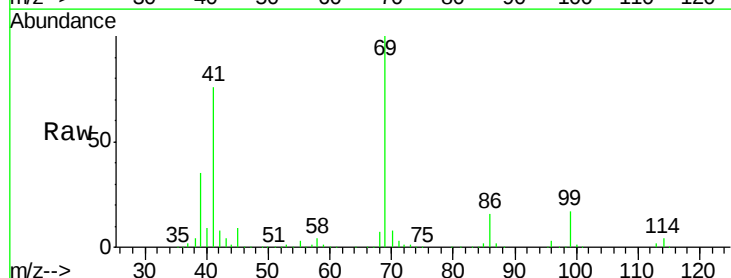
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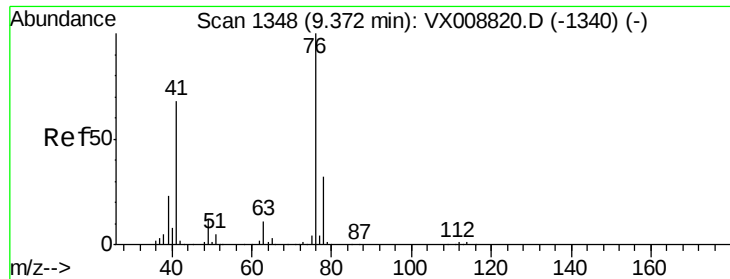
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 51.506 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Tgt Ion:	69	Resp:	179490
Ion	Ratio	Lower	Upper
69	100		
41	75.4	60.1	90.1
39	35.6	28.9	43.3





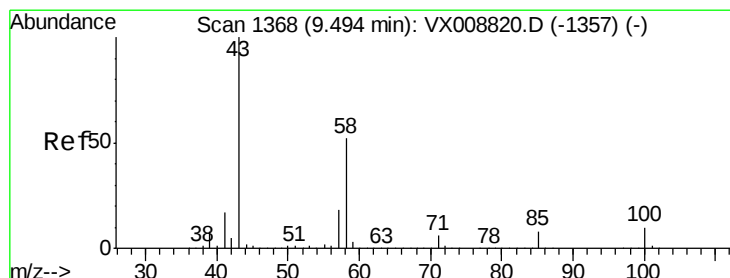
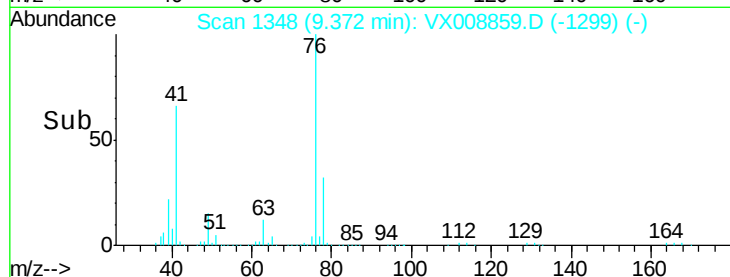
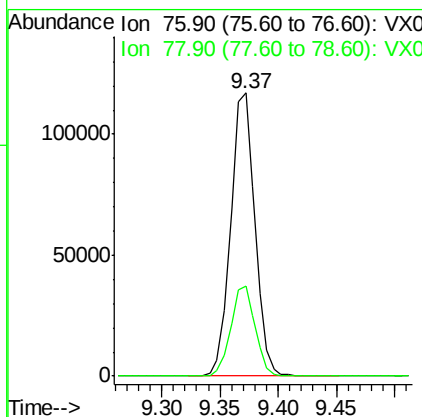
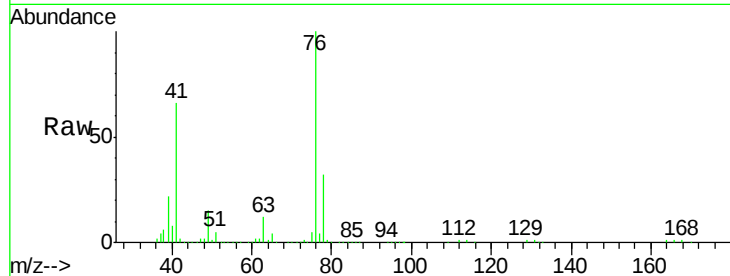
#57
 1,3-Dichloropropane
 Concen: 49.129 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW139-190409MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.6	38.4

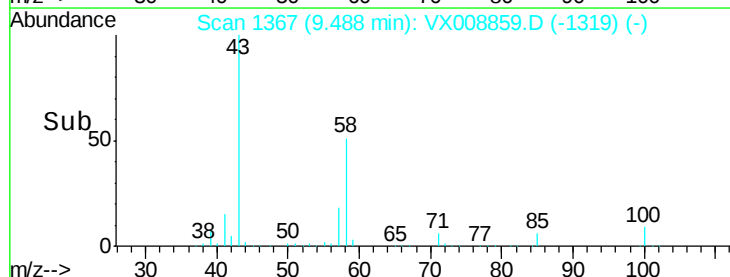
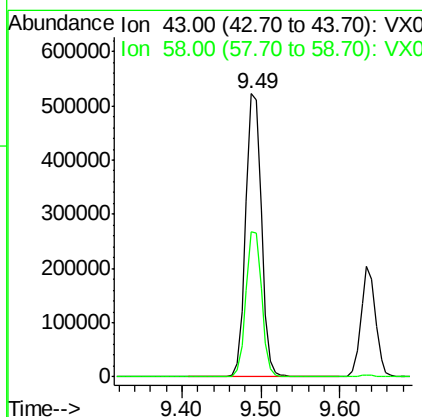
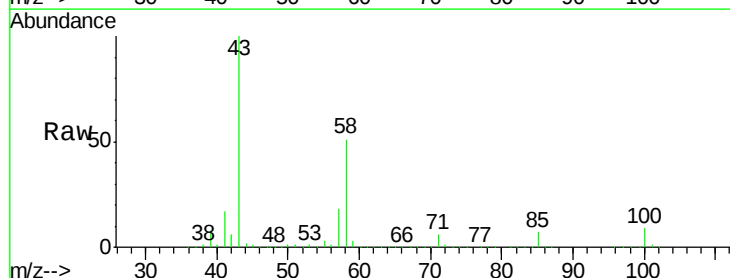
Manual Integrations
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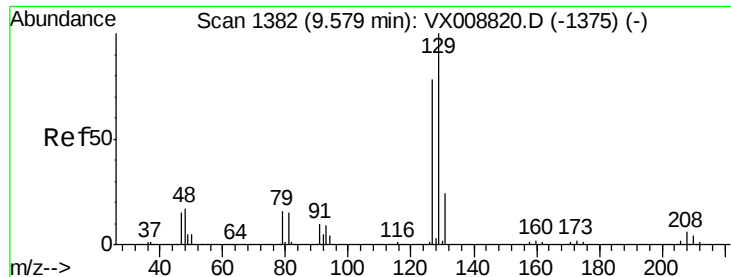
MMDadoda
 4/12/2019 9:46:06 AM



#59
 2-Hexanone
 Concen: 253.736 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.4	25.9	77.7





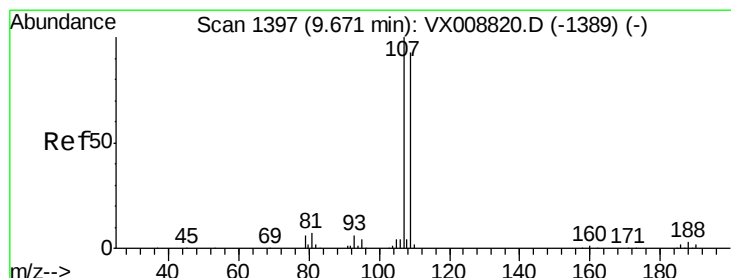
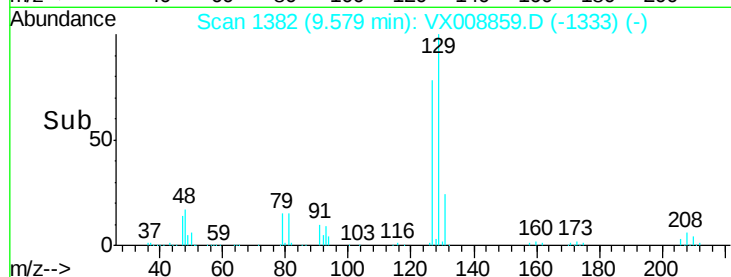
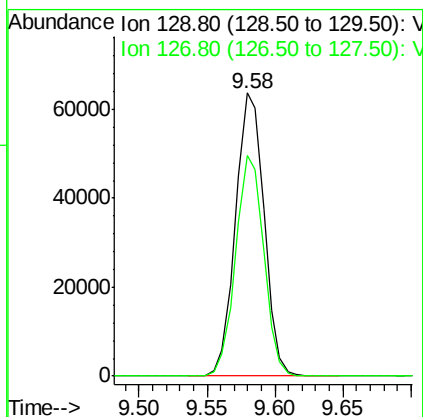
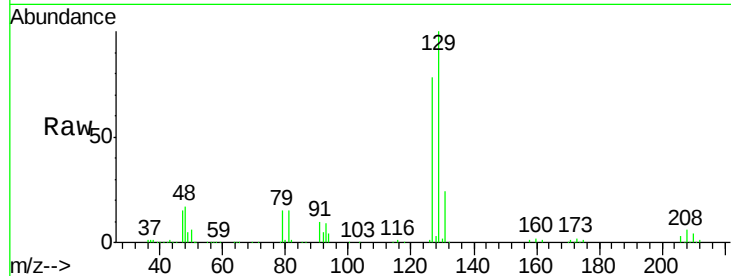
#60
 Dibromochloromethane
 Concen: 51.401 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW139-190409MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.5	115.3

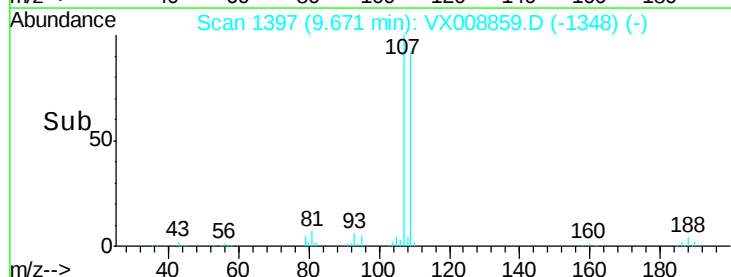
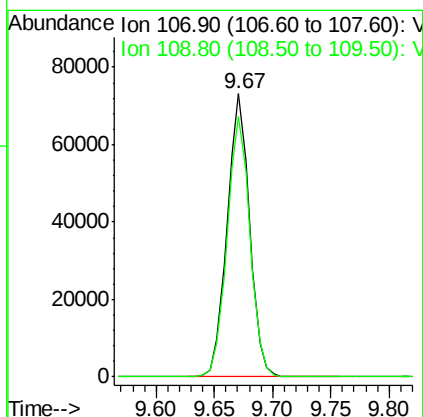
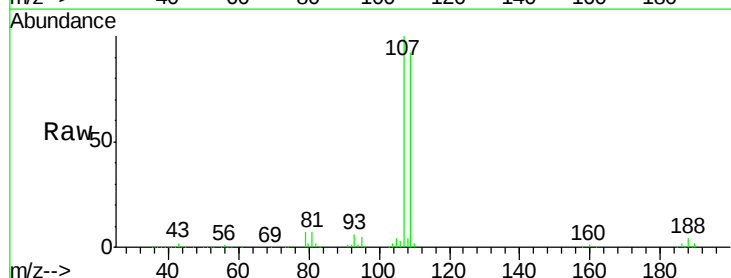
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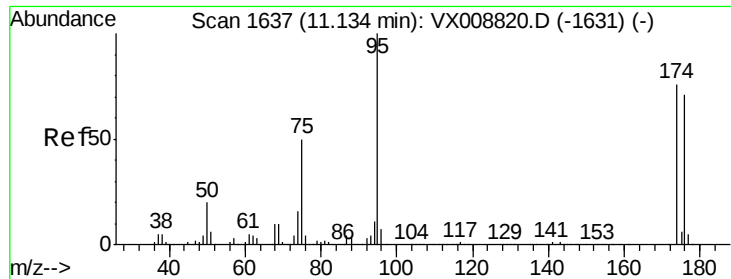
MMDadoda
 4/12/2019 9:46:06 AM



#61
 1,2-Dibromoethane
 Concen: 48.748 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.1	111.1





#62

4-Bromofluorobenzene

Concen: 48.270 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-190409MSD

Tot Ion: 95 Resp: 108910
Ion Ratio Lower Upper

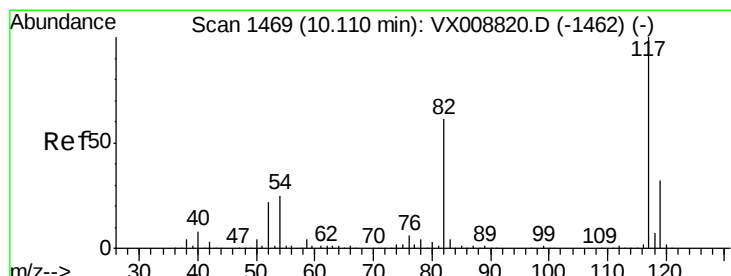
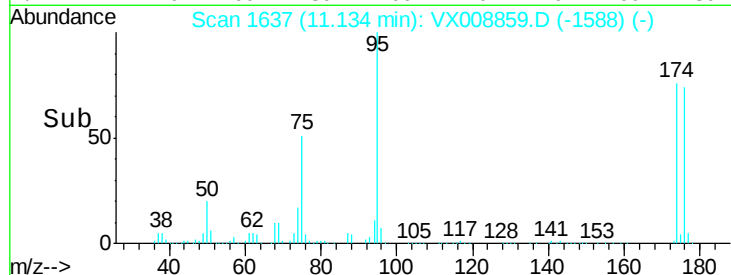
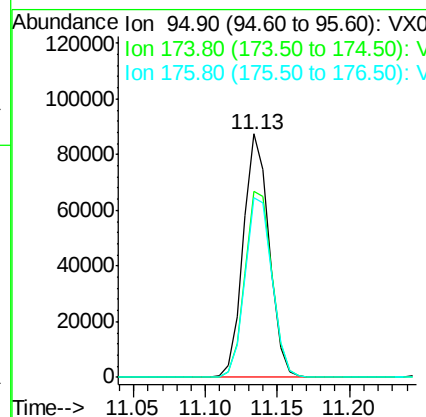
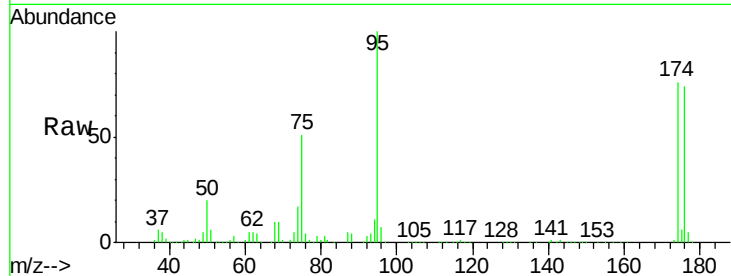
95 100

174 79.2 0.0 151.8

176 76.8 0.0 145.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008859.D

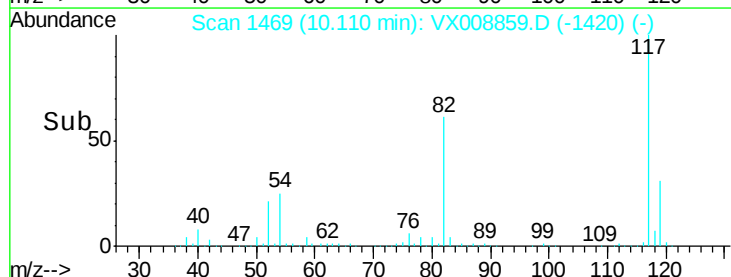
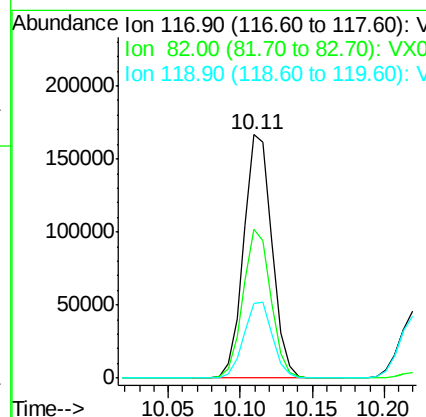
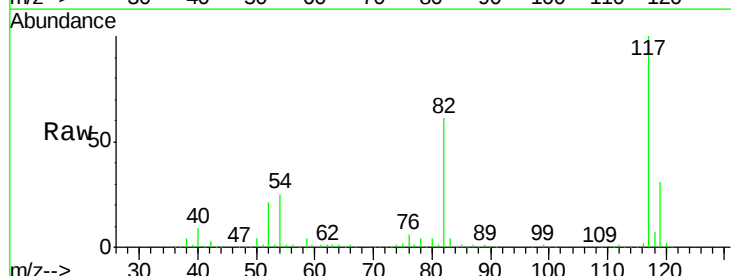
Acq: 11 Apr 2019 18:04

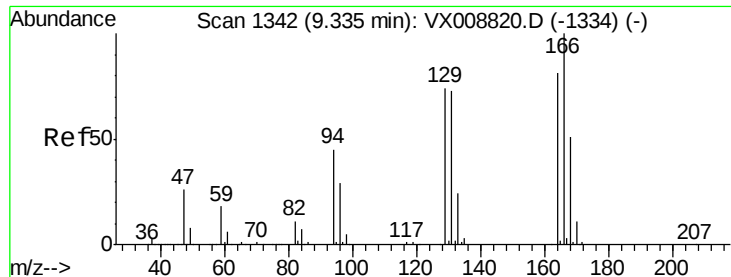
Tgt Ion: 117 Resp: 226750
Ion Ratio Lower Upper

117 100

82 61.2 49.6 74.4

119 30.8 25.0 37.4





#64

Tetrachloroethene

Concen: 190.724 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-190409MSD

Tot Ion:164 Resp: 320413

Ion Ratio Lower Upper

164 100

166 124.7 101.0 151.6

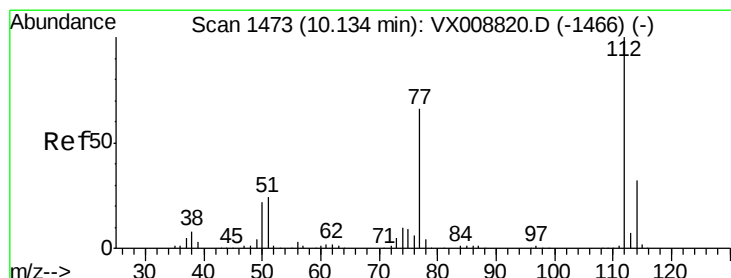
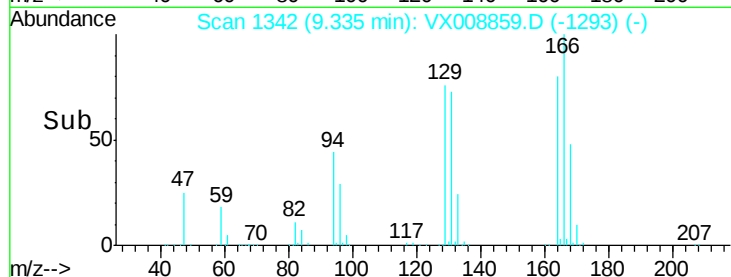
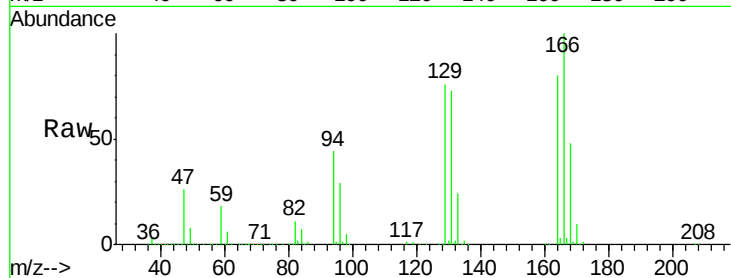
129 94.6 75.8 113.8

131 90.5 71.8 107.8

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#65

Chlorobenzene

Concen: 48.308 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008859.D

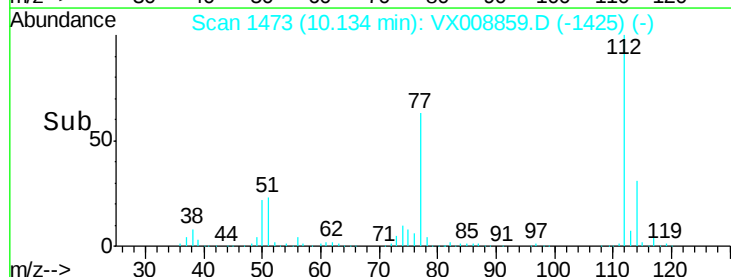
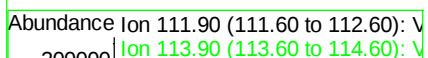
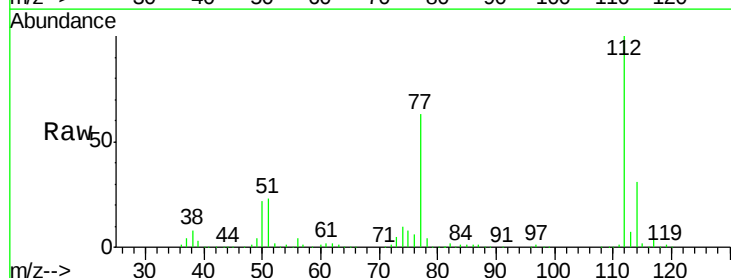
Acq: 11 Apr 2019 18:04

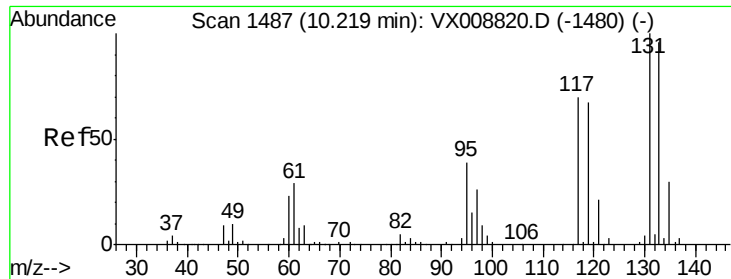
Tgt Ion:112 Resp: 242813

Ion Ratio Lower Upper

112 100

114 31.3 25.8 38.8





#66

1,1,1,2-Tetrachloroethane

Concen: 48.426 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

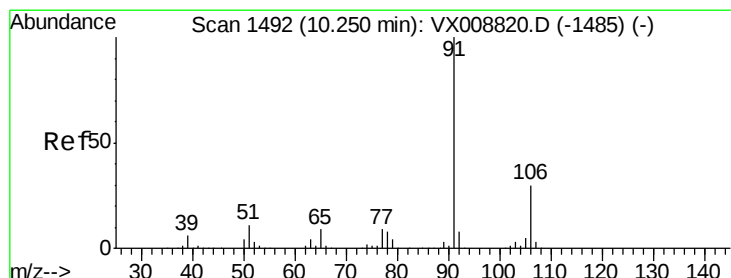
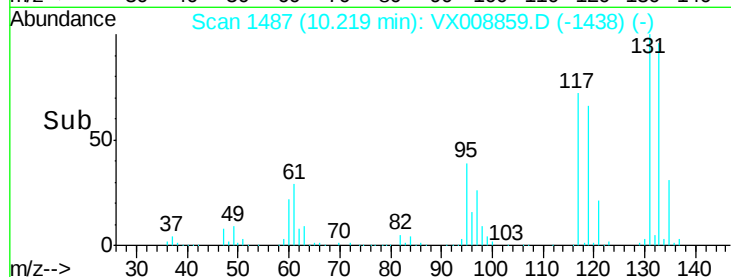
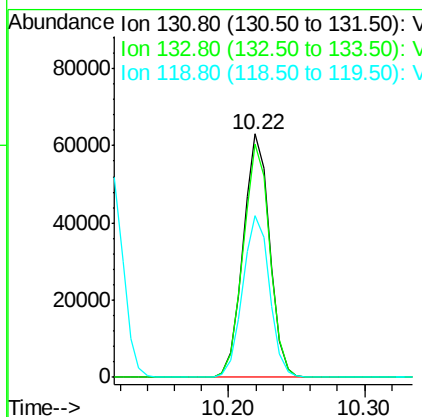
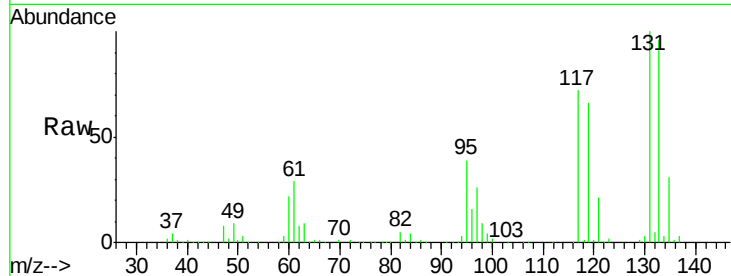
ClientSampleId :

KY062MW139-190409MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.0	141.2
119	67.5	33.7	101.0

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#67

Ethyl Benzene

Concen: 48.266 ug/l

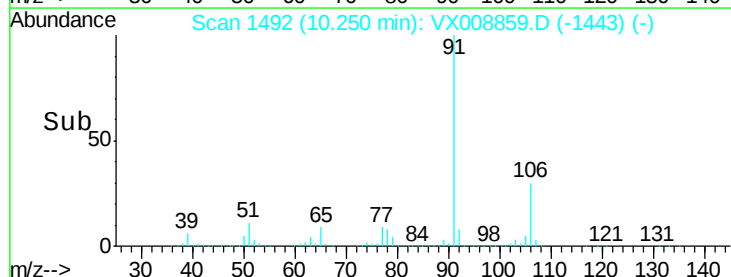
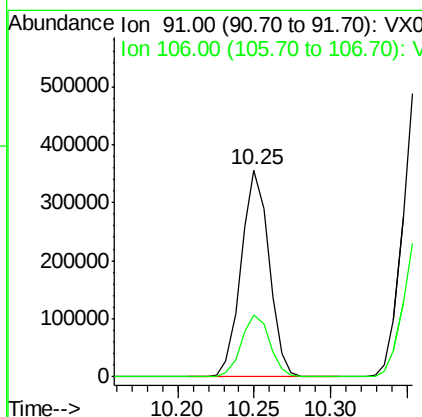
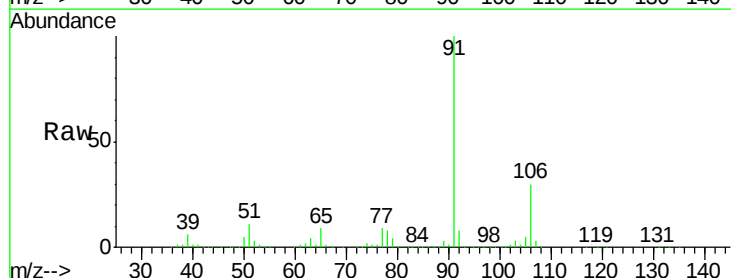
RT: 10.25 min Scan# 1492

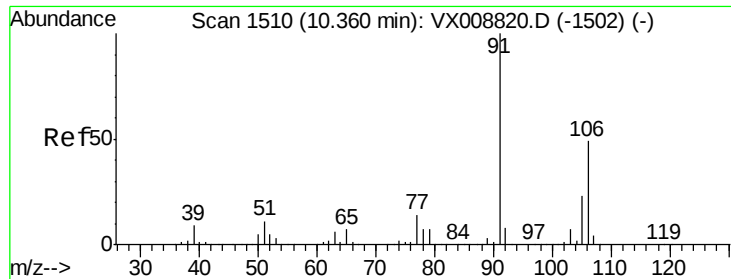
Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.7	35.5





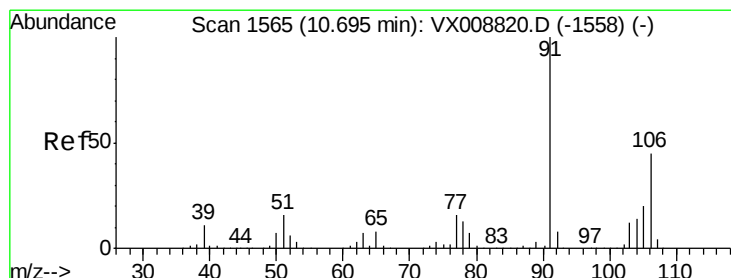
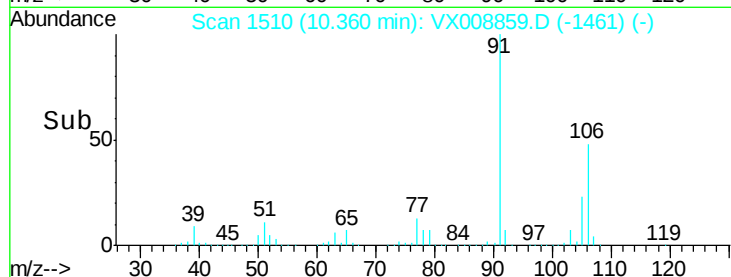
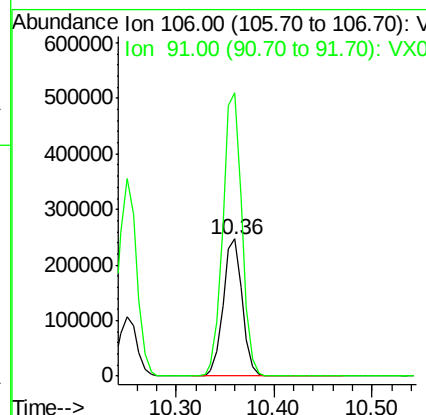
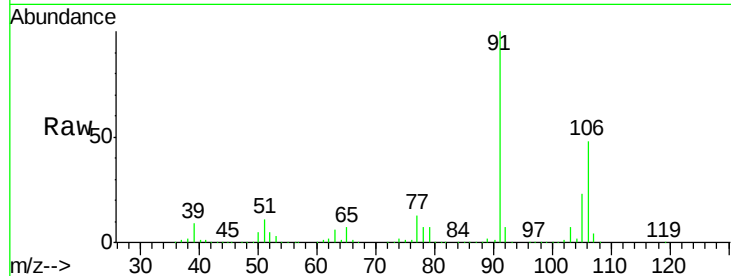
#68
m/p-Xylenes
Concen: 98.363 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-190409MSD

Tot Ion:106 Resp: 331474
Ion Ratio Lower Upper
106 100
91 207.6 168.5 252.7

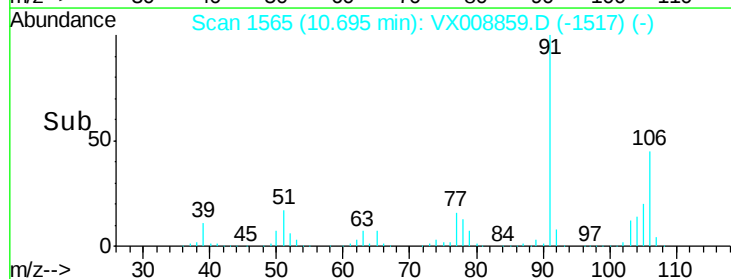
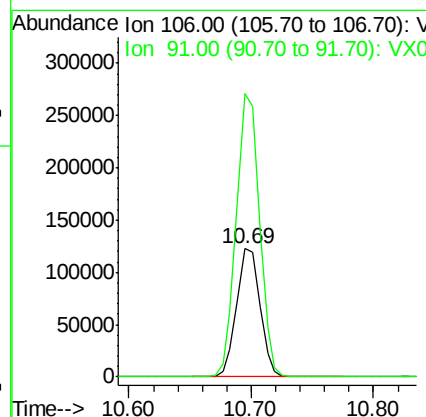
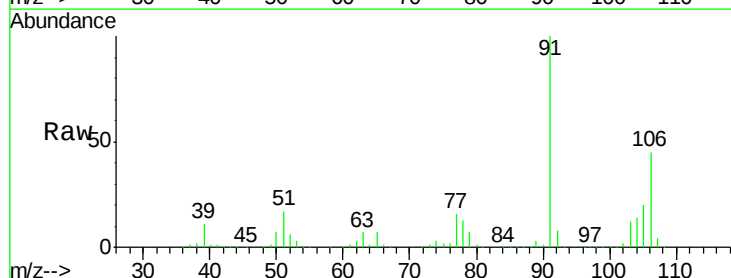
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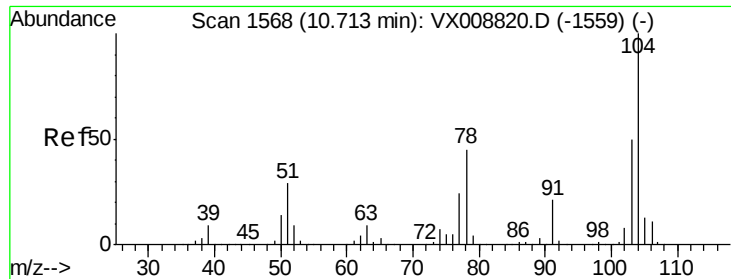
MMDadoda
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#69
o-Xylene
Concen: 49.452 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Tgt Ion:106 Resp: 161500
Ion Ratio Lower Upper
106 100
91 220.1 111.5 334.4





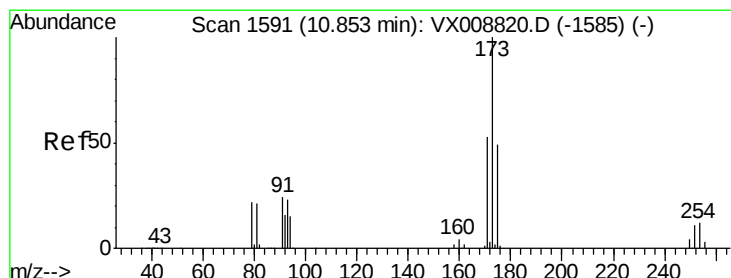
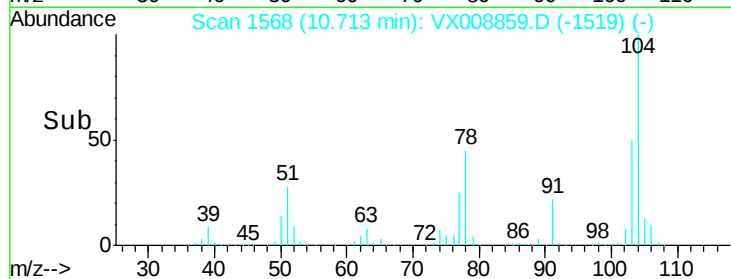
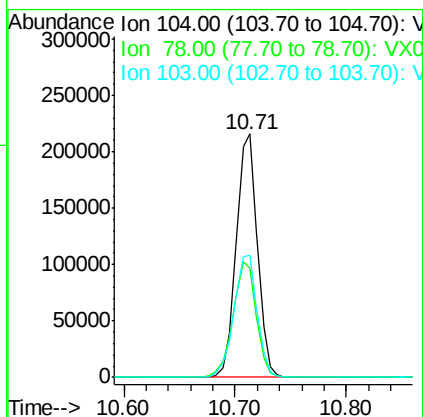
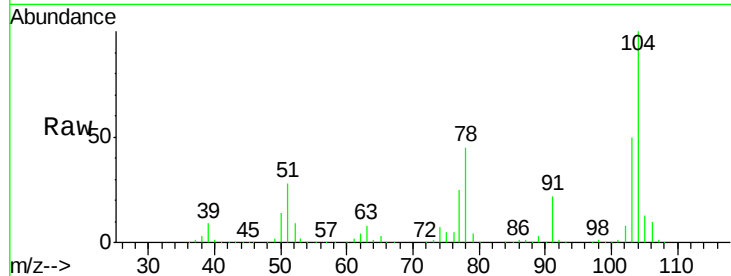
#70
Stvrene
Concen: 50.411 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-190409MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	283788		
78	51.9	42.3	63.5	
103	55.1	44.4	66.6	

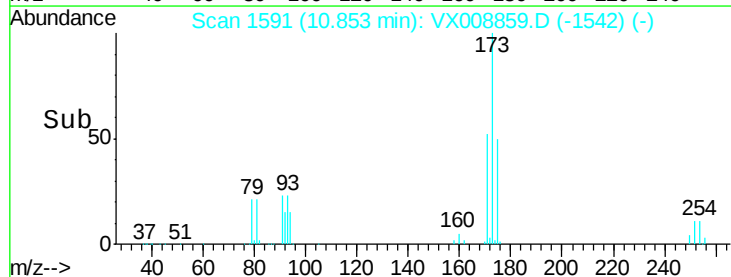
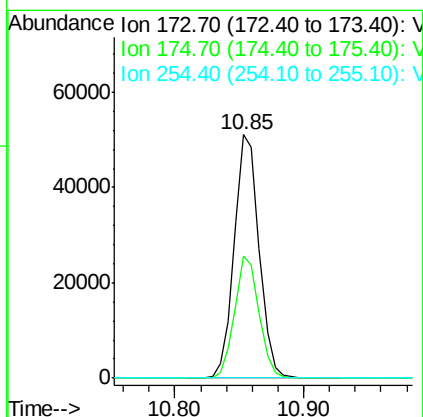
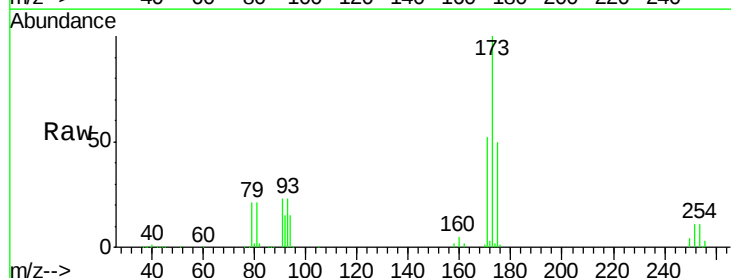
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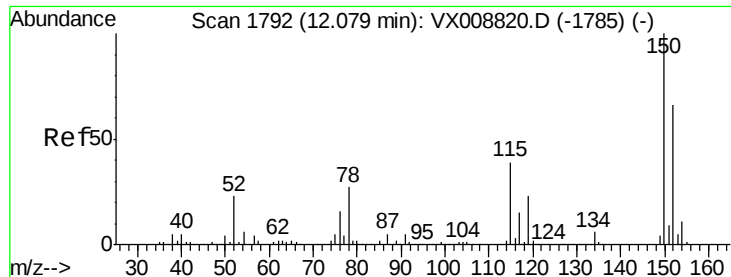
MMDadoda
4/12/2019 9:46:06 AM



#71
Bromoform
Concen: 51.163 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	68903		
175	49.3	24.9	74.6	
254	0.2	0.1	0.1#	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-190409MSD

Tot Ion:152 Resp: 107912

Ion Ratio Lower Upper

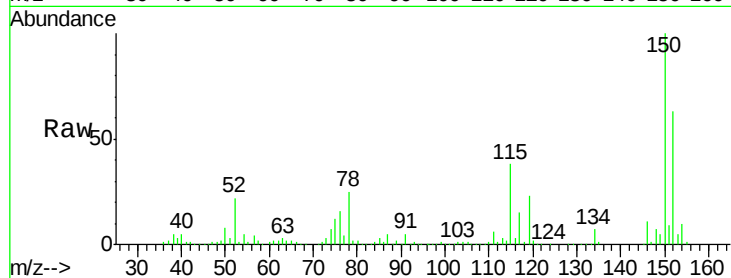
152 100

115 84.5 43.5 130.5

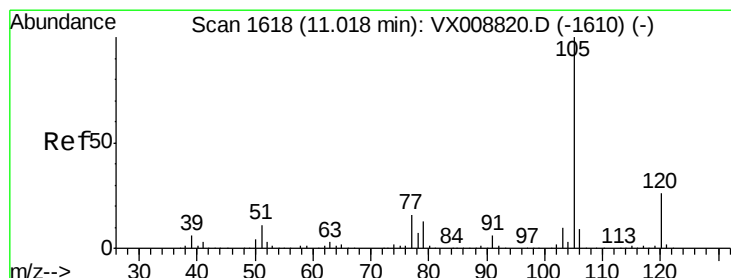
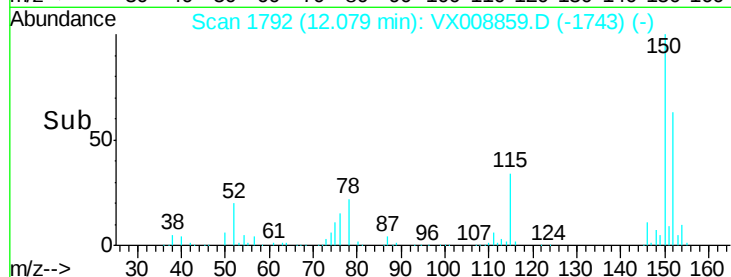
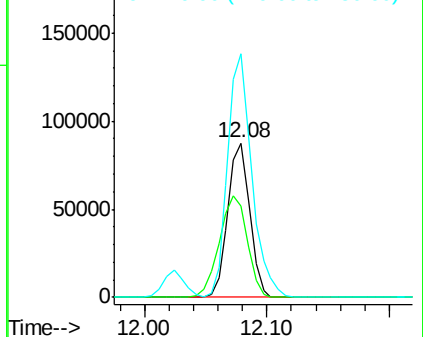
150 175.1 0.0 348.8

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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: 47.755 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008859.D

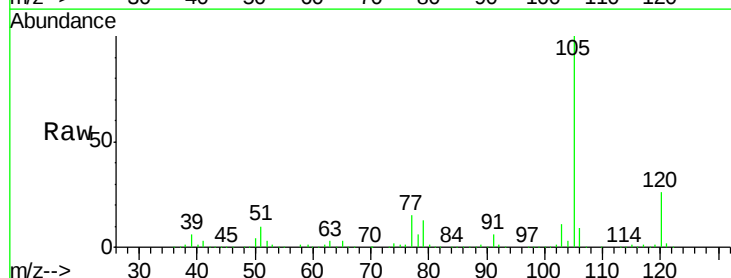
Acq: 11 Apr 2019 18:04

Tgt Ion:105 Resp: 427073

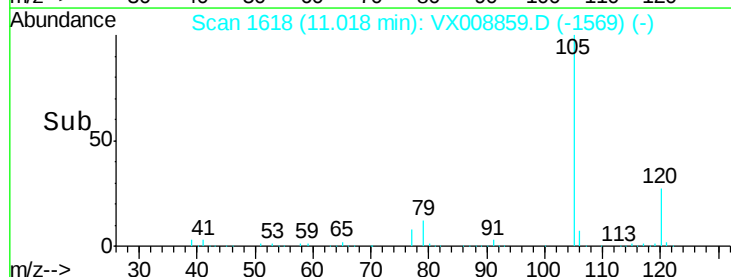
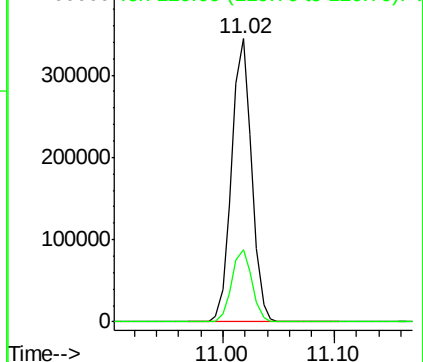
Ion Ratio Lower Upper

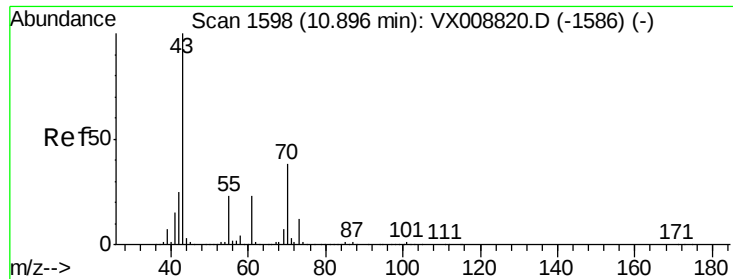
105 100

120 25.9 12.9 38.6



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





#74

N-amvl acetate

Concen: 48.295 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

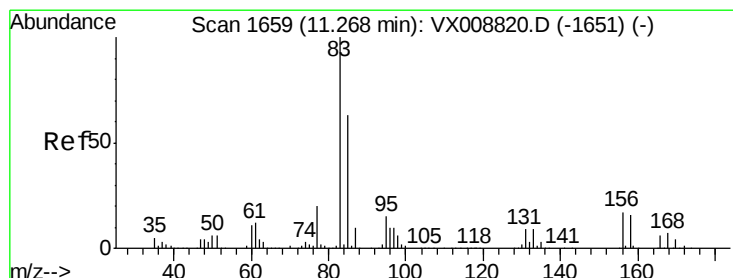
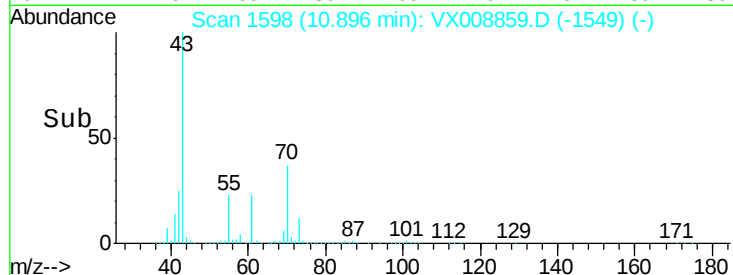
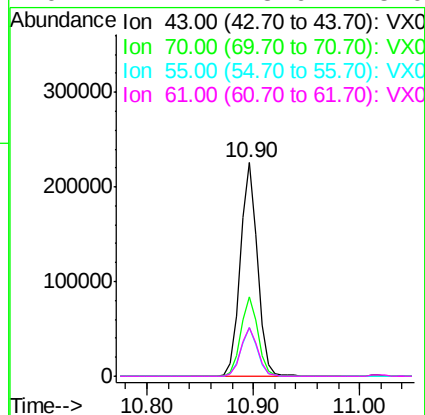
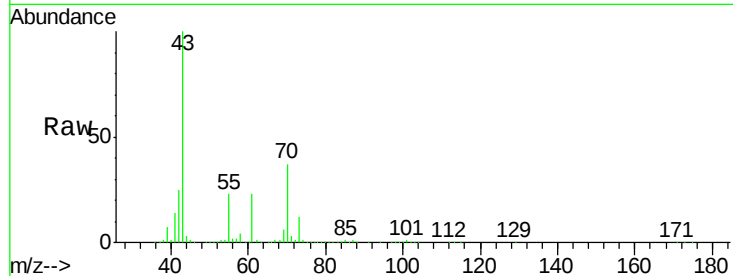
ClientSampleId :

KY062MW139-190409MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		254108		
70	37.2	30.2	45.4		
55	22.3	18.2	27.4		
61	22.4	18.6	28.0		

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#75

1,1,2,2-Tetrachloroethane

Concen: 45.993 ug/l

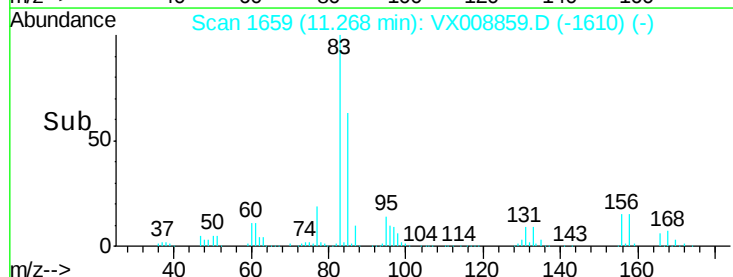
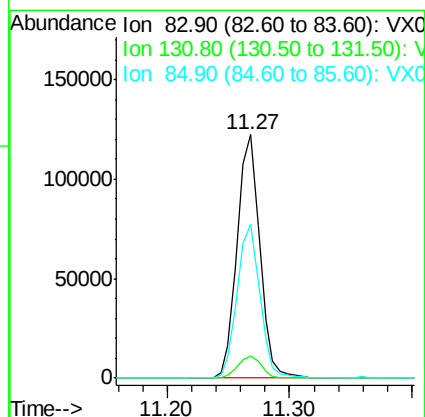
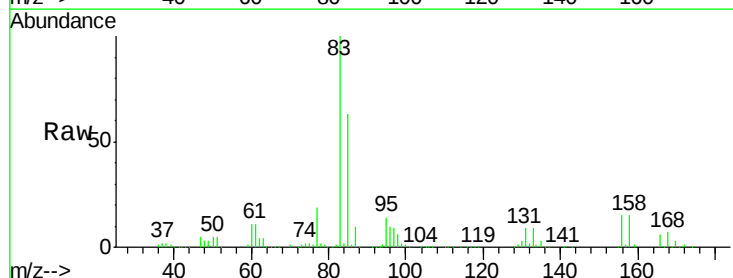
RT: 11.27 min Scan# 1659

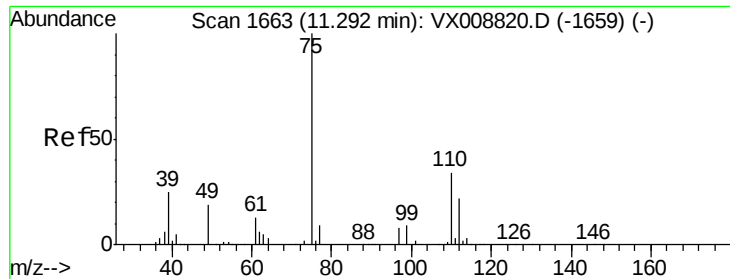
Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		156429		
131	9.4	4.5	13.7		
85	63.6	32.0	96.2		





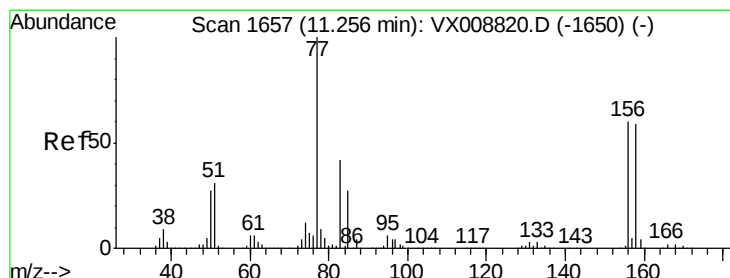
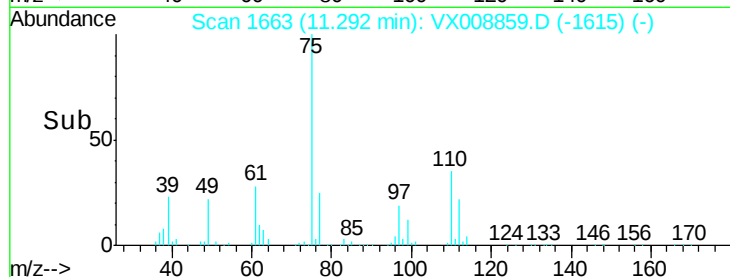
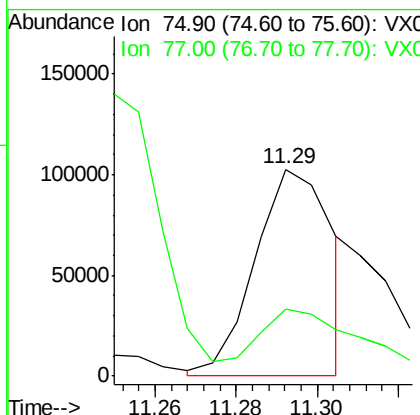
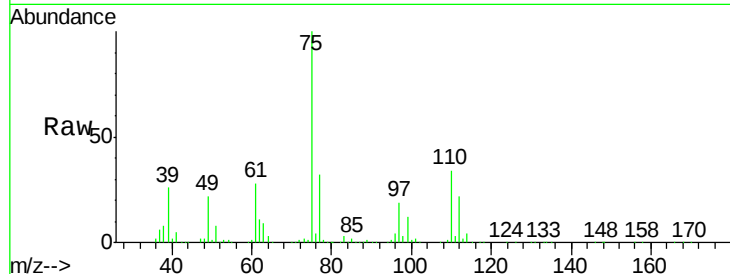
#76
 1,2,3-Trichloropropane
 Concen: 45.657 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.01 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW139-190409MSD

Tot Ion: 75 Resp: 135348
 Ion Ratio Lower Upper
 75 100
 77 43.9 22.3 66.8

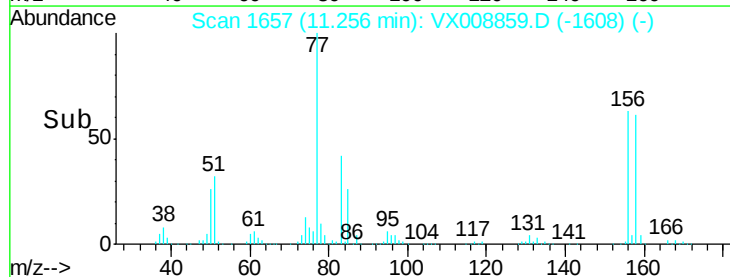
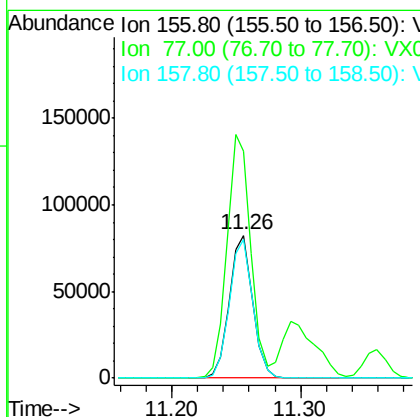
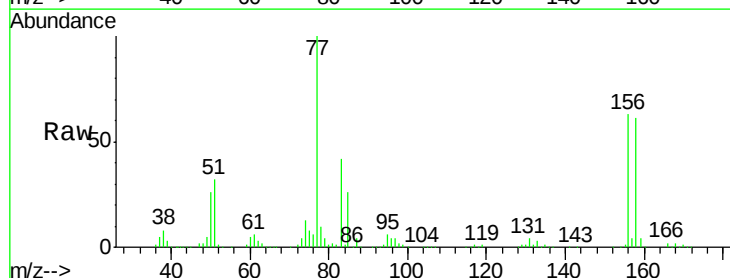
Manual Integrations
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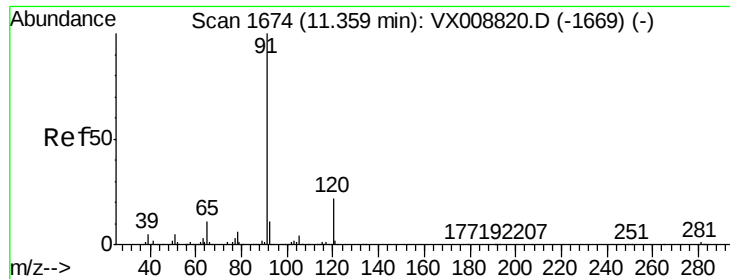
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 4/12/2019 9:46:06 AM



#77
 Bromobenzene
 Concen: 48.736 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Tgt Ion: 156 Resp: 104778
 Ion Ratio Lower Upper
 156 100
 77 174.1 89.8 269.6
 158 97.5 48.6 145.9





#78

n-propylbenzene

Concen: 47.599 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-190409MSD

Tot Ion: 91 Resp: 495645

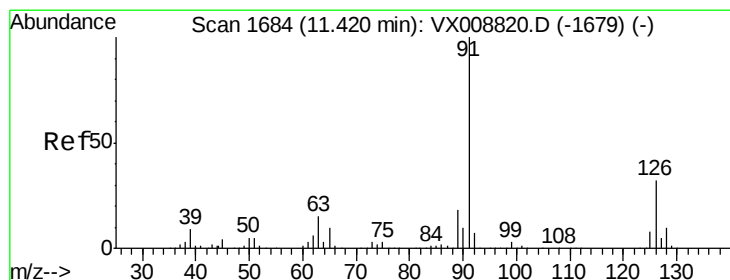
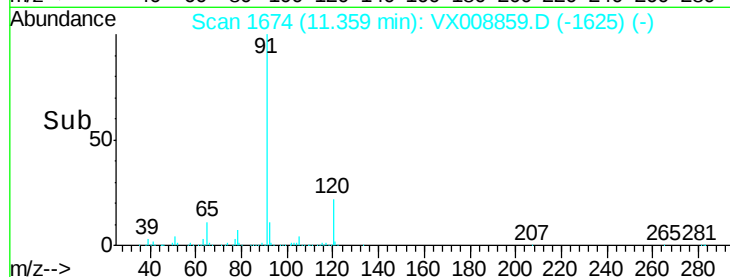
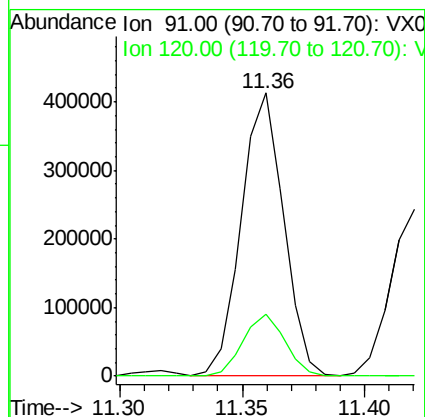
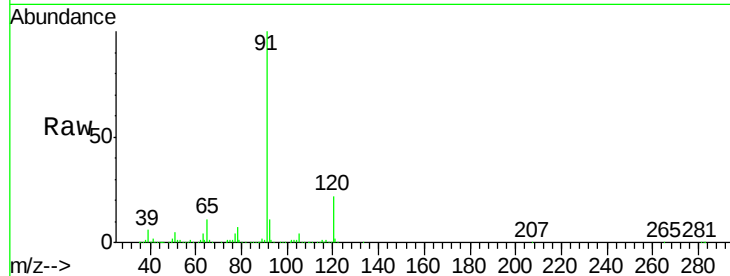
Ion Ratio Lower Upper

91 100

120 22.0 10.9 32.7

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#79

2-Chlorotoluene

Concen: 47.004 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008859.D

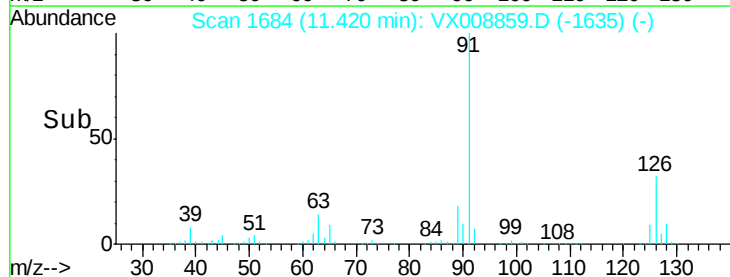
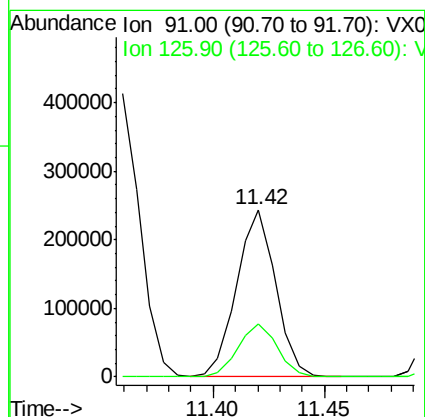
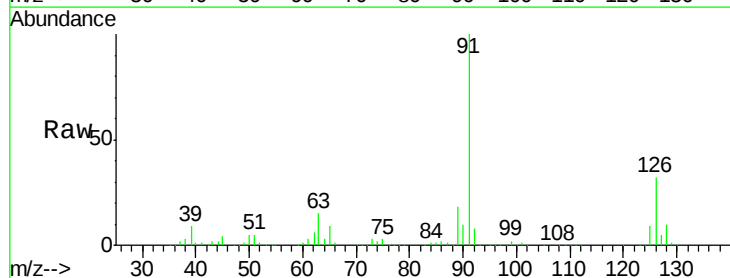
Acq: 11 Apr 2019 18:04

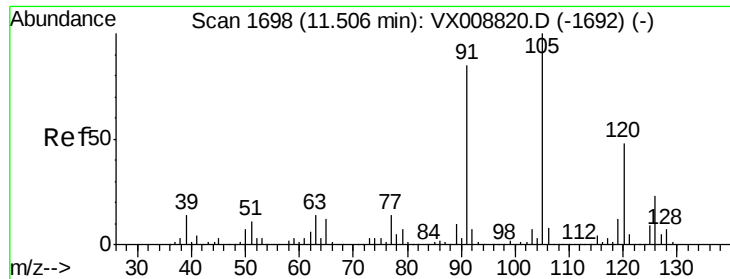
Tgt Ion: 91 Resp: 296196

Ion Ratio Lower Upper

91 100

126 32.1 16.1 48.3





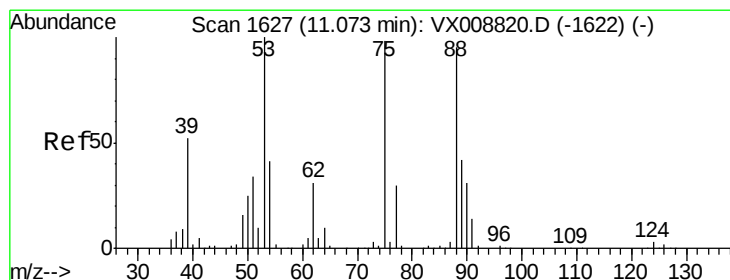
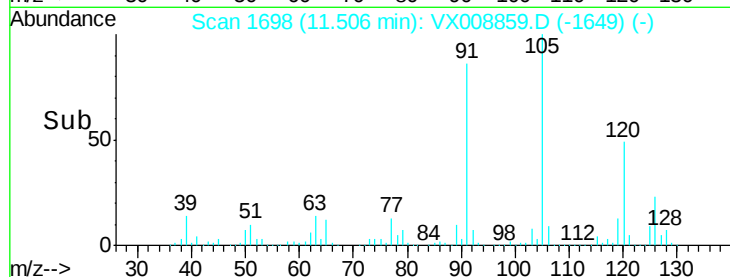
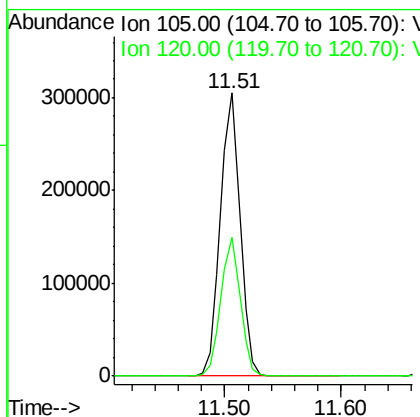
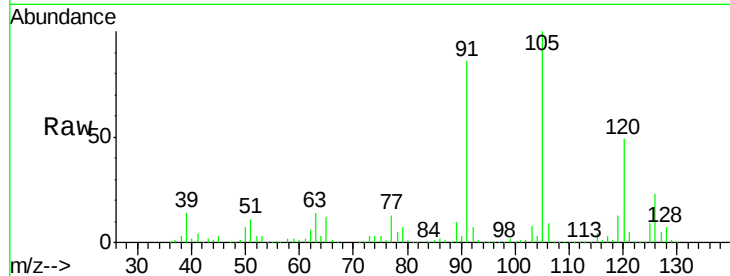
#80
 1,3,5-Trimethylbenzene
 Concen: 47.732 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW139-190409MSD

Tot Ion:105 Resp: 358316
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.5 70.6

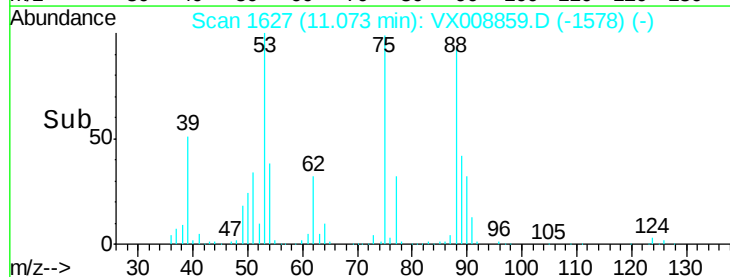
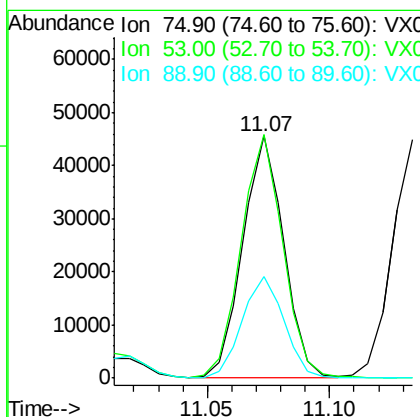
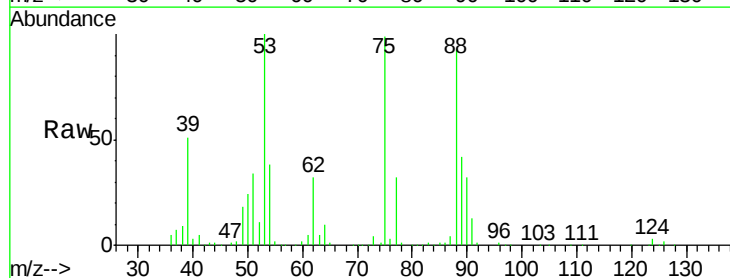
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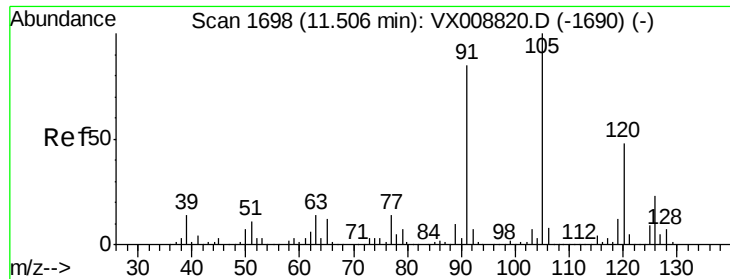
MMDadoda
 4/12/2019 9:46:06 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.291 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Tgt Ion: 75 Resp: 53008
 Ion Ratio Lower Upper
 75 100
 53 102.1 81.3 121.9
 89 43.4 35.6 53.4





#82

4-Chlorotoluene

Concen: 46.615 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-190409MSD

Tot Ion: 91 Resp: 340015

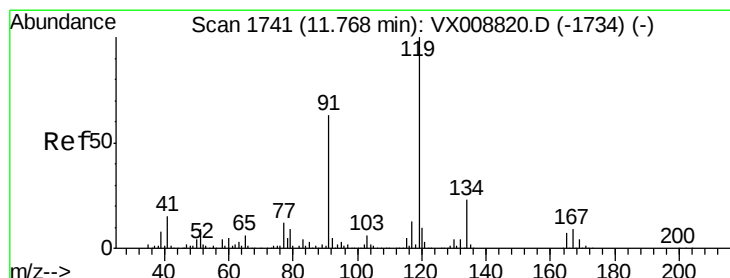
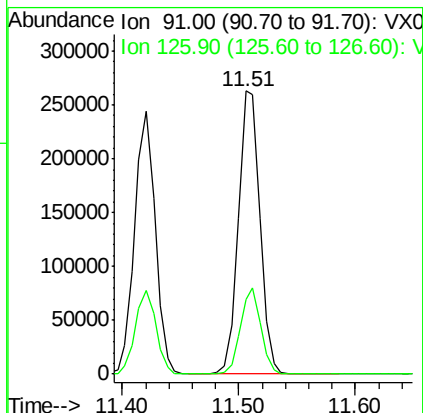
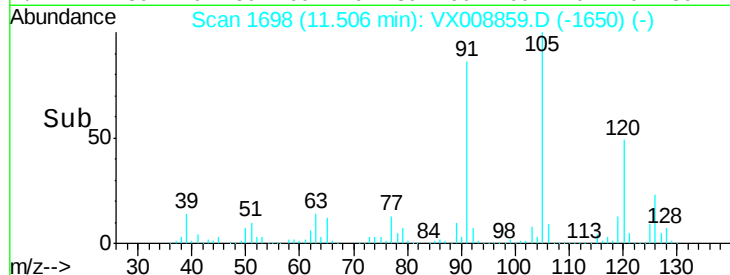
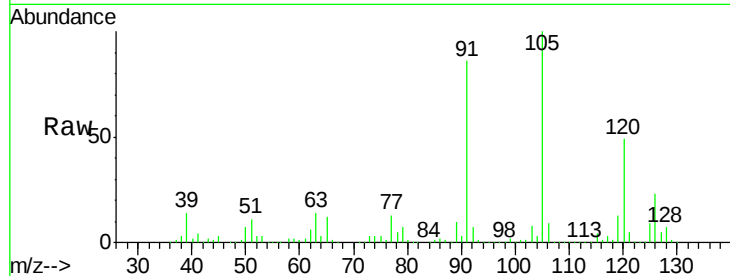
Ion Ratio Lower Upper

91 100

126 28.6 13.9 41.6

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#83

tert-Butylbenzene

Concen: 47.348 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

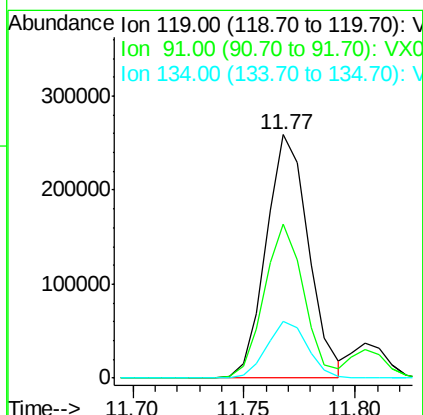
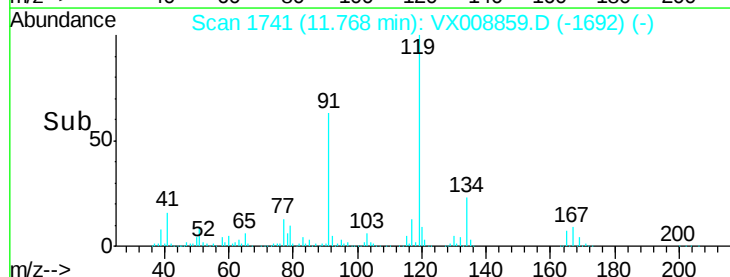
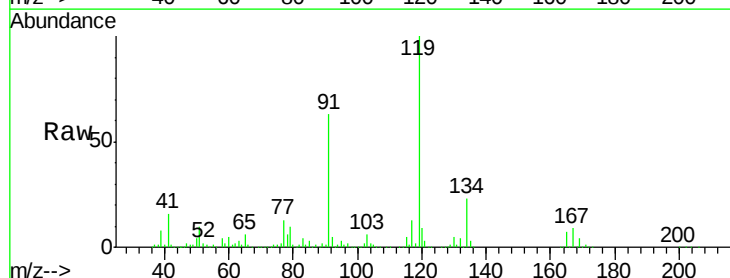
Tgt Ion: 119 Resp: 341955

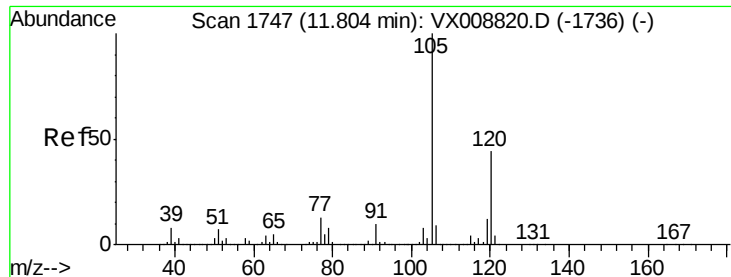
Ion Ratio Lower Upper

119 100

91 59.7 30.0 90.1

134 22.4 11.1 33.3





#84

1,2,4-Trimethylbenzene

Concen: 47.709 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-190409MSD

Tot Ion:105 Resp: 362648

Ion Ratio Lower Upper

105 100

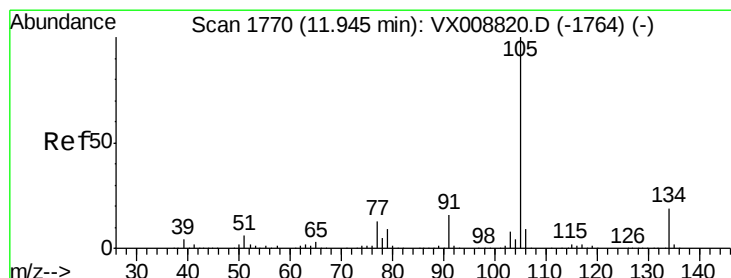
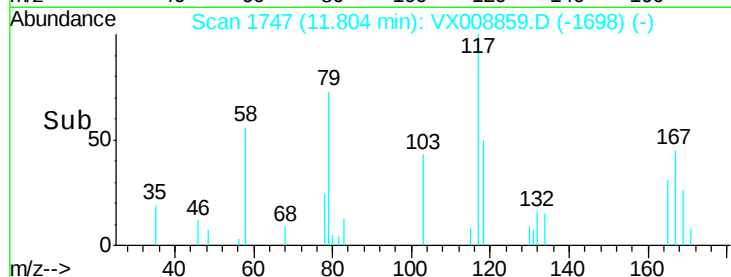
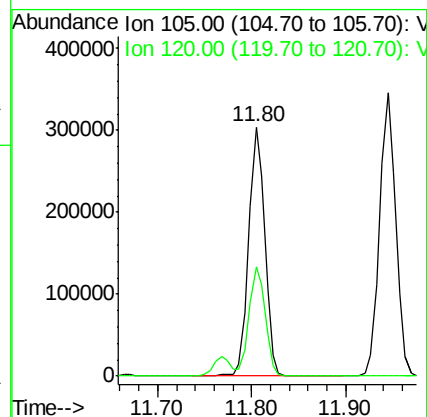
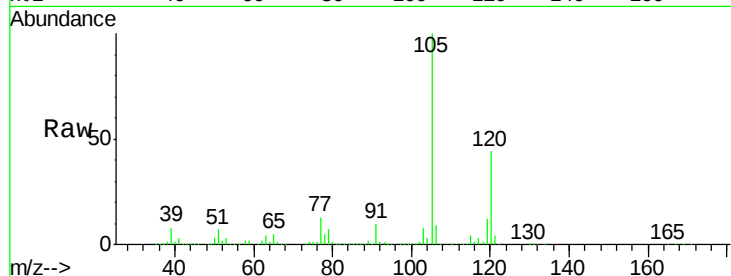
120 43.7 21.8 65.3

Manual Integrations

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#85

sec-Butylbenzene

Concen: 47.975 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008859.D

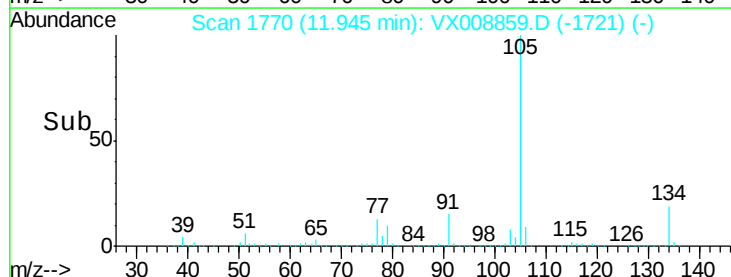
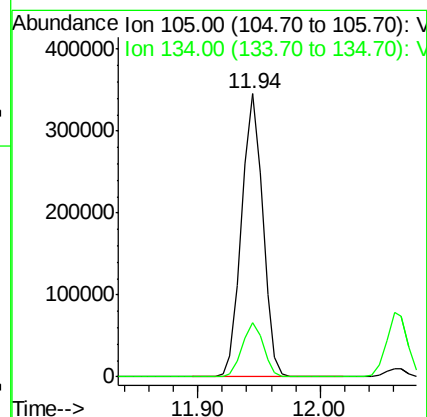
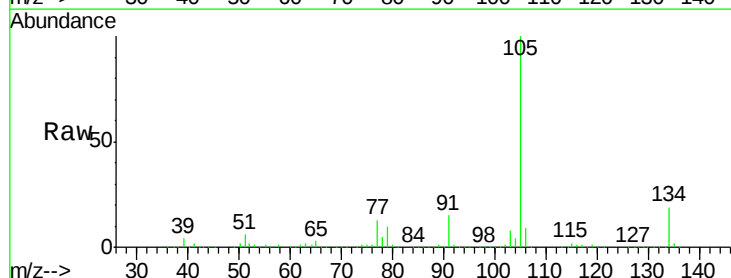
Acq: 11 Apr 2019 18:04

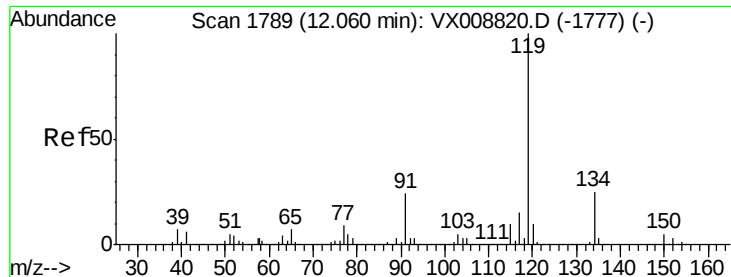
Tgt Ion:105 Resp: 411563

Ion Ratio Lower Upper

105 100

134 19.2 9.4 28.2





#86

p-Isopropyltoluene

Concen: 48.544 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

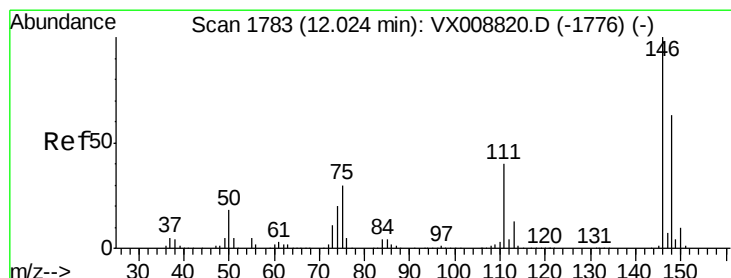
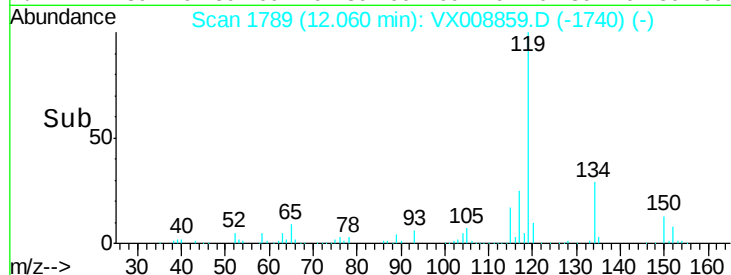
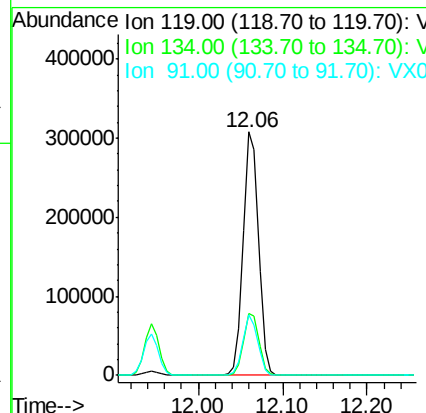
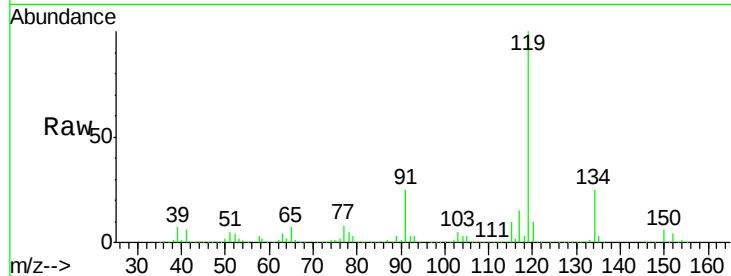
ClientSampleId :

KY062MW139-190409MSD

Tot Ion:	119	Resp:	373779
Ion Ratio	Lower	Upper	
119	100		
134	25.6	12.8	38.4
91	24.0	12.2	36.6

Manual Integrations
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#87

1,3-Dichlorobenzene

Concen: 47.743 ug/l

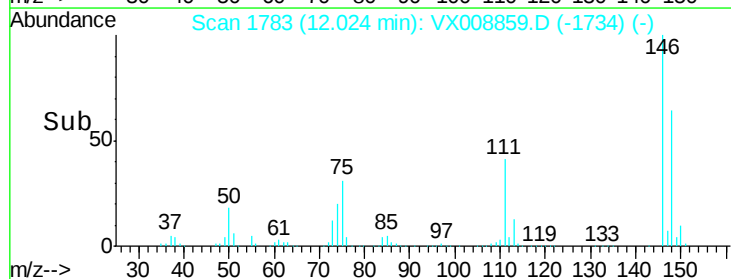
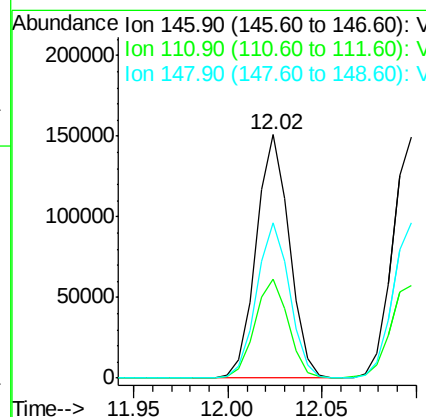
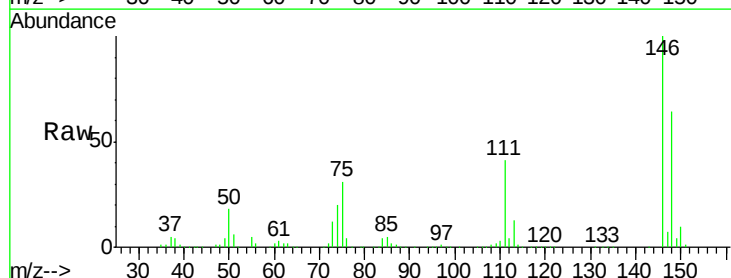
RT: 12.02 min Scan# 1783

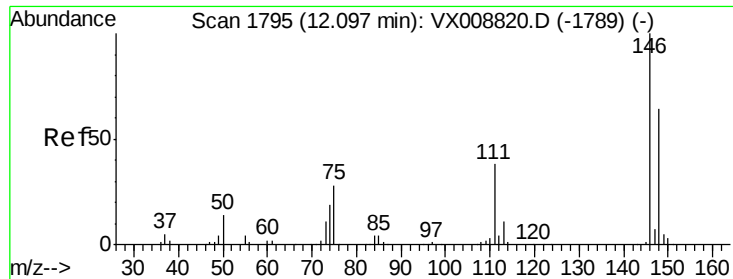
Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Tgt Ion:	146	Resp:	183755
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.5	61.5
148	63.5	31.6	94.7





#88

1,4-Dichlorobenzene

Concen: 47.016 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

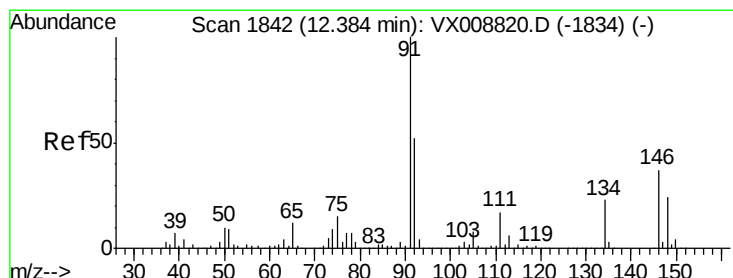
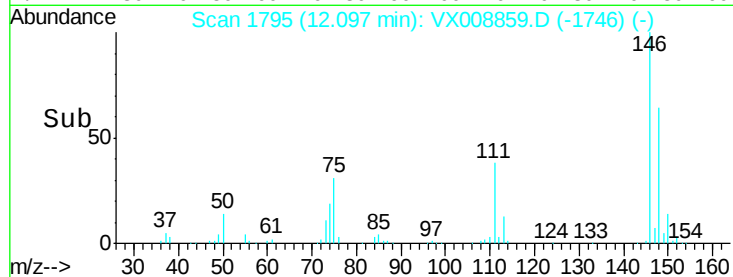
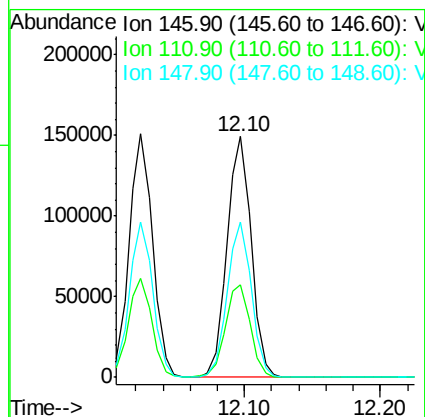
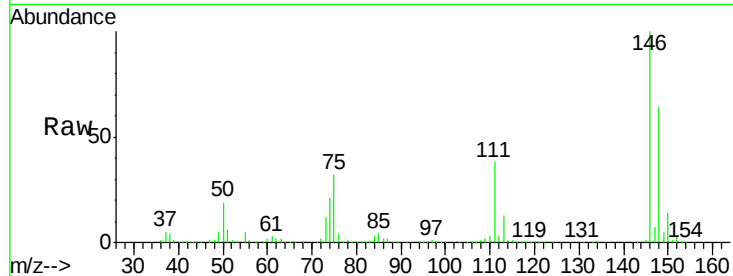
ClientSampleId :

KY062MW139-190409MSD

Tot Ion:	146	Resp:	183240
Ion Ratio	Lower	Upper	
146	100		
111	39.8	20.2	60.6
148	64.5	32.0	96.0

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#89

n-Butylbenzene

Concen: 47.611 ug/l

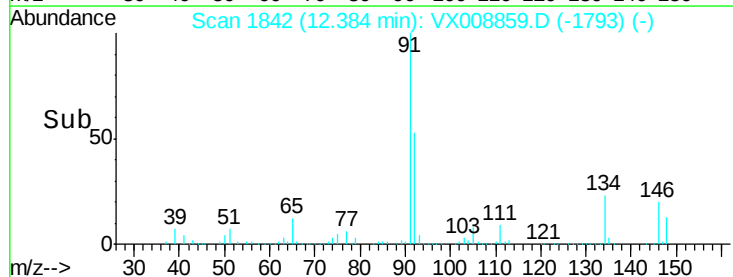
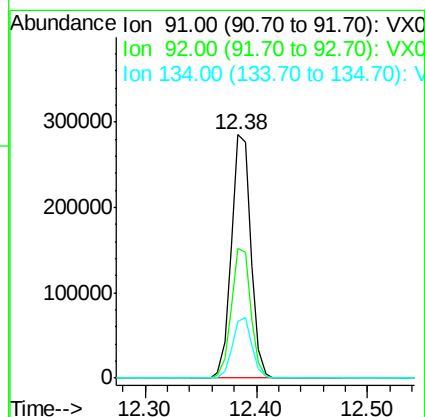
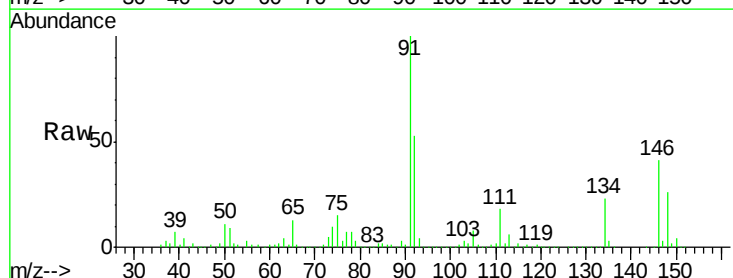
RT: 12.38 min Scan# 1842

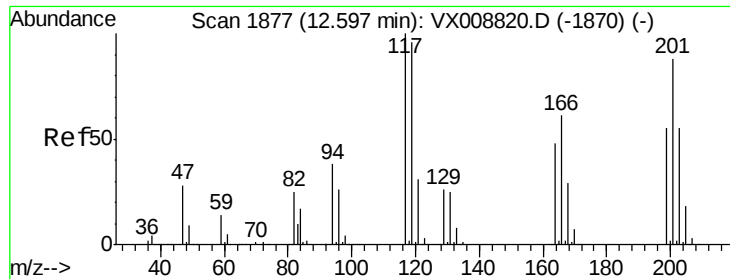
Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Tgt Ion:	91	Resp:	343796
Ion Ratio	Lower	Upper	
91	100		
92	53.1	26.4	79.2
134	24.5	12.0	36.0





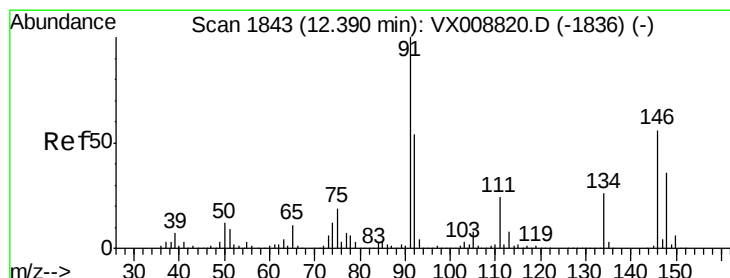
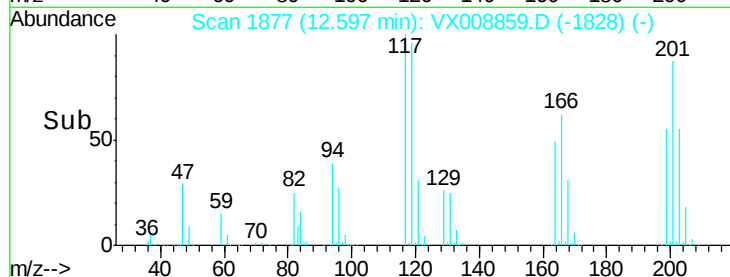
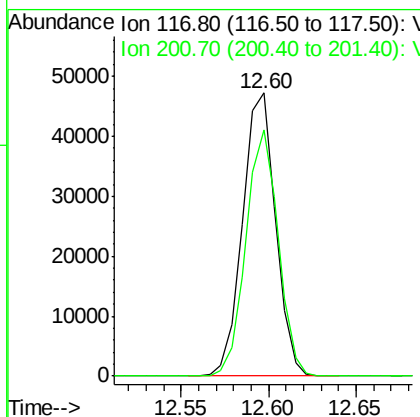
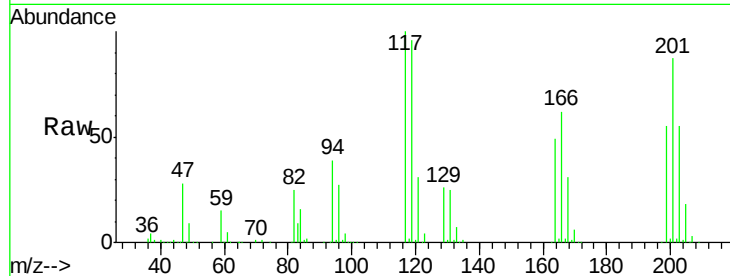
#90
Hexachloroethane
Concen: 48.504 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-190409MSD

Tot Ion:117 Resp: 61943
Ion Ratio Lower Upper
117 100
201 85.1 40.6 122.0

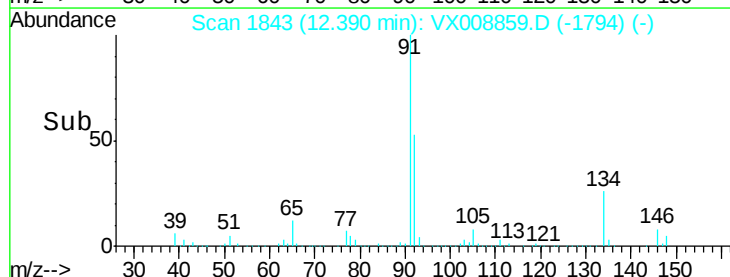
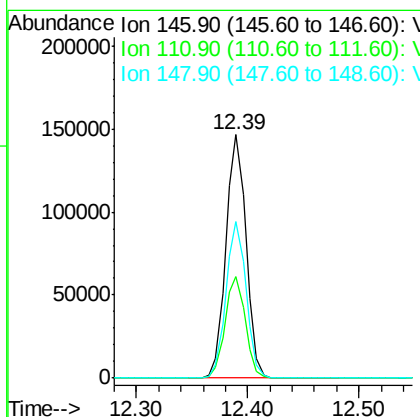
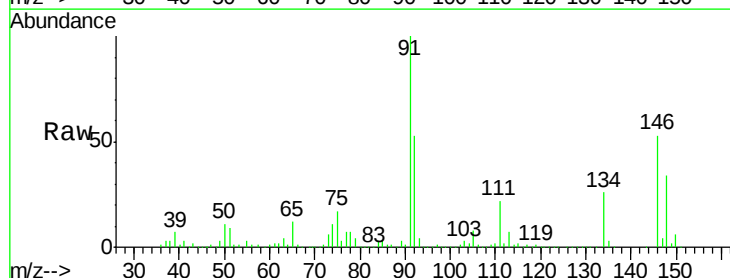
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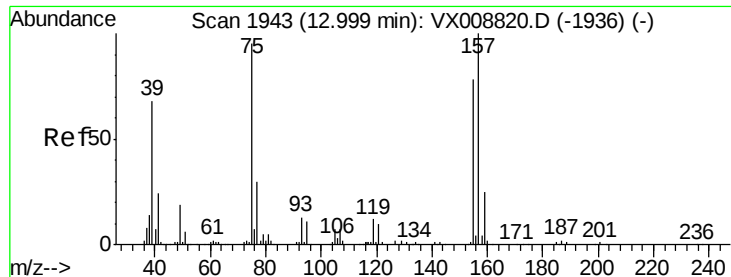
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#91
1,2-Dichlorobenzene
Concen: 47.912 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX008859.D
Acq: 11 Apr 2019 18:04

Tgt Ion:146 Resp: 183089
Ion Ratio Lower Upper
146 100
111 41.7 21.3 63.9
148 64.2 31.7 95.1





#92

1,2-Dibromo-3-Chloropropane

Concen: 46.223 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

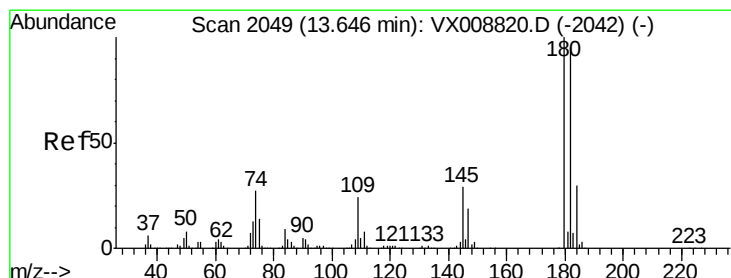
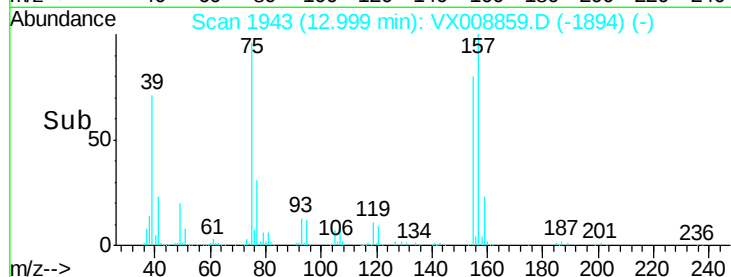
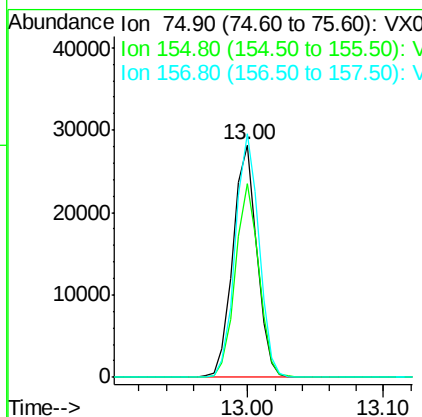
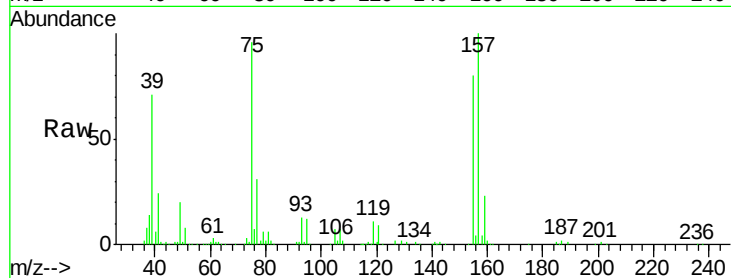
ClientSampleId :

KY062MW139-190409MSD

Tot Ion:	75	Resp:	34584
Ion Ratio	Lower	Upper	
75	100		
155	81.2	39.9	119.6
157	103.1	51.5	154.7

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 48.176 ug/l

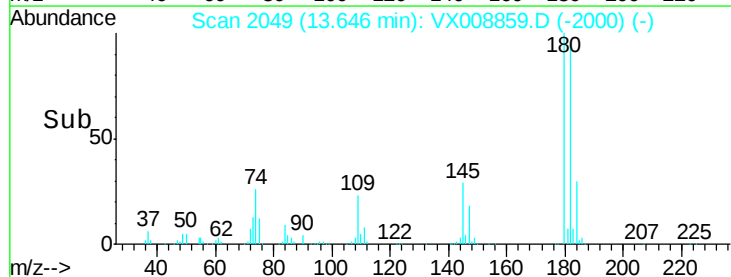
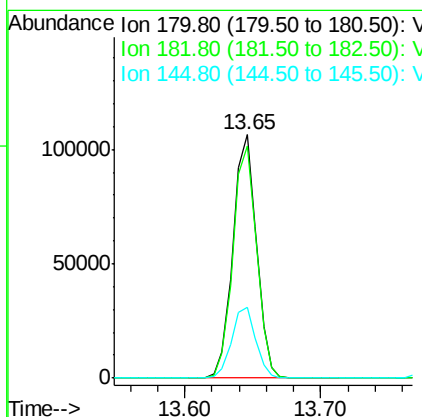
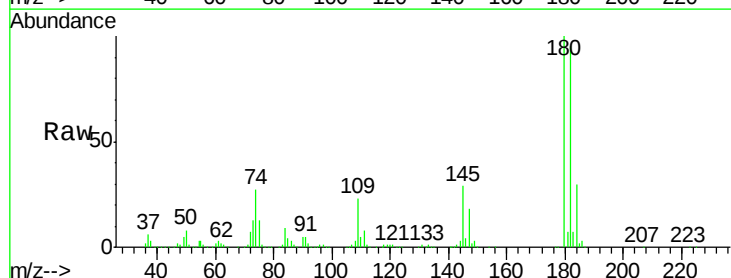
RT: 13.65 min Scan# 2049

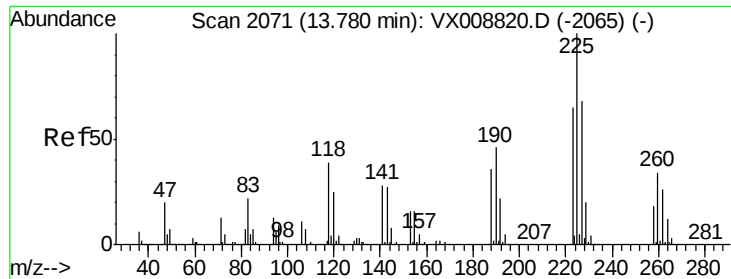
Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Tgt Ion:	180	Resp:	128002
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.2	141.6
145	29.8	15.3	45.9





#94

Hexachlorobutadiene

Concen: 50.390 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Instrument :

MSVOA_X

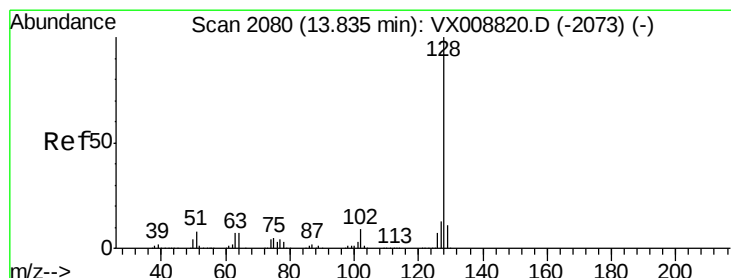
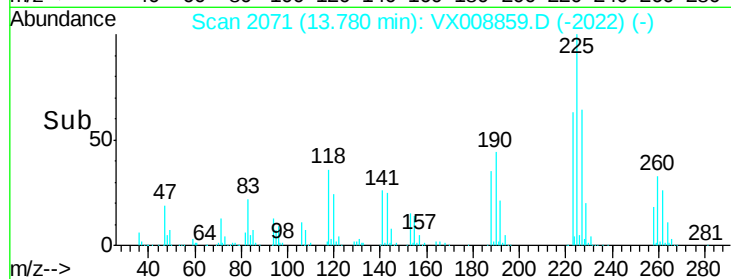
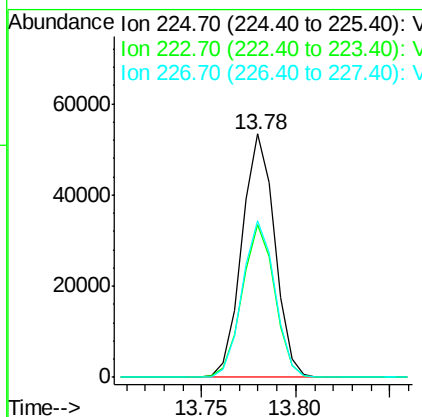
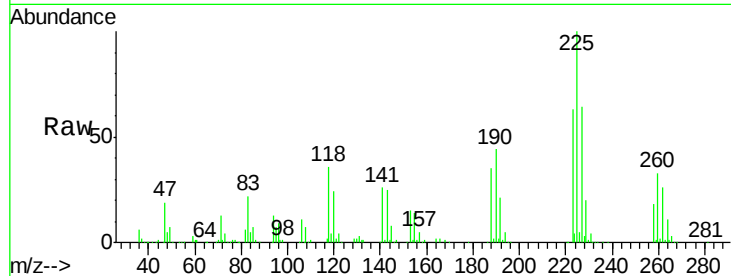
ClientSampleId :

KY062MW139-190409MSD

Tot Ion:	225	Resp:	64209
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.2	93.6
227	63.8	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
4/12/2019 9:46:06 AM



#95

Naphthalene

Concen: 47.548 ug/l

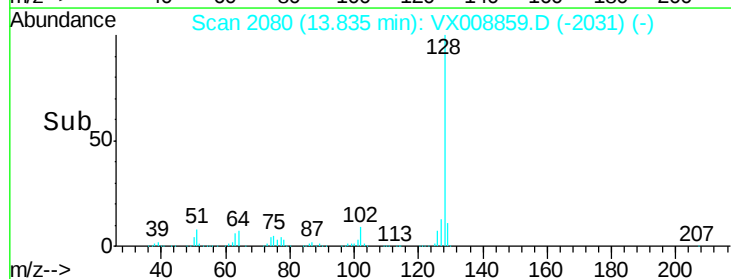
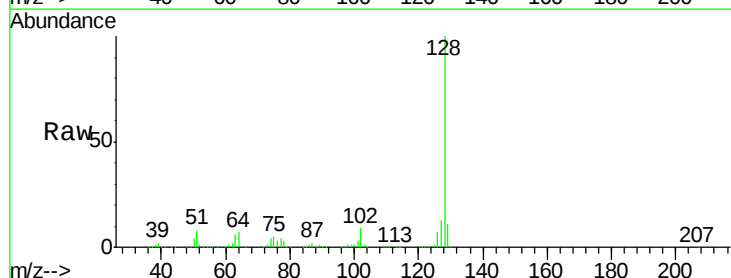
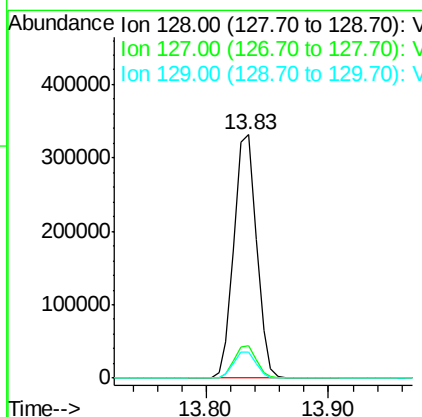
RT: 13.83 min Scan# 2080

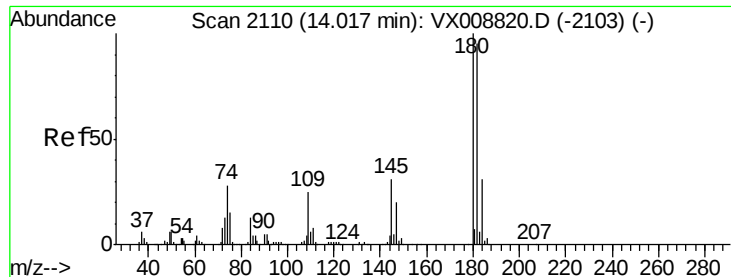
Delta R.T. 0.00 min

Lab File: VX008859.D

Acq: 11 Apr 2019 18:04

Tgt Ion:	128	Resp:	422240
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	13.0





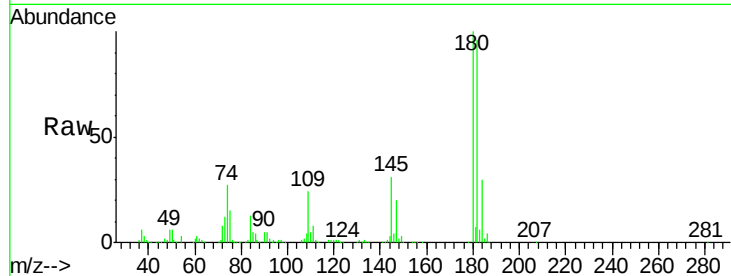
#96
 1,2,3-Trichlorobenzene
 Concen: 48.319 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX008859.D
 Acq: 11 Apr 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW139-190409MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	128272		
182	95.9	48.1	144.3	
145	31.4	16.3	48.8	

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 9:46:06 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

