

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042319\
 Data File : VX009111.D
 Acq On : 23 Apr 2019 11:23
 Operator : JC/SP
 Sample : VX0423WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 12:02:47 PM

Quant Time: Apr 24 05:10:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	207426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	336396	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	296114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139395	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	136805	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	
35) Dibromofluoromethane	5.50	113	100354	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
50) Toluene-d8	8.71	98	401746	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
62) 4-Bromofluorobenzene	11.13	95	142627	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	56908	23.819	ug/l 99
3) Chloromethane	1.33	50	68273	23.277	ug/l 99
4) Vinyl Chloride	1.41	62	64345	22.539	ug/l 99
5) Bromomethane	1.64	94	36074	22.474	ug/l 99
6) Chloroethane	1.72	64	38099	22.695	ug/l 97
7) Trichlorofluoromethane	1.93	101	74372	22.313	ug/l 99
8) Diethyl Ether	2.19	74	33349	21.878	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	47489	22.284	ug/l 100
10) Methyl Iodide	2.51	142	48258	23.297	ug/l 99
11) Tert butyl alcohol	3.04	59	71597	110.340	ug/l 100
12) 1,1-Dichloroethene	2.37	96	48558	21.830	ug/l 100
13) Acrolein	2.29	56	43854	78.219	ug/l 97
14) Allyl chloride	2.73	41	112367	23.154	ug/l 99
15) Acrylonitrile	3.14	53	188149	114.226	ug/l 100
16) Acetone	2.45	43	171078	112.855	ug/l 99
17) Carbon Disulfide	2.57	76	142589	22.520	ug/l 100
18) Methyl Acetate	2.78	43	85163	22.510	ug/l 97
19) Methyl tert-butyl Ether	3.20	73	177084	22.343	ug/l 98
20) Methylene Chloride	2.86	84	57194	22.062	ug/l 97
21) trans-1,2-Dichloroethene	3.17	96	51263	21.606	ug/l 94
22) Diisopropyl ether	3.85	45	218885	23.211	ug/l 97
23) Vinyl Acetate	3.82	43	971688	117.219	ug/l 99
24) 1,1-Dichloroethane	3.70	63	106881	22.578	ug/l 99
25) 2-Butanone	4.67	43	282762	116.695	ug/l 98
26) 2,2-Dichloropropane	4.59	77	77614	21.873	ug/l 100
27) cis-1,2-Dichloroethene	4.60	96	58788	21.824	ug/l 98
28) Bromochloromethane	5.02	49	67944	33.936	ug/l 98
29) Tetrahydrofuran	5.13	42	184466	113.740	ug/l 99
30) Chloroform	5.21	83	96626	22.810	ug/l 100
31) Cyclohexane	5.58	56	104813	22.512	ug/l 98
32) 1,1,1-Trichloroethane	5.50	97	79609	22.675	ug/l 100
36) 1,1-Dichloropropene	5.80	75	74939	21.540	ug/l 100
37) Ethyl Acetate	4.84	43	105072	23.471	ug/l 99
38) Carbon Tetrachloride	5.79	117	65089	22.068	ug/l 94

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 12:02:47 PM

Quant Time: Apr 24 05:10:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	94168	22.231	ug/l	98
40) Benzene	6.15	78	230834	22.491	ug/l	99
41) Methacrylonitrile	5.04	41	58269	22.679	ug/l	97
42) 1,2-Dichloroethane	6.19	62	82648	22.732	ug/l	99
43) Isopropyl Acetate	6.45	43	162206	22.484	ug/l	100
44) Trichloroethene	7.21	130	54220	21.561	ug/l	96
45) 1,2-Dichloropropane	7.51	63	65069	22.852	ug/l	99
46) Dibromomethane	7.66	93	36025	21.740	ug/l	99
47) Bromodichloromethane	7.90	83	72377	22.269	ug/l	98
48) Methyl methacrylate	7.77	41	82868	23.247	ug/l	99
49) 1,4-Dioxane	7.74	88	28770	431.209	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	538447	117.154	ug/l	99
52) Toluene	8.78	92	137967	22.430	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	83512	22.327	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	93910	22.422	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	55231	22.656	ug/l	98
56) Ethyl methacrylate	9.18	69	98759	22.593	ug/l	98
57) 1,3-Dichloropropane	9.37	76	98525	22.699	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	246327	104.644	ug/l	99
59) 2-Hexanone	9.49	43	415054	117.132	ug/l	100
60) Dibromochloromethane	9.58	129	53596	22.939	ug/l	98
61) 1,2-Dibromoethane	9.67	107	56280	22.368	ug/l	99
64) Tetrachloroethene	9.34	164	49192	21.868	ug/l	98
65) Chlorobenzene	10.13	112	139012	22.241	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	49673	22.560	ug/l	99
67) Ethyl Benzene	10.25	91	258293	22.607	ug/l	98
68) m/p-Xylenes	10.36	106	187257	45.097	ug/l	99
69) o-Xylene	10.69	106	90054	22.289	ug/l	98
70) Styrene	10.71	104	157332	22.471	ug/l	99
71) Bromoform	10.85	173	39031	22.250	ug/l #	99
73) Isopropylbenzene	11.02	105	244165	23.109	ug/l	99
74) N-amyl acetate	10.90	43	142024	23.410	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	89068	23.071	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	78973m	23.202	ug/l	
77) Bromobenzene	11.26	156	59087	22.164	ug/l	98
78) n-propylbenzene	11.36	91	280109	23.097	ug/l	100
79) 2-Chlorotoluene	11.42	91	165714	22.676	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	203952	23.003	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	28843	21.755	ug/l	95
82) 4-Chlorotoluene	11.51	91	189739	22.356	ug/l	100
83) tert-Butylbenzene	11.77	119	193888	22.776	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	207551	22.996	ug/l	99
85) sec-Butylbenzene	11.94	105	232268	22.877	ug/l	100
86) p-Isopropyltoluene	12.06	119	211905	22.702	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	103187	22.115	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	104131	22.016	ug/l	99
89) n-Butylbenzene	12.38	91	194051	22.323	ug/l	99
90) Hexachloroethane	12.59	117	34378	22.327	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	103435	22.450	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18883	21.482	ug/l	98

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS01

Manual Integrations
APPROVED

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Quant Time: Apr 24 05:10:33 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	71112	21.381	ug/l	99
94) Hexachlorobutadiene	13.78	225	37058	22.340	ug/l	98
95) Naphthalene	13.83	128	230555	21.637	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	71023	21.643	ug/l	99

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

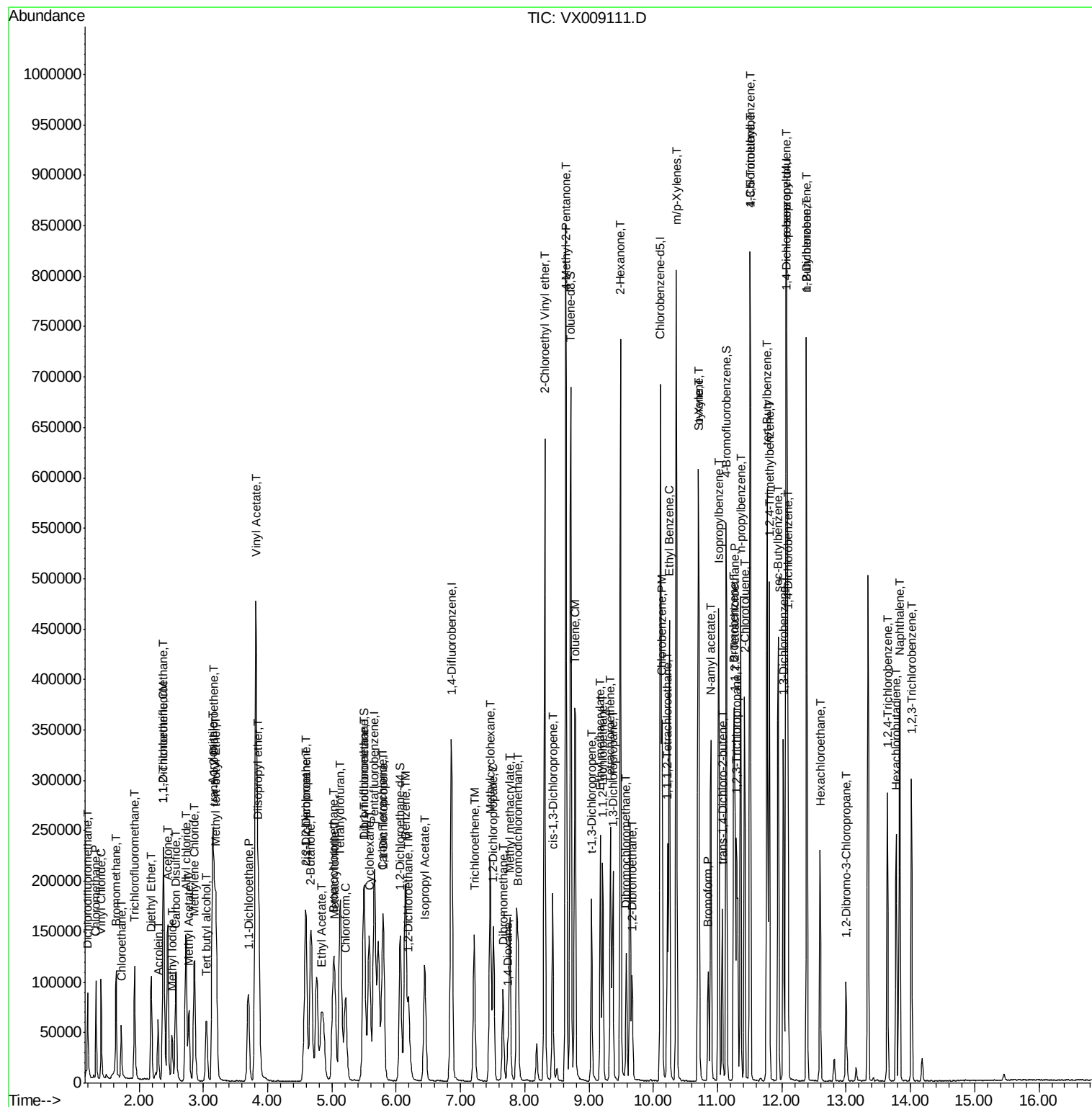
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042319\
 Data File : VX009111.D
 Acq On : 23 Apr 2019 11:23
 Operator : JC/SP
 Sample : VX0423WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

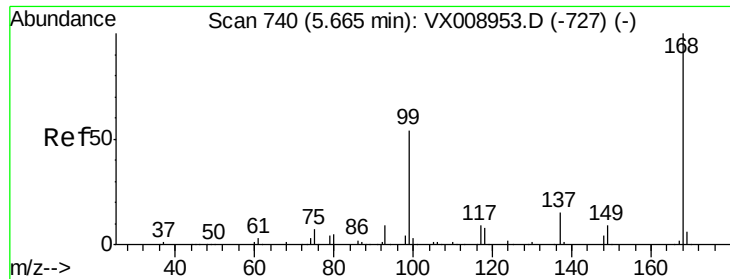
Instrument :
 MSVOA_X
 Client Sample ID :
 VX0423WBS01

Manual Integrations
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Quant Time: Apr 24 05:10:33 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS01

Tot Ion:168 Resp: 207426

Ion Ratio Lower Upper

168 100

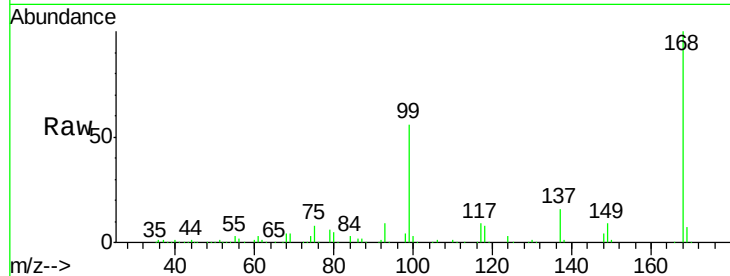
99 55.8 43.0 64.6

Manual Integrations

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4/24/2019 12:02:47 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

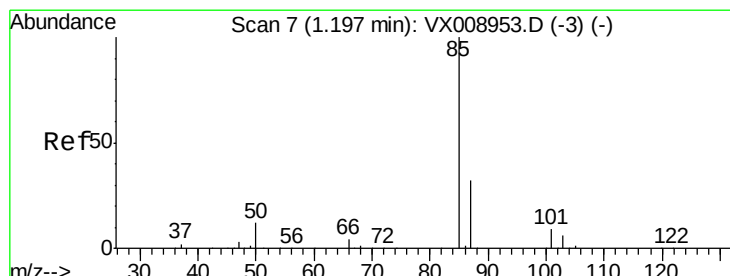
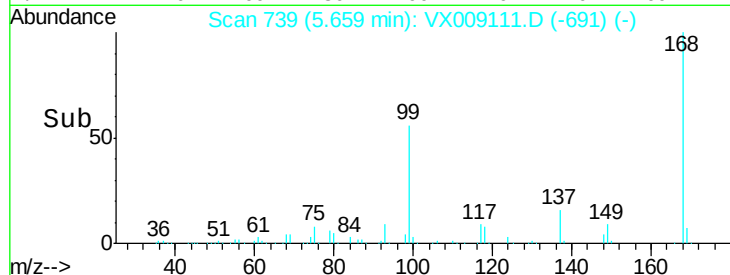
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 23.819 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX009111.D

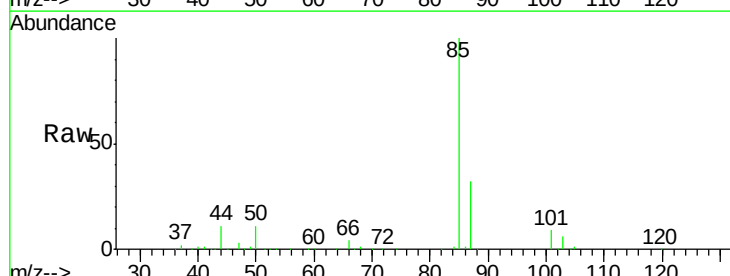
Acq: 23 Apr 2019 11:23

Tgt Ion: 85 Resp: 56908

Ion Ratio Lower Upper

85 100

87 32.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

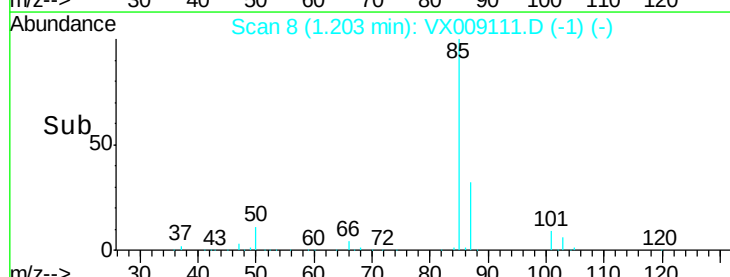
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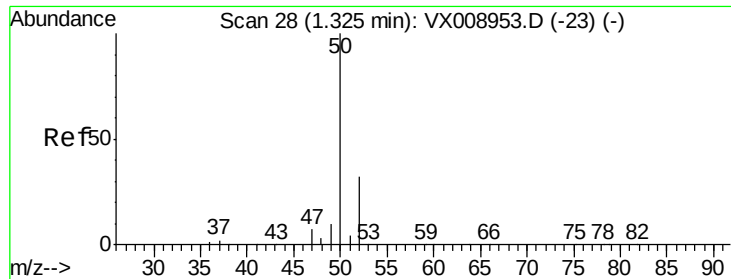
10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 23.277 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS01

Tot Ion: 50 Resp: 68273

Ion Ratio Lower Upper

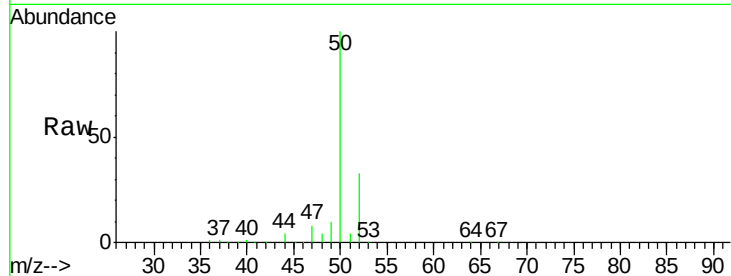
50 100

52 32.7 25.5 38.3

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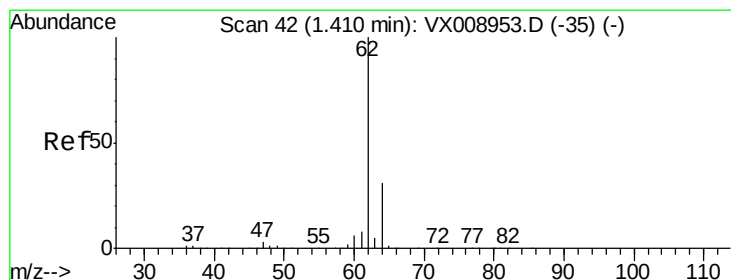
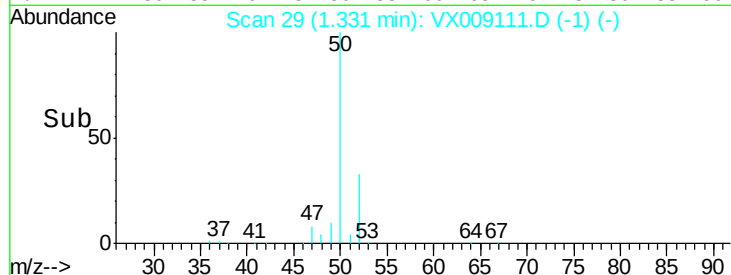
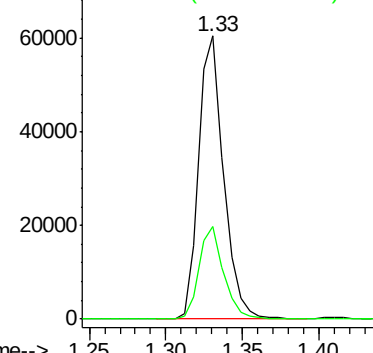
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 22.539 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009111.D

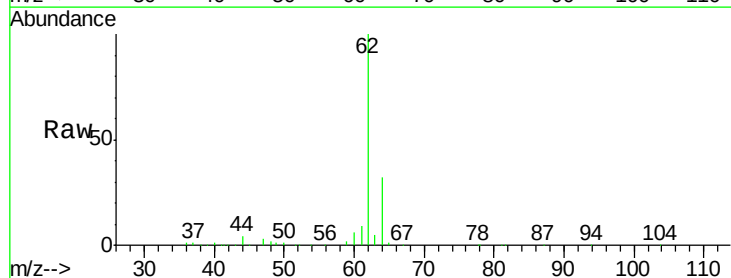
Acq: 23 Apr 2019 11:23

Tgt Ion: 62 Resp: 64345

Ion Ratio Lower Upper

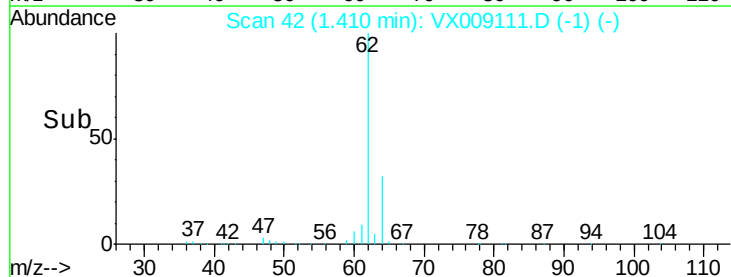
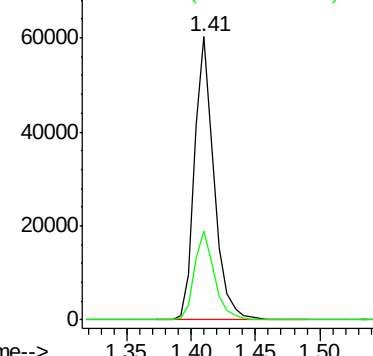
62 100

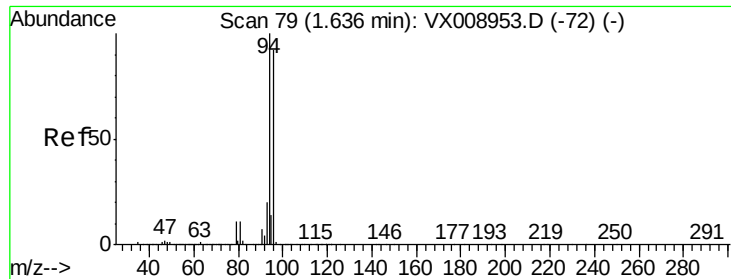
64 31.5 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.474 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS01

Tot Ion: 94 Resp: 36074

Ion Ratio Lower Upper

94 100

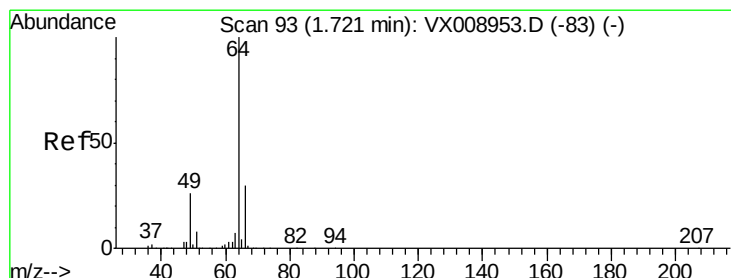
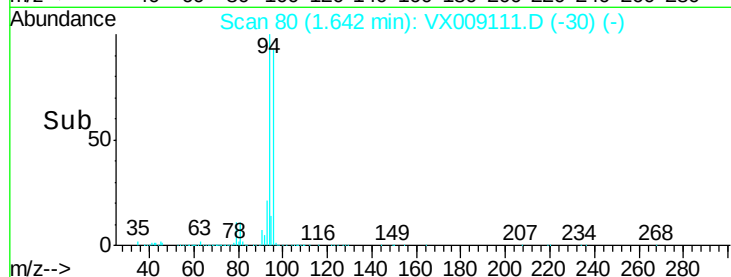
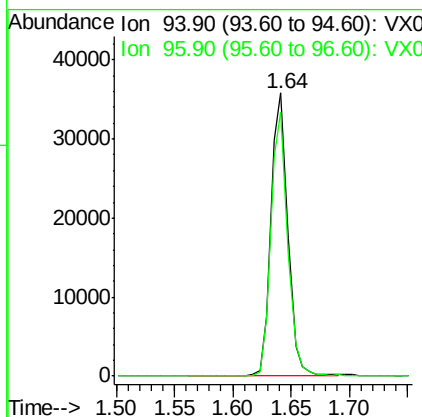
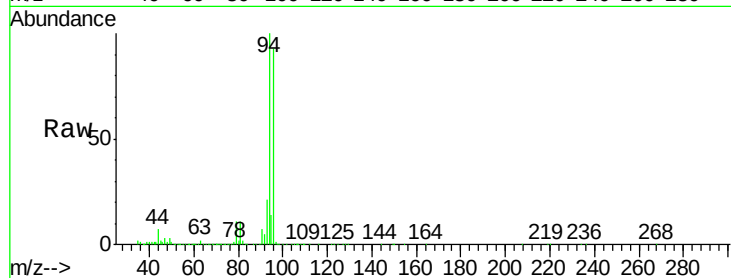
96 93.3 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 22.695 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009111.D

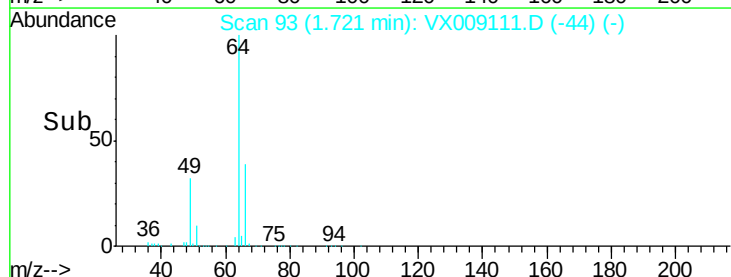
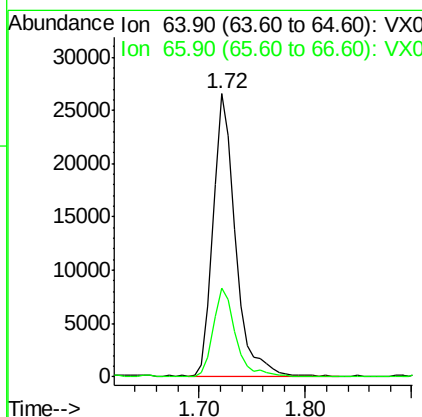
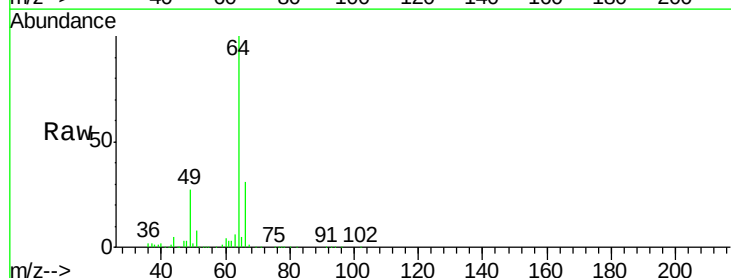
Acq: 23 Apr 2019 11:23

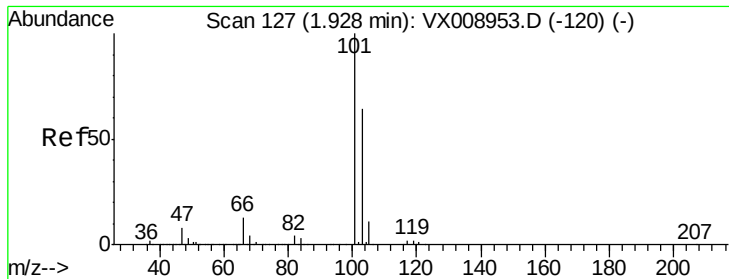
Tgt Ion: 64 Resp: 38099

Ion Ratio Lower Upper

64 100

66 31.6 24.2 36.2





#7

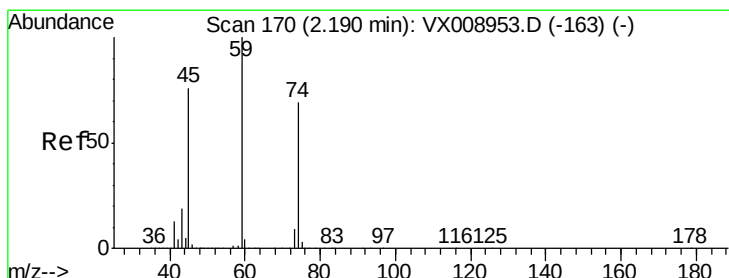
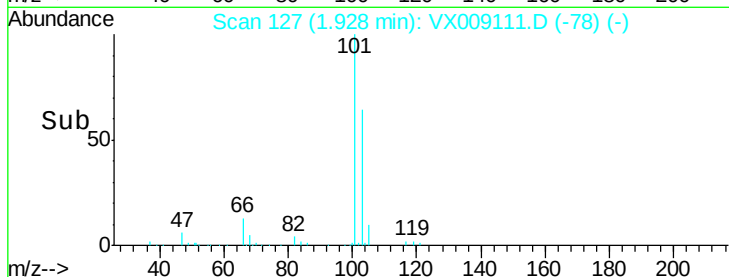
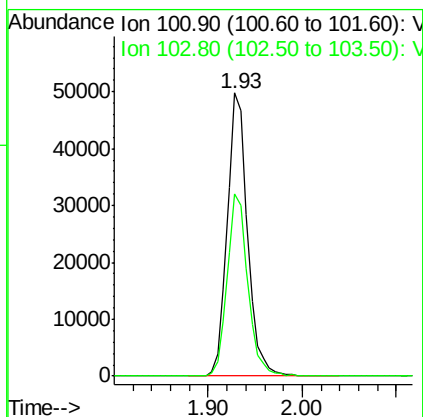
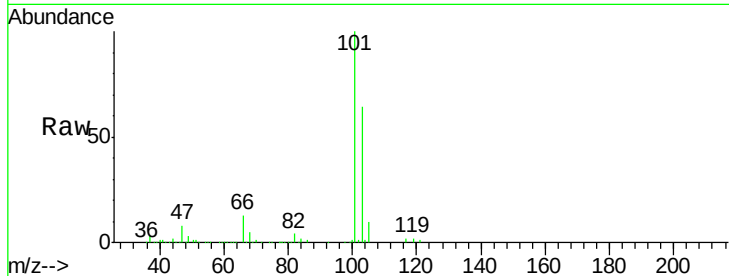
Trichlorofluoromethane
Concen: 22.313 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.0	76.6

Manual Integrations
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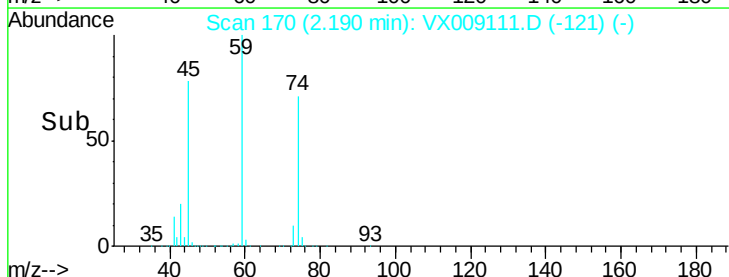
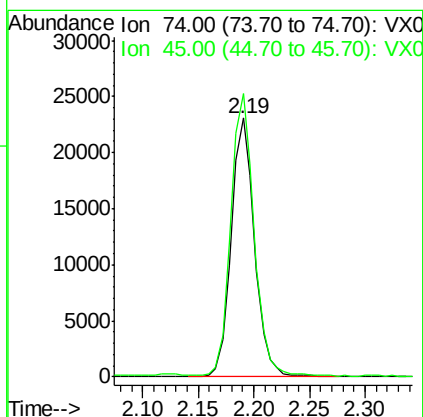
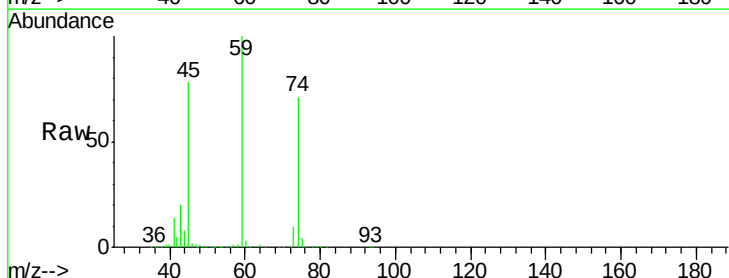
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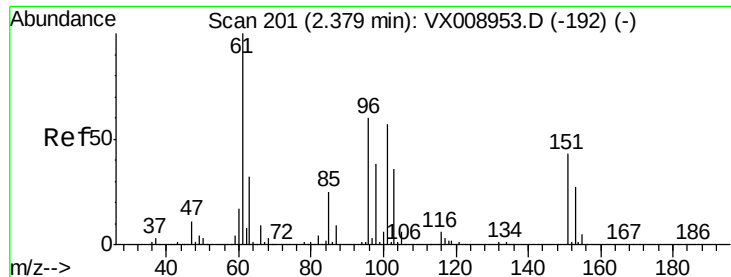


#8

Diethyl Ether
Concen: 21.878 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.2	54.9	164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.284 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS01

Tot Ion:101 Resp: 47489

Ion Ratio Lower Upper

101 100

85 44.4 35.7 53.5

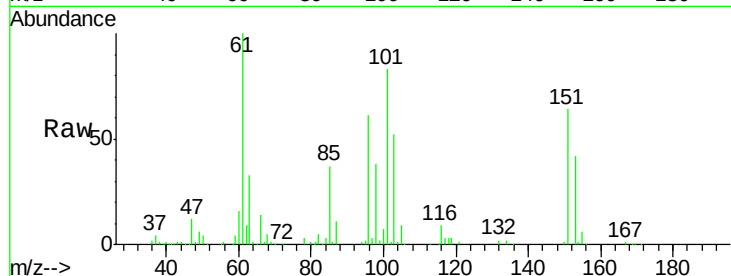
151 78.4 62.7 94.1

Manual Integrations

APPROVED

MMDadoda

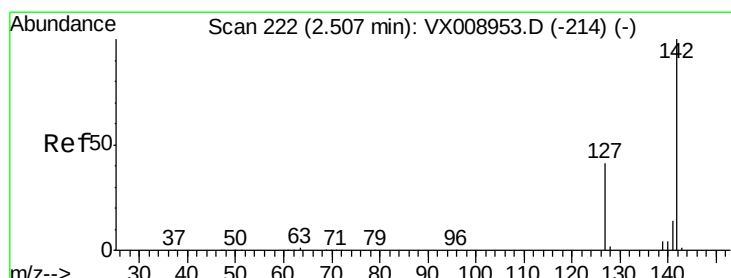
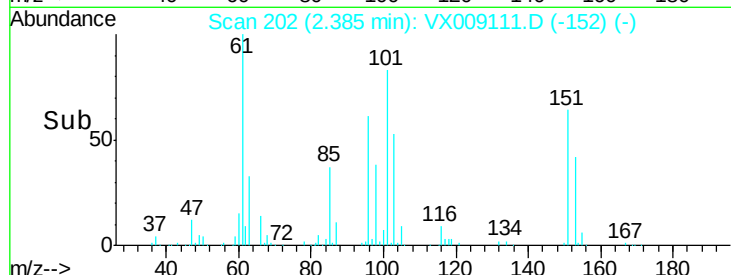
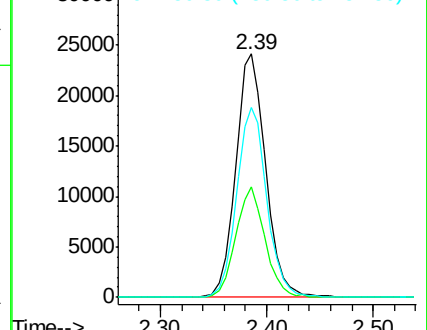
4/24/2019 12:02:47 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.297 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

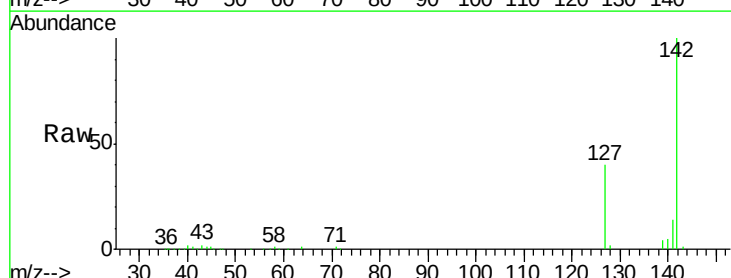
Tgt Ion:142 Resp: 48258

Ion Ratio Lower Upper

142 100

127 41.3 32.8 49.2

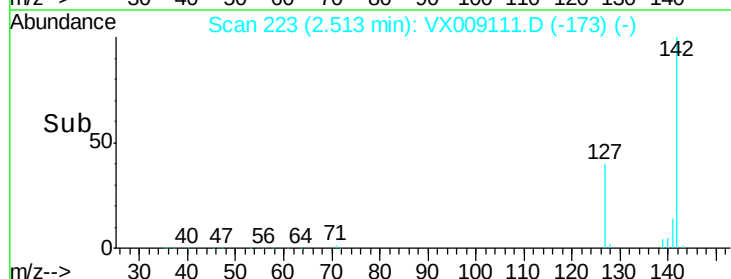
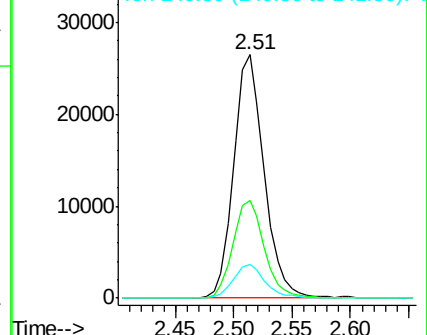
141 14.5 11.4 17.2

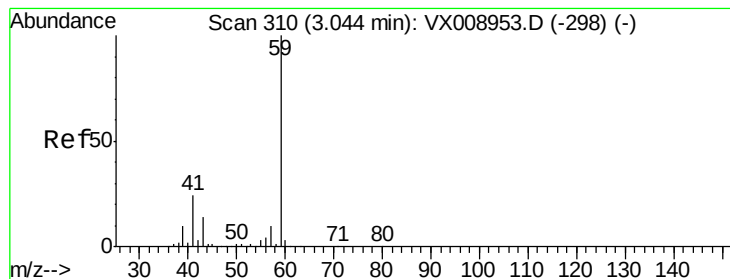


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

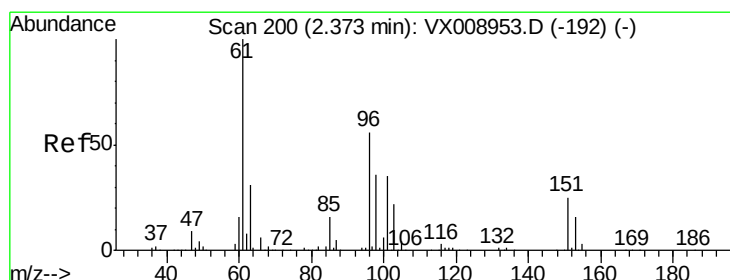
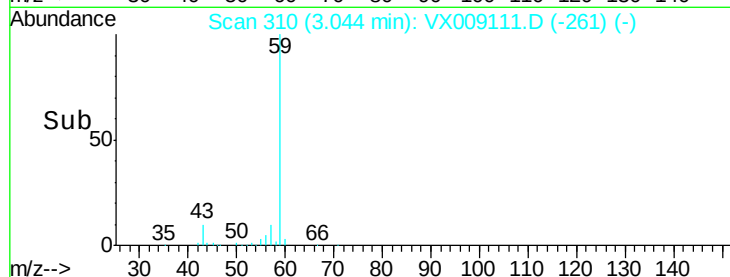
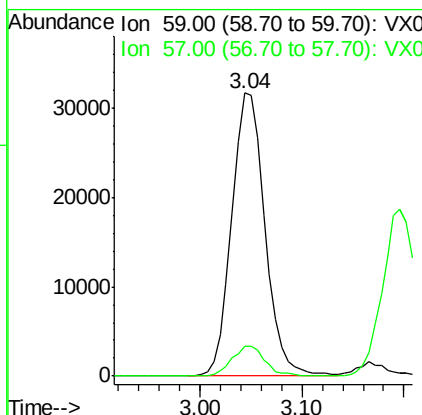
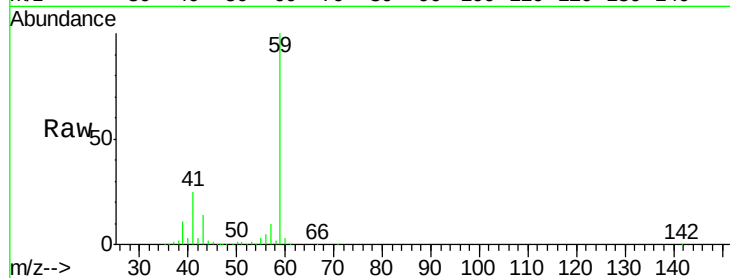
Tert butyl alcohol
 Concen: 110.340 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.00 min
 Lab File: VX009111.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS01

Tot Ion	59	Resp	71597
Ion Ratio	100	Lower	Upper
57	10.7	8.4	12.6

Manual Integrations
 APPROVED

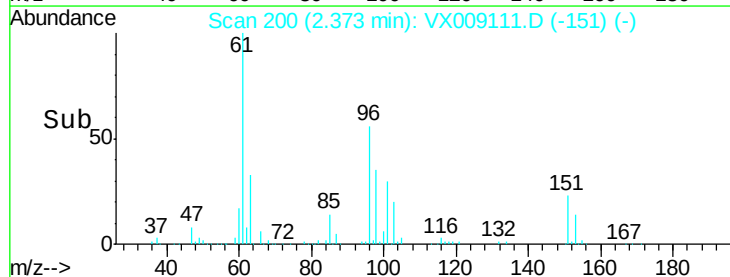
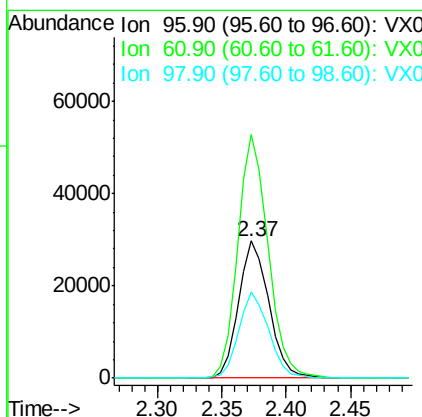
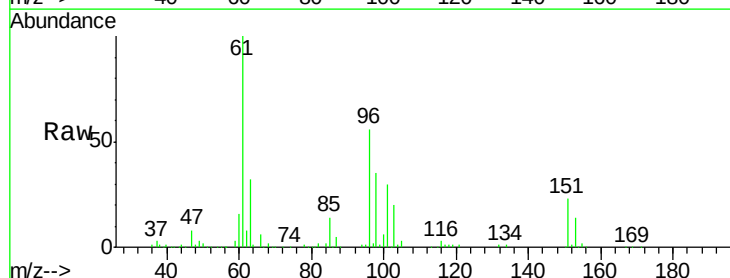
MMDadoda
 4/24/2019 12:02:47 PM

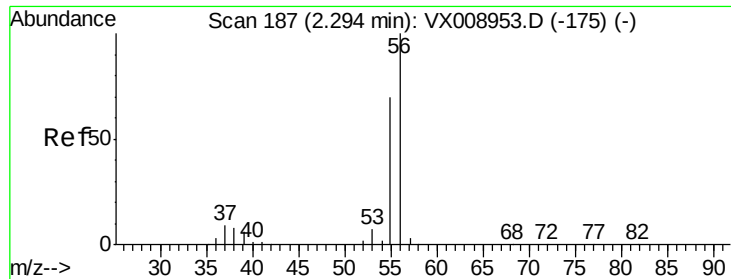


#12

1,1-Dichloroethene
 Concen: 21.830 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX009111.D
 Acq: 23 Apr 2019 11:23

Tgt Ion	96	Resp	48558
Ion Ratio	100	Lower	Upper
61	177.7	142.2	213.2
98	62.9	50.9	76.3





#13

Acrolein

Concen: 78.219 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS01

Tot Ion: 56 Resp: 43854

Ion Ratio Lower Upper

56 100

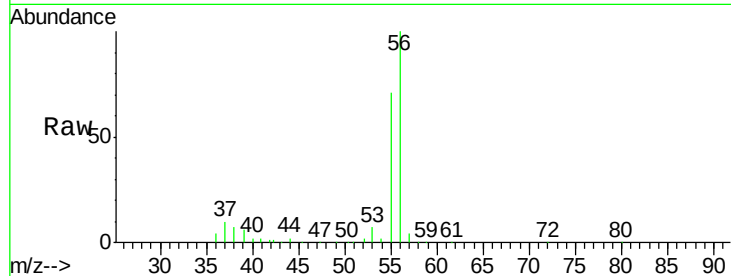
55 73.1 56.6 84.8

Manual Integrations

APPROVED

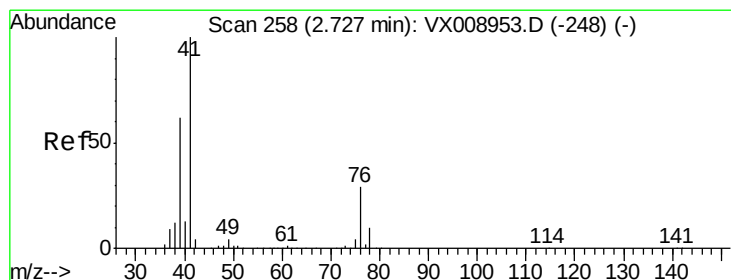
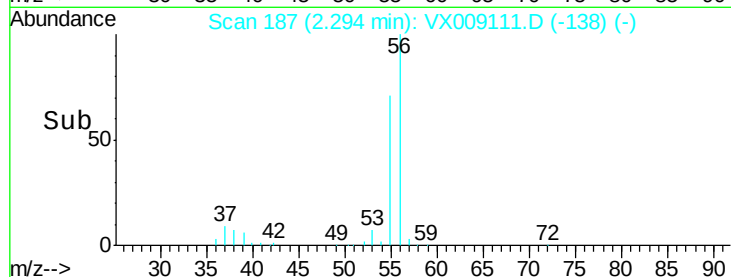
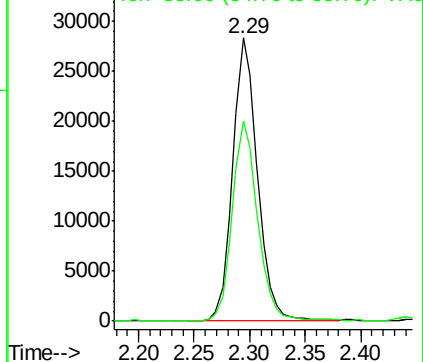
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 23.154 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

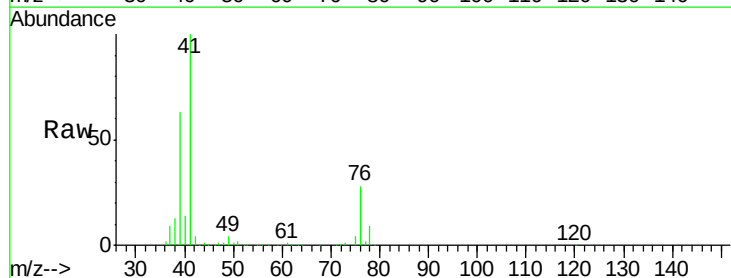
Tgt Ion: 41 Resp: 112367

Ion Ratio Lower Upper

41 100

39 58.9 46.7 70.1

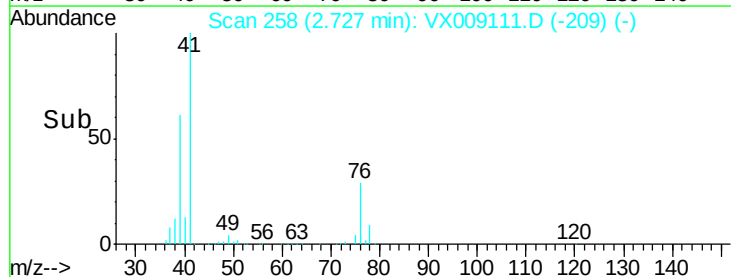
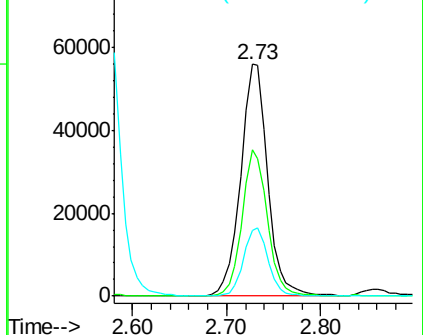
76 26.8 22.0 33.0

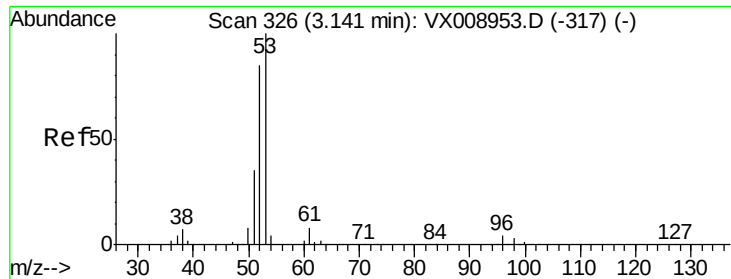


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 114.226 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

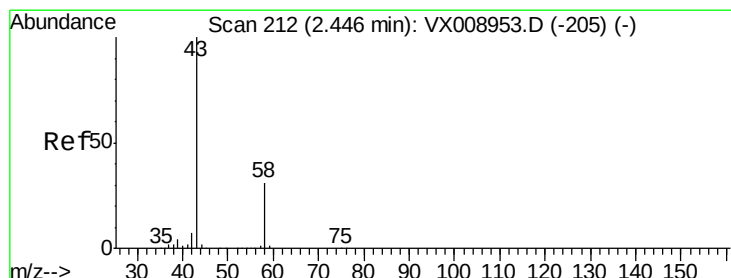
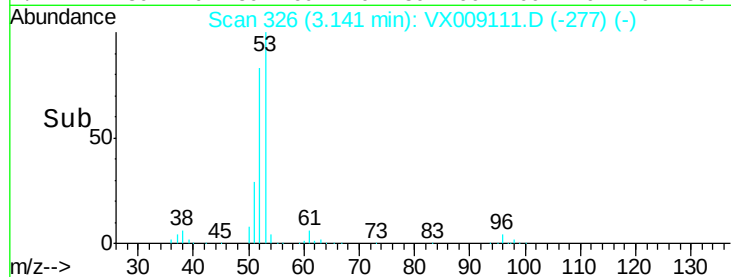
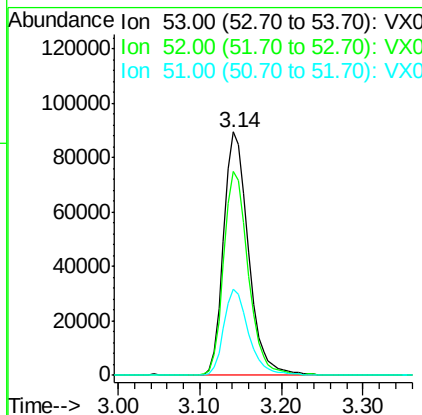
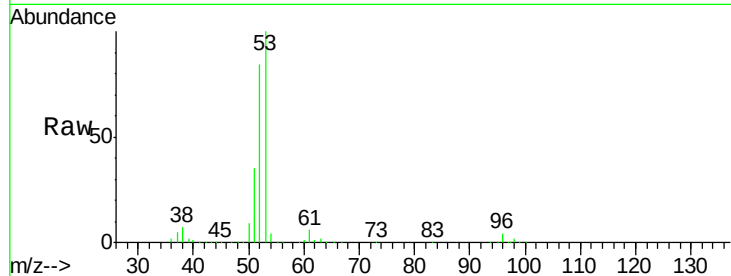
ClientSampleId :

VX0423WBS01

Tot Ion:	53	Resp:	188149
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.6	100.0
51	35.5	28.3	42.5

Manual Integrations
APPROVED

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#16

Acetone

Concen: 112.855 ug/l

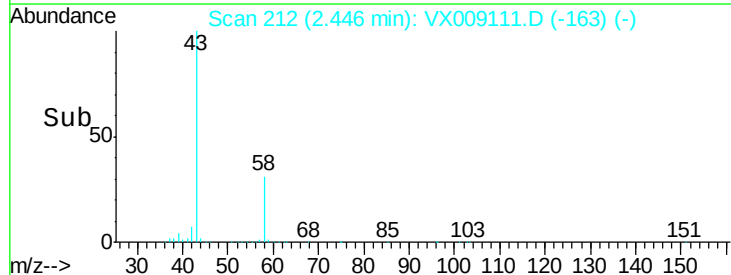
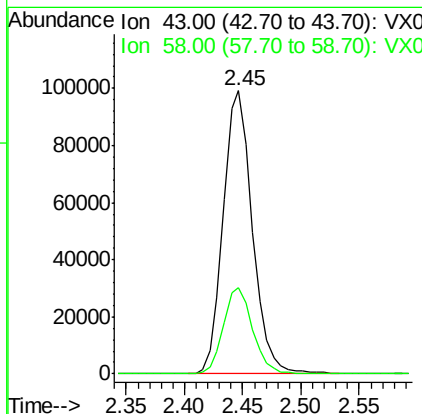
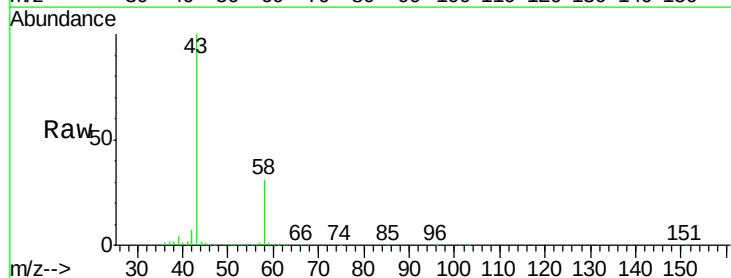
RT: 2.45 min Scan# 212

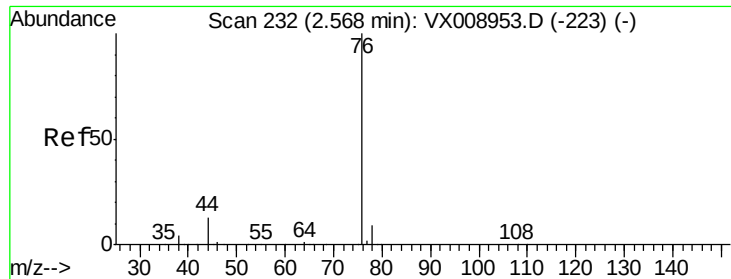
Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Tgt Ion:	43	Resp:	171078
Ion Ratio	Lower	Upper	
43	100		
58	30.6	24.8	37.2





#17

Carbon Disulfide

Concen: 22.520 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS01

Tot Ion: 76 Resp: 142589

Ion Ratio Lower Upper

76 100

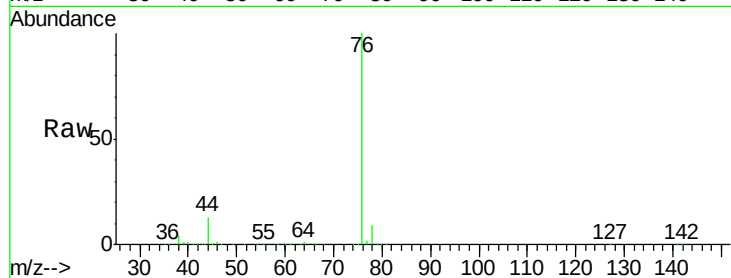
78 9.2 7.2 10.8

Manual Integrations

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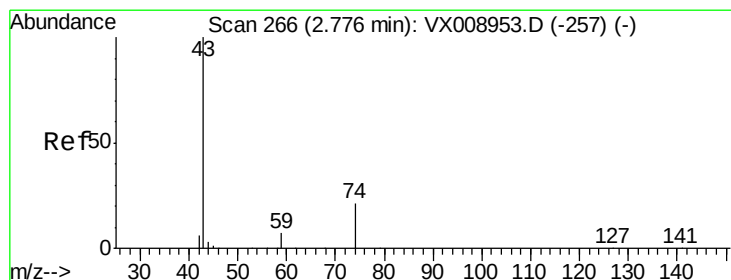
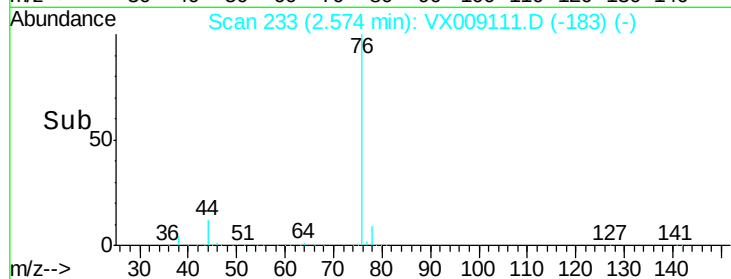
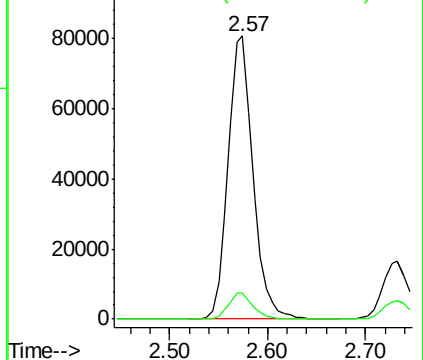
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 22.510 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009111.D

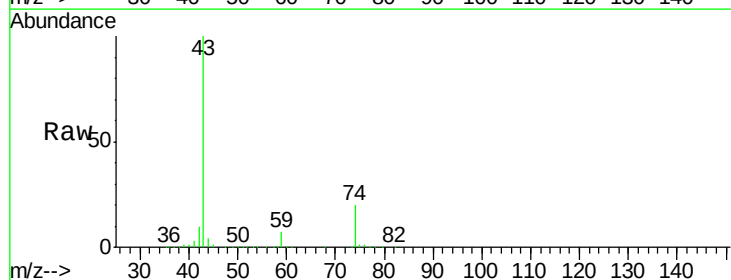
Acq: 23 Apr 2019 11:23

Tgt Ion: 43 Resp: 85163

Ion Ratio Lower Upper

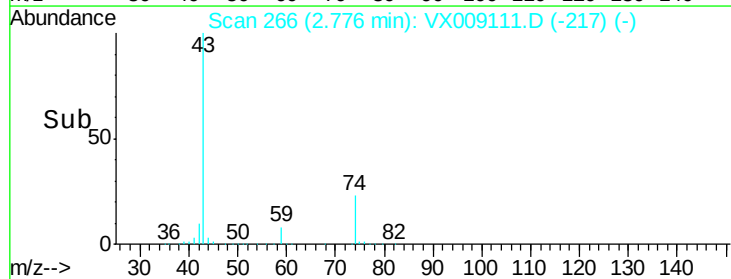
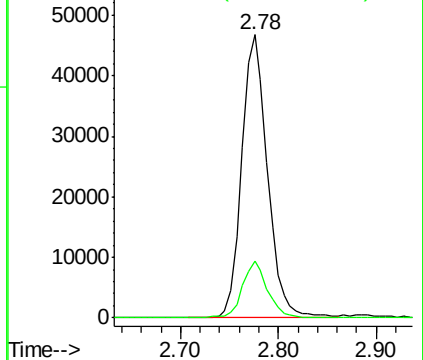
43 100

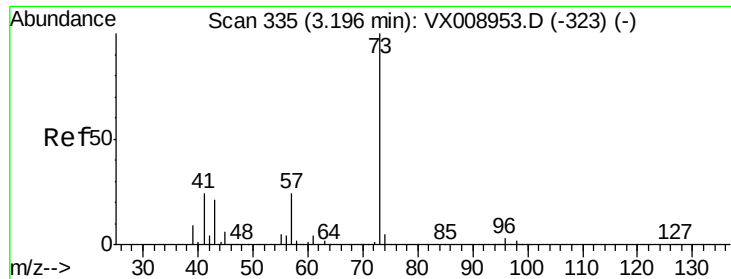
74 19.6 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





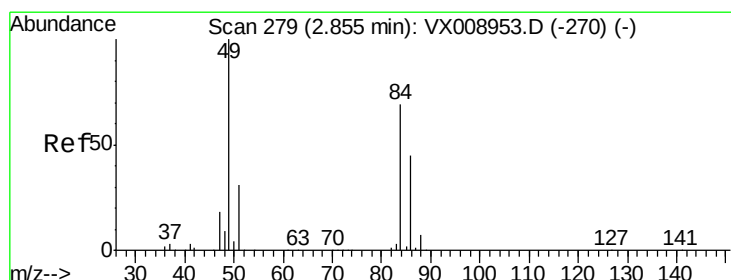
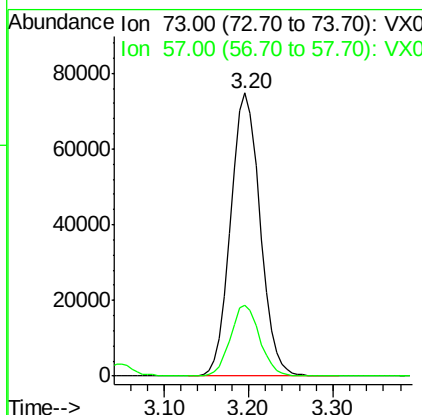
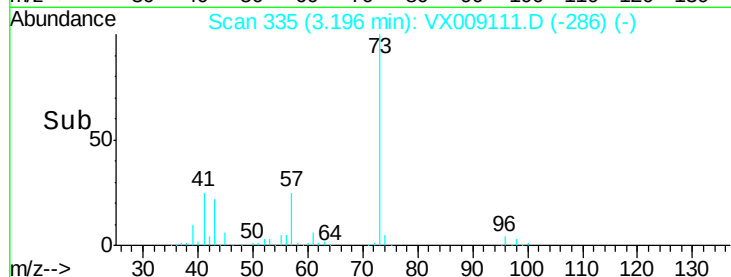
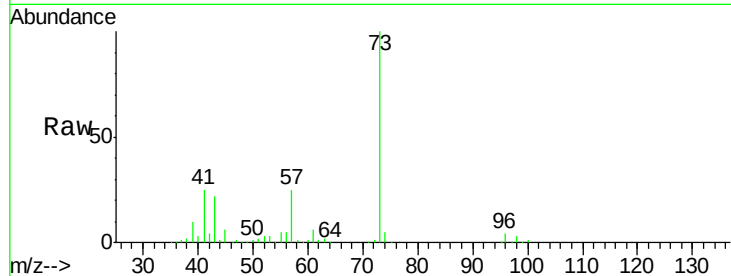
#19
Methyl tert-butyl Ether
Concen: 22.343 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS01

Tot Ion: 73 Resp: 177084
Ion Ratio Lower Upper
73 100
57 24.9 19.2 28.8

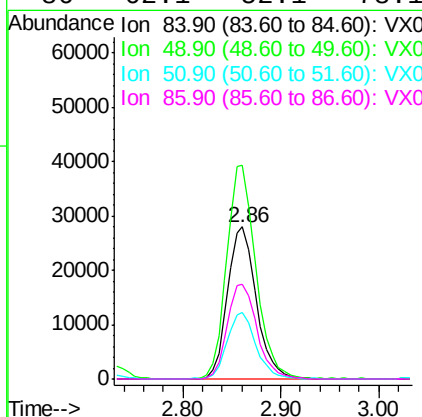
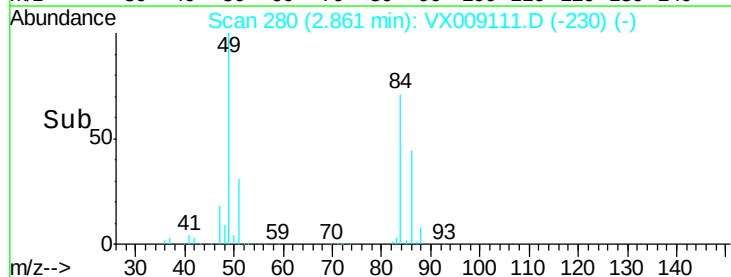
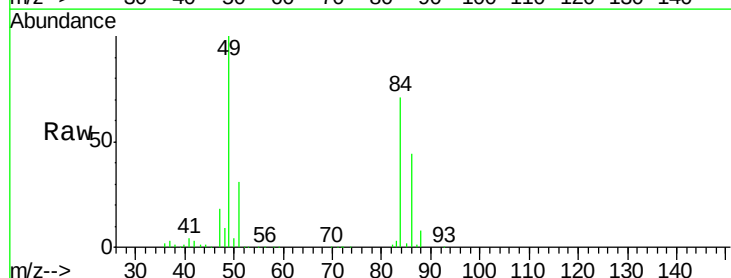
Manual Integrations
APPROVED

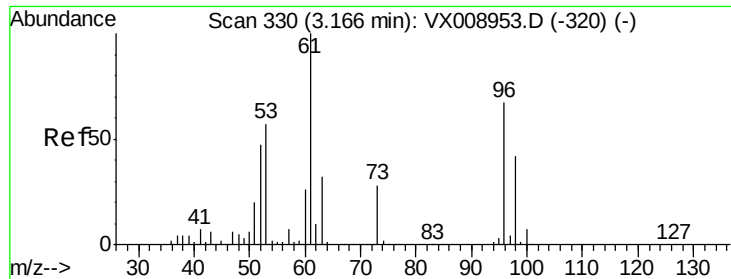
MMDadoda
4/24/2019 12:02:47 PM



#20
Methylene Chloride
Concen: 22.062 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Tgt Ion: 84 Resp: 57194
Ion Ratio Lower Upper
84 100
49 140.4 115.4 173.0
51 44.1 35.8 53.6
86 62.1 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 21.606 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS01

Tot Ion: 96 Resp: 51263

Ion Ratio Lower Upper

96 100

61 160.3 120.3 180.5

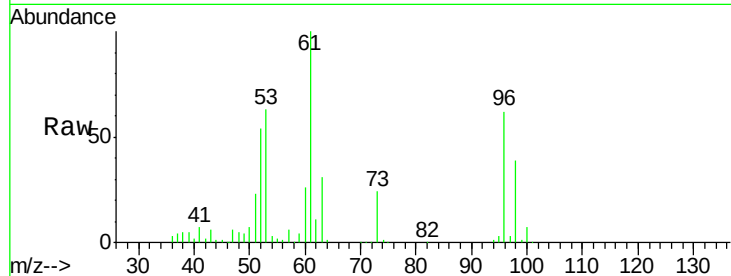
98 62.2 50.2 75.2

Manual Integrations

APPROVED

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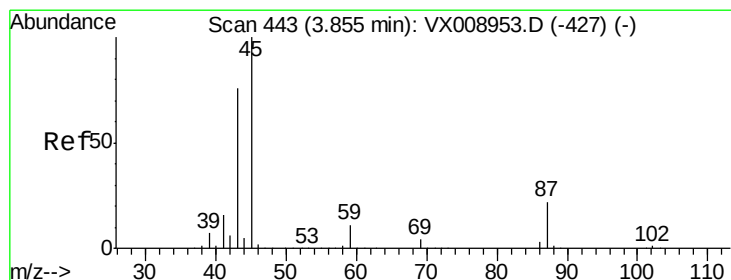
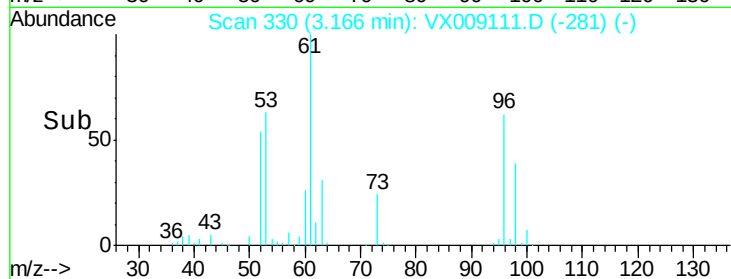
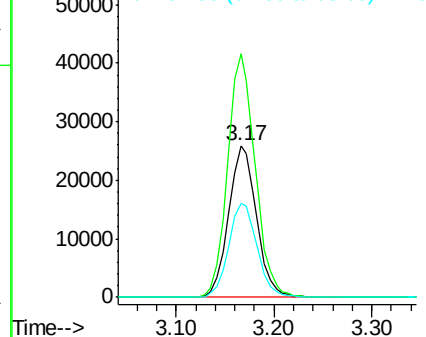
4/24/2019 12:02:47 PM



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: 23.211 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Tgt Ion: 45 Resp: 218885

Ion Ratio Lower Upper

45 100

43 79.1 60.6 91.0

87 22.7 17.8 26.8

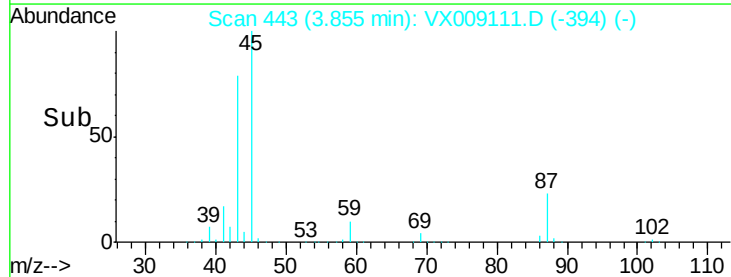
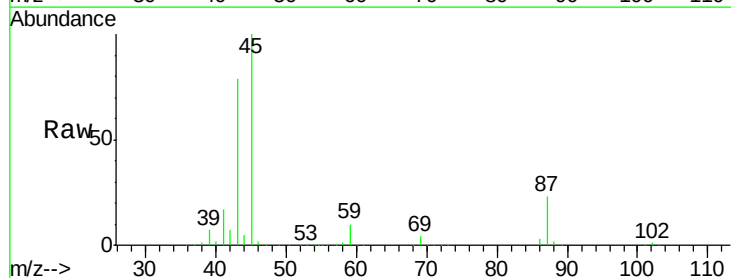
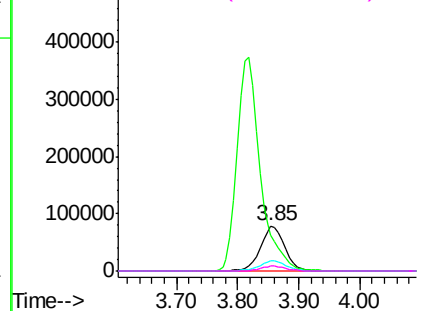
59 10.3 8.7 13.1

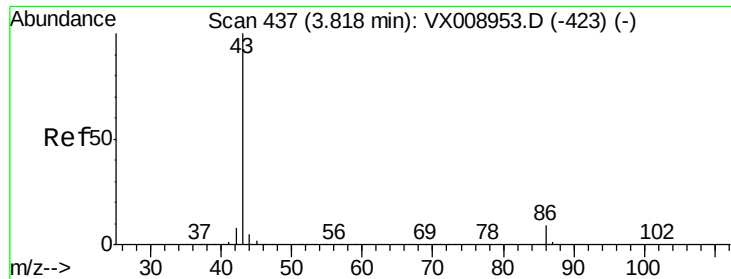
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 117.219 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS01

Tot Ion: 43 Resp: 971688

Ion Ratio Lower Upper

43 100

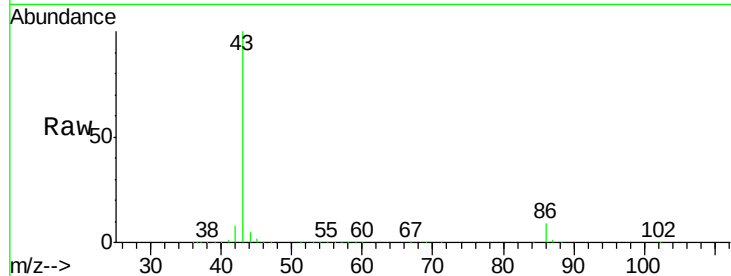
86 8.6 7.1 10.7

Manual Integrations

APPROVED

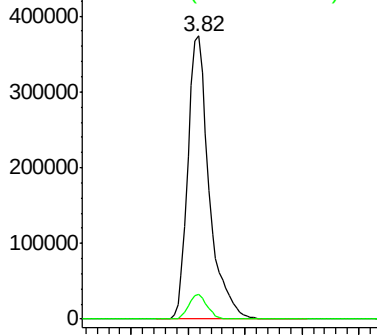
MMDadoda

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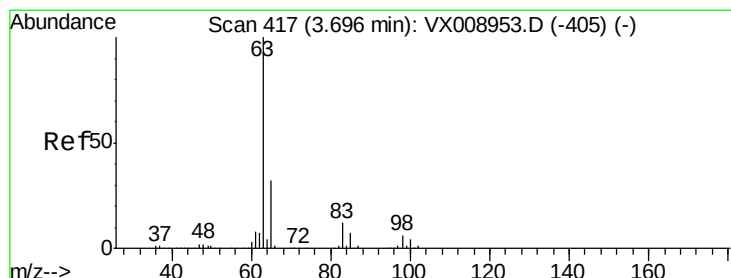
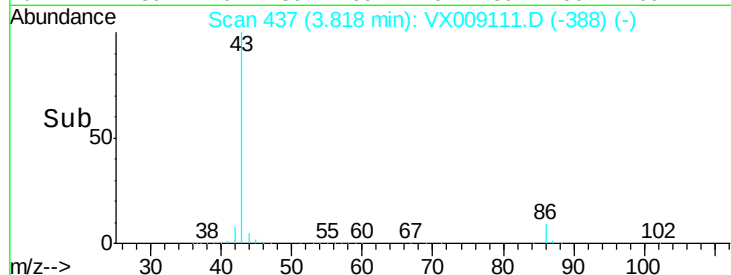


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 22.578 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

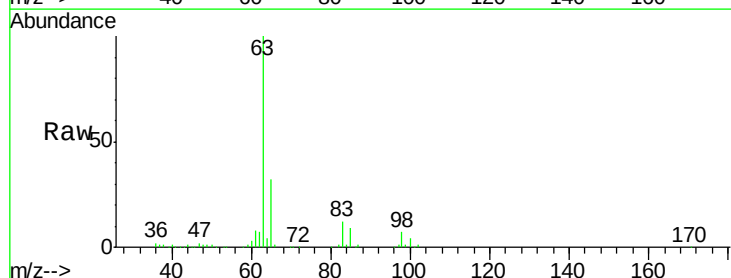
Tgt Ion: 63 Resp: 106881

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

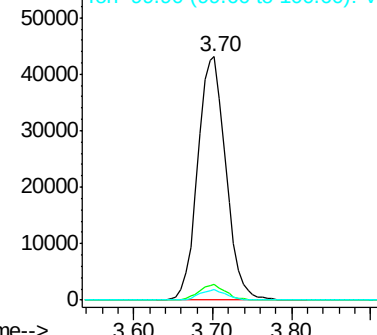
100 4.2 1.9 5.7



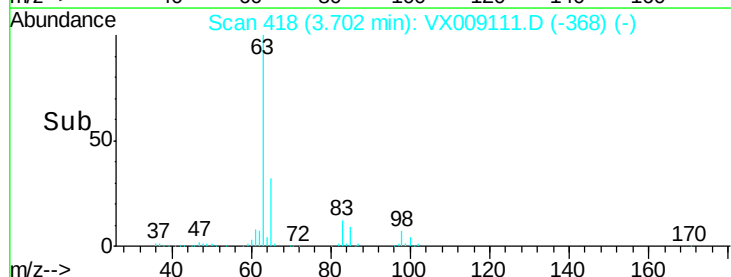
Abundance Ion 62.90 (62.60 to 63.60): VX0

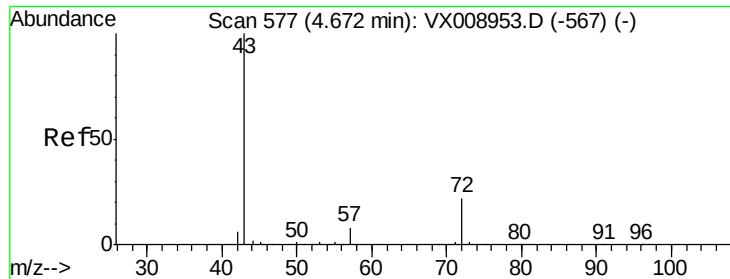
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 116.695 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS01

Tot Ion: 43 Resp: 282762

Ion Ratio Lower Upper

43 100

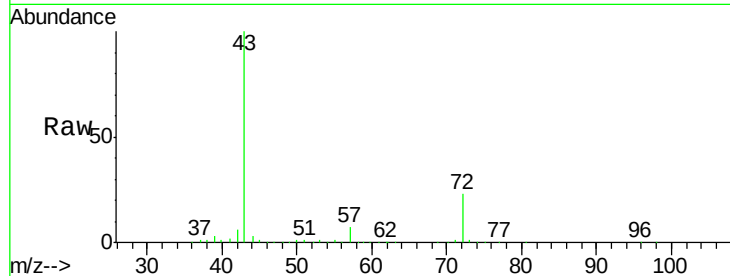
72 22.9 17.5 26.3

Manual Integrations

APPROVED

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

100000

80000

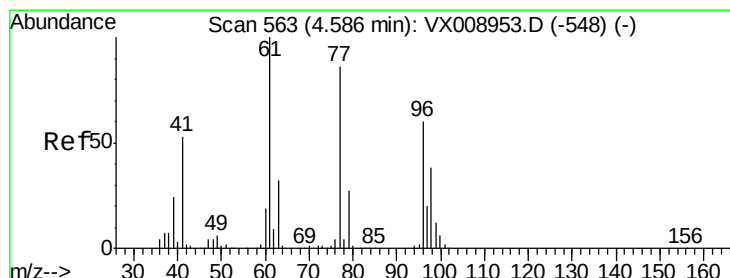
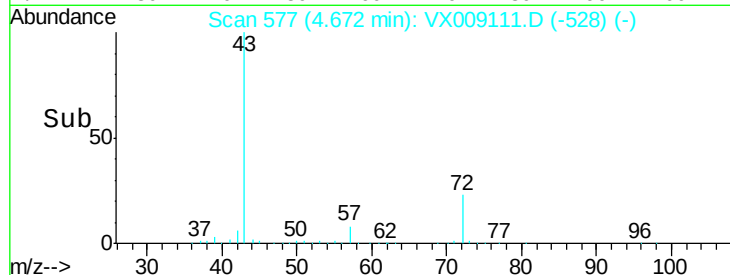
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 21.873 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009111.D

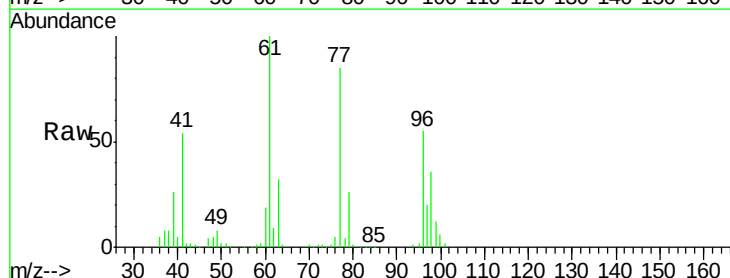
Acq: 23 Apr 2019 11:23

Tgt Ion: 77 Resp: 77614

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

25000

20000

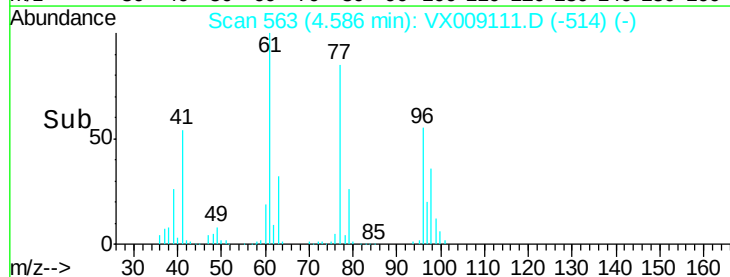
15000

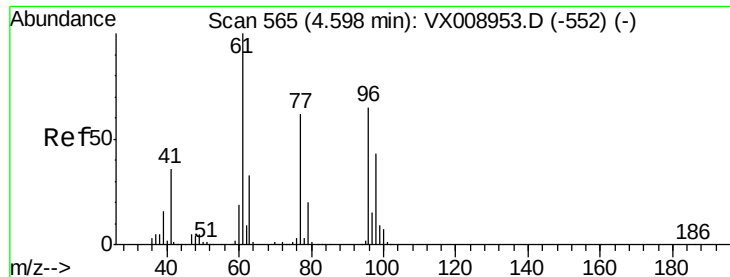
10000

5000

0

Time-->





#27

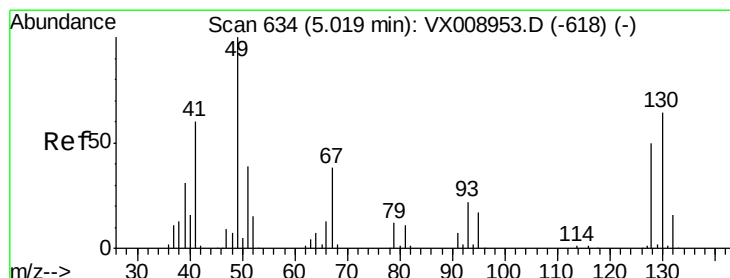
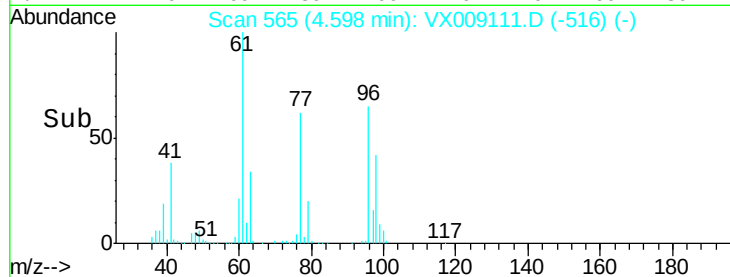
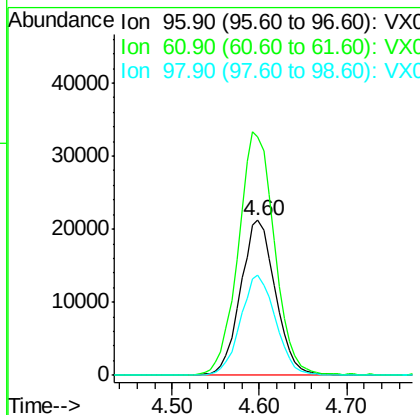
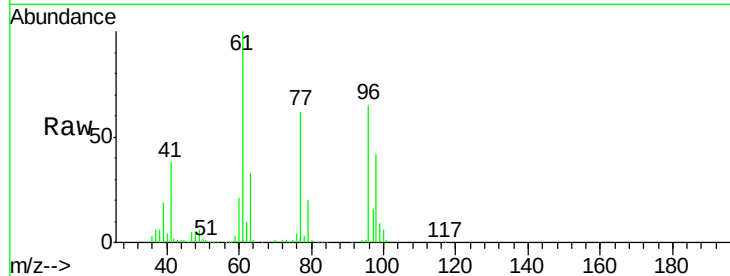
cis-1,2-Dichloroethene
Concen: 21.824 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	163.2	0.0	322.0	
98	65.6	0.0	128.4	

Manual Integrations
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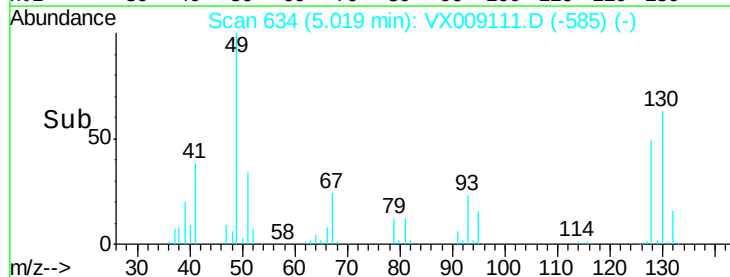
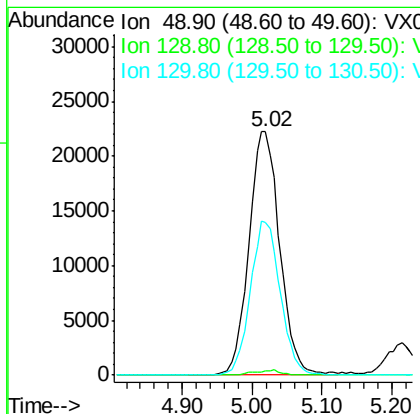
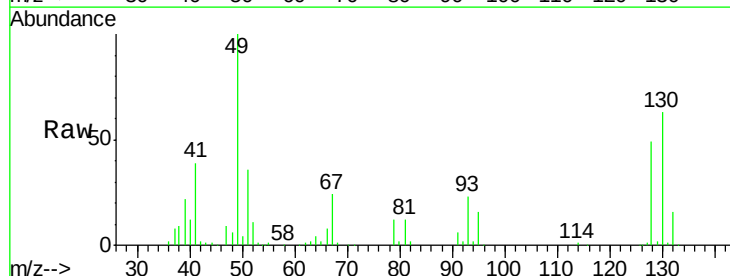
MMDadoda
4/24/2019 12:02:47 PM

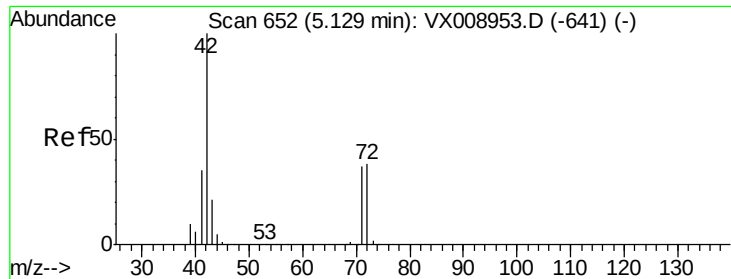


#28

Bromochloromethane
Concen: 33.936 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	61.6	50.4	75.6	





#29

Tetrahydrofuran

Concen: 113.740 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

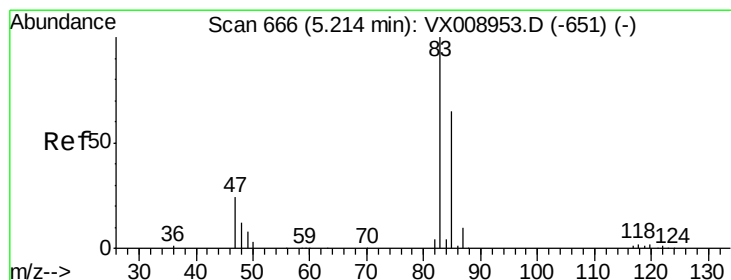
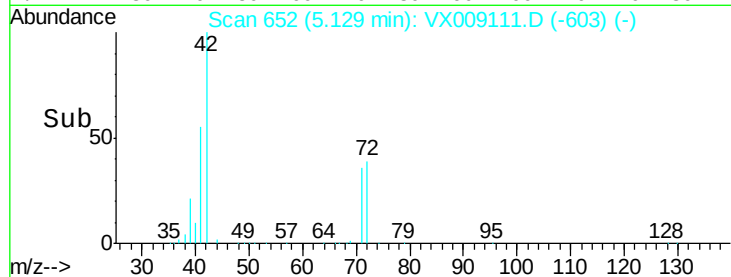
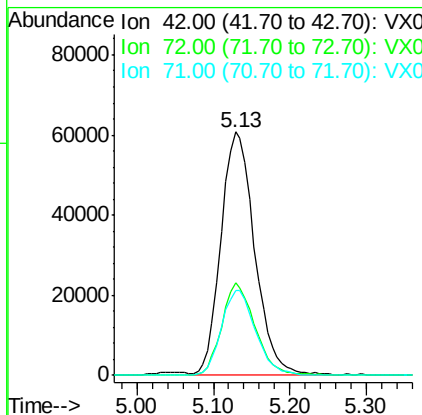
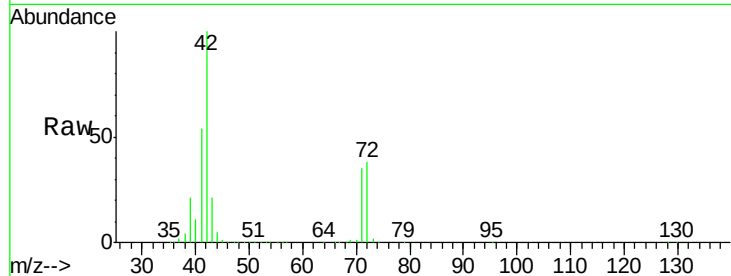
ClientSampleId :

VX0423WBS01

Tot Ion:	42	Resp:	184466
Ion	Ratio	Lower	Upper
42	100		
72	37.7	30.6	45.8
71	35.7	28.8	43.2

Manual Integrations
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#30

Chloroform

Concen: 22.810 ug/l

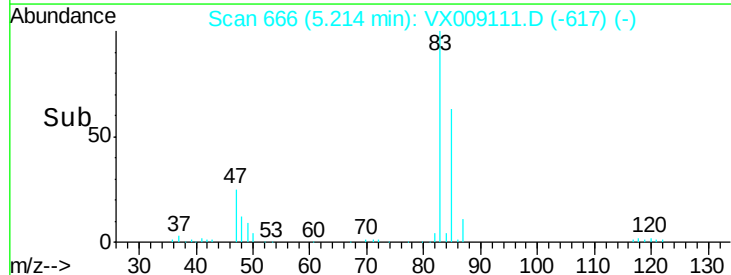
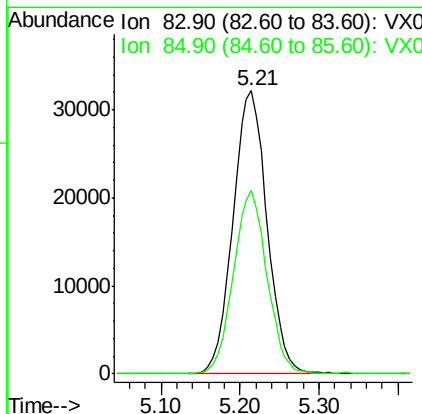
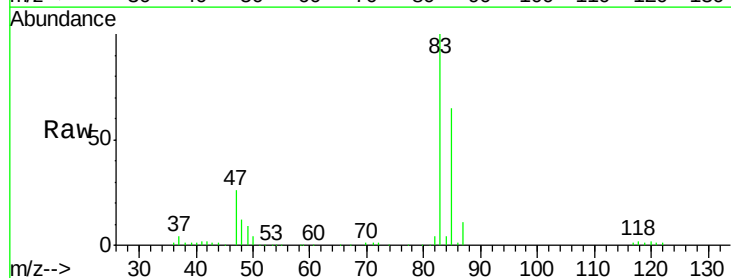
RT: 5.21 min Scan# 666

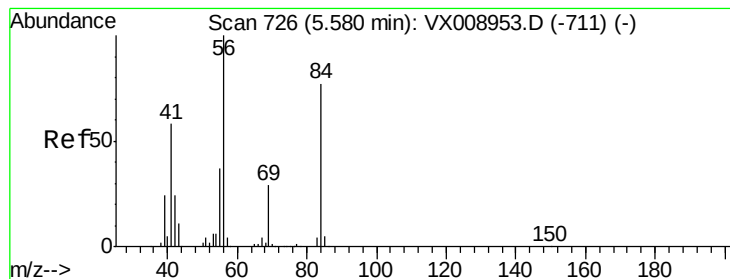
Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Tgt Ion:	83	Resp:	96626
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.9	77.9





#31

Cyclohexane

Concen: 22.512 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

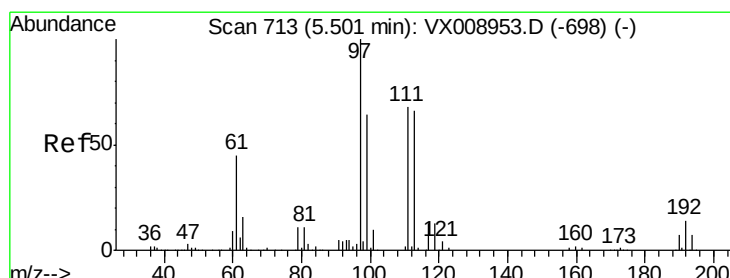
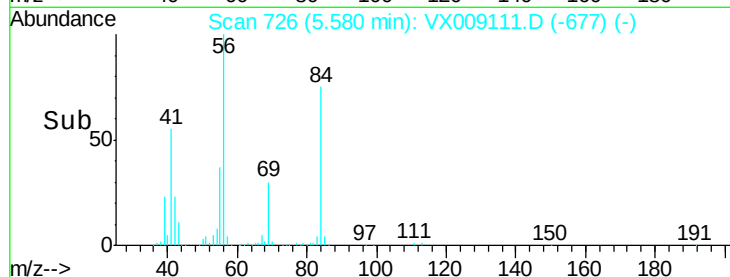
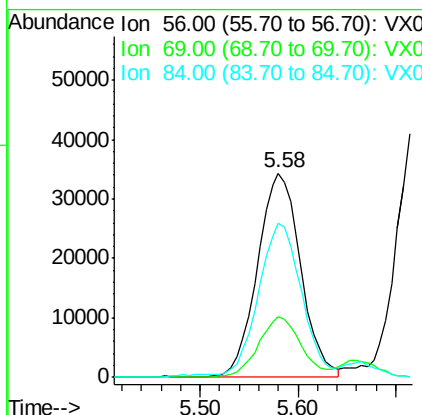
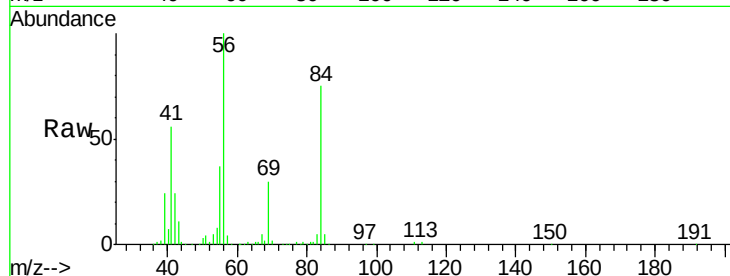
ClientSampleId :

VX0423WBS01

Tot Ion:	56	Resp:	104813
Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.3	34.9
84	74.5	61.7	92.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.675 ug/l

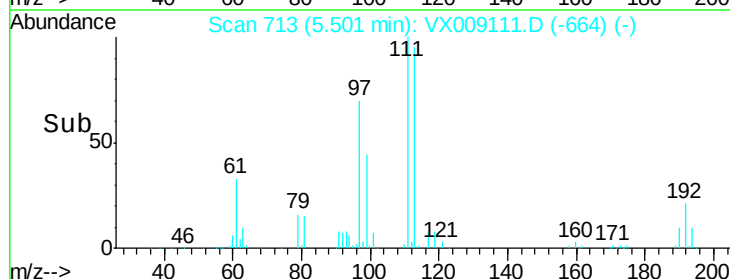
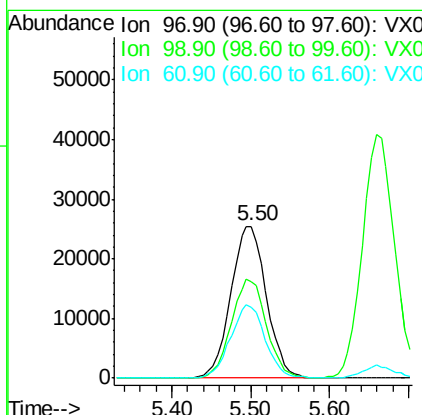
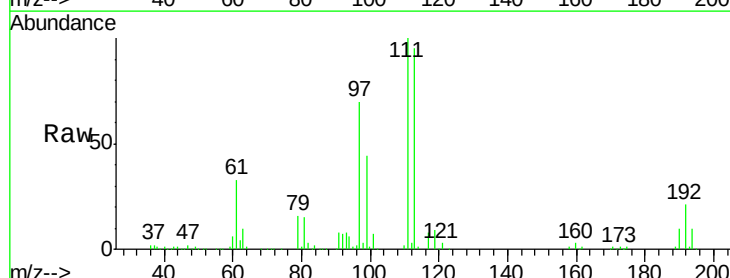
RT: 5.50 min Scan# 713

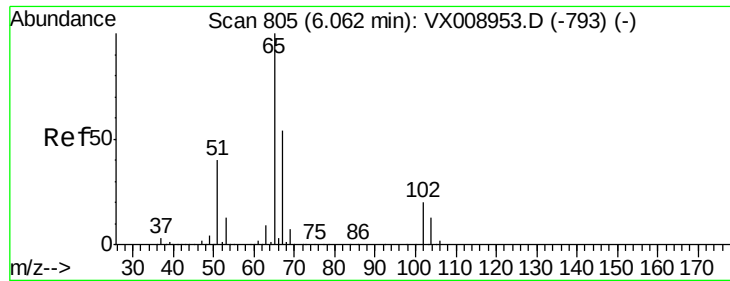
Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Tgt Ion:	97	Resp:	79609
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	47.7	37.9	56.9





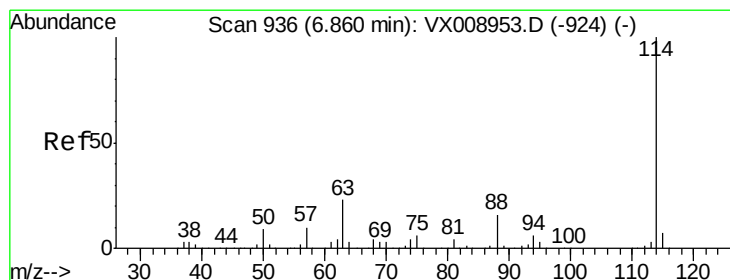
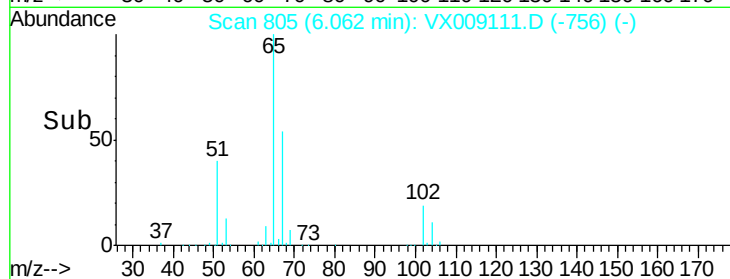
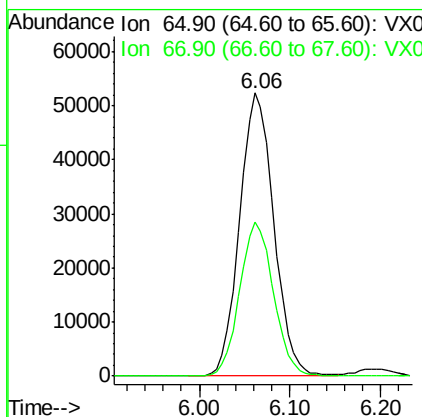
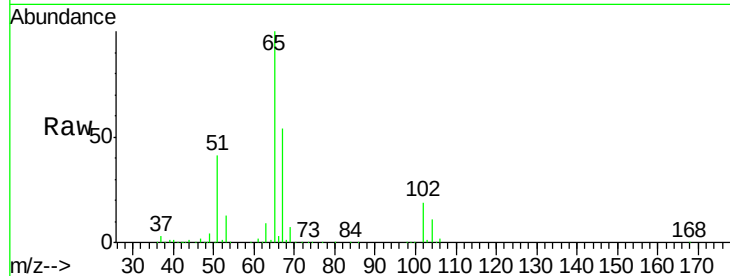
#33
 1,2-Dichloroethane-d4
 Concen: 46.799 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009111.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	108.6

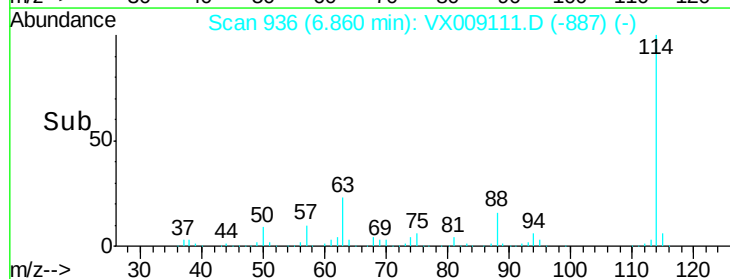
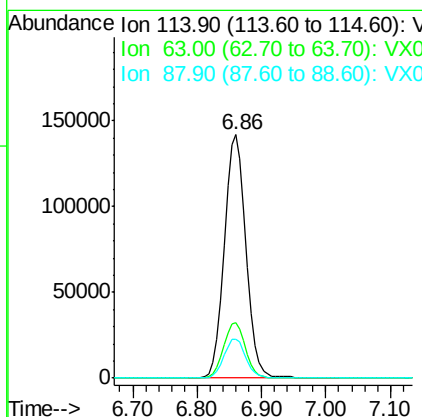
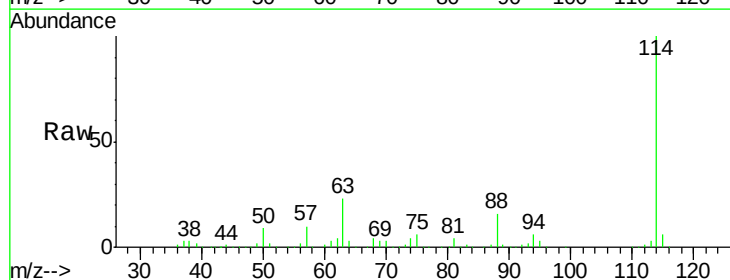
Manual Integrations
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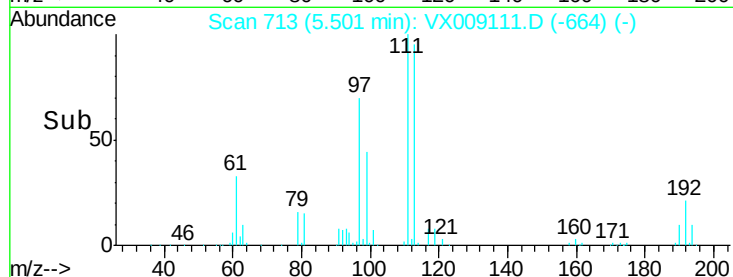
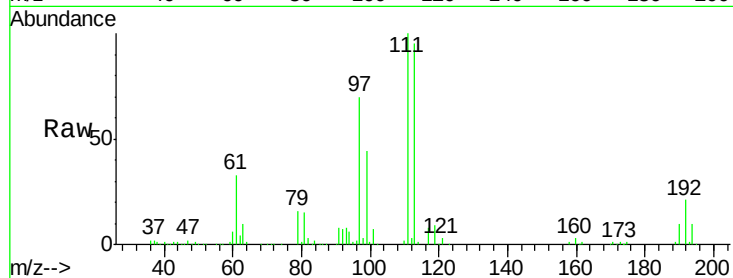
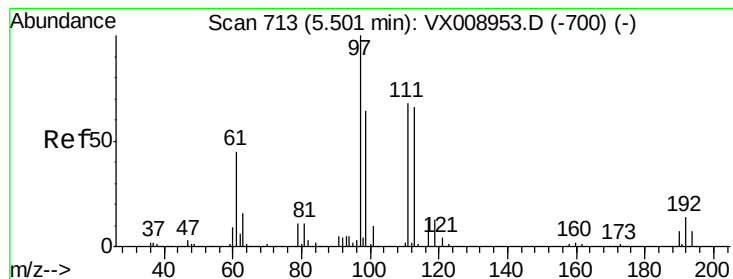
MMDadoda
 4/24/2019 12:02:47 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009111.D
 Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	46.0
88	15.9	0.0	32.6





#35

Dibromofluoromethane

Concen: 46.484 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009111.D

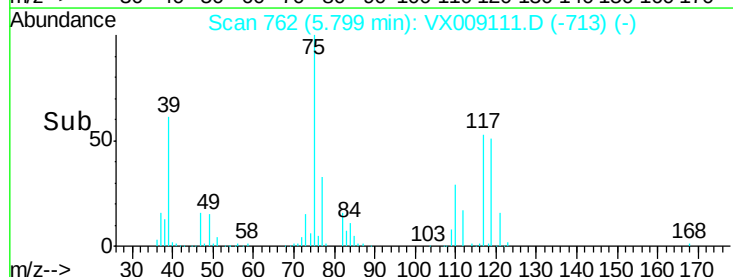
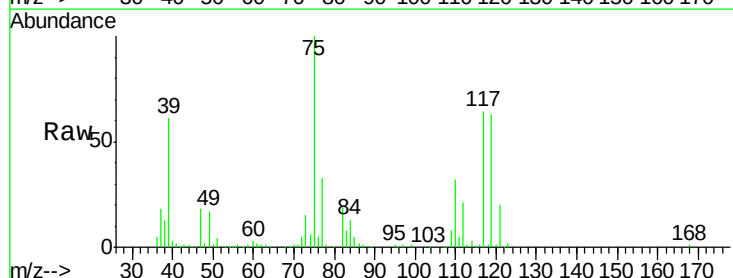
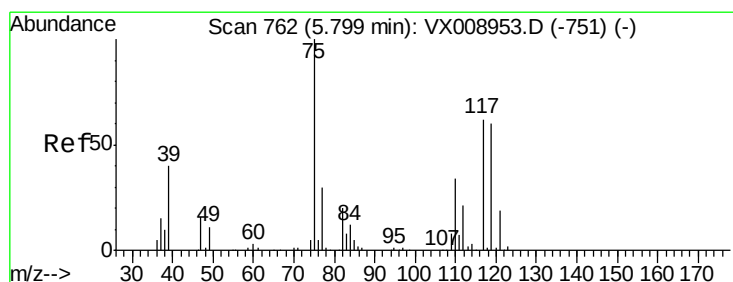
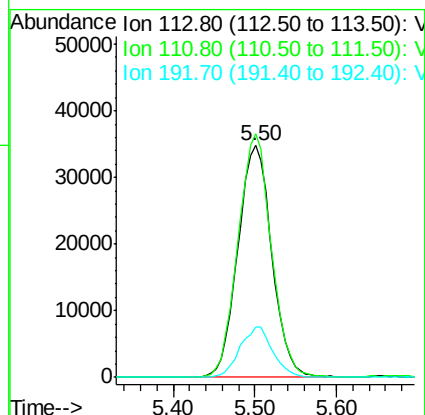
Acq: 23 Apr 2019 11:23

Tot Ion:	113	Resp:	100354
Ion Ratio	Lower	Upper	
113	100		
111	103.3	82.9	124.3
192	21.1	17.4	26.0

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS01

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.540 ug/l

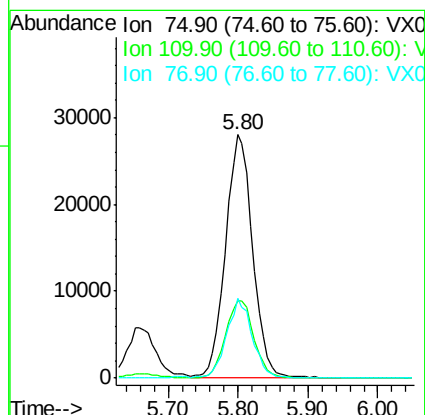
RT: 5.80 min Scan# 762

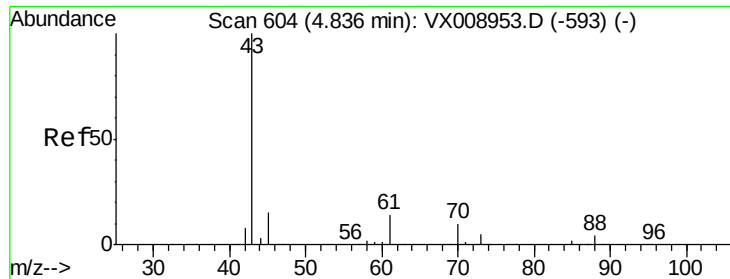
Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Tgt Ion:	75	Resp:	74939
Ion Ratio	Lower	Upper	
75	100		
110	33.4	16.9	50.7
77	31.2	25.0	37.4





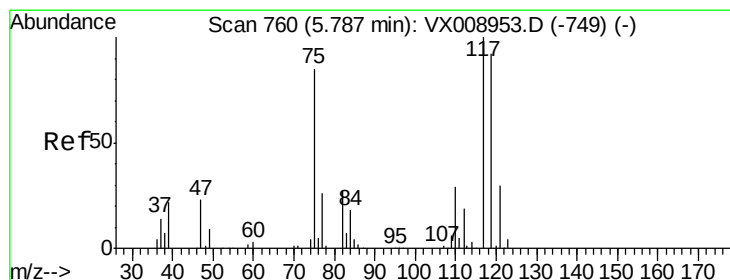
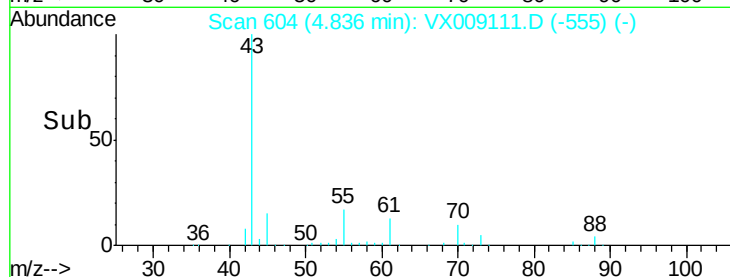
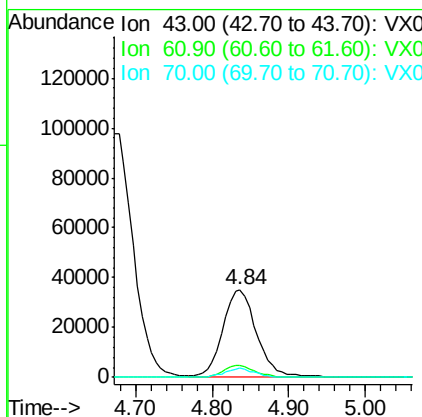
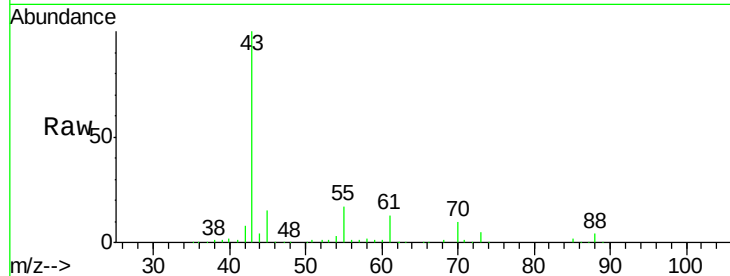
#37
Ethyl Acetate
Concen: 23.471 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.6	15.8
70	9.6	7.7	11.5

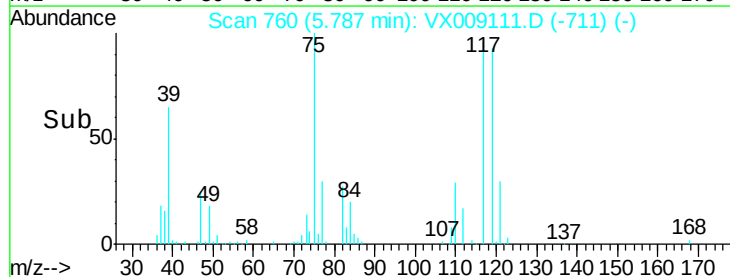
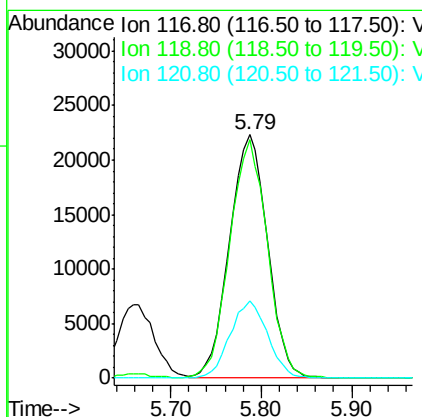
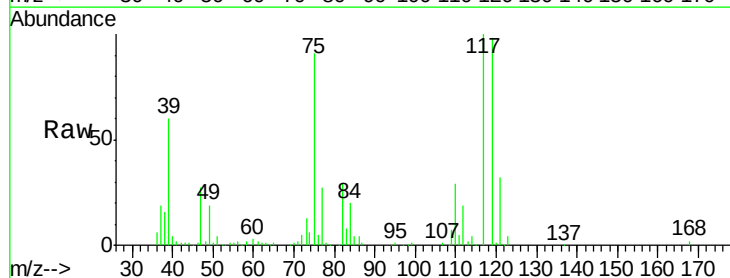
Manual Integrations
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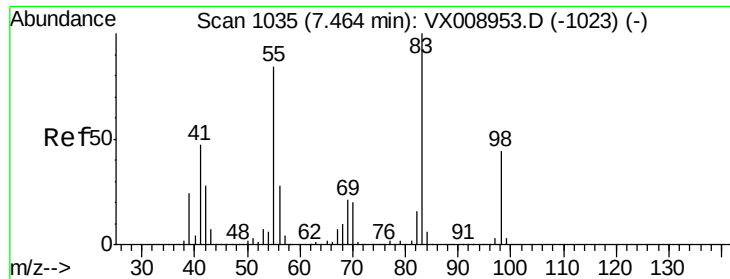
MMDadoda
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#38
Carbon Tetrachloride
Concen: 22.068 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	73.8	110.8
121	31.5	23.6	35.4





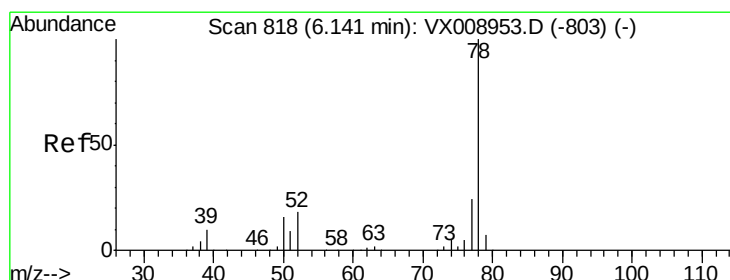
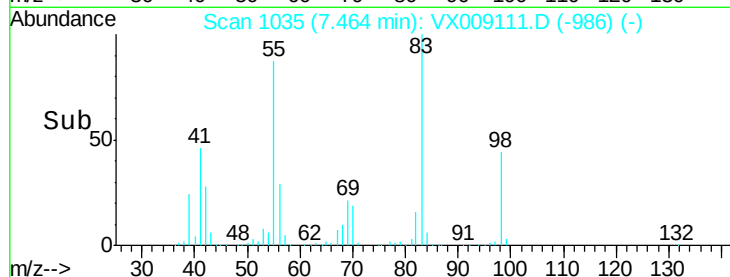
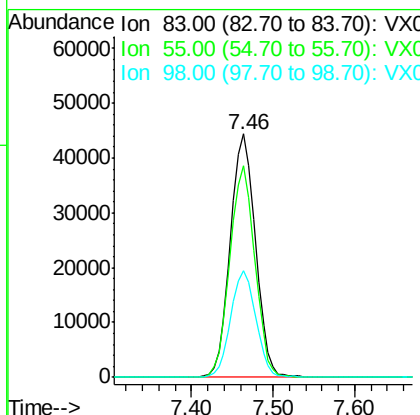
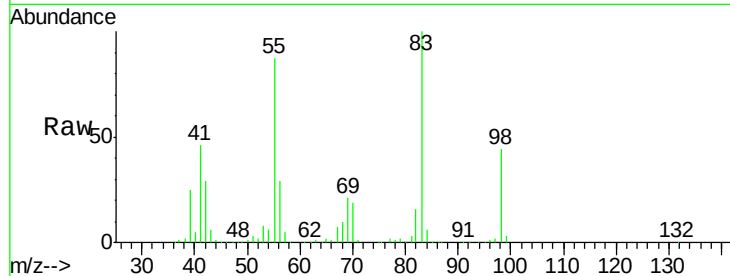
#39
Methylvlcyclohexane
Concen: 22.231 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.7	67.1	100.7
98	44.0	35.1	52.7

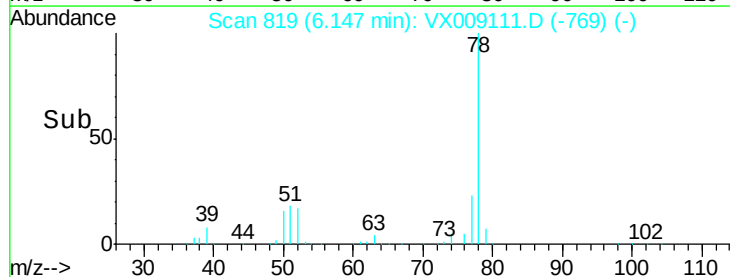
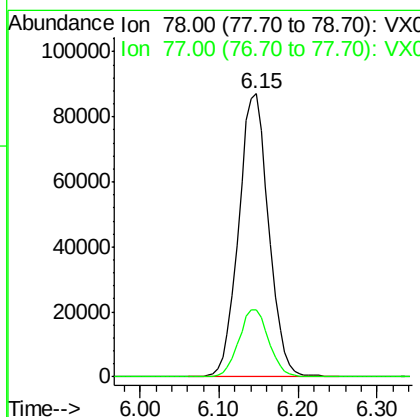
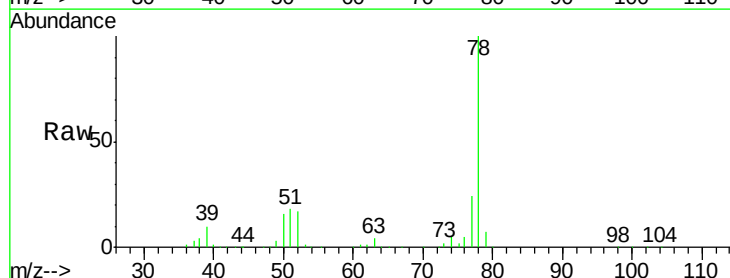
Manual Integrations
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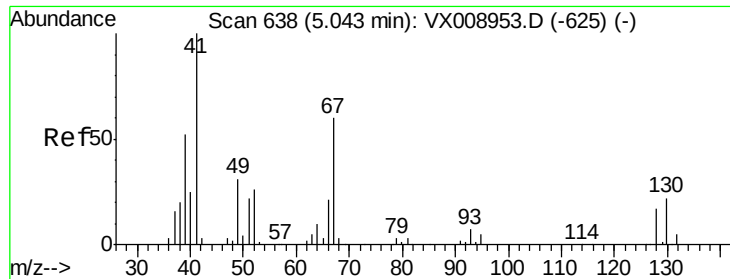
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#40
Benzene
Concen: 22.491 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





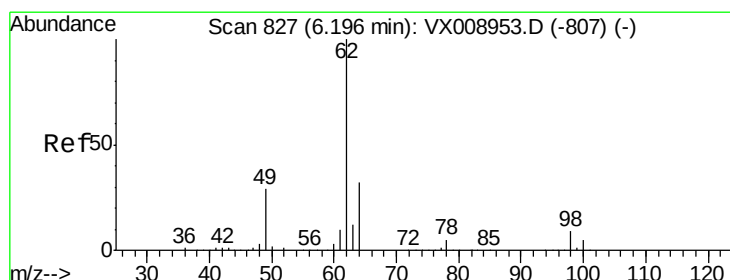
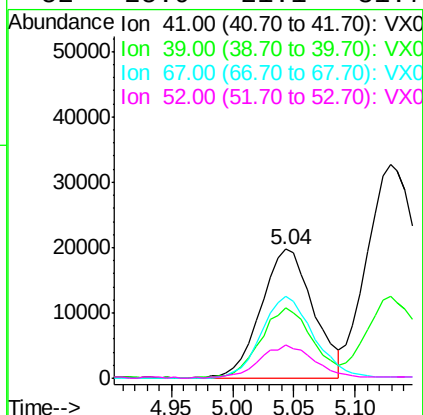
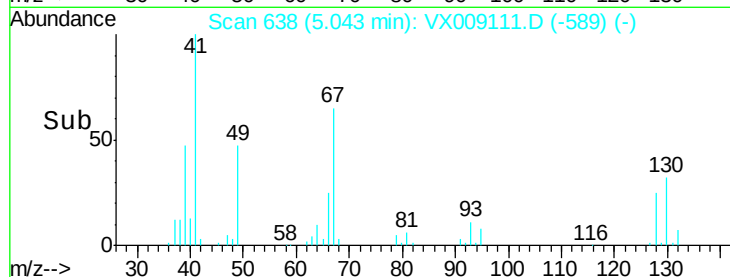
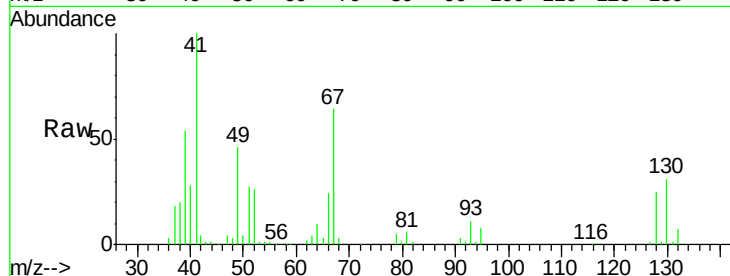
#41
Methacrylonitrile
Concen: 22.679 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.8	41.8	62.6	
67	64.8	50.2	75.4	
52	25.9	21.1	31.7	

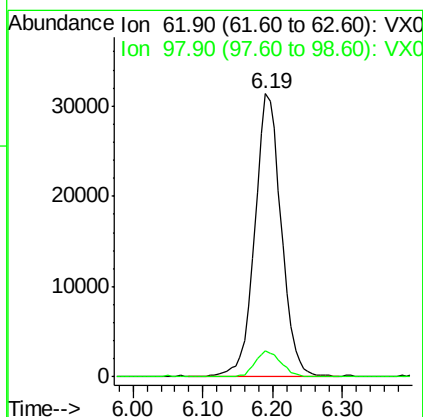
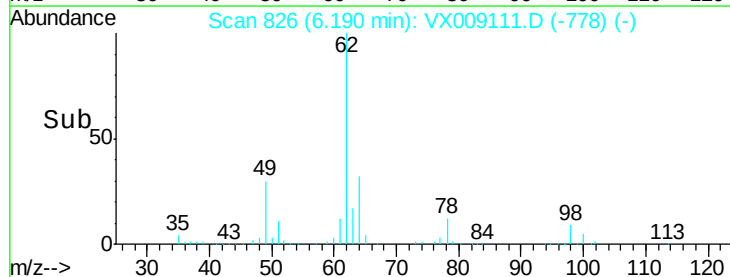
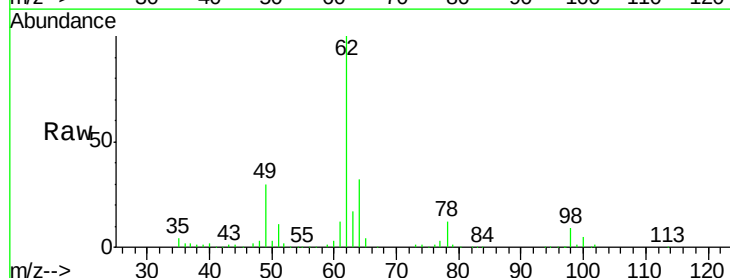
Manual Integrations
APPROVED

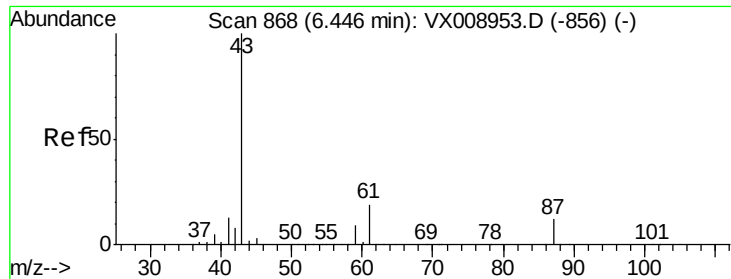
MMDadoda
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#42
1,2-Dichloroethane
Concen: 22.732 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.4	





#43

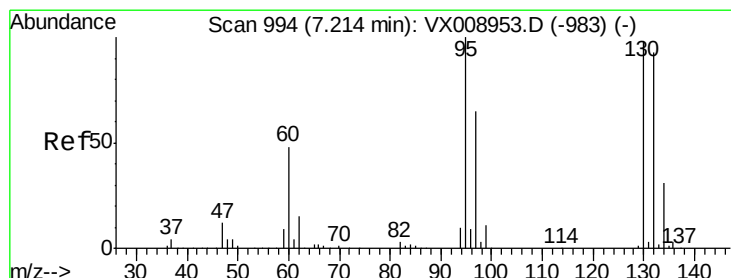
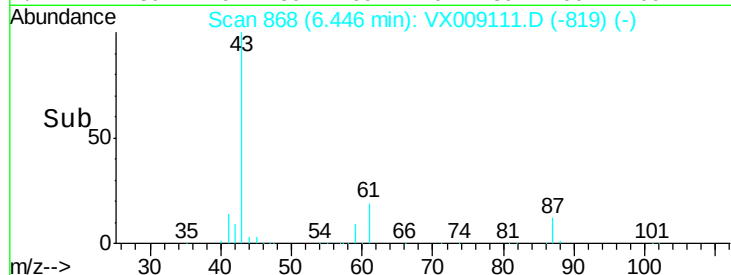
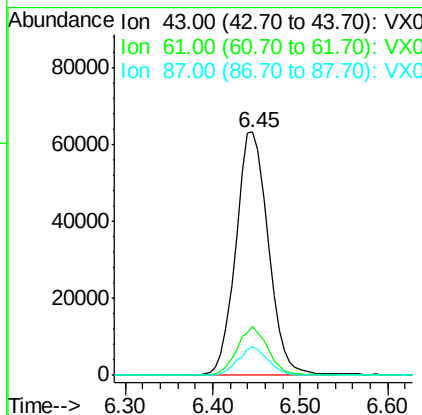
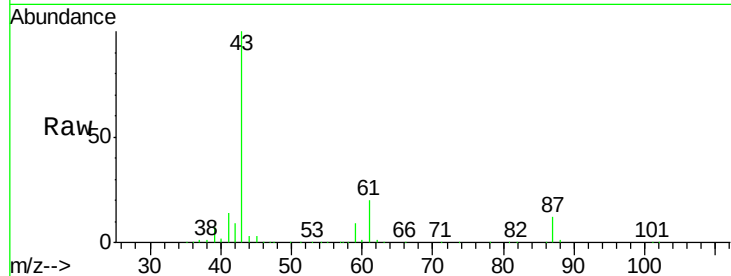
Isopropyl Acetate
 Concen: 22.484 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009111.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.4	23.0
87	11.0	9.0	13.4

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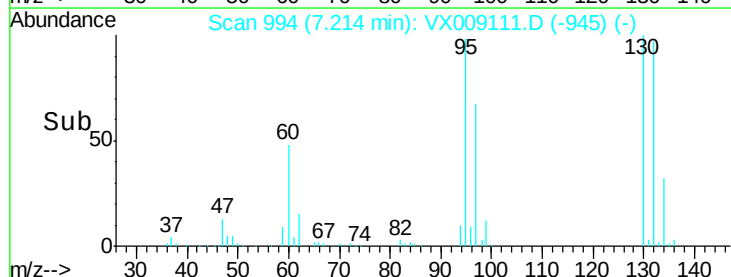
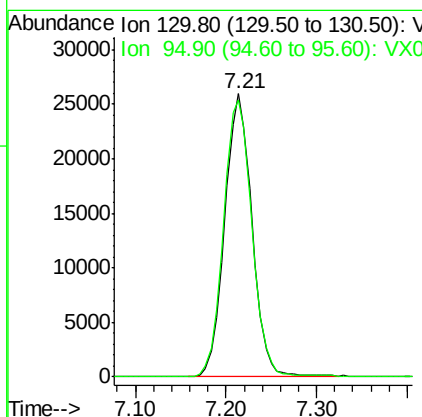
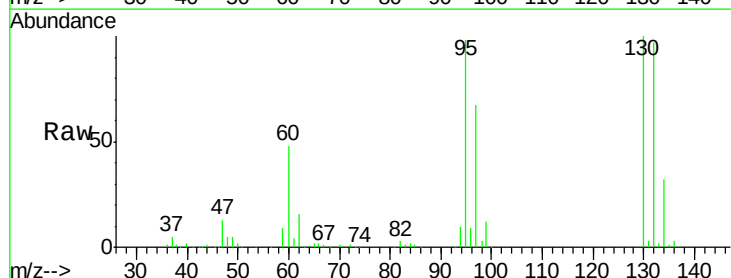
MMDadoda
 4/24/2019 12:02:47 PM

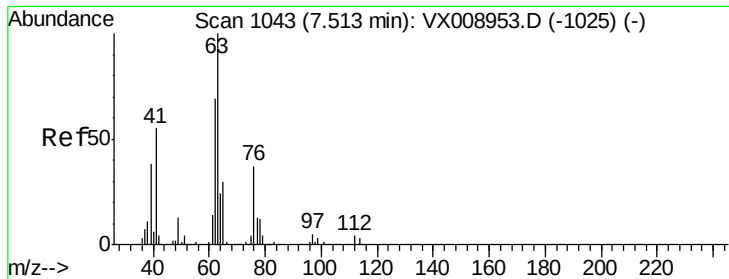


#44

Trichloroethene
 Concen: 21.561 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009111.D
 Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	203.2





#45

1,2-Dichloropropane

Concen: 22.852 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS01

Tot Ion: 63 Resp: 65069

Ion Ratio Lower Upper

63 100

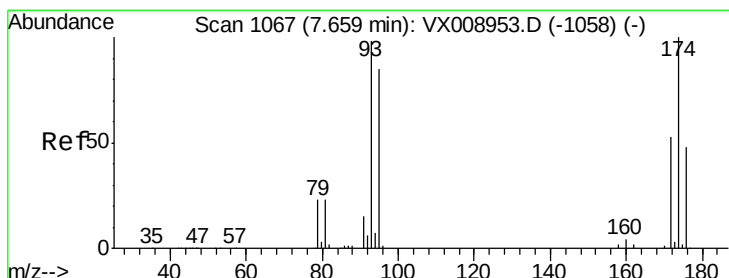
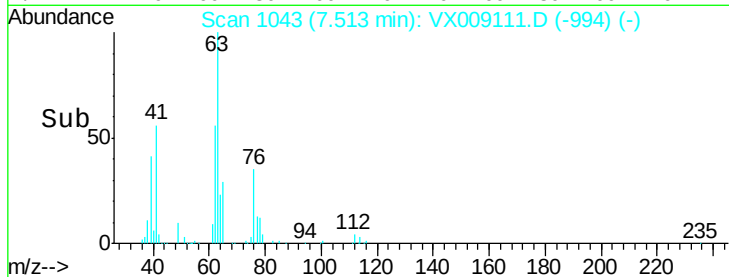
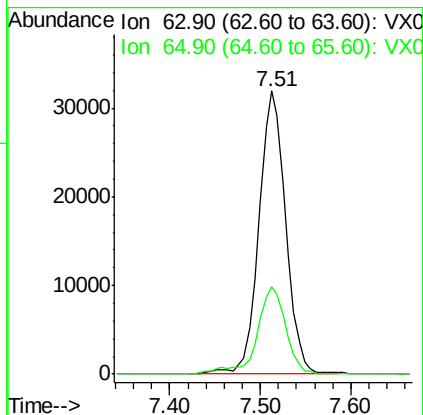
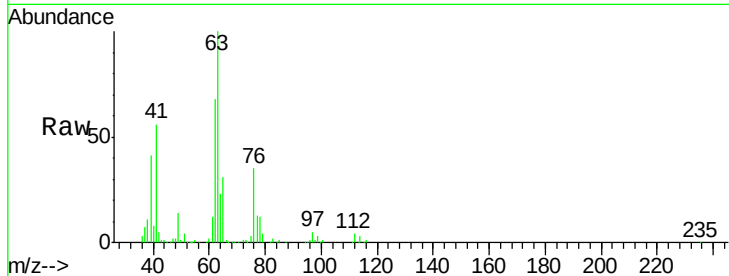
65 30.8 24.1 36.1

Manual Integrations

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#46

Dibromomethane

Concen: 21.740 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

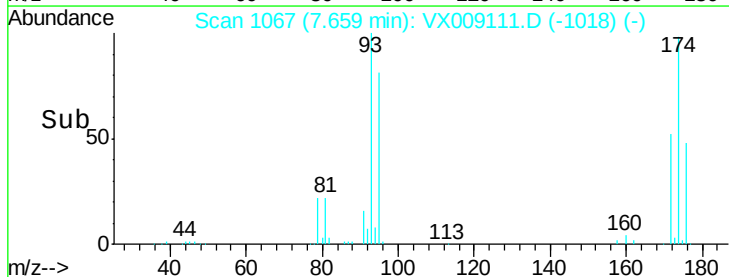
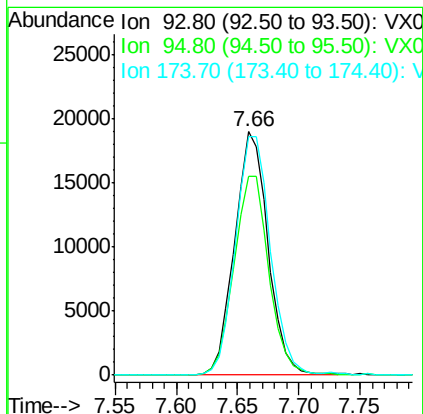
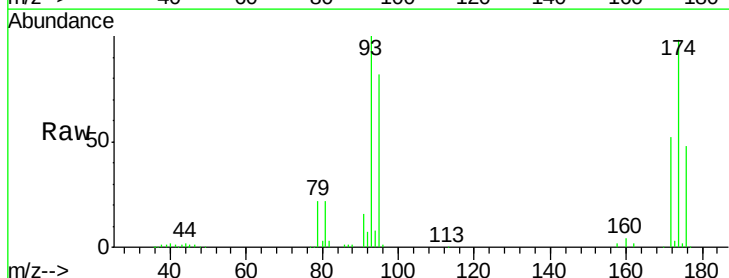
Tgt Ion: 93 Resp: 36025

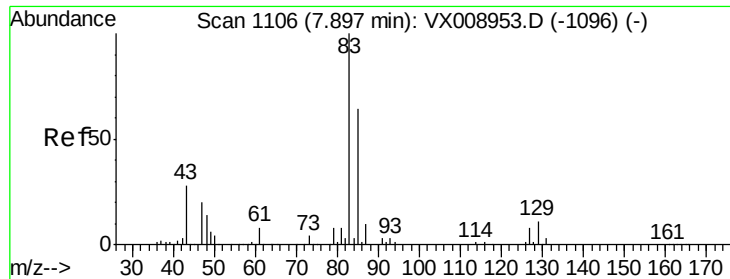
Ion Ratio Lower Upper

93 100

95 85.2 67.0 100.4

174 103.3 81.6 122.4





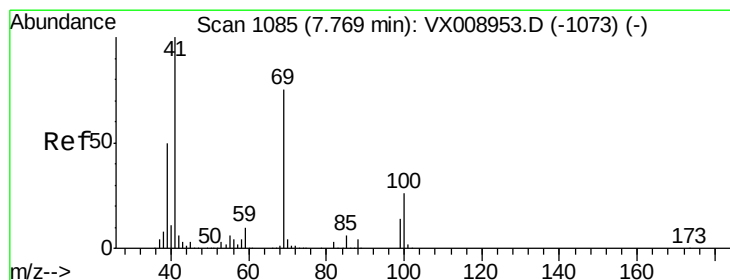
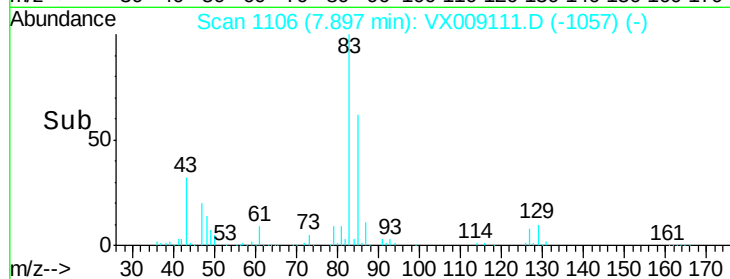
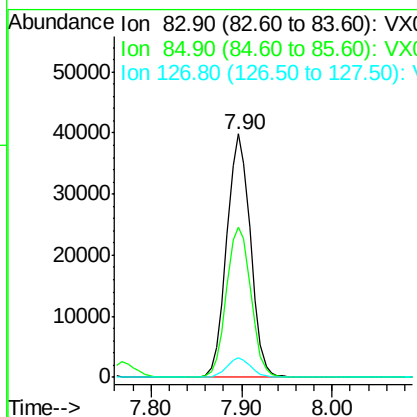
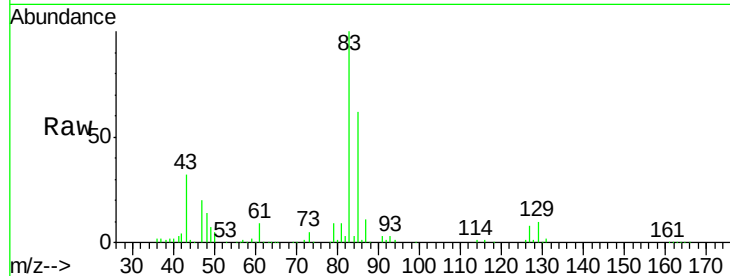
#47
Bromodichloromethane
Concen: 22.269 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS01

Tot Ion	83	Resp	72377
Ion Ratio	100	Lower	Upper
83	100		
85	61.9	50.8	76.2
127	8.2	6.4	9.6

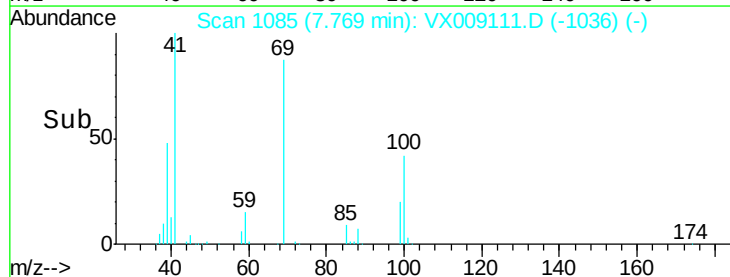
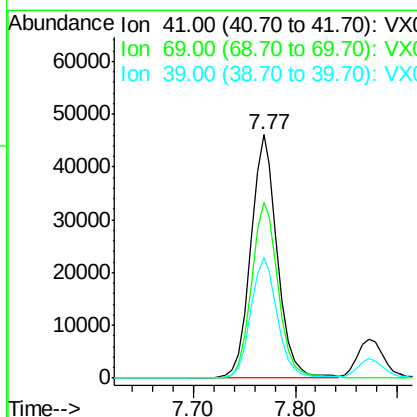
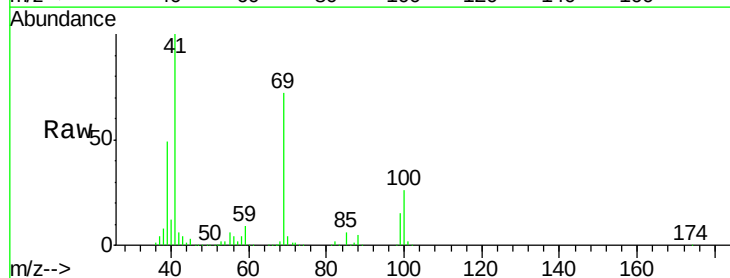
Manual Integrations
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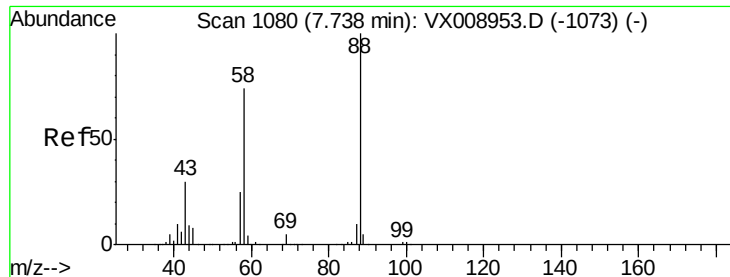
MMDadoda
4/24/2019 12:02:47 PM



#48
Methyl methacrylate
Concen: 23.247 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Tgt Ion	41	Resp	82868
Ion Ratio	100	Lower	Upper
41	100		
69	73.4	59.4	89.2
39	50.0	39.8	59.6





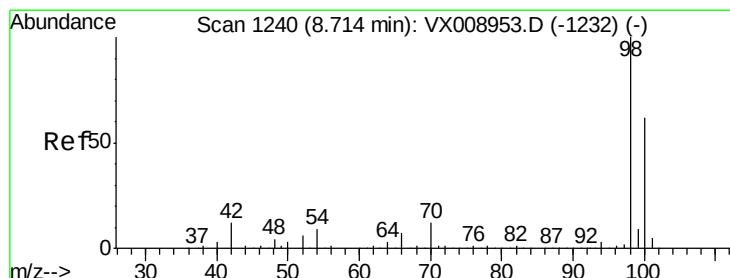
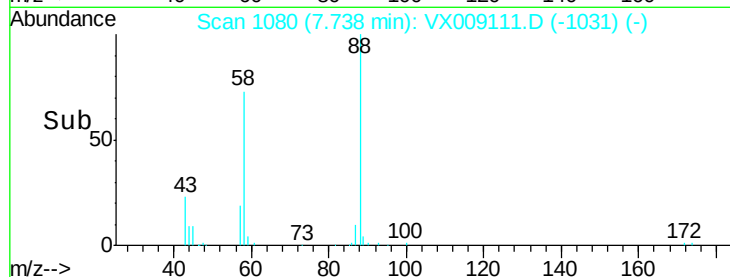
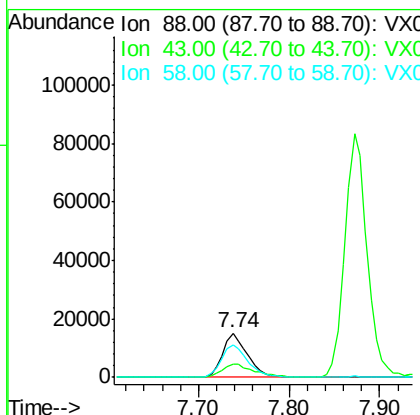
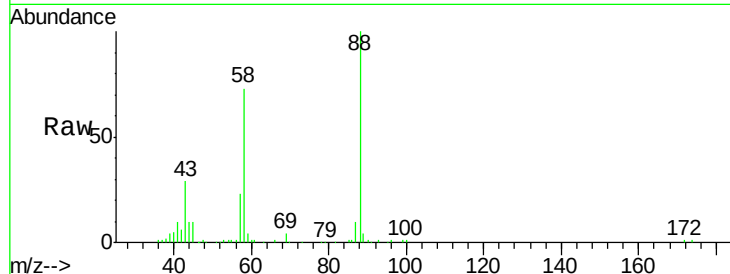
#49
1,4-Dioxane
Concen: 431.209 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	29.3	43.9
58	79.4	62.6	93.8

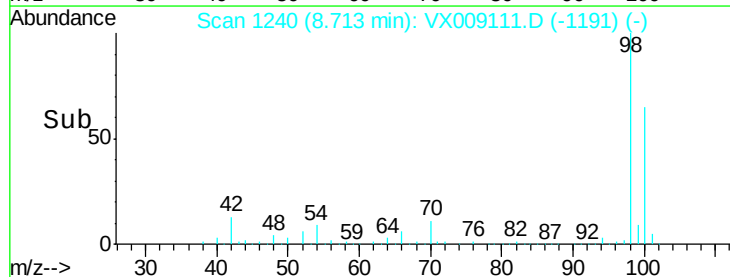
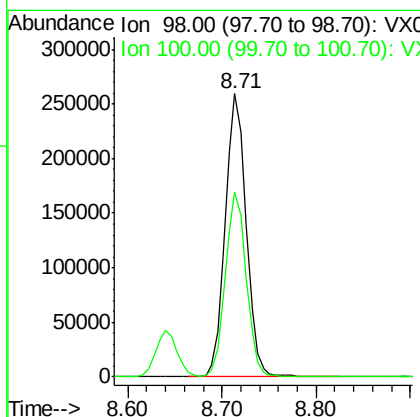
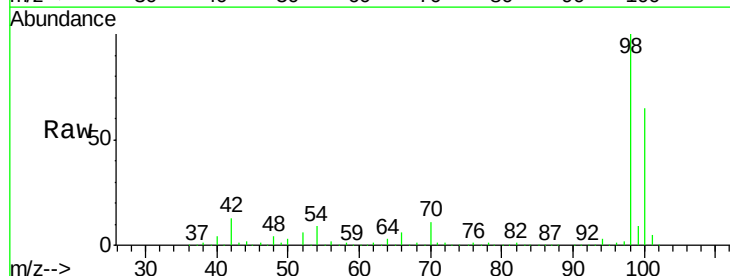
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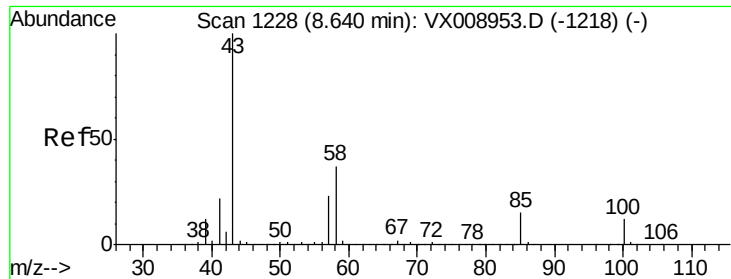
MMDadoda
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#50
Toluene-d8
Concen: 46.661 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.4	77.2





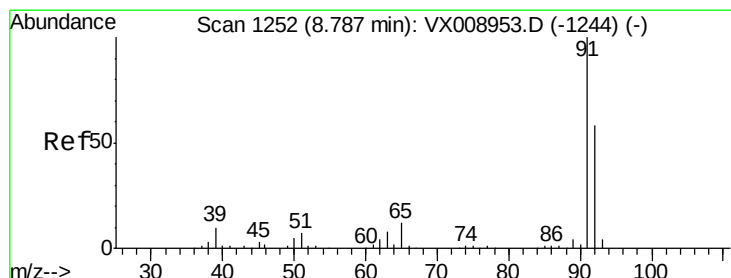
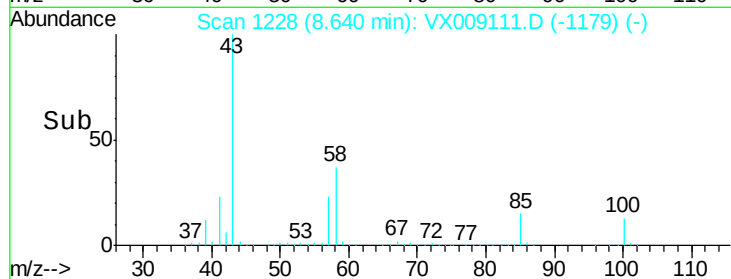
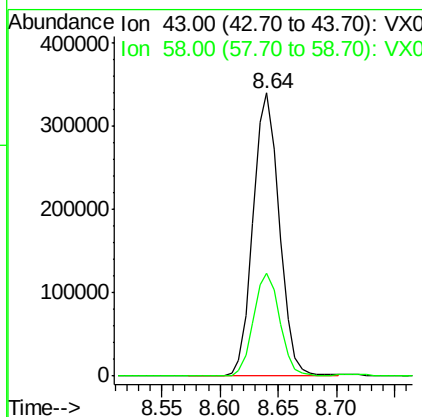
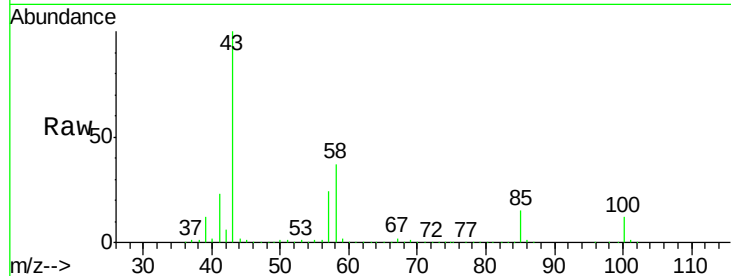
#51
4-Methyl-2-Pentanone
Concen: 117.154 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.8	44.6

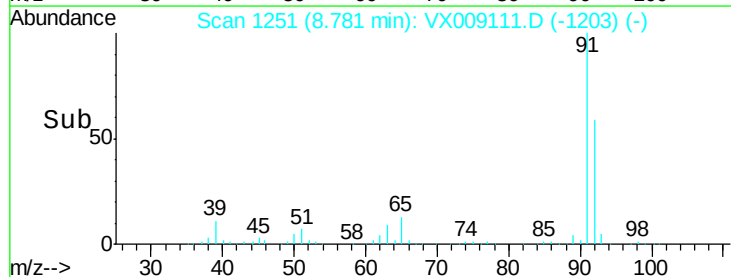
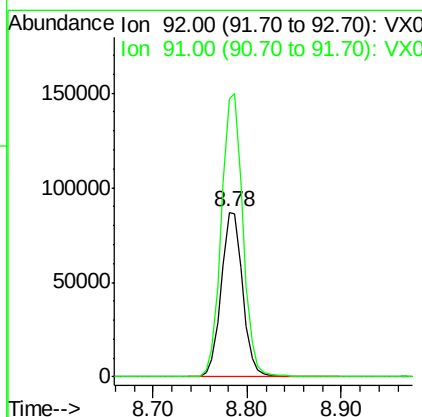
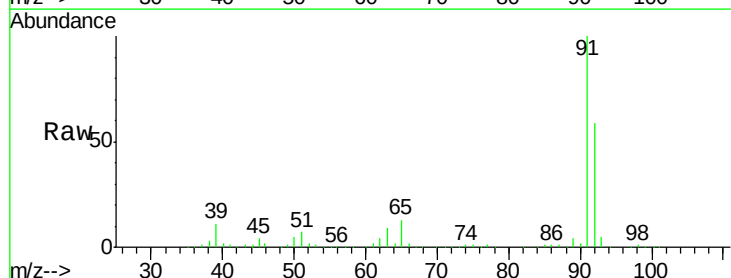
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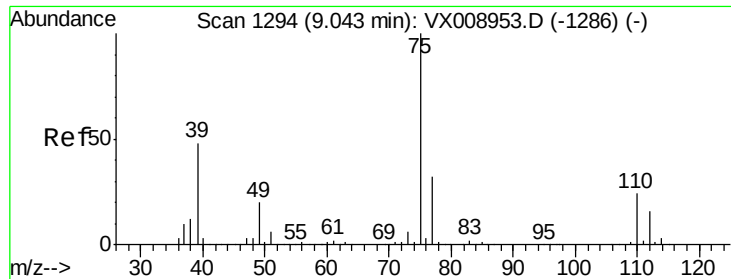
MMDadoda
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#52
Toluene
Concen: 22.430 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.5	138.5	207.7





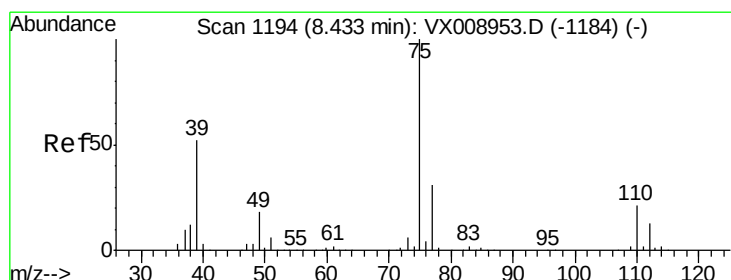
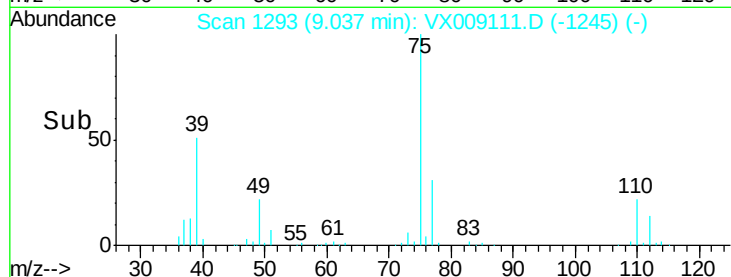
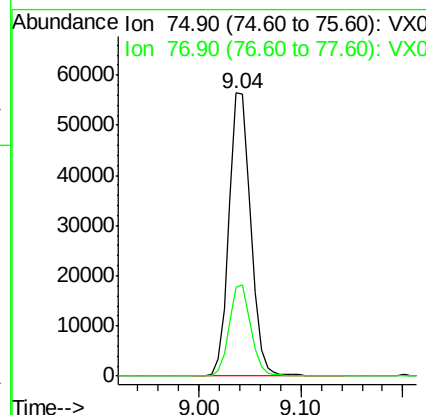
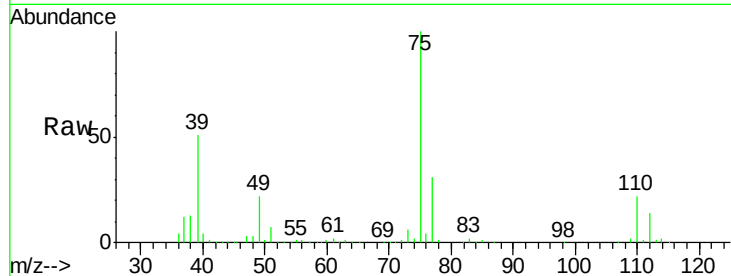
#53
t-1,3-Dichloropropene
Concen: 22.327 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS01

Tot Ion: 75 Resp: 83512
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2

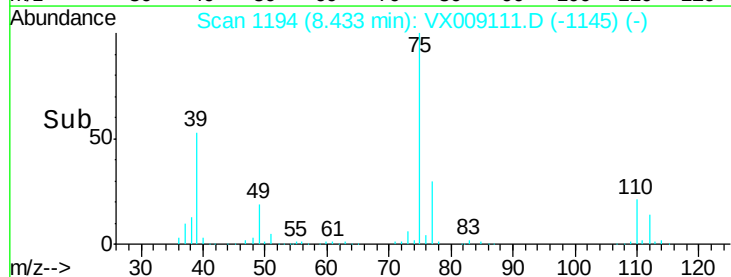
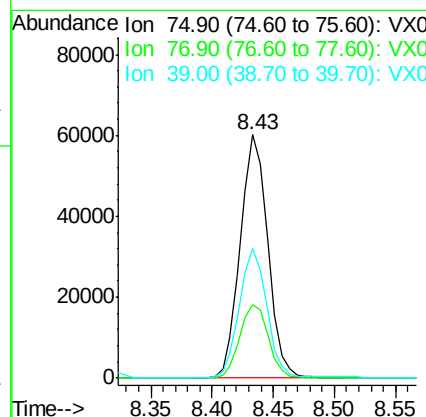
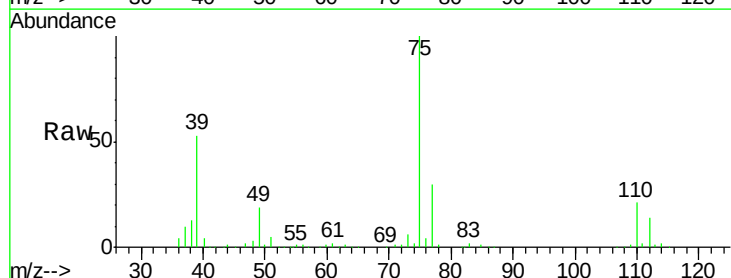
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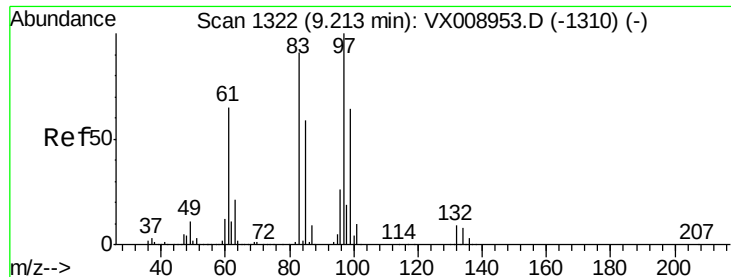
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#54
cis-1,3-Dichloropropene
Concen: 22.422 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Tgt Ion: 75 Resp: 93910
Ion Ratio Lower Upper
75 100
77 30.3 24.8 37.2
39 53.0 41.8 62.6





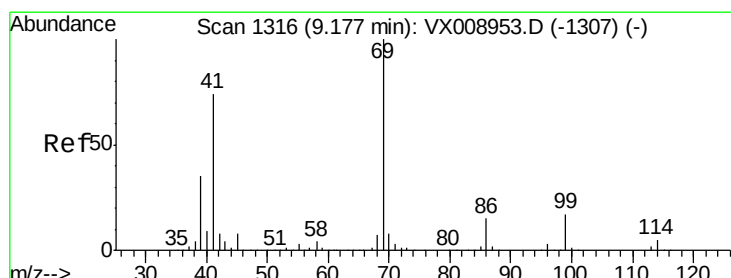
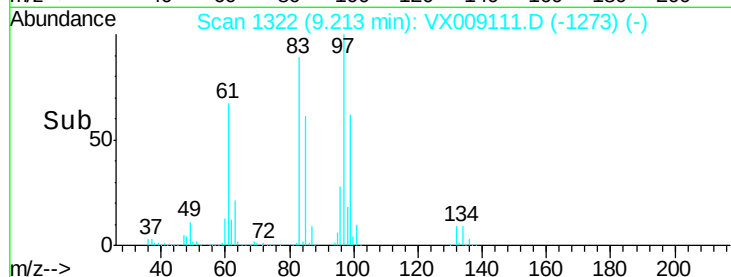
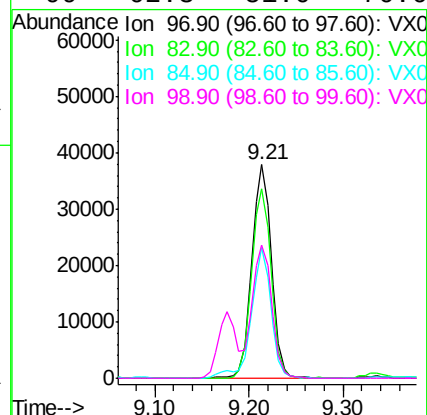
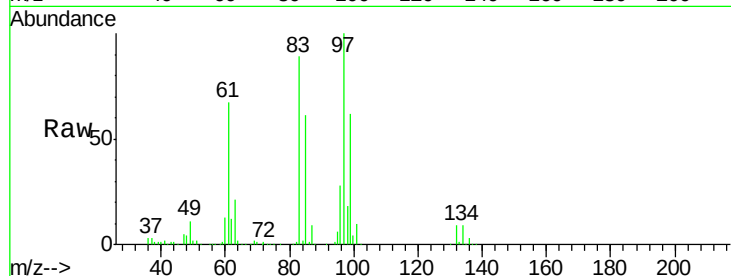
#55
 1,1,2-Trichloroethane
 Concen: 22.656 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009111.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS01

Tot Ion:	97	Resp:	55231
Ion	Ratio	Lower	Upper
97	100		
83	88.9	72.6	108.8
85	61.1	46.9	70.3
99	62.3	51.0	76.6

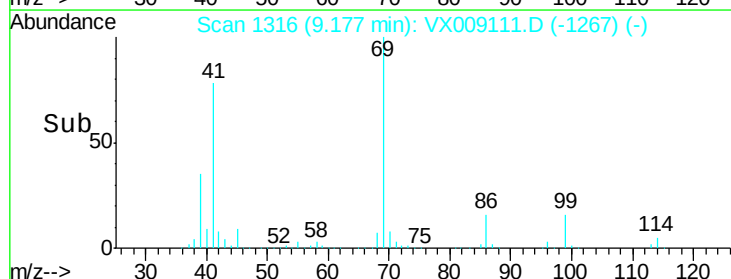
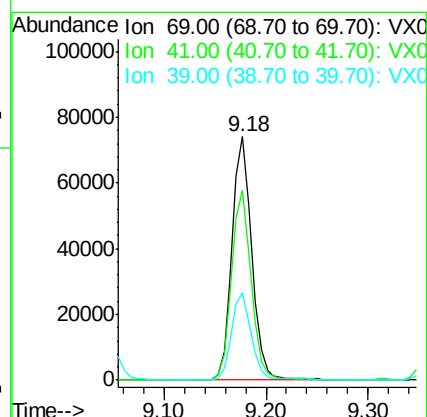
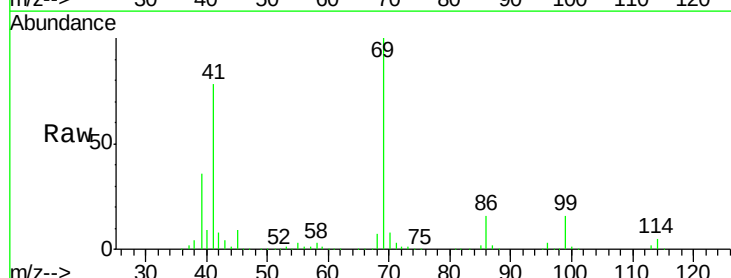
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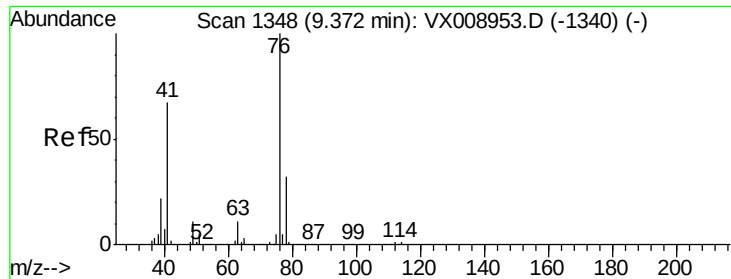
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#56
 Ethyl methacrylate
 Concen: 22.593 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009111.D
 Acq: 23 Apr 2019 11:23

Tgt Ion:	69	Resp:	98759
Ion	Ratio	Lower	Upper
69	100		
41	77.3	60.2	90.2
39	35.5	27.9	41.9





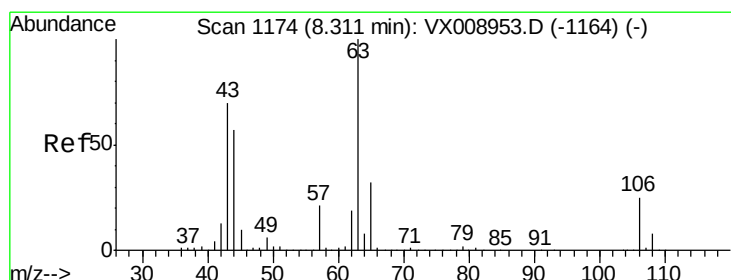
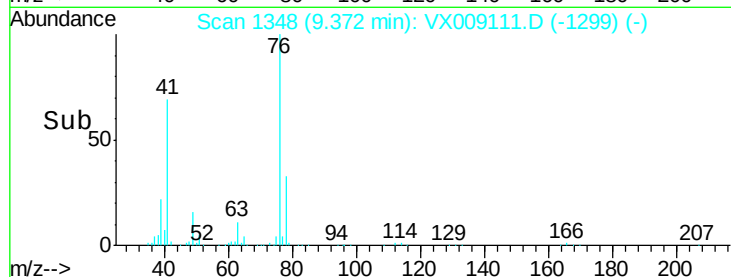
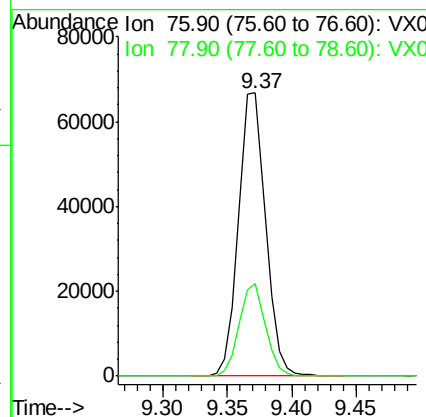
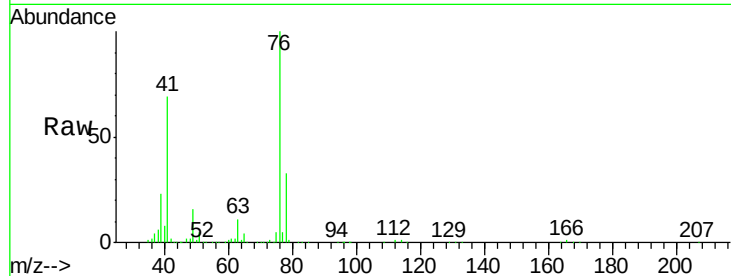
#57
 1,3-Dichloropropane
 Concen: 22.699 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009111.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS01

Tot Ion: 76 Resp: 98525
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

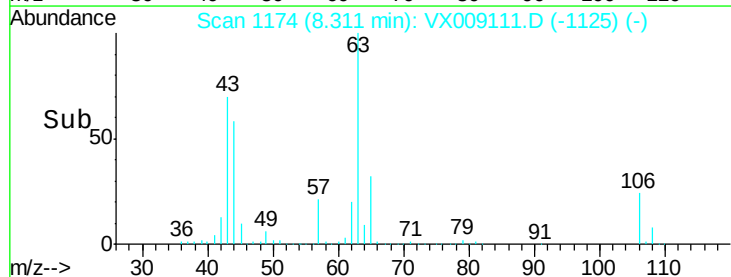
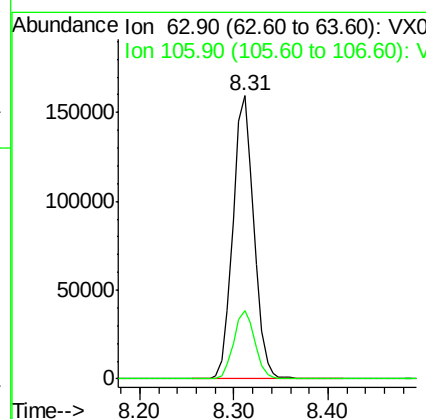
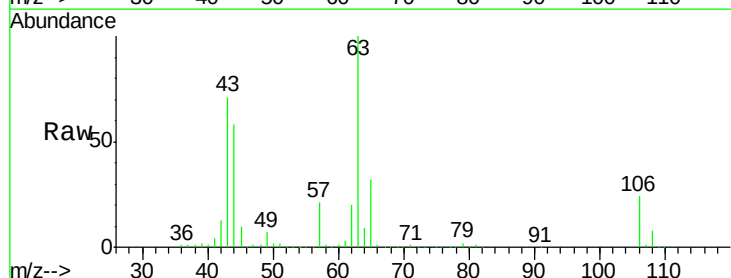
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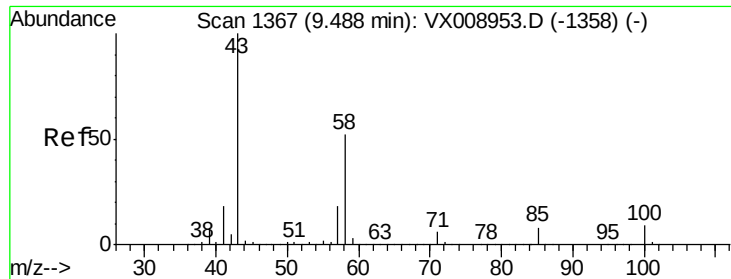
MMDadoda
 4/24/2019 12:02:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.644 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009111.D
 Acq: 23 Apr 2019 11:23

Tgt Ion: 63 Resp: 246327
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.8 29.6





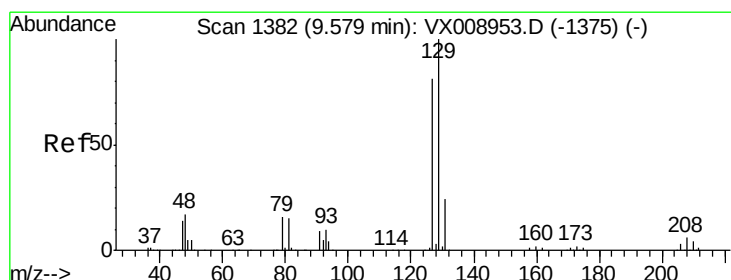
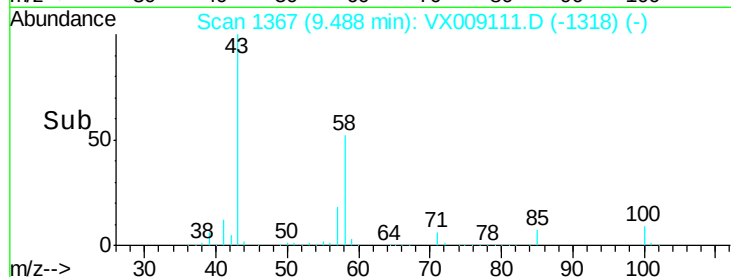
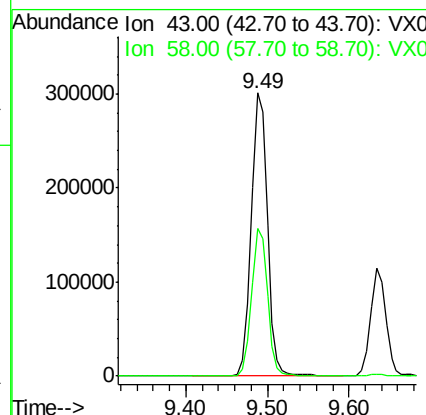
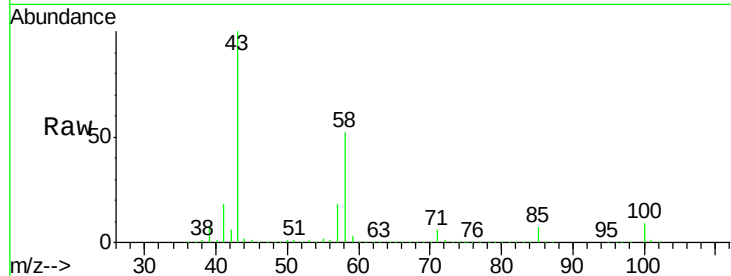
#59
2-Hexanone
Concen: 117.132 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS01

Tot Ion: 43 Resp: 415054
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.8

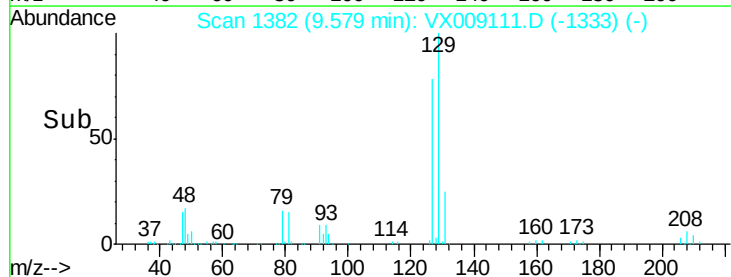
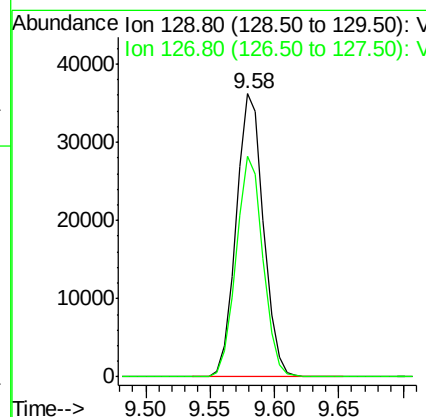
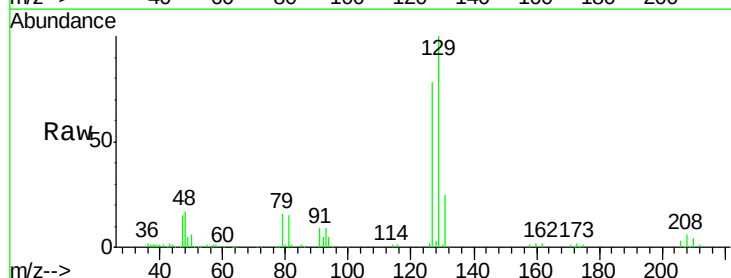
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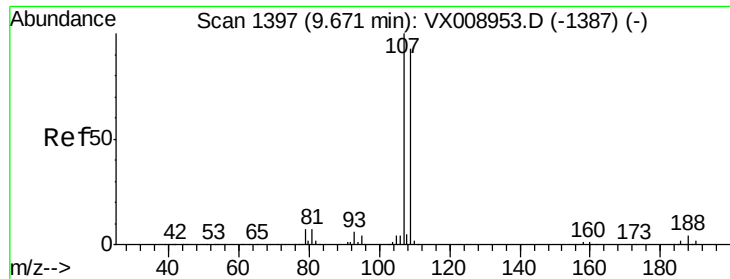
MMDadoda
4/24/2019 12:02:47 PM



#60
Dibromochloromethane
Concen: 22.939 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Tgt Ion:129 Resp: 53596
Ion Ratio Lower Upper
129 100
127 76.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 22.368 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS01

Tot Ion:107 Resp: 56280

Ion Ratio Lower Upper

107 100

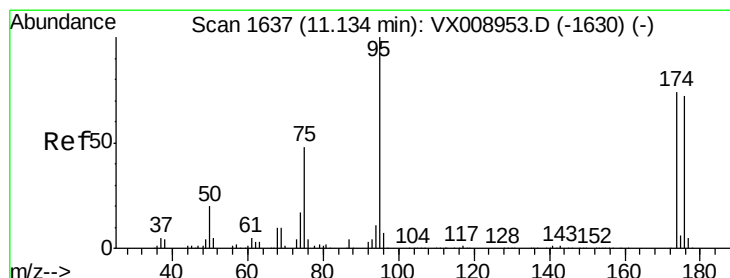
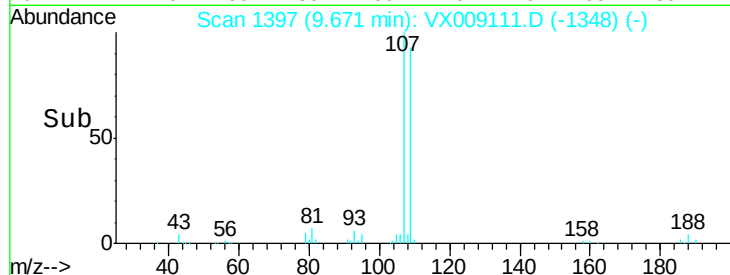
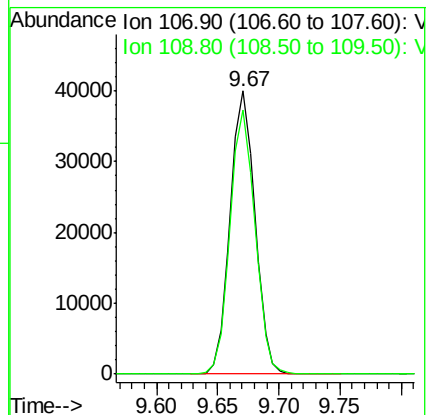
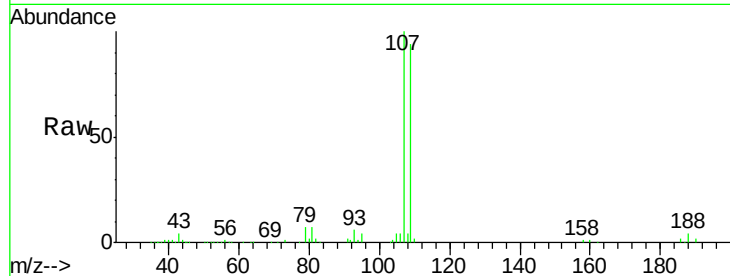
109 93.9 74.4 111.6

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#62

4-Bromofluorobenzene

Concen: 46.928 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

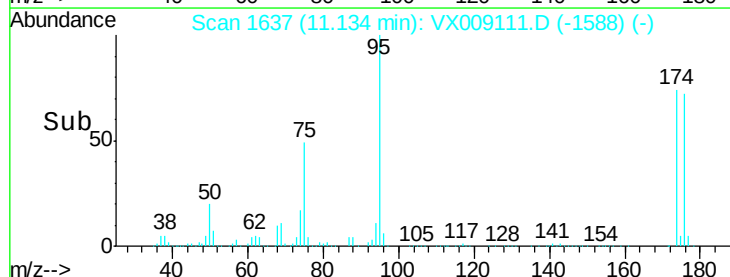
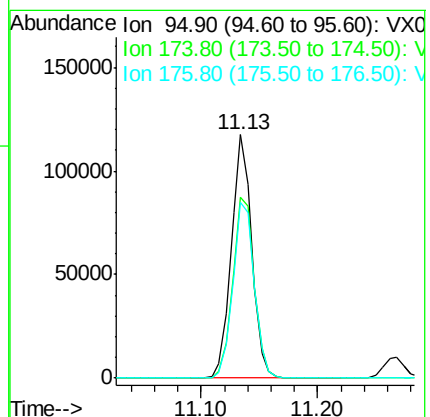
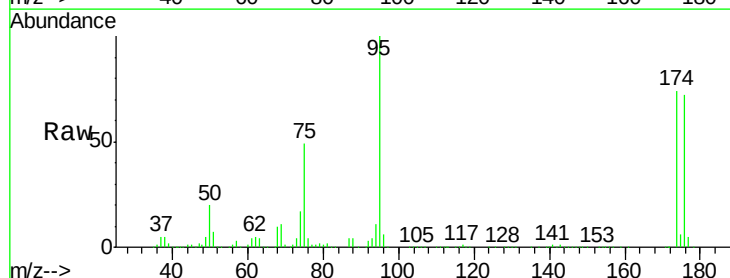
Tgt Ion: 95 Resp: 142627

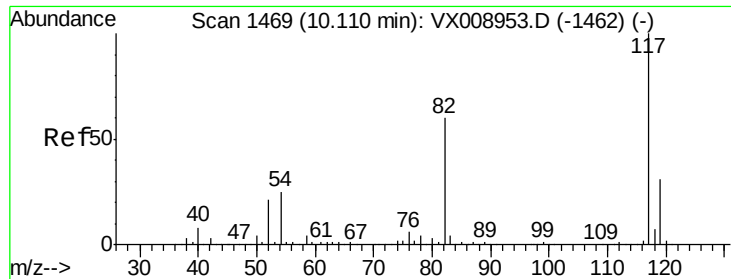
Ion Ratio Lower Upper

95 100

174 78.6 0.0 159.6

176 76.3 0.0 154.8





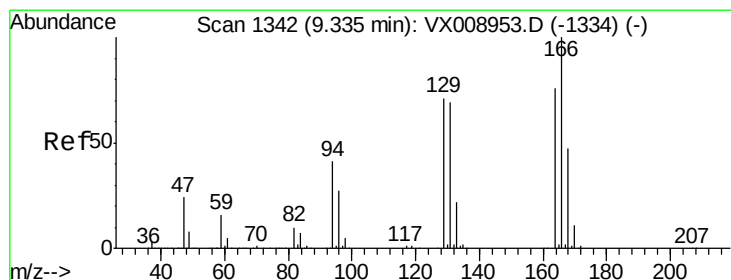
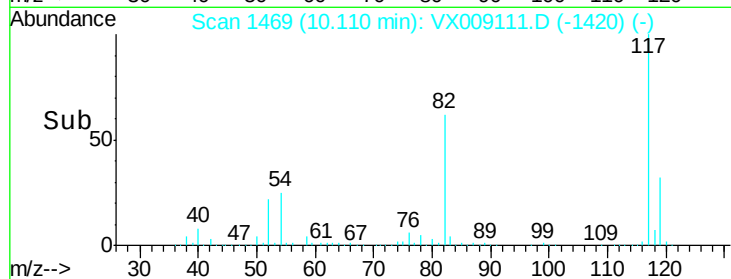
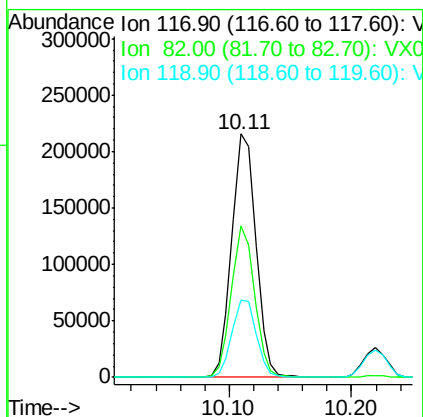
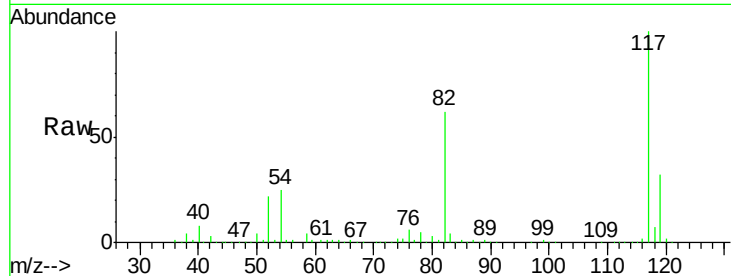
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.3	48.2	72.4
119	32.0	25.0	37.6

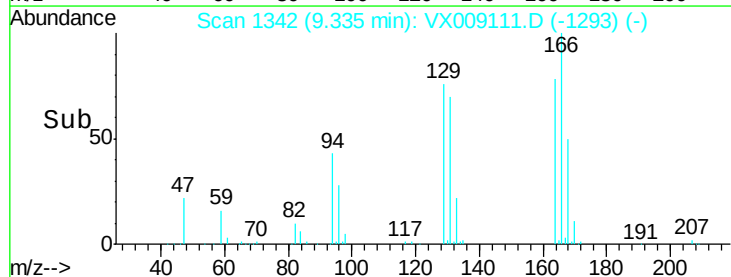
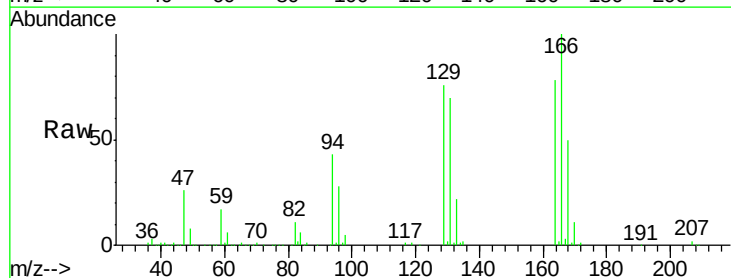
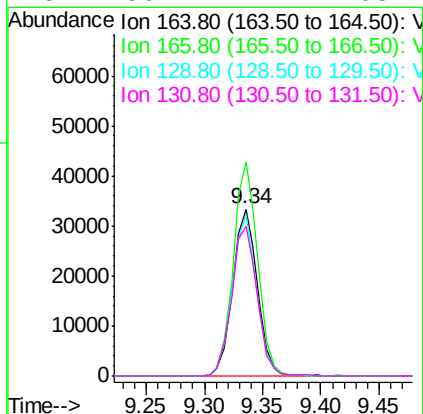
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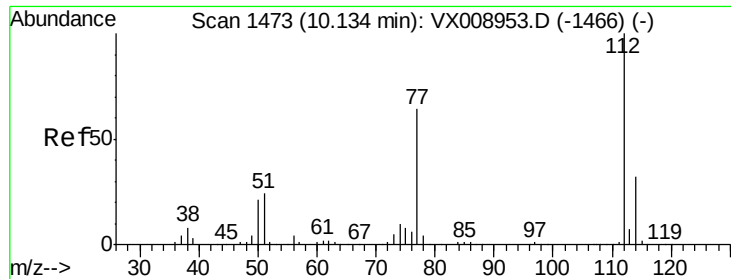
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#64
Tetrachloroethene
Concen: 21.868 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	105.0	157.4
129	96.8	74.2	111.4
131	90.1	72.2	108.2





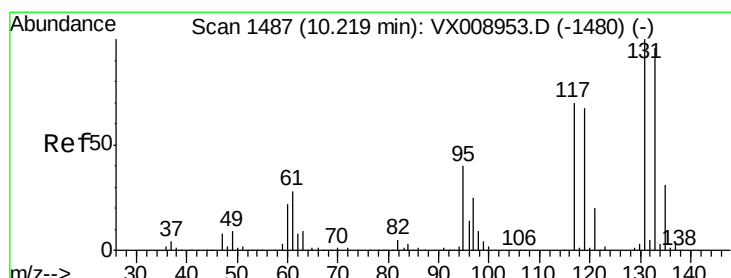
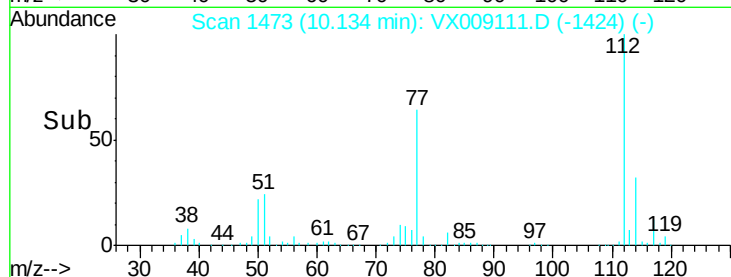
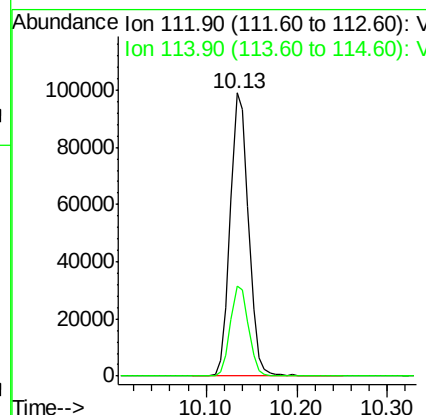
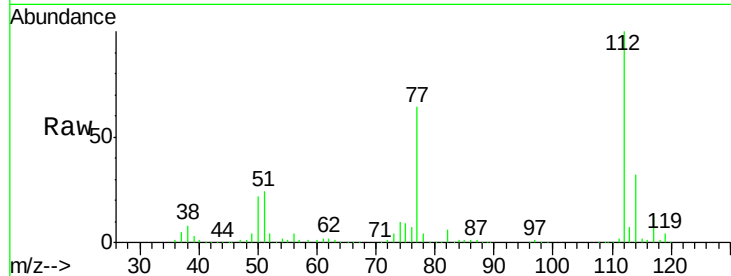
#65
Chlorobenzene
Concen: 22.241 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS01

Tot Ion:112 Resp: 139012
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0

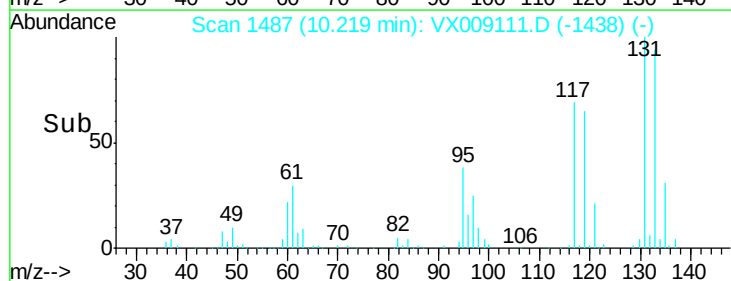
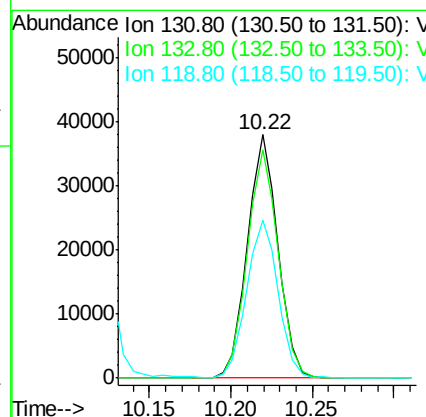
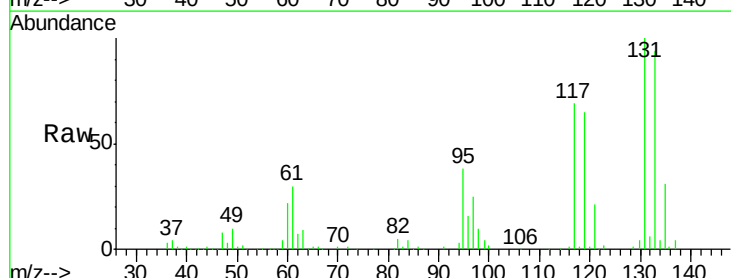
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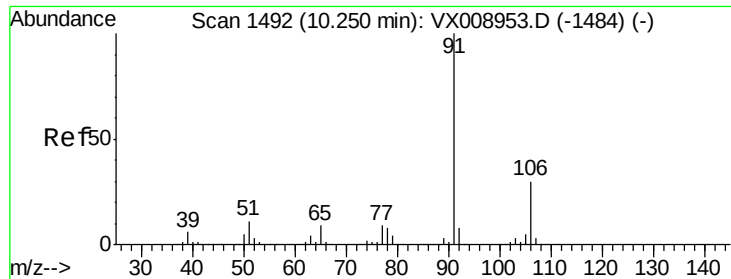
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.560 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Tgt Ion:131 Resp: 49673
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.2
119 67.0 33.7 101.1





#67

Ethyl Benzene

Concen: 22.607 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS01

Tot Ion: 91 Resp: 258293

Ion Ratio Lower Upper

91 100

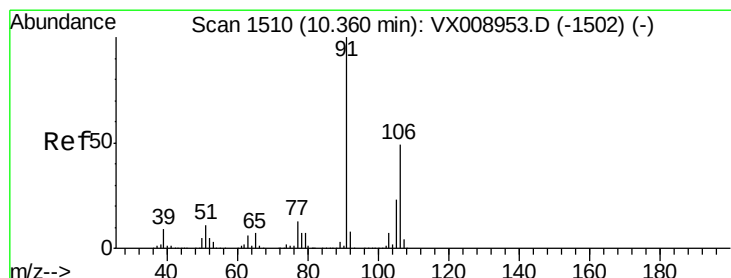
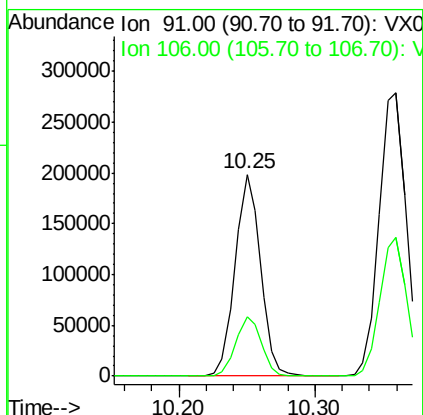
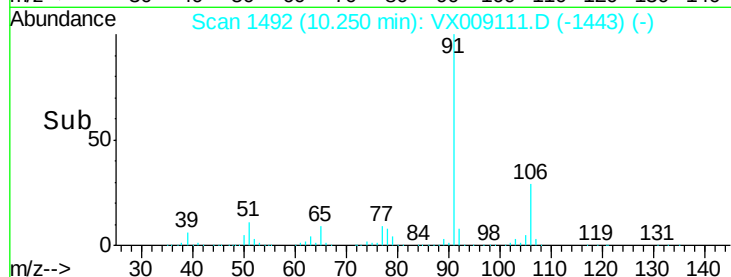
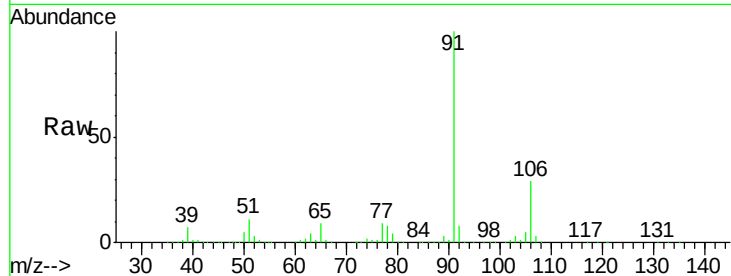
106 29.5 24.3 36.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 45.097 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009111.D

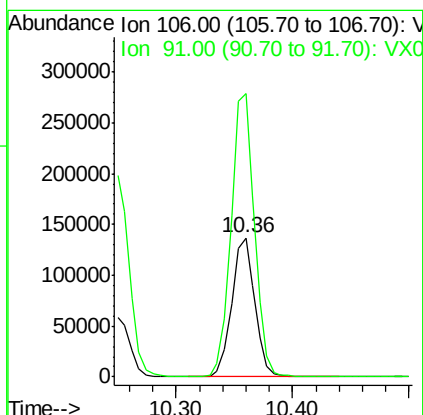
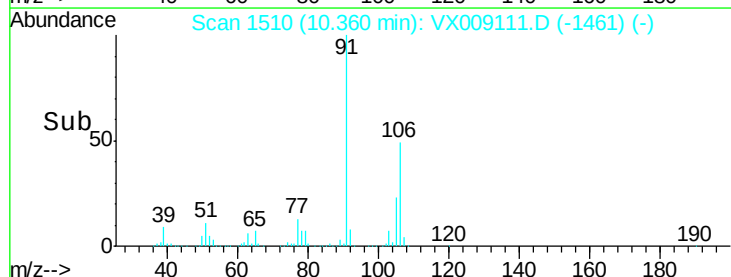
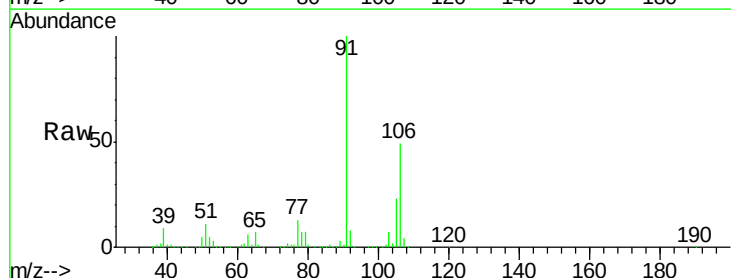
Acq: 23 Apr 2019 11:23

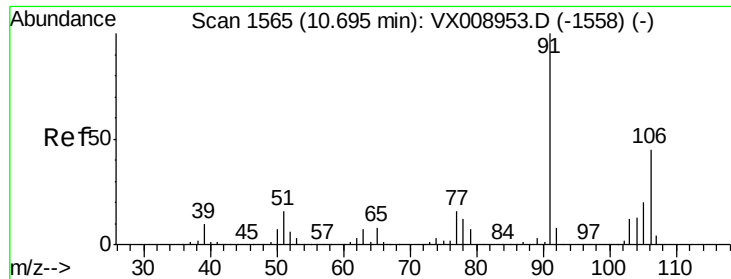
Tgt Ion: 106 Resp: 187257

Ion Ratio Lower Upper

106 100

91 208.2 165.4 248.2





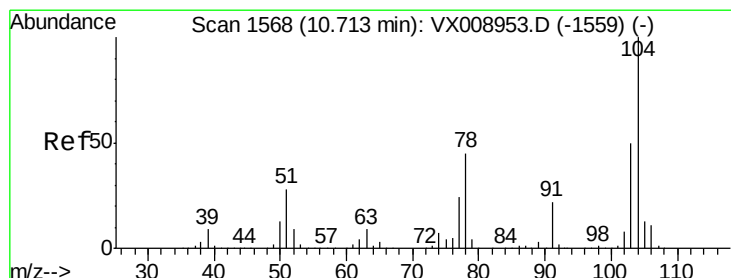
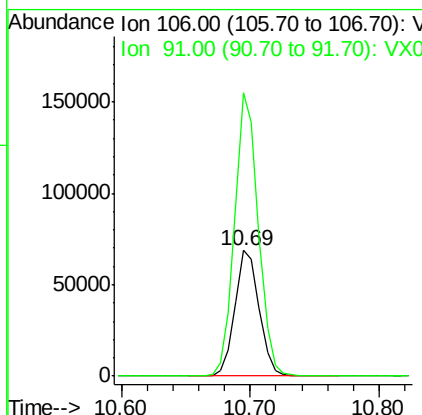
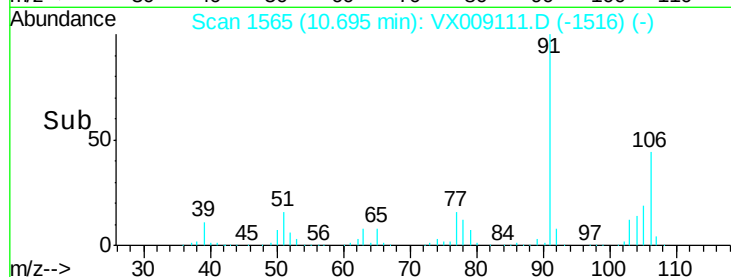
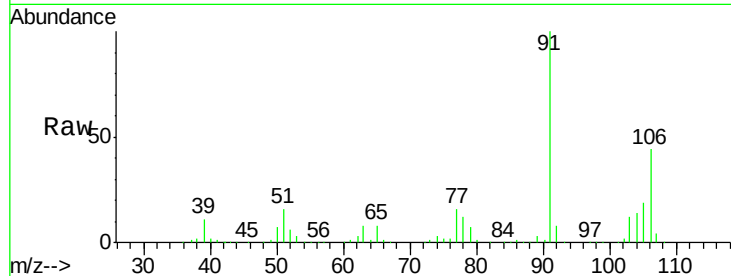
#69
o-Xylene
Concen: 22.289 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS01

Tot Ion:106 Resp: 90054
Ion Ratio Lower Upper
106 100
91 220.5 108.9 326.7

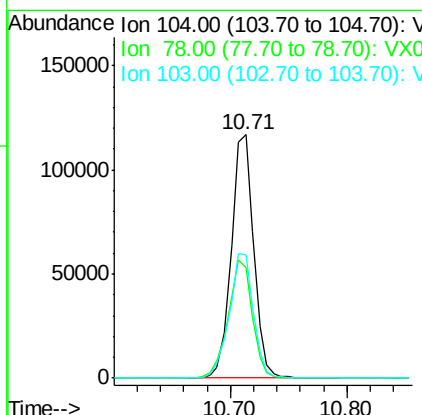
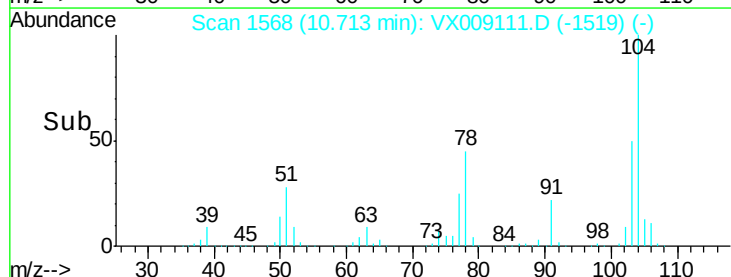
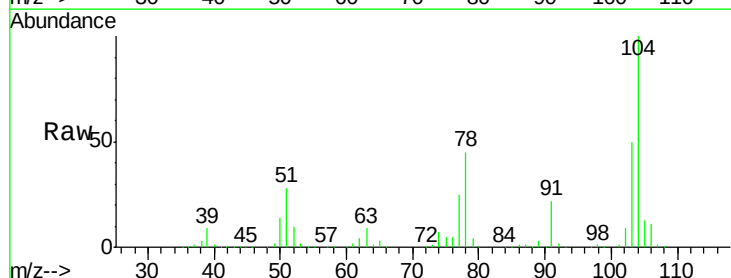
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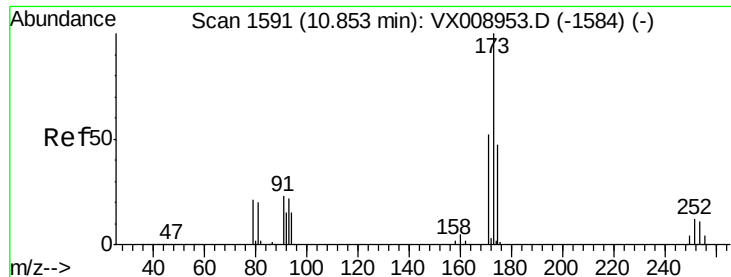
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#70
Styrene
Concen: 22.471 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Tgt Ion:104 Resp: 157332
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 55.2 43.9 65.9





#71

Bromoform

Concen: 22.250 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS01

Tot Ion:173 Resp: 39031

Ion Ratio Lower Upper

173 100

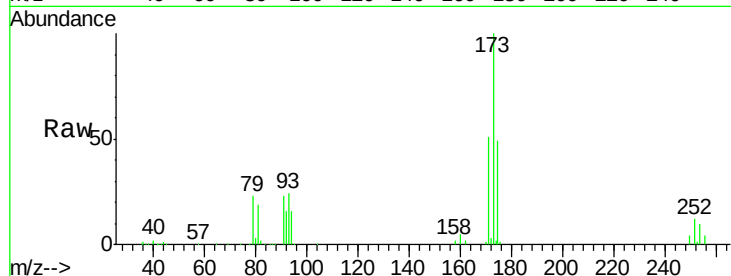
175 48.7 23.9 71.8

254 0.1 0.2 0.4#

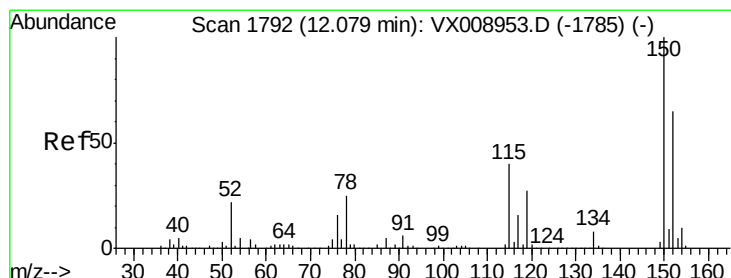
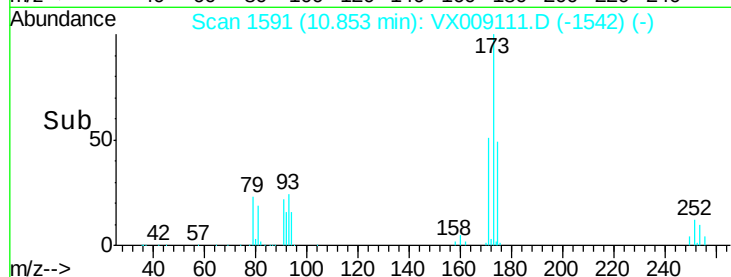
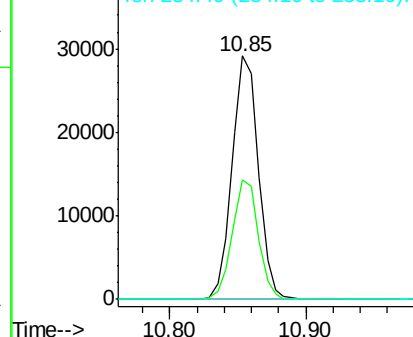
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

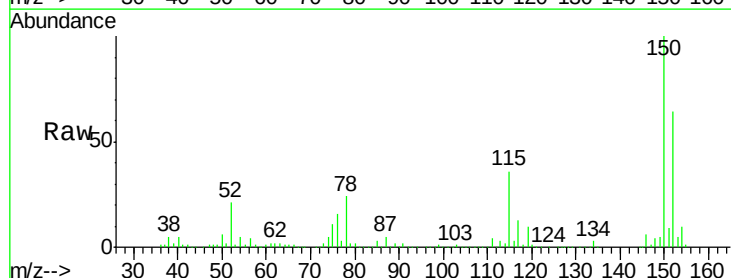
Tgt Ion:152 Resp: 139395

Ion Ratio Lower Upper

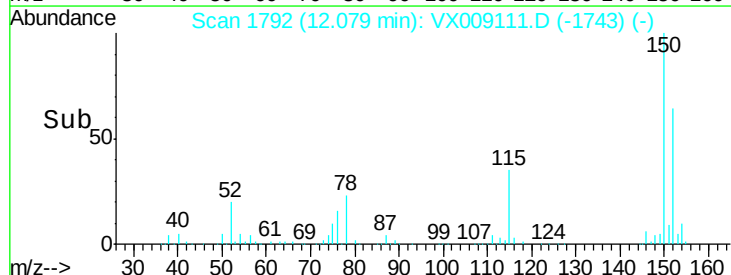
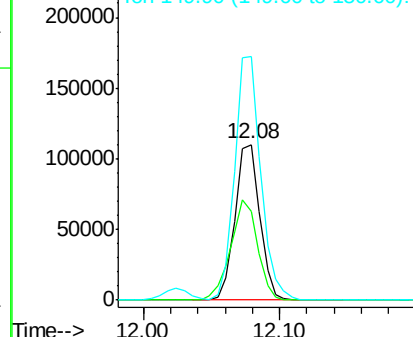
152 100

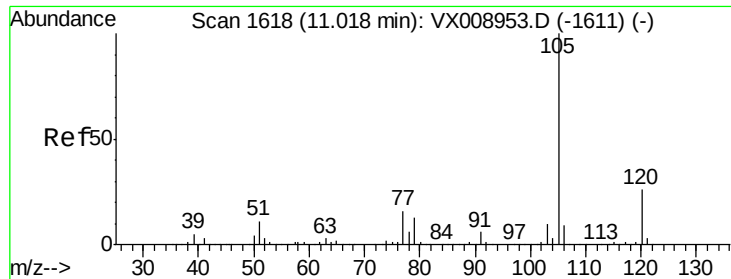
115 69.7 41.4 124.2

150 164.9 0.0 349.8



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





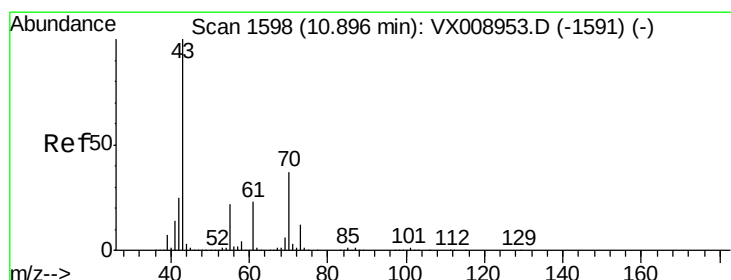
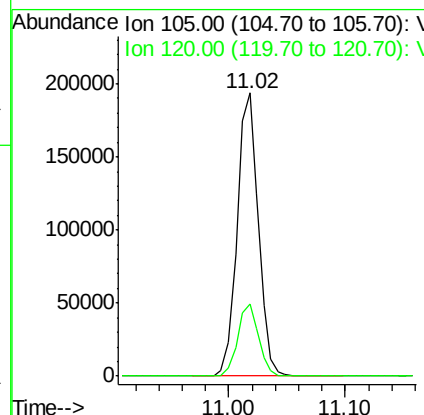
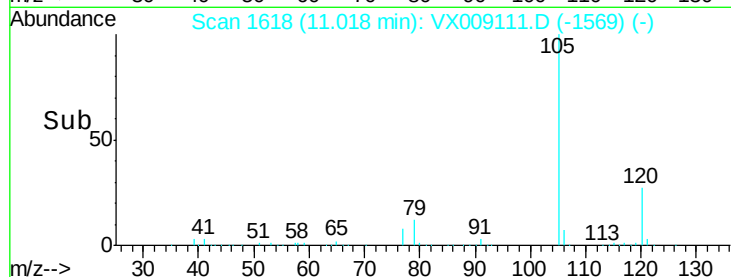
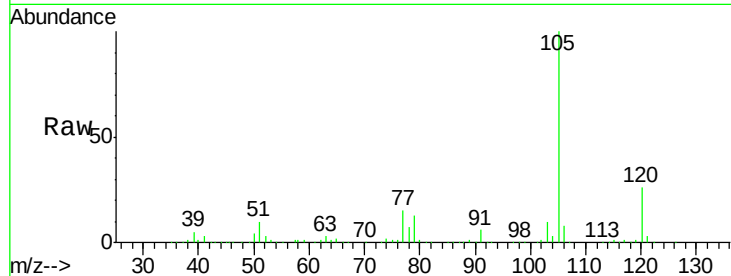
#73
Isopropylbenzene
Concen: 23.109 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.7

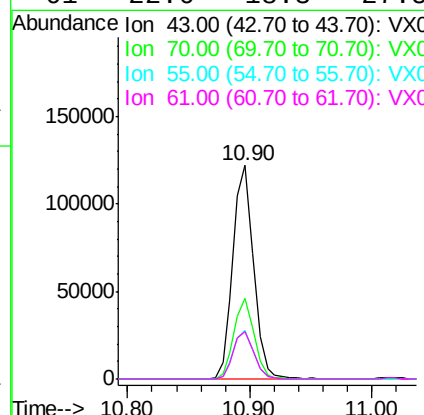
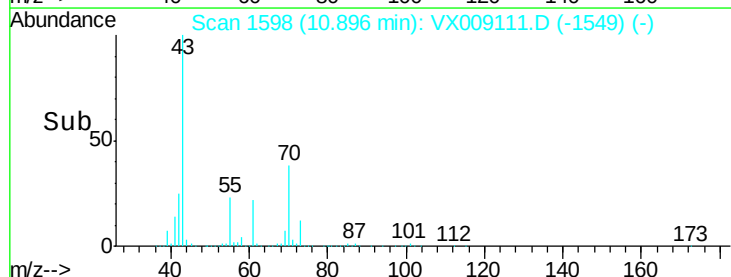
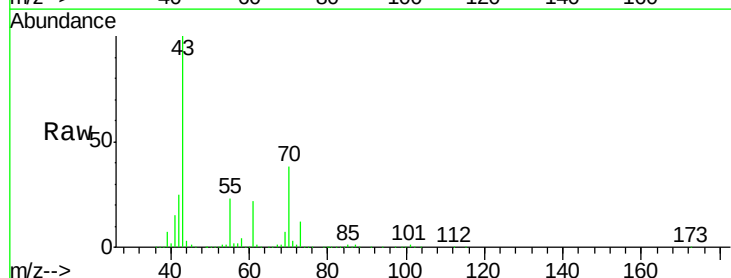
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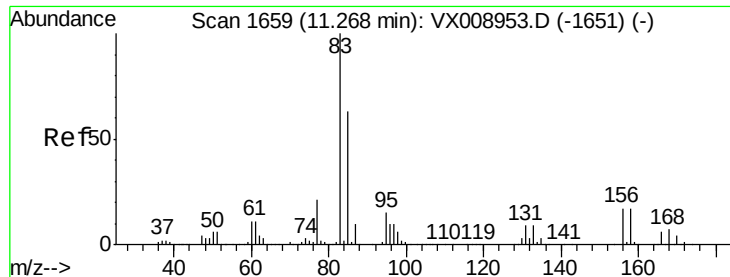
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#74
N-ethyl acetate
Concen: 23.410 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009111.D
Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.2	29.9	44.9
55	22.7	17.8	26.8
61	22.6	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 23.071 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

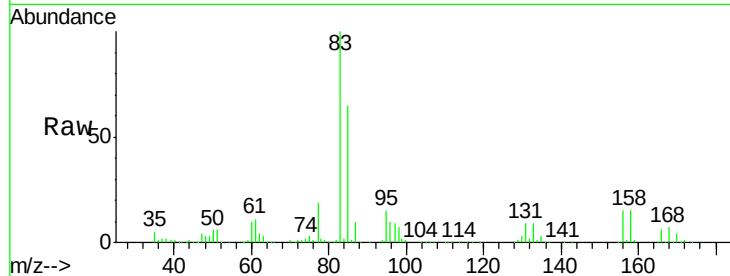
ClientSampleId :

VX0423WBS01

Tot Ion	83	Resp	89068
Ion Ratio	100	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	65.0	31.9	95.9

Manual Integrations
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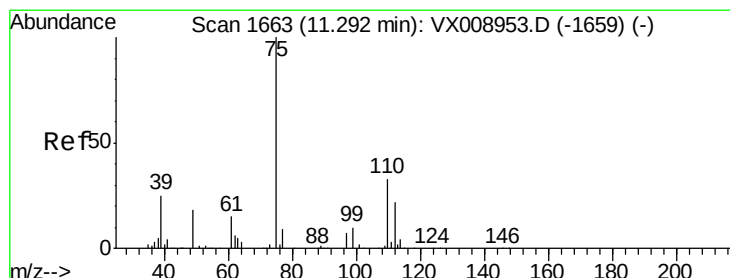
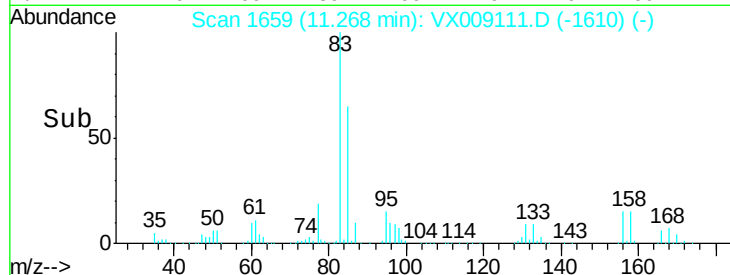
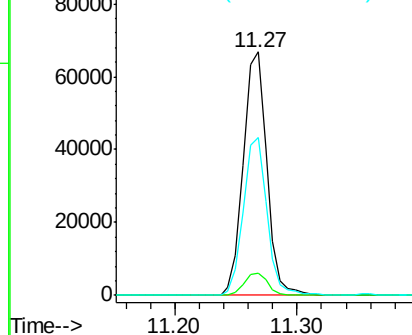
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.202 ug/l m

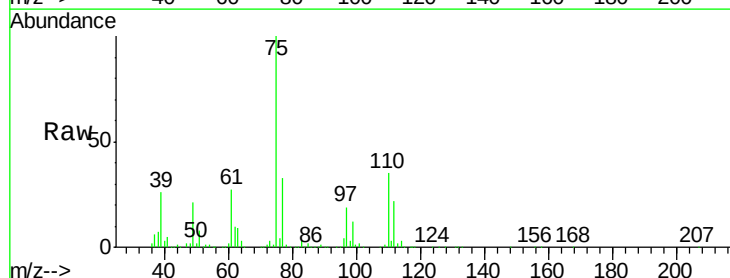
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009111.D

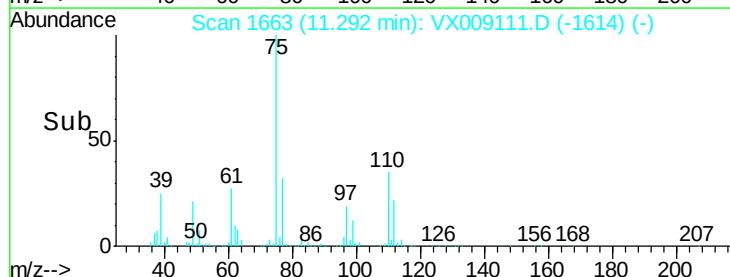
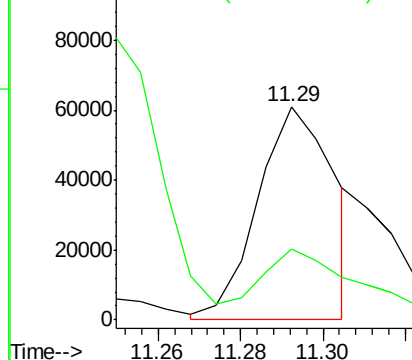
Acq: 23 Apr 2019 11:23

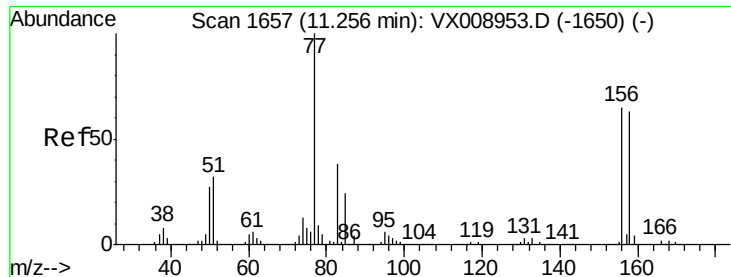
Tgt Ion	75	Resp	78973
Ion Ratio	100	Lower	Upper
75	100		
77	43.1	22.7	68.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 22.164 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS01

Tot Ion:156 Resp: 59087

Ion Ratio Lower Upper

156 100

77 174.6 85.4 256.1

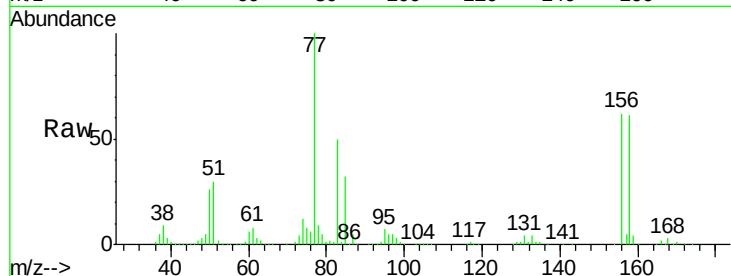
158 96.9 48.8 146.4

Manual Integrations

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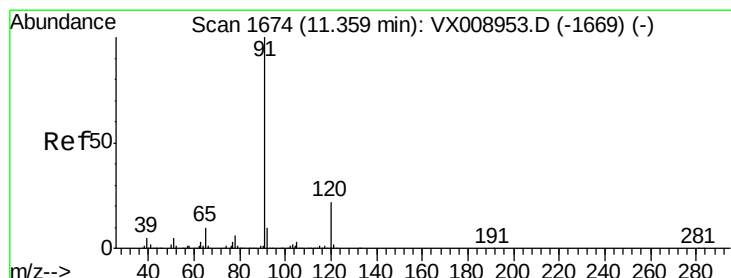
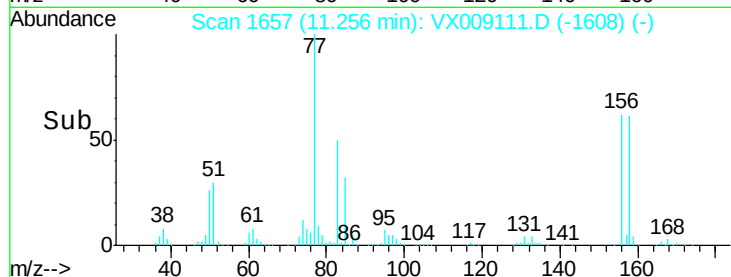
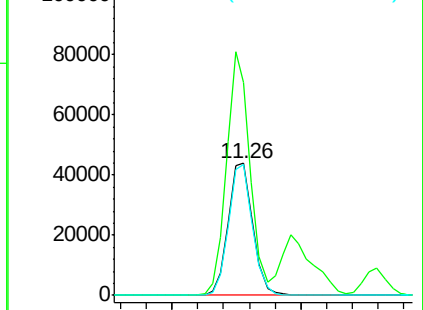
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.097 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009111.D

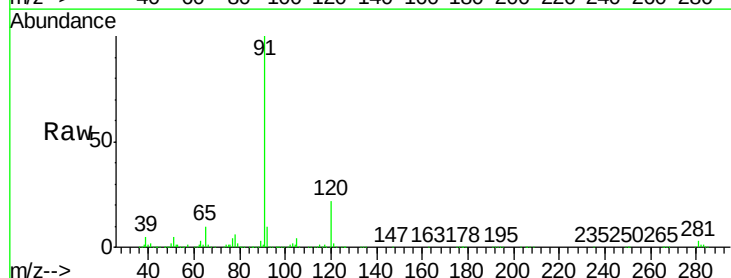
Acq: 23 Apr 2019 11:23

Tgt Ion: 91 Resp: 280109

Ion Ratio Lower Upper

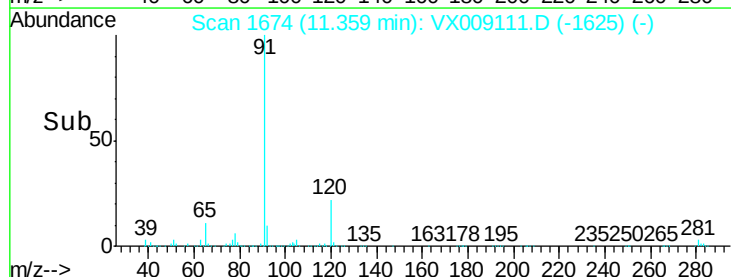
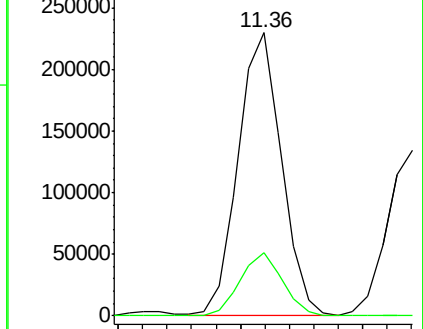
91 100

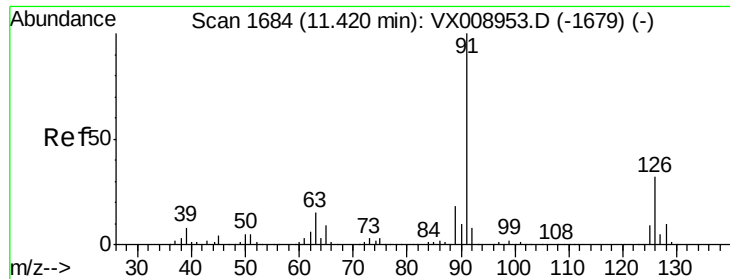
120 22.1 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.676 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS01

Tot Ion: 91 Resp: 165714

Ion Ratio Lower Upper

91 100

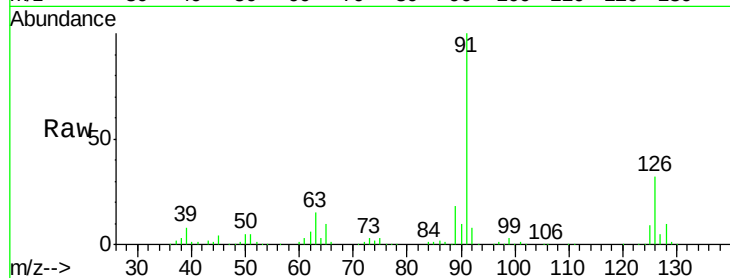
126 32.3 16.3 48.9

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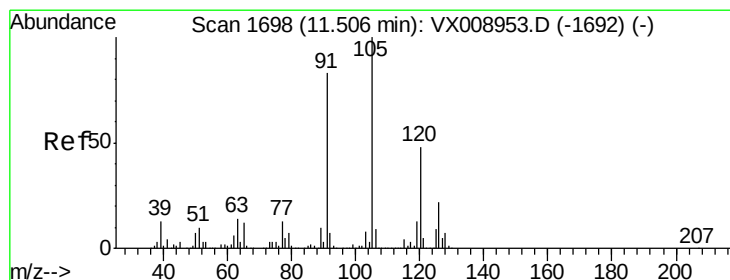
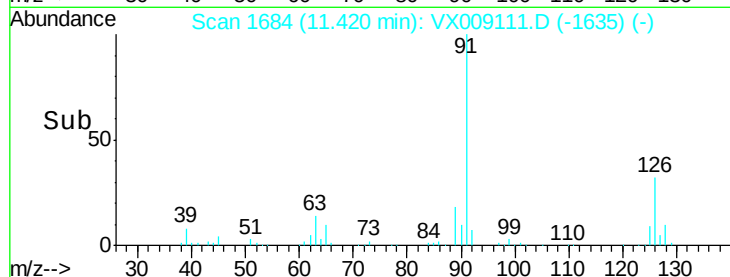
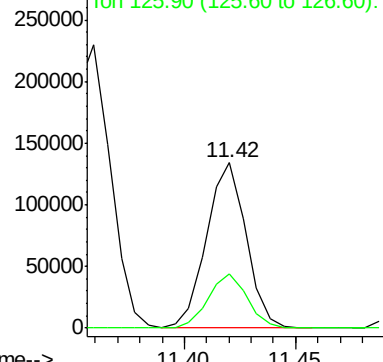
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Abundance Ion 91.00 (90.70 to 91.70): VX008953.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.003 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009111.D

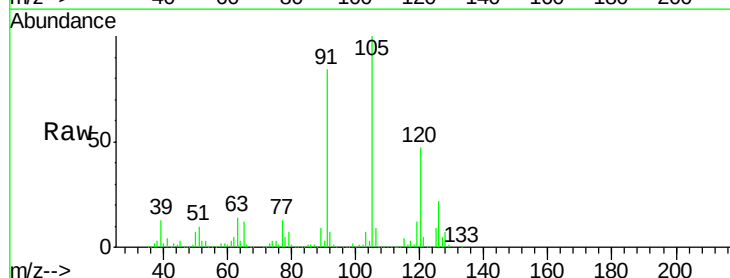
Acq: 23 Apr 2019 11:23

Tgt Ion:105 Resp: 203952

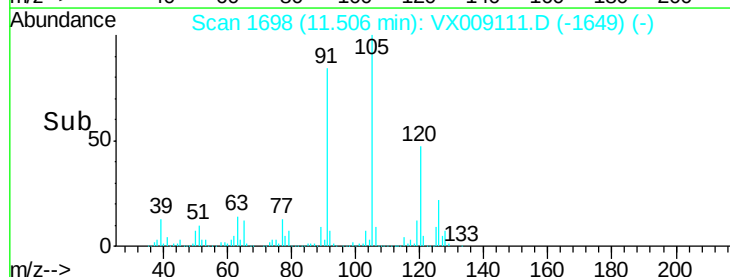
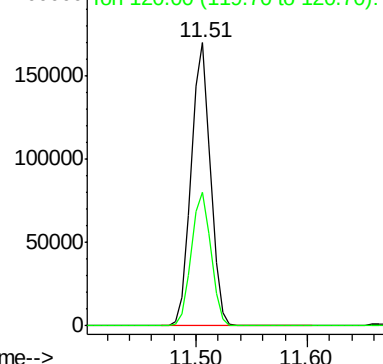
Ion Ratio Lower Upper

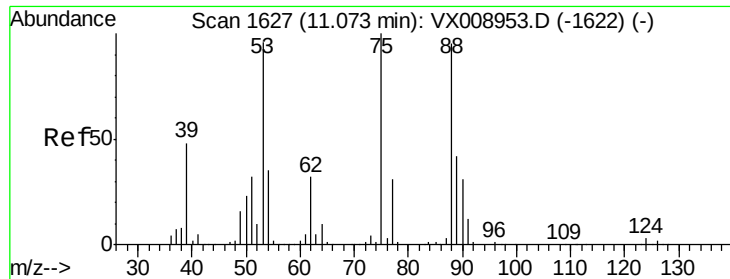
105 100

120 48.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX008953.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.755 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

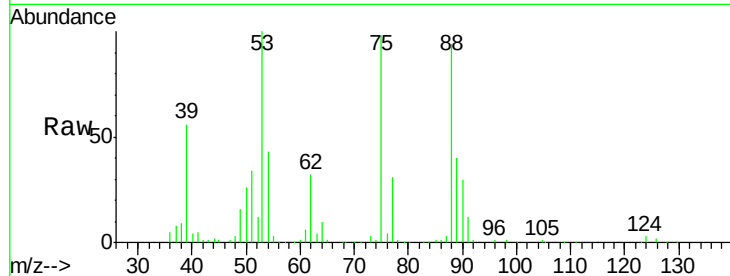
ClientSampleId :

VX0423WBS01

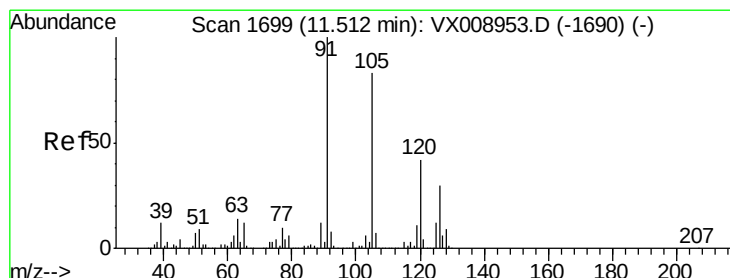
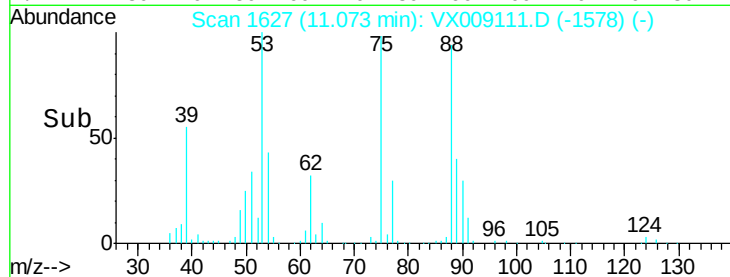
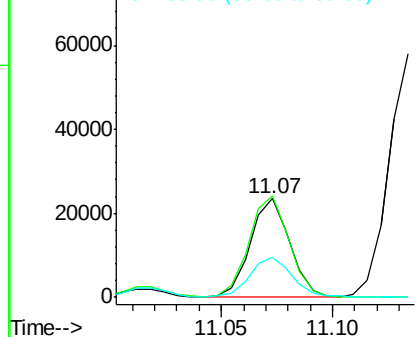
Tot Ion:	75	Resp:	28843
Ion	Ratio	Lower	Upper
75	100		
53	104.8	78.2	117.4
89	43.9	36.0	54.0

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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 22.356 ug/l

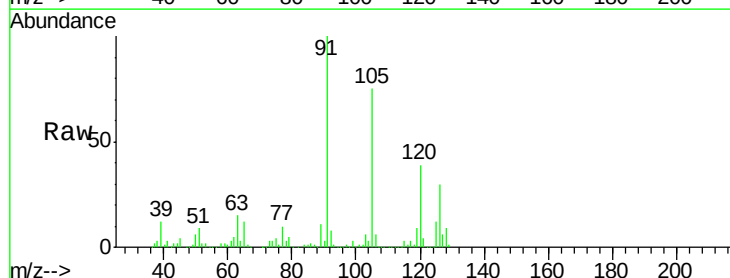
RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

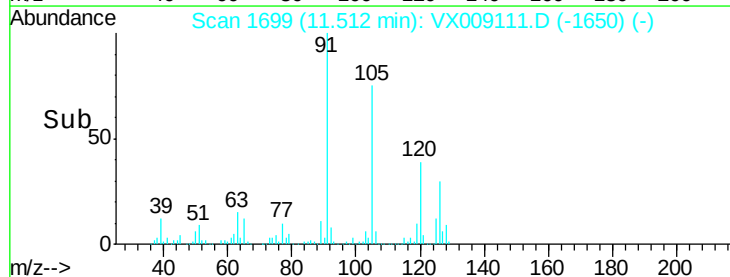
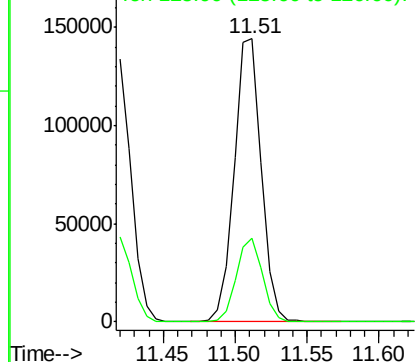
Lab File: VX009111.D

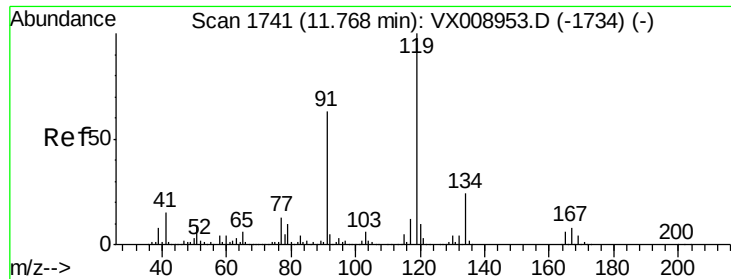
Acq: 23 Apr 2019 11:23

Tgt Ion:	91	Resp:	189739
Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.3	42.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





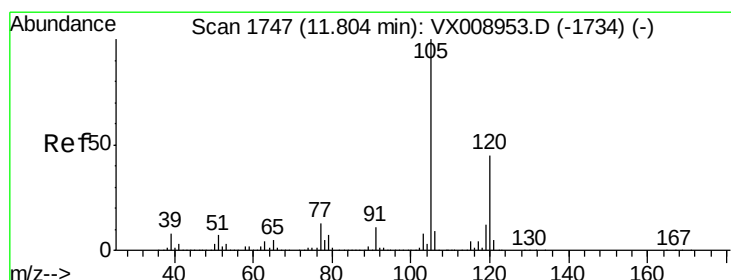
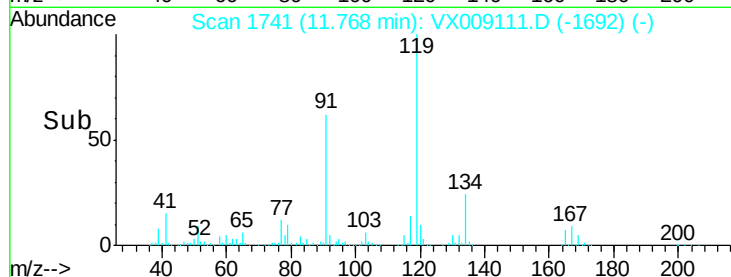
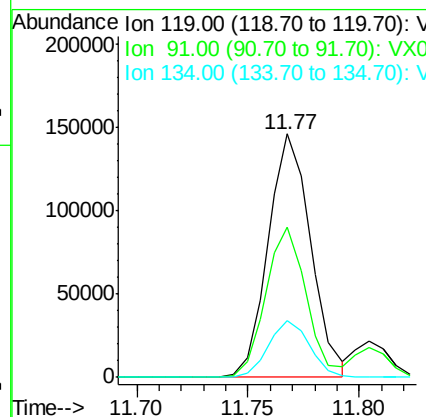
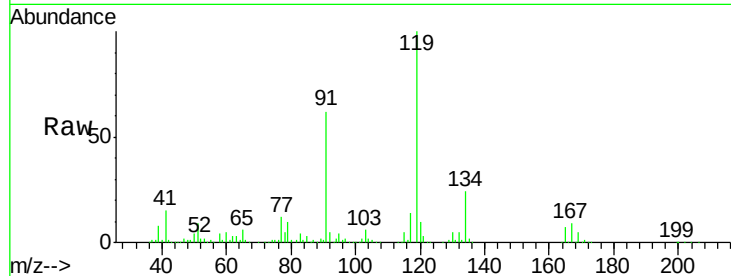
#83
 tert-Butylbenzene
 Concen: 22.776 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009111.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	193888		
91	59.2	29.7	89.1	
134	22.6	11.2	33.5	

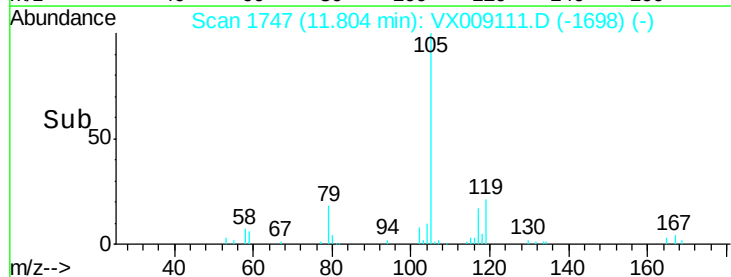
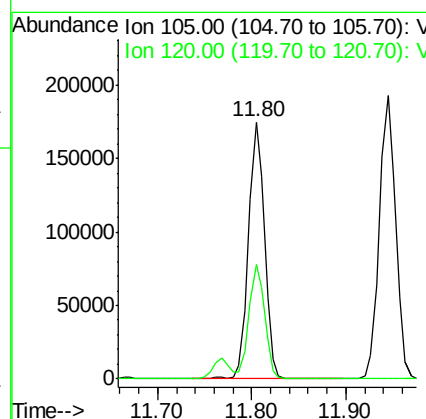
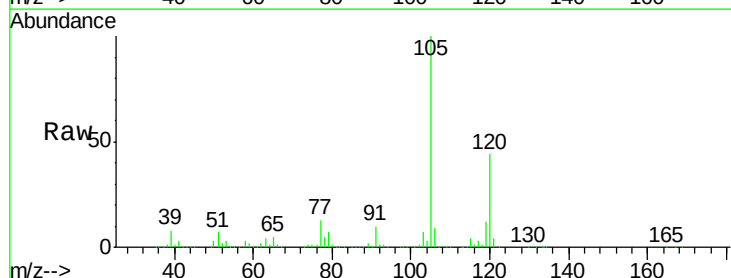
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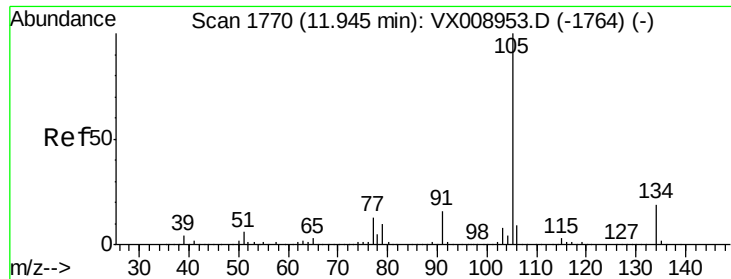
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.996 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009111.D
 Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	207551		
120	43.3	21.9	65.8	





#85

sec-Butylbenzene

Concen: 22.877 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBS01

Tot Ion:105 Resp: 232268

Ion Ratio Lower Upper

105 100

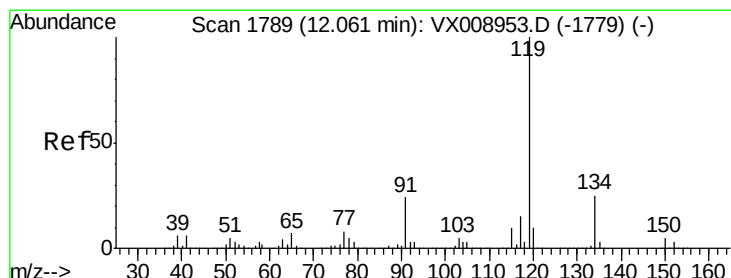
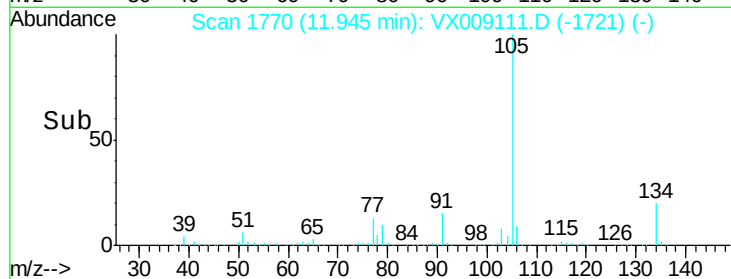
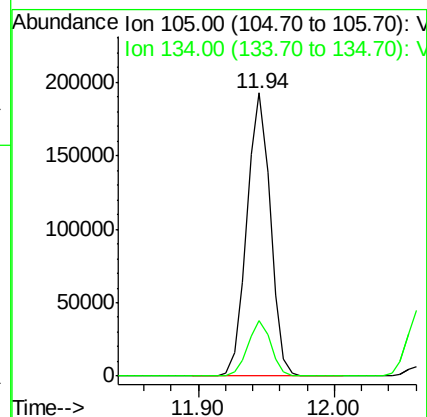
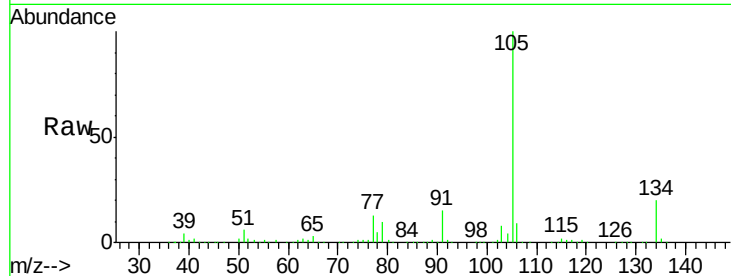
134 19.3 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.702 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

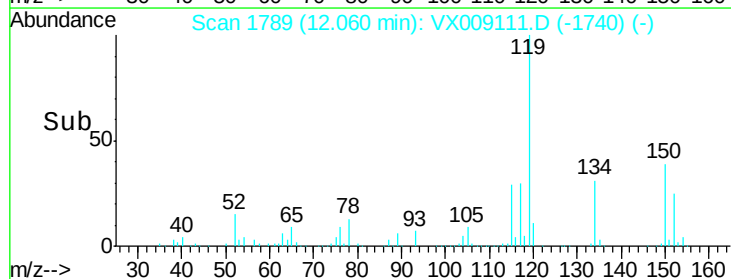
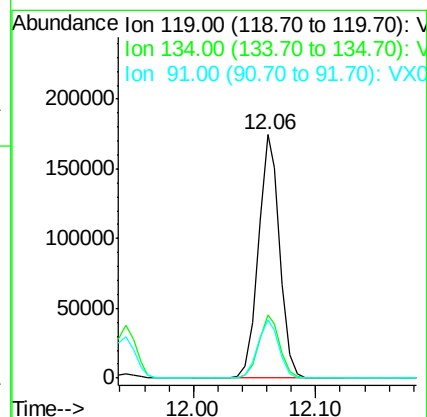
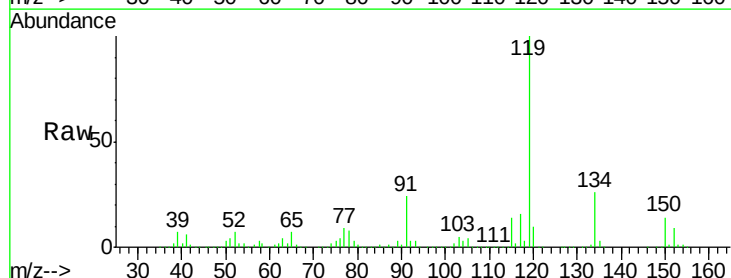
Tgt Ion:119 Resp: 211905

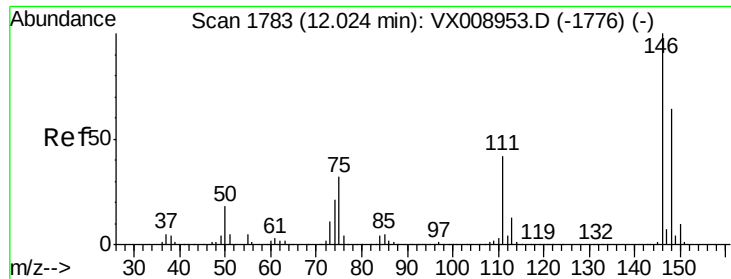
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

91 24.0 11.9 35.5





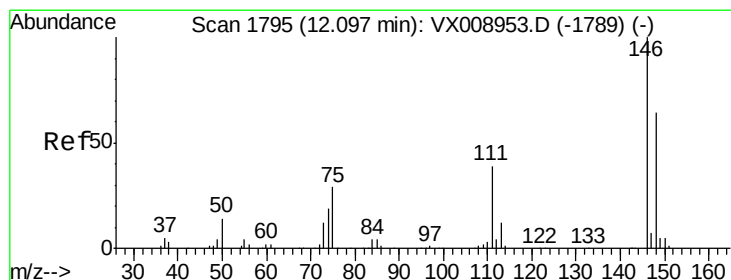
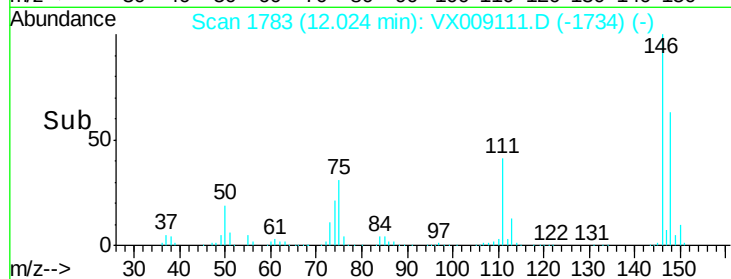
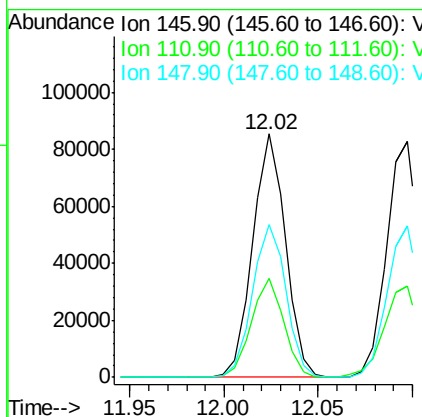
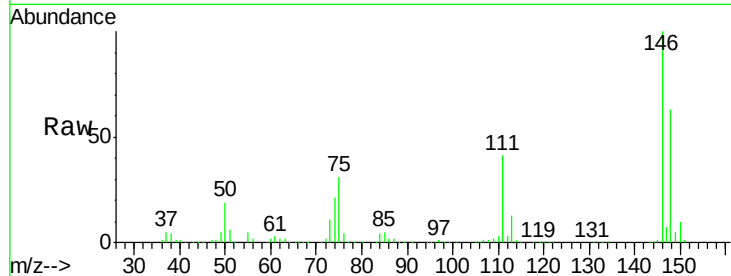
#87
 1,3-Dichlorobenzene
 Concen: 22.115 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009111.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.5	61.6
148	64.1	32.2	96.6

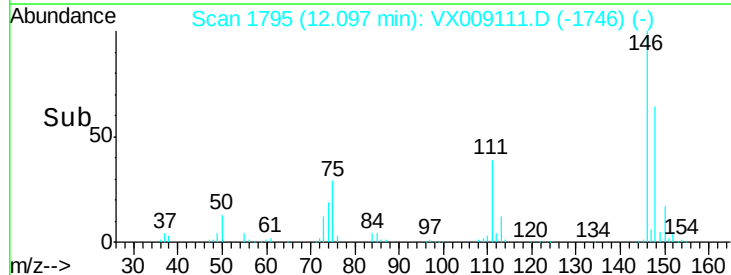
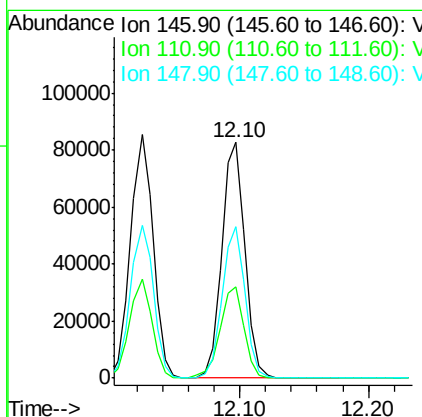
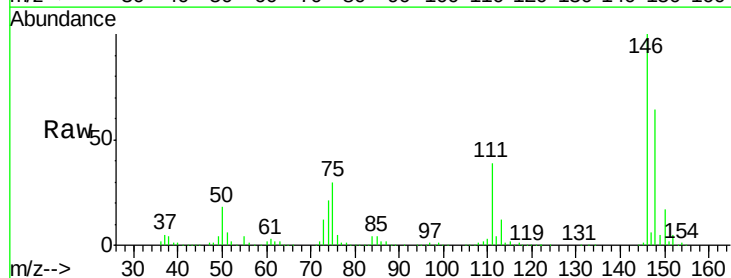
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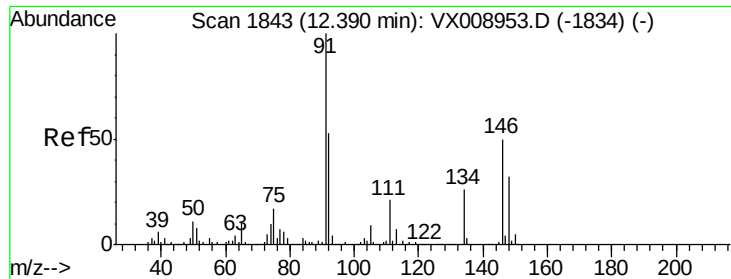
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#88
 1,4-Dichlorobenzene
 Concen: 22.016 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009111.D
 Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	59.9
148	64.2	32.2	96.6





#89

n-Butylbenzene

Concen: 22.323 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

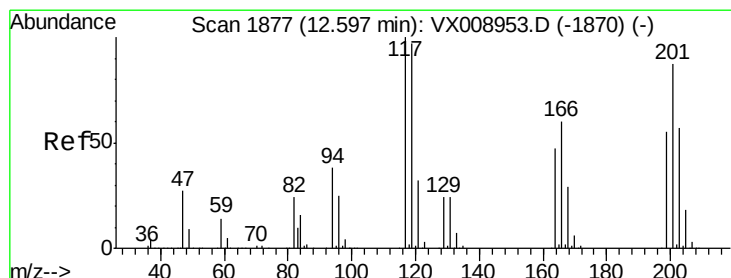
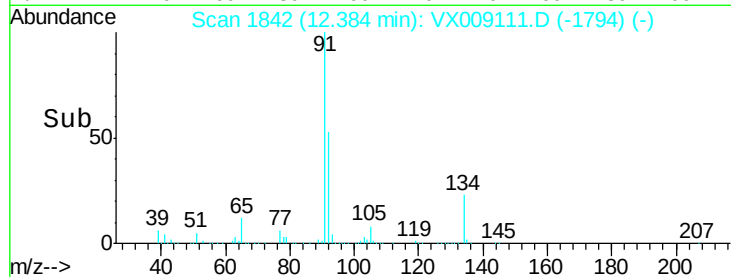
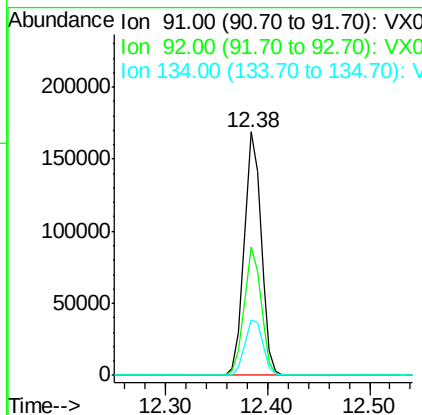
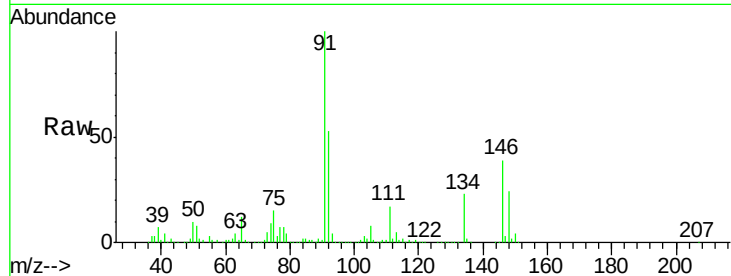
ClientSampleId :

VX0423WBS01

Tot Ion:	91	Resp:	194051
Ion Ratio	Lower	Upper	
91	100		
92	52.7	26.6	79.8
134	24.4	12.4	37.2

Manual Integrations
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#90

Hexachloroethane

Concen: 22.327 ug/l

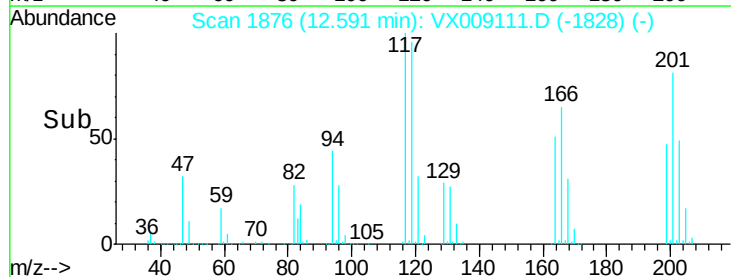
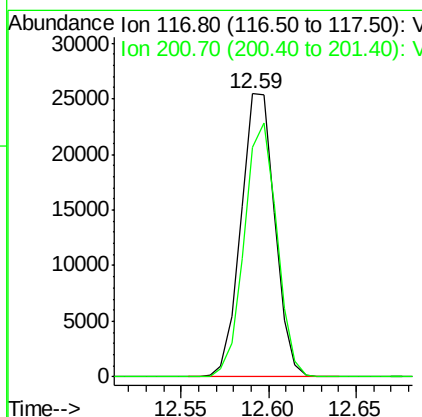
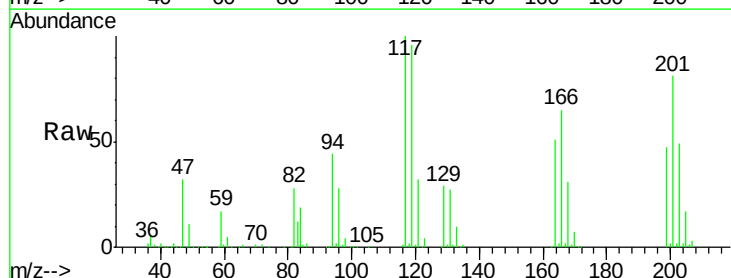
RT: 12.59 min Scan# 1876

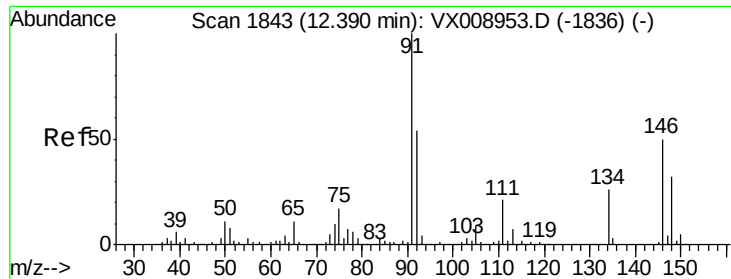
Delta R.T. -0.01 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Tgt Ion:	117	Resp:	34378
Ion Ratio	Lower	Upper	
117	100		
201	86.5	43.0	129.0





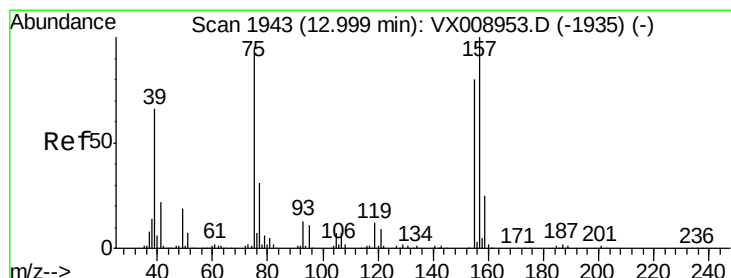
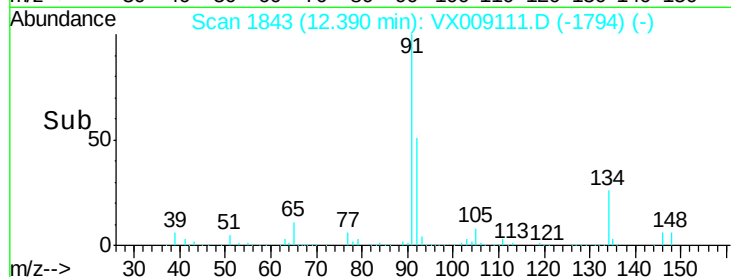
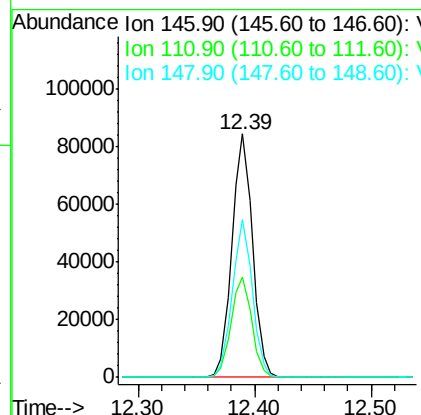
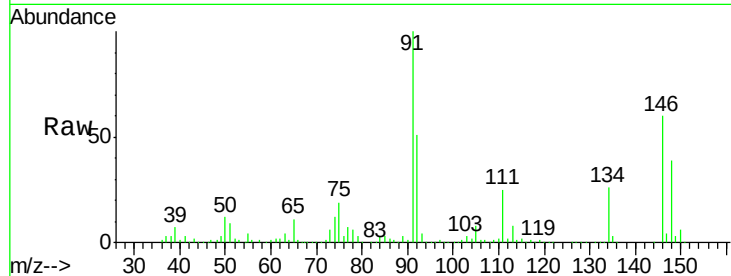
#91
 1,2-Dichlorobenzene
 Concen: 22.450 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009111.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.6	61.9
148	63.4	32.0	96.2

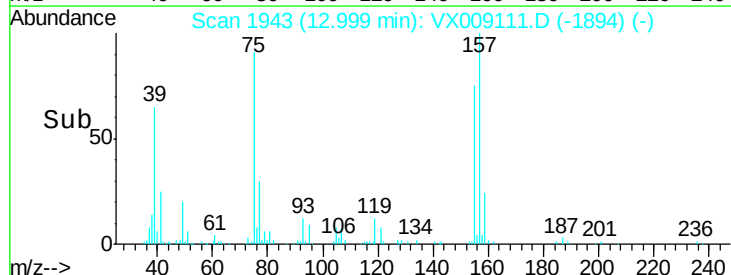
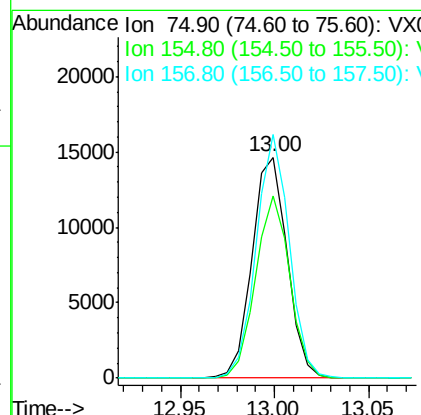
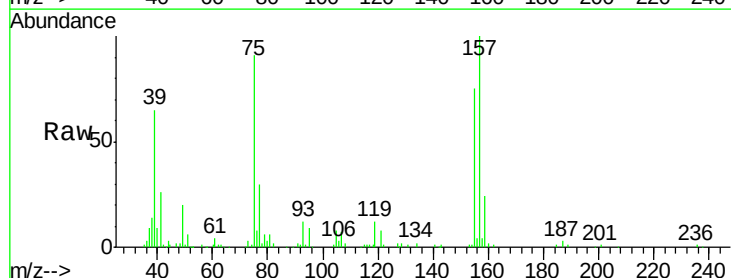
Manual Integrations
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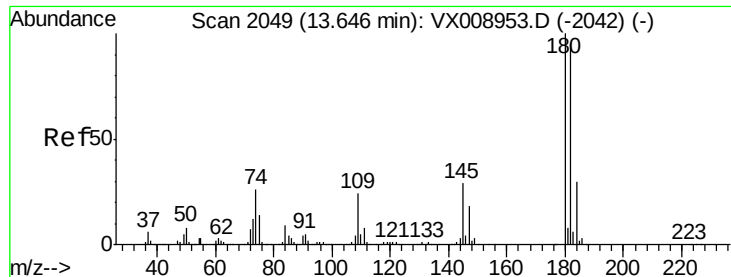
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 4/24/2019 12:02:47 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.482 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009111.D
 Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.5	41.2	123.6
157	104.0	52.5	157.6





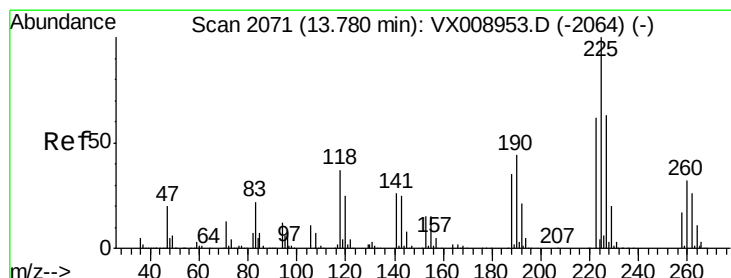
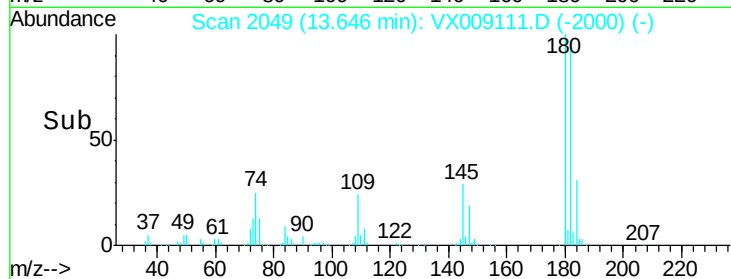
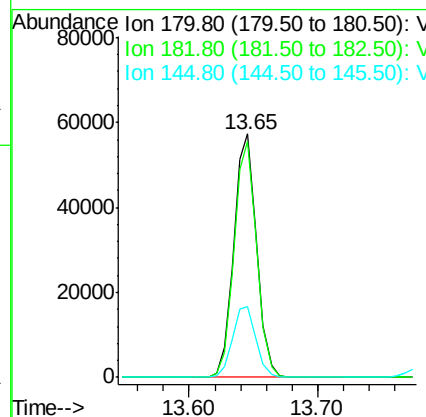
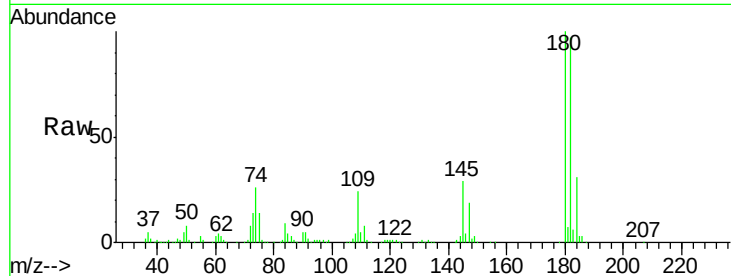
#93
 1,2,4-Trichlorobenzene
 Concen: 21.381 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009111.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	71112		
182	95.8	47.6	142.9	
145	29.9	14.8	44.4	

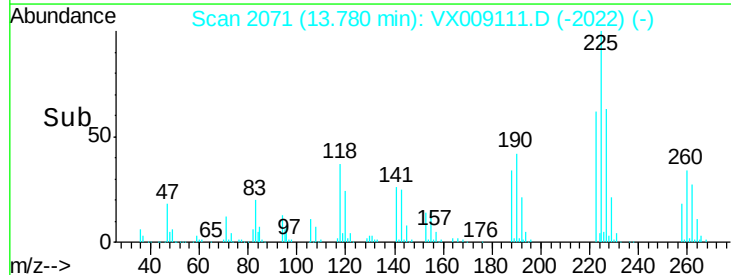
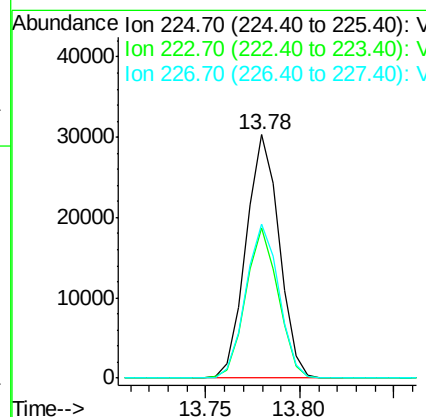
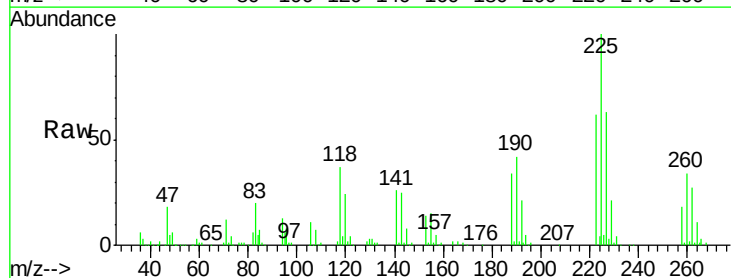
Manual Integrations
 APPROVED

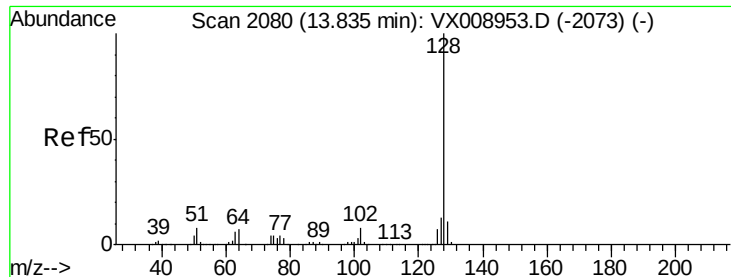
MMDadoda
 4/24/2019 12:02:47 PM



#94
 Hexachlorobutadiene
 Concen: 22.340 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009111.D
 Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	37058		
223	60.0	31.1	93.2	
227	63.3	32.0	96.2	





#95

Naphthalene

Concen: 21.637 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_X

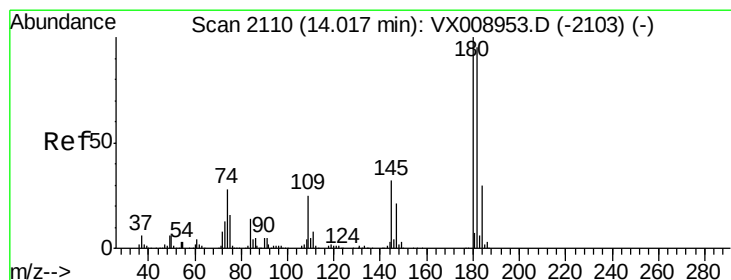
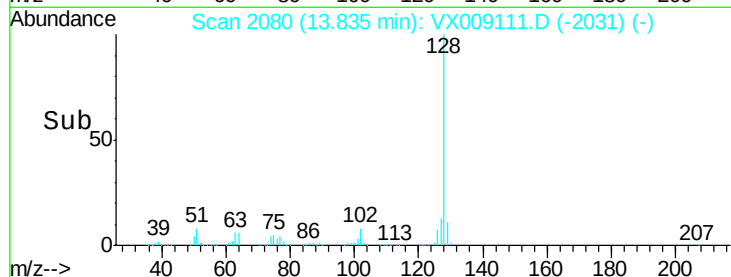
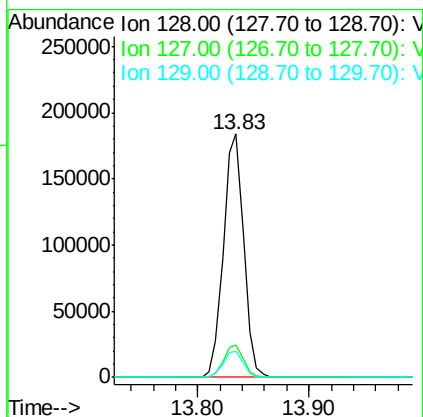
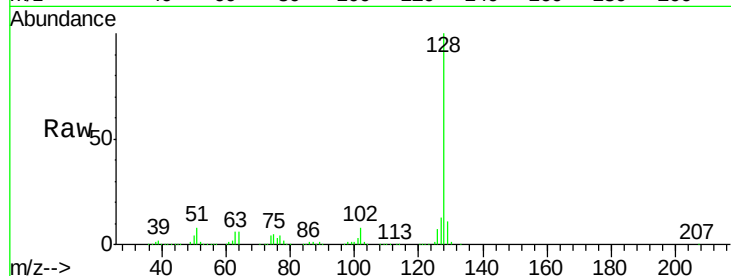
ClientSampleId :

VX0423WBS01

Tot Ion:	128	Resp:	230555
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:02:47 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.643 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009111.D

Acq: 23 Apr 2019 11:23

Tgt Ion:	180	Resp:	71023
Ion Ratio		Lower	Upper
180	100		
182	95.0	47.8	143.4
145	31.1	15.8	47.3

