

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030619\
 Data File : VX007867.D
 Acq On : 06 Mar 2019 18:27
 Operator : JC/SP
 Sample : VX0306WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 10:35:39 AM

Quant Time: Mar 07 08:43:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	298203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	437778	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	383355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	189527	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	160045	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	5.50	113	140093	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	8.71	98	522848	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	11.13	95	182824	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	50677	19.891 ug/l	100
3) Chloromethane	1.33	50	63914	19.467 ug/l	99
4) Vinyl Chloride	1.41	62	64770	19.854 ug/l	99
5) Bromomethane	1.64	94	31863	20.139 ug/l	100
6) Chloroethane	1.73	64	40860	18.854 ug/l	99
7) Trichlorofluoromethane	1.93	101	83477	19.654 ug/l	98
8) Diethyl Ether	2.19	74	37055	20.147 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	51297	19.489 ug/l	99
10) Methyl Iodide	2.51	142	77055	20.636 ug/l	100
11) Tert butyl alcohol	3.07	59	72901	103.627 ug/l	99
12) 1,1-Dichloroethene	2.38	96	50141	19.763 ug/l	98
13) Acrolein	2.30	56	31523	80.234 ug/l	98
14) Allyl chloride	2.73	41	104655	19.630 ug/l	99
15) Acrylonitrile	3.15	53	177145	99.761 ug/l	100
16) Acetone	2.45	43	152129	83.551 ug/l	100
17) Carbon Disulfide	2.57	76	154485	19.779 ug/l	99
18) Methyl Acetate	2.78	43	79284	20.497 ug/l	100
19) Methyl tert-butyl Ether	3.20	73	176473	20.218 ug/l	99
20) Methylene Chloride	2.86	84	57251	19.757 ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	54322	19.459 ug/l	100
22) Diisopropyl ether	3.87	45	199526	20.416 ug/l	100
23) Vinyl Acetate	3.82	43	871344	101.673 ug/l	100
24) 1,1-Dichloroethane	3.70	63	104780	19.923 ug/l	99
25) 2-Butanone	4.70	43	249173	96.663 ug/l	98
26) 2,2-Dichloropropane	4.59	77	63038	18.092 ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	63028	19.730 ug/l	99
28) Bromochloromethane	5.02	49	49371	20.136 ug/l	100
29) Tetrahydrofuran	5.15	42	164621	102.381 ug/l	100
30) Chloroform	5.21	83	100194	20.140 ug/l	99
31) Cyclohexane	5.58	56	96523	19.969 ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	81443	19.731 ug/l	99
36) 1,1-Dichloropropene	5.80	75	75416	19.025 ug/l	99
37) Ethyl Acetate	4.85	43	91968	19.551 ug/l	99
38) Carbon Tetrachloride	5.78	117	72653	19.306 ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	92592	19.277	ug/l	98
40) Benzene	6.14	78	234870	19.903	ug/l	99
41) Methacrylonitrile	5.06	41	52063	20.300	ug/l	99
42) 1,2-Dichloroethane	6.20	62	77708	20.135	ug/l	100
43) Isopropyl Acetate	6.46	43	139455	20.031	ug/l	100
44) Trichloroethene	7.21	130	62403	19.188	ug/l	99
45) 1,2-Dichloropropane	7.51	63	62788	20.145	ug/l	100
46) Dibromomethane	7.66	93	39213	19.880	ug/l	99
47) Bromodichloromethane	7.90	83	73831	19.742	ug/l	98
48) Methyl methacrylate	7.77	41	73313	20.030	ug/l	98
49) 1,4-Dioxane	7.75	88	30374	403.966	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	465245	103.915	ug/l	100
52) Toluene	8.78	92	143690	19.944	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	74538	19.096	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	85882	19.484	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	58772	20.151	ug/l	99
56) Ethyl methacrylate	9.18	69	89522	20.443	ug/l	99
57) 1,3-Dichloropropane	9.37	76	98644	20.143	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	271577	119.890	ug/l	99
59) 2-Hexanone	9.49	43	349506	100.549	ug/l	99
60) Dibromochloromethane	9.58	129	60308	19.783	ug/l	98
61) 1,2-Dibromoethane	9.67	107	62542	20.197	ug/l	99
64) Tetrachloroethene	9.34	164	59874	18.847	ug/l	99
65) Chlorobenzene	10.14	112	157360	19.616	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	56732	19.732	ug/l	100
67) Ethyl Benzene	10.25	91	263205	19.932	ug/l	99
68) m/p-Xylenes	10.36	106	201816	39.650	ug/l	99
69) o-Xylene	10.70	106	99090	20.165	ug/l	99
70) Styrene	10.71	104	161759	20.116	ug/l	99
71) Bromoform	10.86	173	46737	18.929	ug/l #	99
73) Isopropylbenzene	11.02	105	261772	20.422	ug/l	100
74) N-amyl acetate	10.90	43	118434	20.239	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	89734	20.295	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	73492m	18.479	ug/l	
77) Bromobenzene	11.26	156	70084	19.943	ug/l	99
78) n-propylbenzene	11.36	91	290401	20.422	ug/l	100
79) 2-Chlorotoluene	11.42	91	175251	20.157	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	216774	20.547	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	22918	18.420	ug/l	91
82) 4-Chlorotoluene	11.51	91	198870	19.959	ug/l	100
83) tert-Butylbenzene	11.77	119	216100	20.335	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	222727	20.594	ug/l	100
85) sec-Butylbenzene	11.94	105	256232	20.473	ug/l	99
86) p-Isopropyltoluene	12.06	119	230285	20.545	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	121585	19.556	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	121572	19.094	ug/l	99
89) n-Butylbenzene	12.38	91	188970	19.899	ug/l	99
90) Hexachloroethane	12.60	117	36293	19.366	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	120546	19.517	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17866	19.335	ug/l	98

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Instrument :
MSVOA_X
ClientSampleId :
VX0306WBSD01

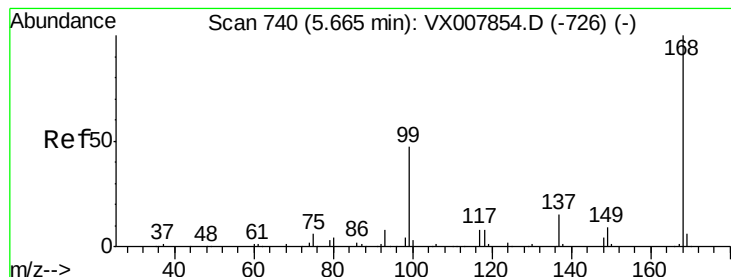
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	82208	18.947	ug/l	99
94) Hexachlorobutadiene	13.78	225	44259	19.511	ug/l	99
95) Naphthalene	13.83	128	246333	19.704	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	84435	19.535	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBSD01

Tot Ion:168 Resp: 298203

Ion Ratio Lower Upper

168 100

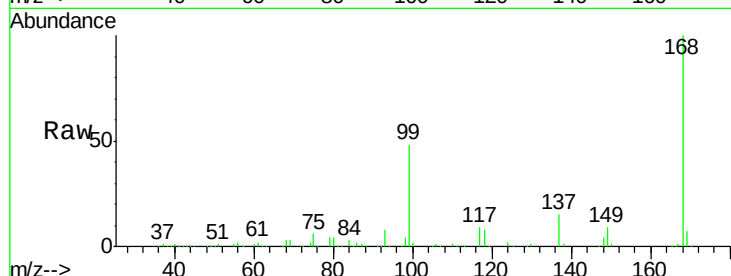
99 47.7 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

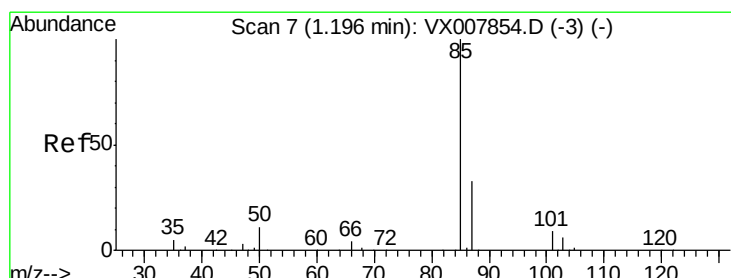
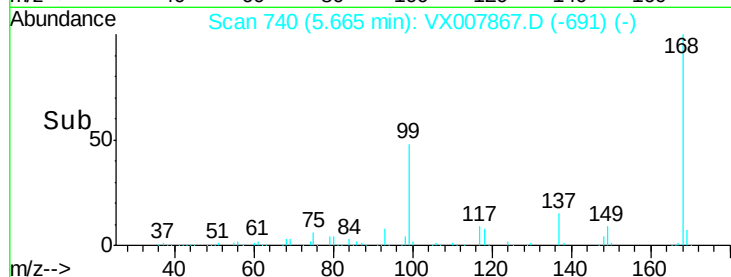
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.891 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007867.D

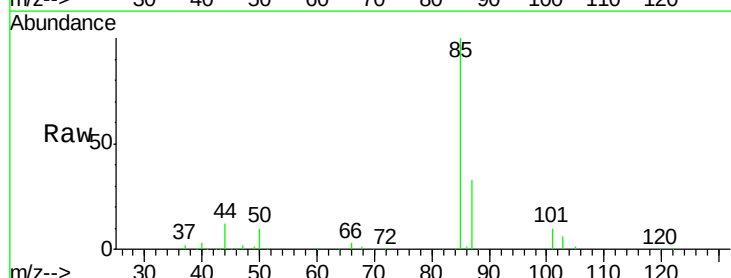
Acq: 06 Mar 2019 18:27

Tgt Ion: 85 Resp: 50677

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

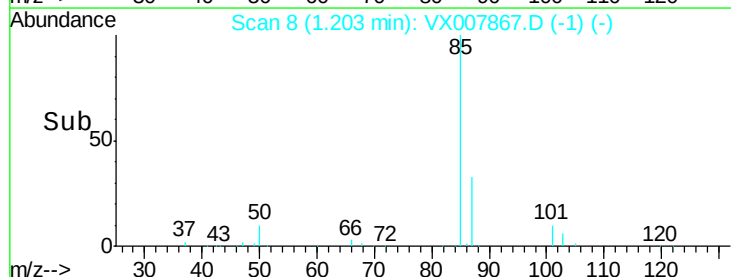
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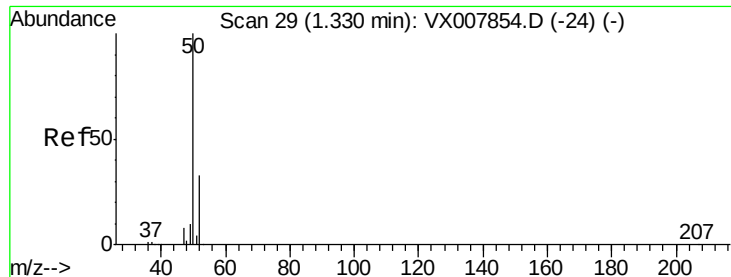
20000

10000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 19.467 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

ClientSampled :

VX0306WBSD01

Tot Ion: 50 Resp: 63914

Ion Ratio Lower Upper

50 100

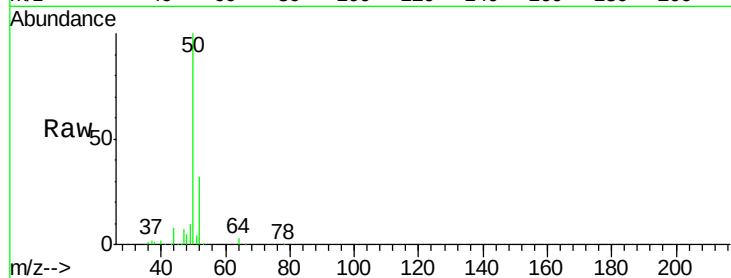
52 32.4 26.5 39.7

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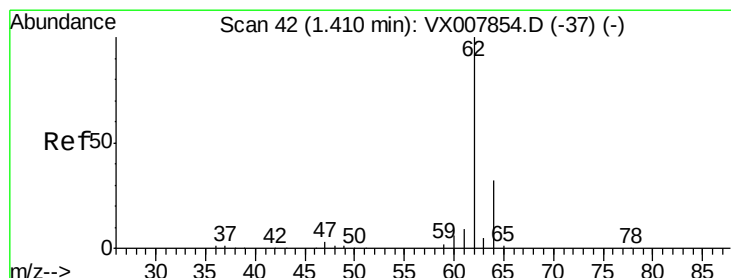
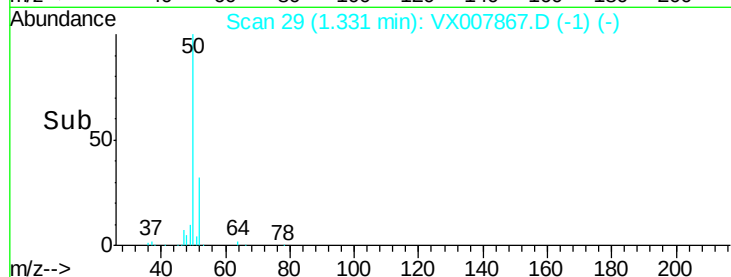
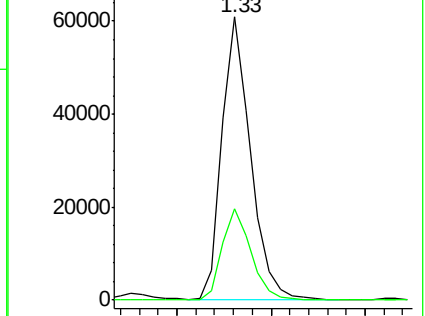
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.854 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007867.D

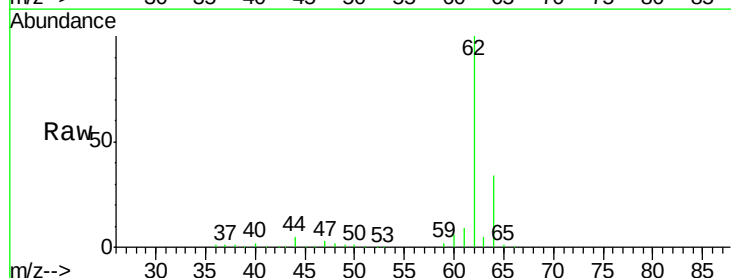
Acq: 06 Mar 2019 18:27

Tgt Ion: 62 Resp: 64770

Ion Ratio Lower Upper

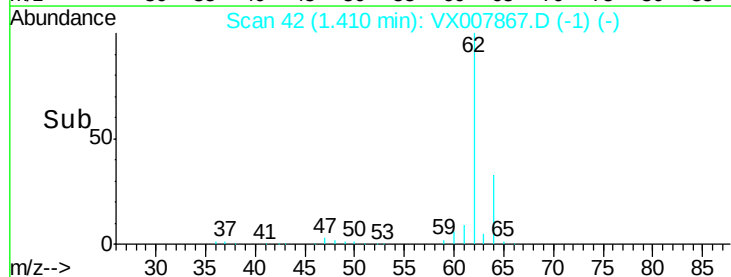
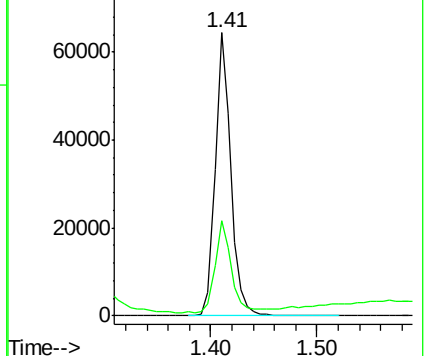
62 100

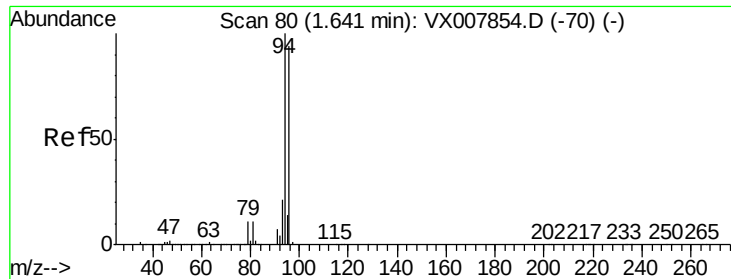
64 32.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.139 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBSD01

Tot Ion: 94 Resp: 31863

Ion Ratio Lower Upper

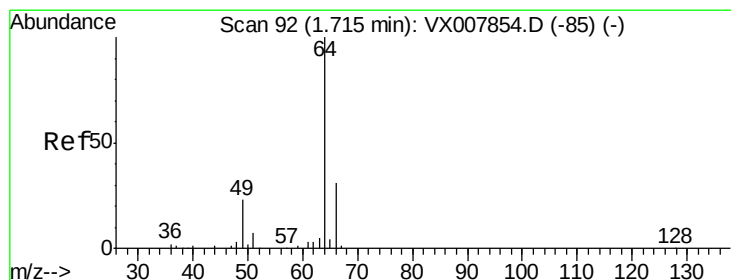
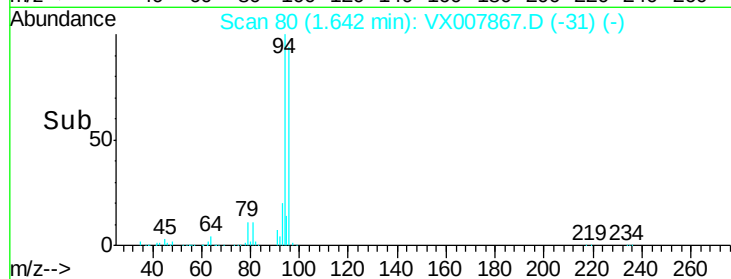
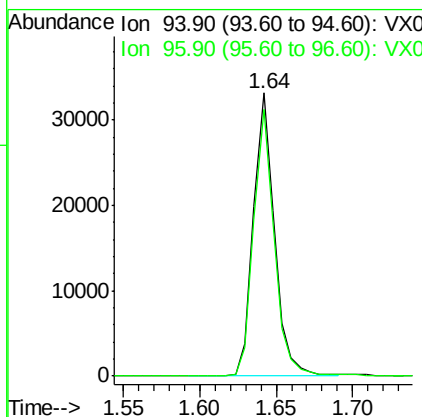
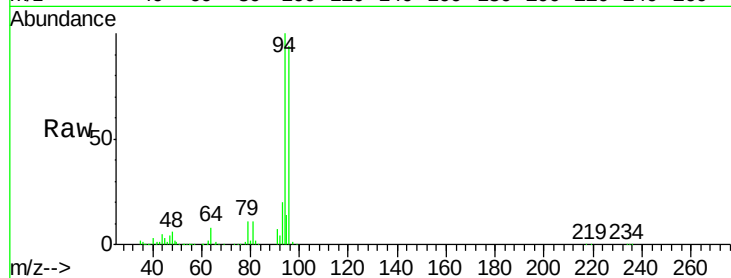
94 100

96 94.0 75.5 113.3

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#6

Chloroethane

Concen: 18.854 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007867.D

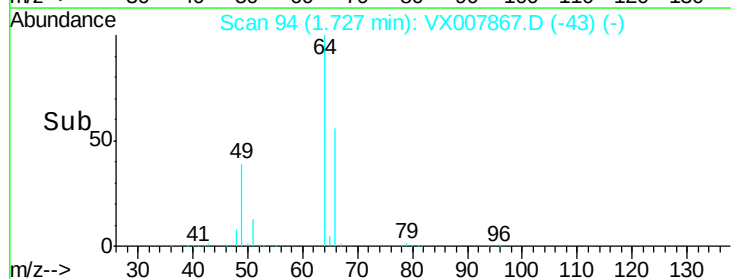
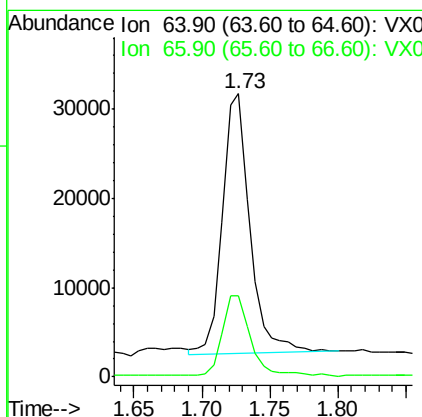
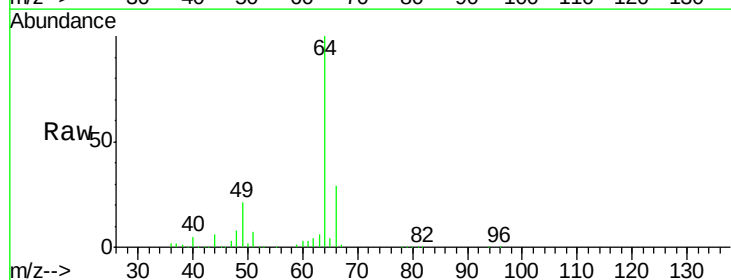
Acq: 06 Mar 2019 18:27

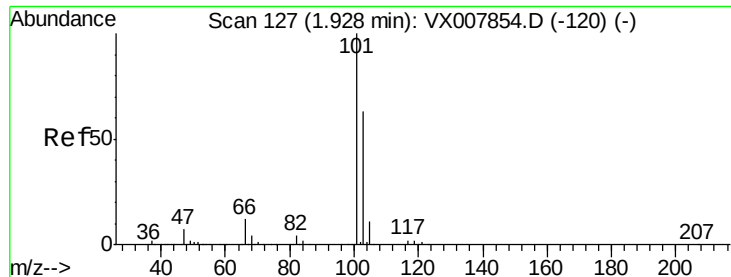
Tgt Ion: 64 Resp: 40860

Ion Ratio Lower Upper

64 100

66 31.1 25.2 37.8





#7

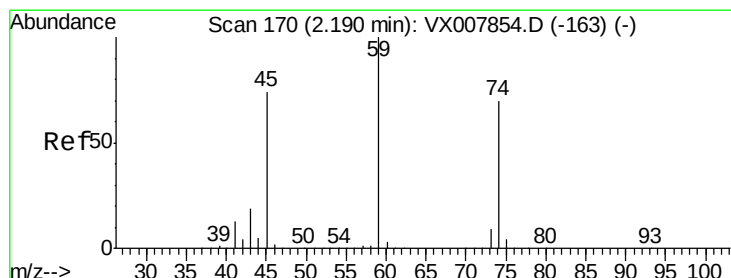
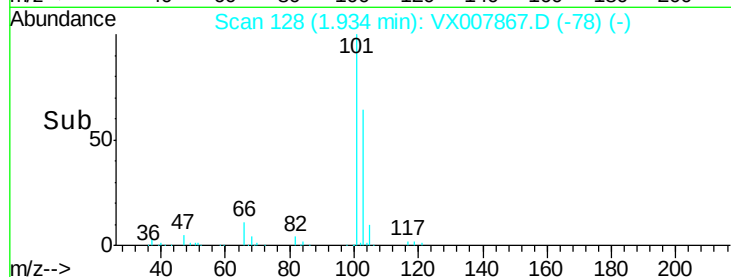
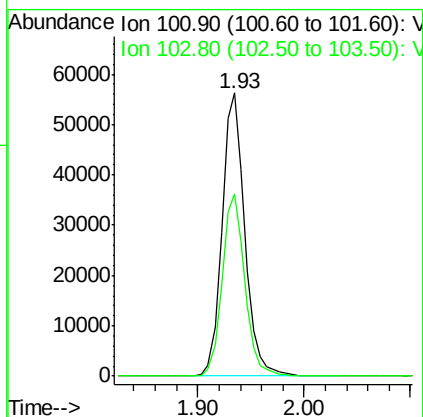
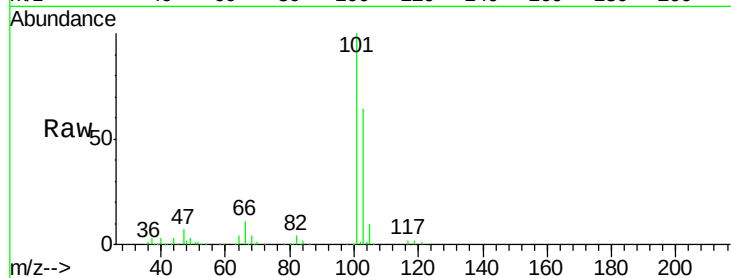
Trichlorofluoromethane
Concen: 19.654 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.4	75.6

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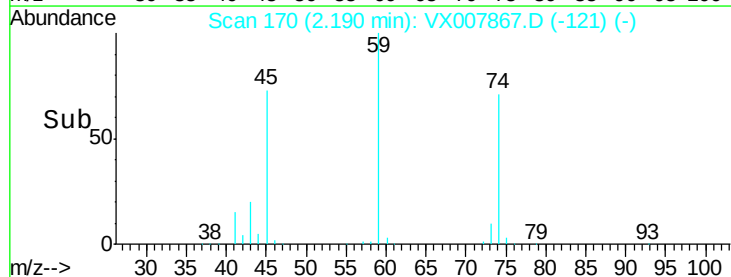
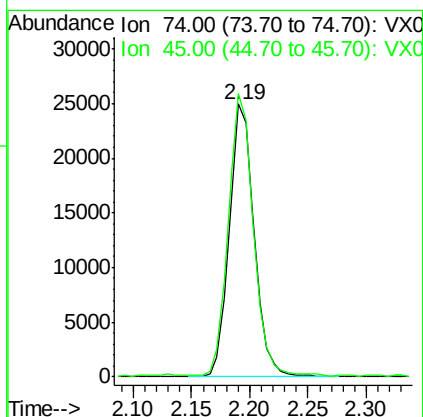
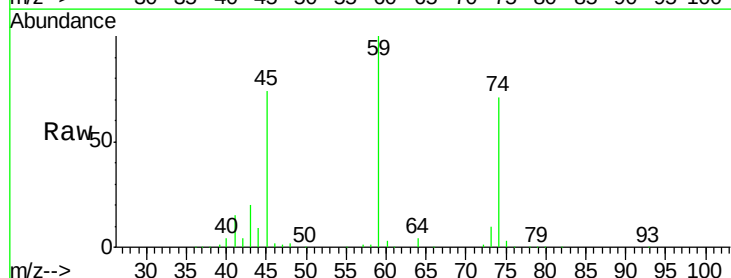
MMDadoda
3/7/2019 10:35:39 AM

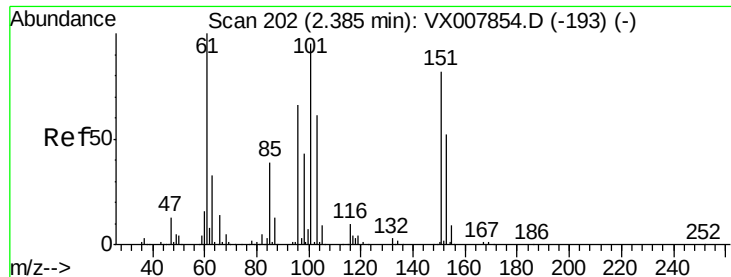


#8

Diethyl Ether
Concen: 20.147 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.4	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.489 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

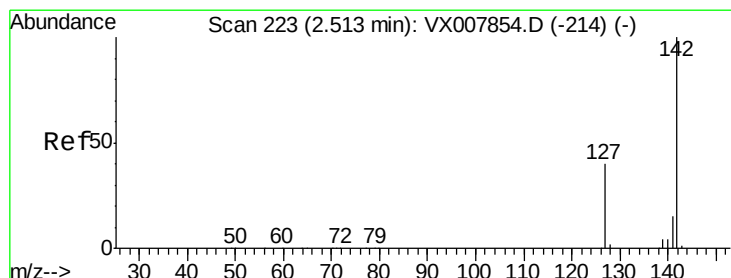
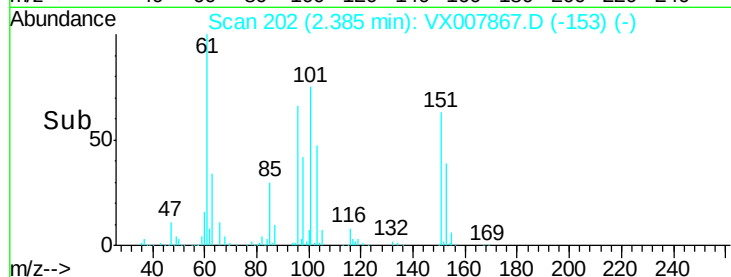
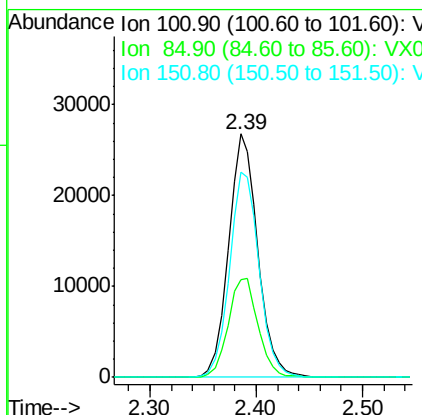
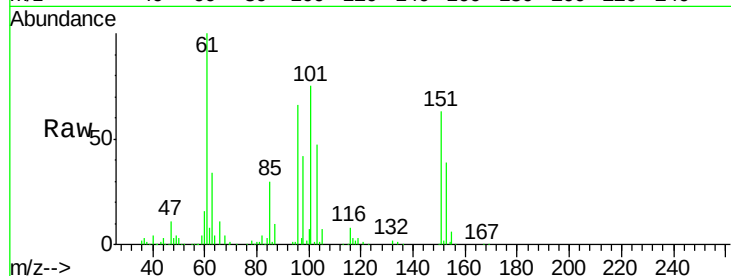
ClientSampled :

VX0306WBSD01

Tot Ion:	101	Resp:	51297
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.8	50.6
151	85.5	69.1	103.7

Manual Integrations
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3/7/2019 10:35:39 AM



#10

Methyl Iodide

Concen: 20.636 ug/l

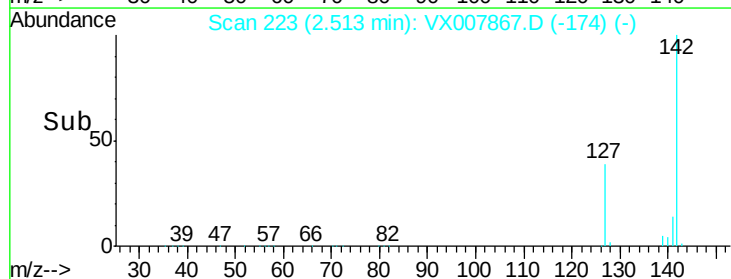
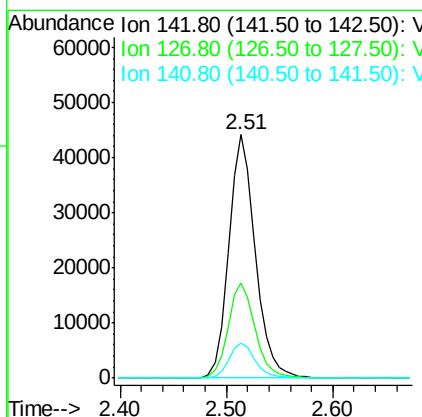
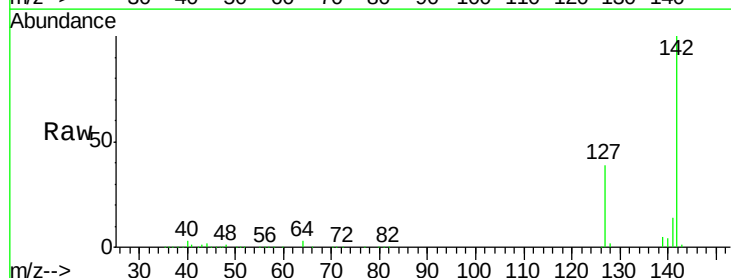
RT: 2.51 min Scan# 223

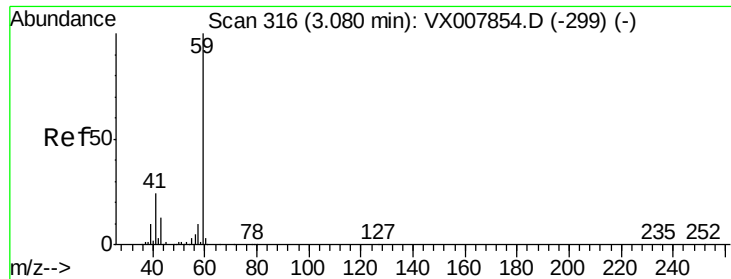
Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Tgt Ion:	142	Resp:	77055
Ion Ratio	Lower	Upper	
142	100		
127	39.8	32.1	48.1
141	14.3	11.4	17.2





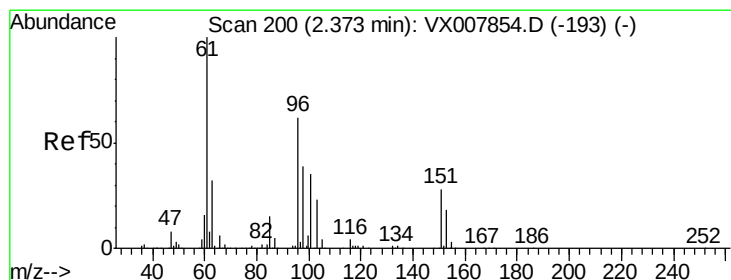
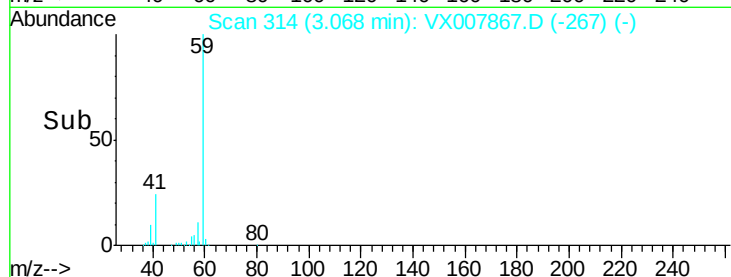
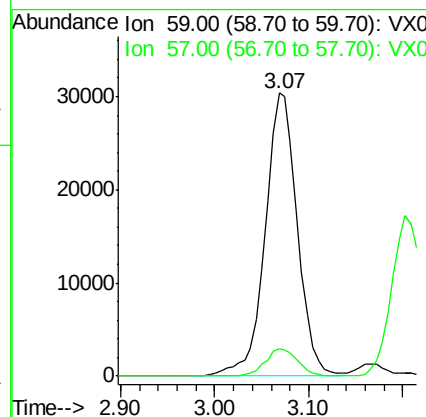
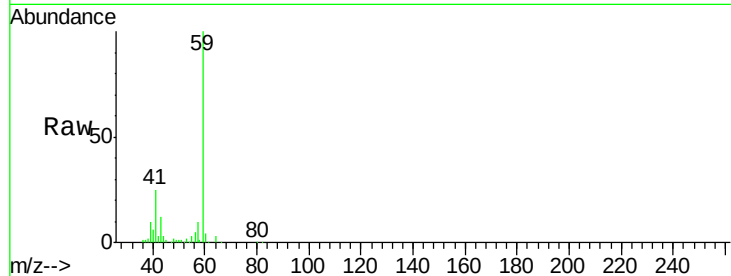
#11
Tert butyl alcohol
Concen: 103.627 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Instrument :
MSVOA_X
ClientSampled :
VX0306WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

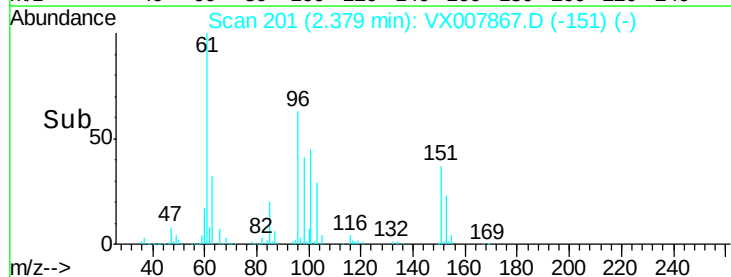
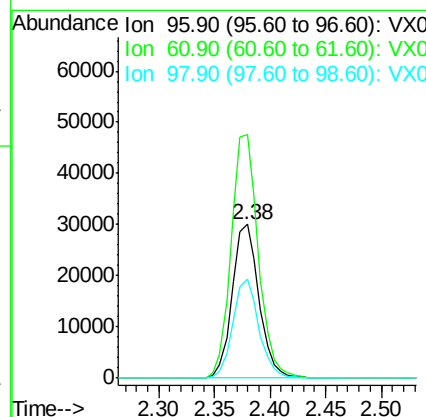
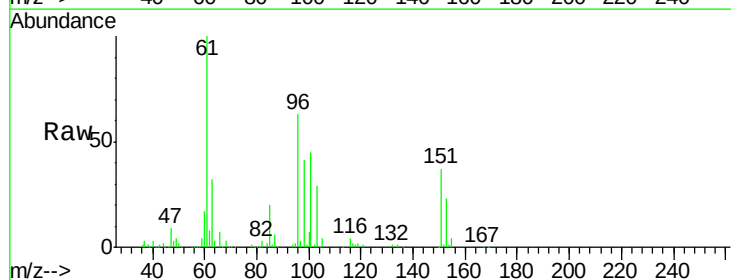
Manual Integrations
APPROVED

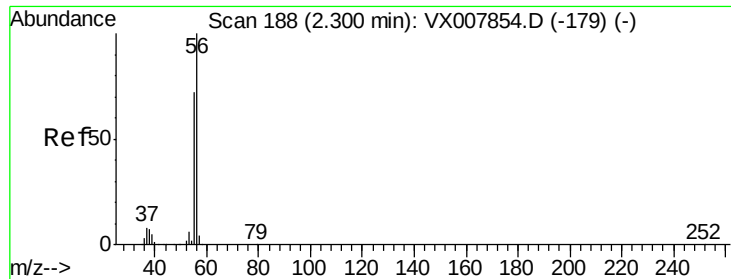
MMDadoda
3/7/2019 10:35:39 AM



#12
1,1-Dichloroethene
Concen: 19.763 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.4	129.8	194.6
98	64.6	51.0	76.6





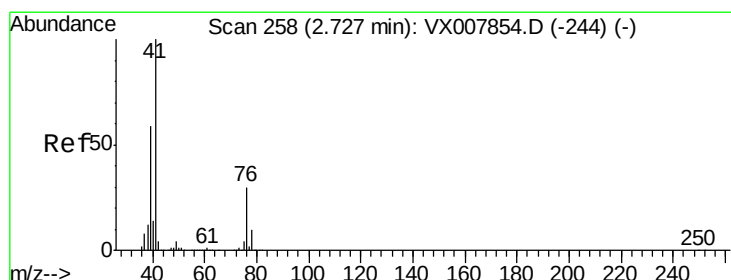
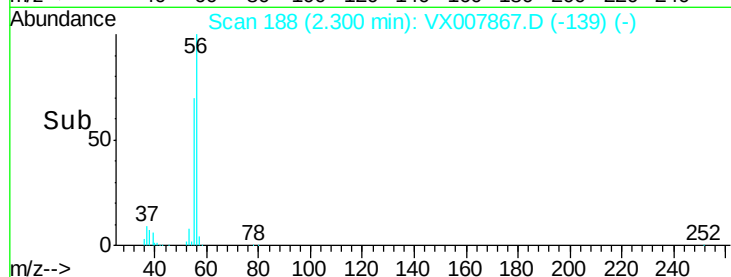
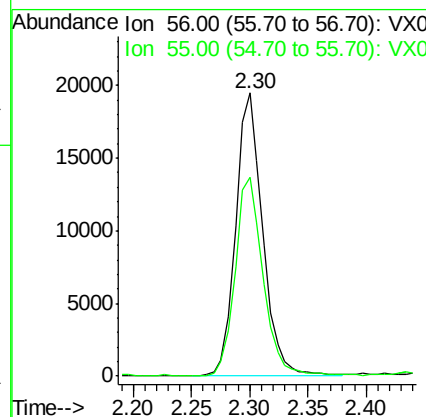
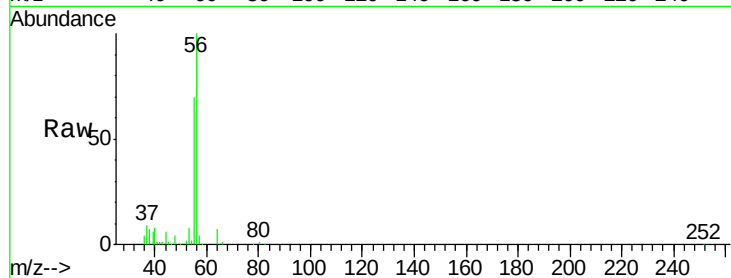
#13
 Acrolein
 Concen: 80.234 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VX007867.D
 Acq: 06 Mar 2019 18:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.6	57.8	86.6

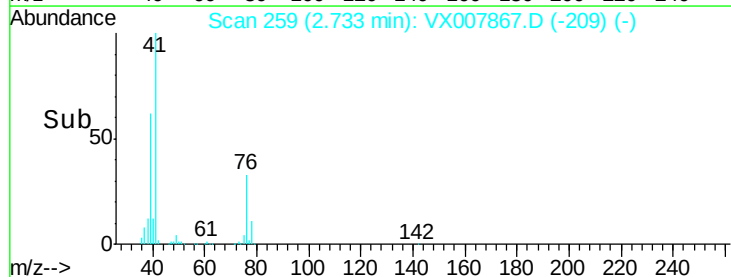
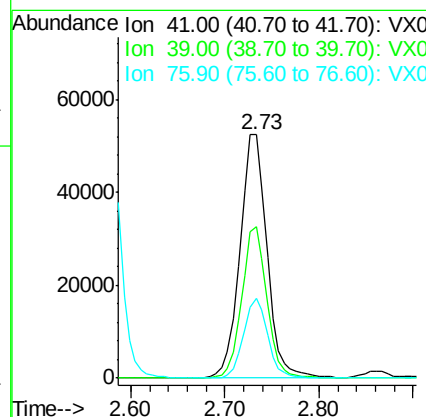
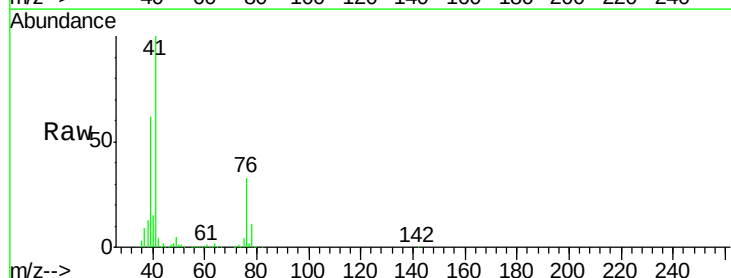
Manual Integrations
 APPROVED

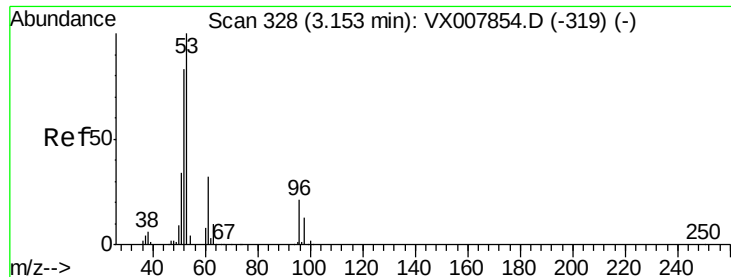
MMDadoda
 3/7/2019 10:35:39 AM



#14
 Allyl chloride
 Concen: 19.630 ug/l
 RT: 2.73 min Scan# 259
 Delta R.T. 0.01 min
 Lab File: VX007867.D
 Acq: 06 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.4	46.1	69.1
76	29.5	24.0	36.0





#15

Acrylonitrile

Concen: 99.761 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

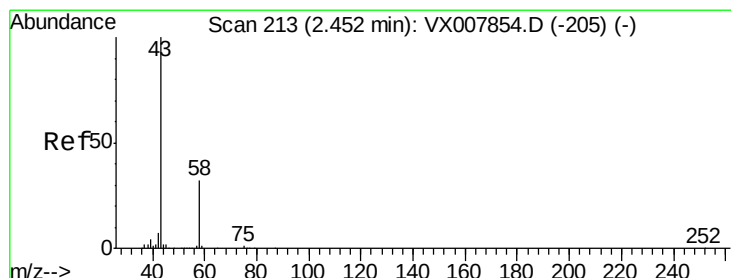
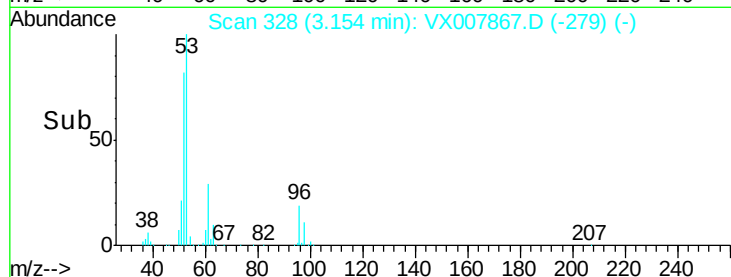
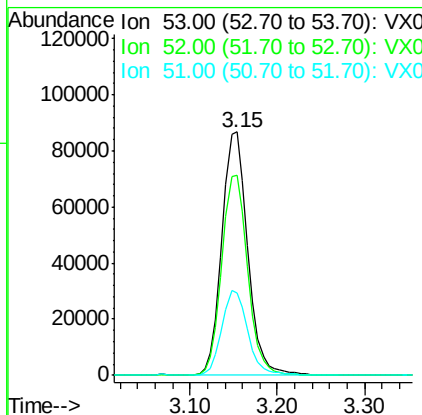
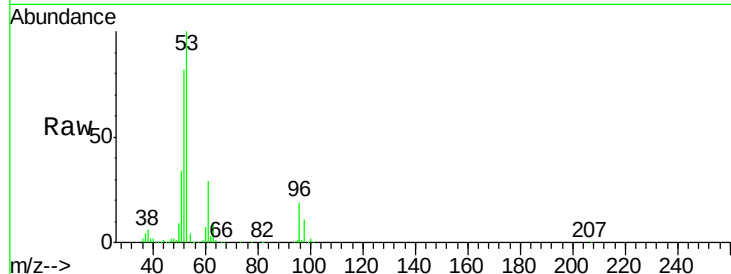
ClientSampleId :

VX0306WBSD01

Tot Ion:	53	Resp:	177145
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.0	99.0
51	35.3	28.0	42.0

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 83.551 ug/l

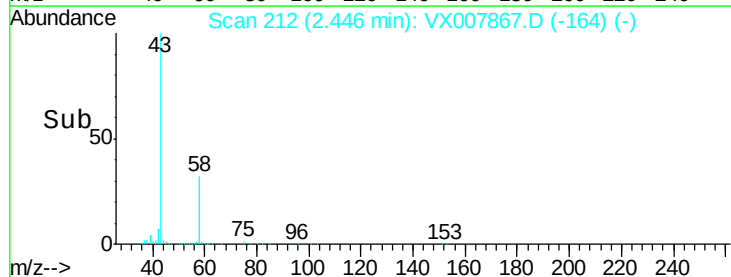
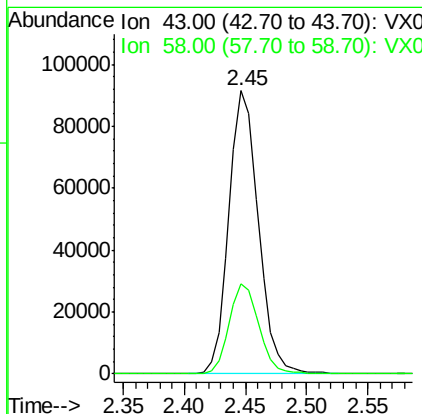
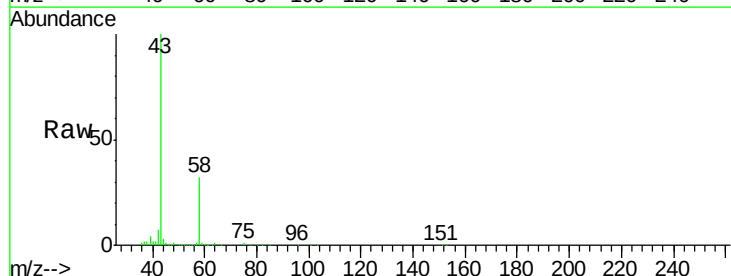
RT: 2.45 min Scan# 212

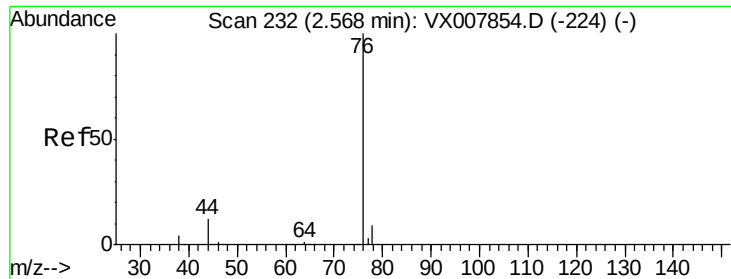
Delta R.T. -0.01 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Tgt Ion:	43	Resp:	152129
Ion Ratio	Lower	Upper	
43	100		
58	31.8	25.5	38.3





#17

Carbon Disulfide

Concen: 19.779 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

ClientSampled :

VX0306WBSD01

Tot Ion: 76 Resp: 154485

Ion Ratio Lower Upper

76 100

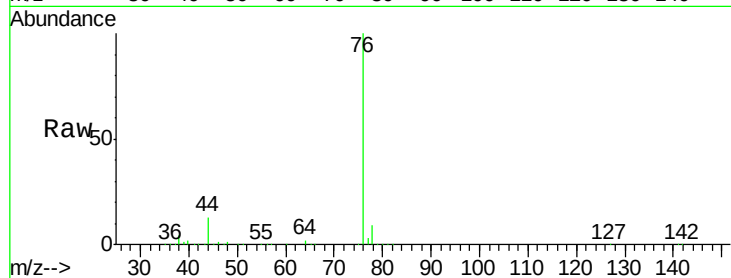
78 9.2 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

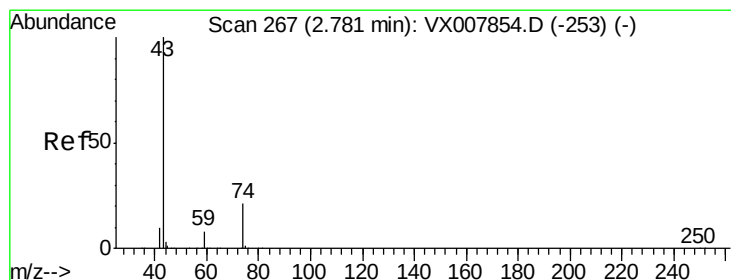
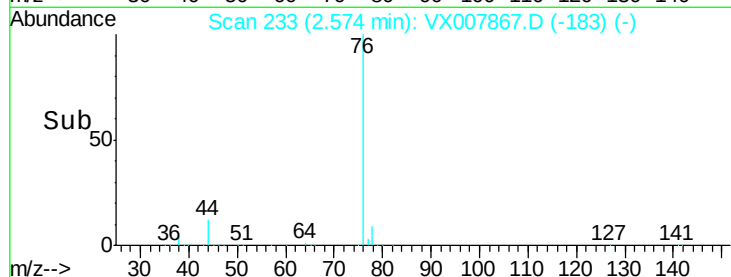
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.497 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007867.D

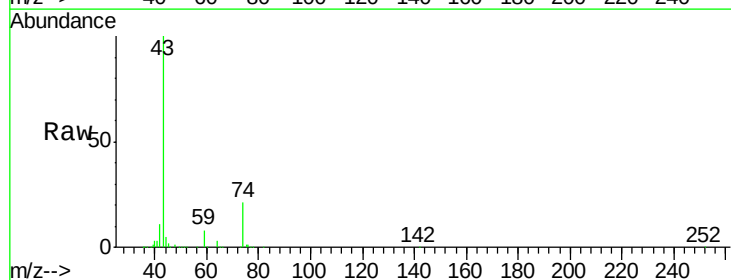
Acq: 06 Mar 2019 18:27

Tgt Ion: 43 Resp: 79284

Ion Ratio Lower Upper

43 100

74 22.3 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

50000

40000

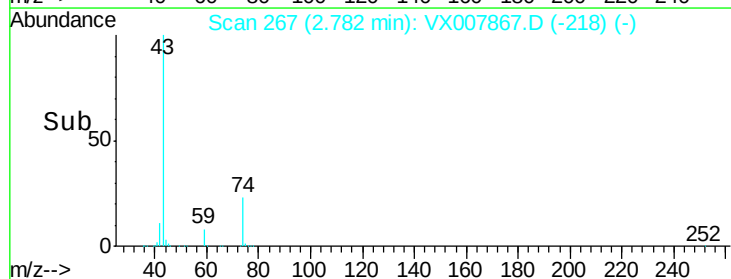
30000

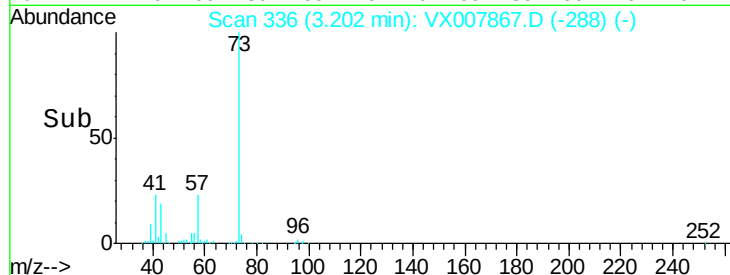
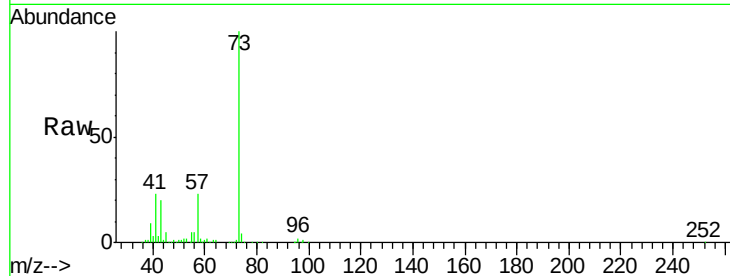
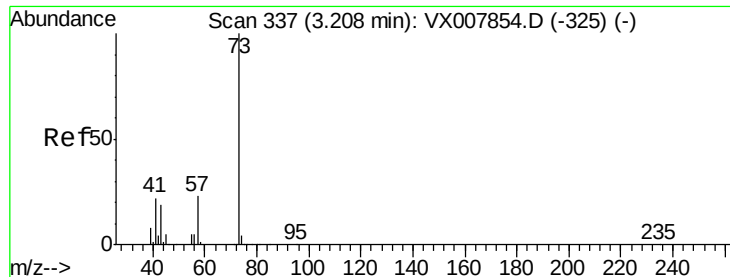
20000

10000

0

Time-->





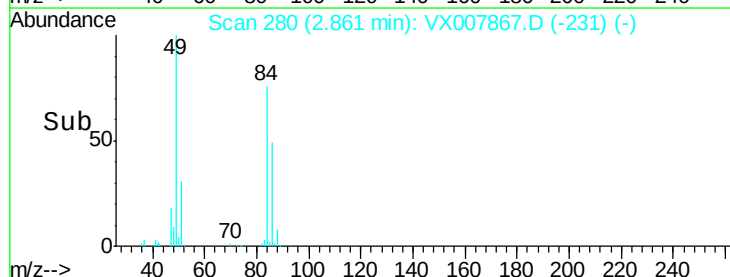
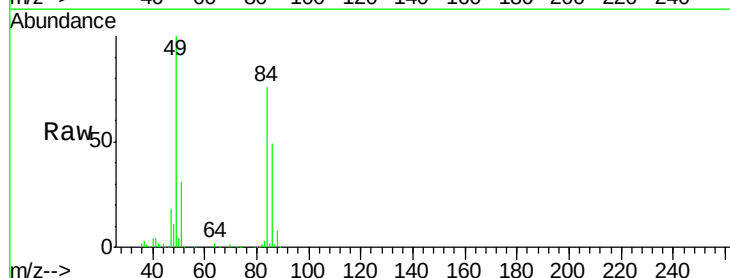
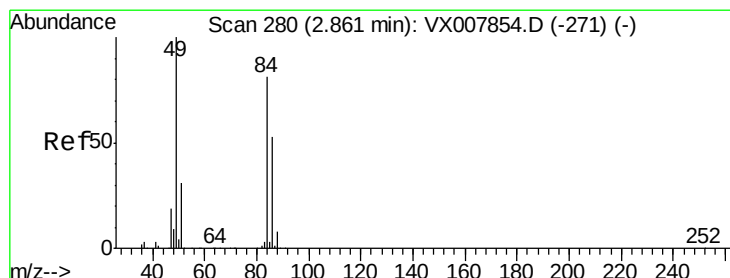
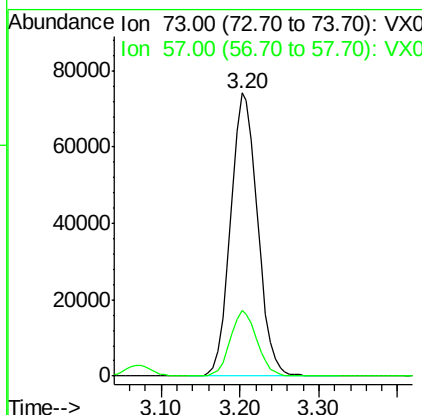
#19
Methyl tert-butyl Ether
Concen: 20.218 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Tot Ion	73	Resp	176473
Ion Ratio	100	Lower	Upper
73	100	18.2	27.4
57	23.3		

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBSD01

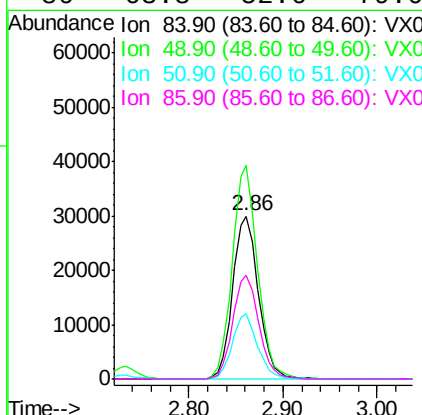
Manual Integrations
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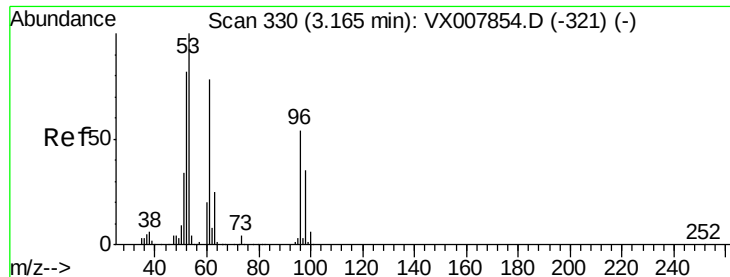
MMDadoda
3/7/2019 10:35:39 AM



#20
Methylene Chloride
Concen: 19.757 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Tgt Ion	84	Resp	57251
Ion Ratio	100	Lower	Upper
84	100	99.3	148.9
49	130.9	31.3	46.9
51	40.2	52.6	79.0
86	63.8		





#21

trans-1,2-Dichloroethene

Concen: 19.459 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

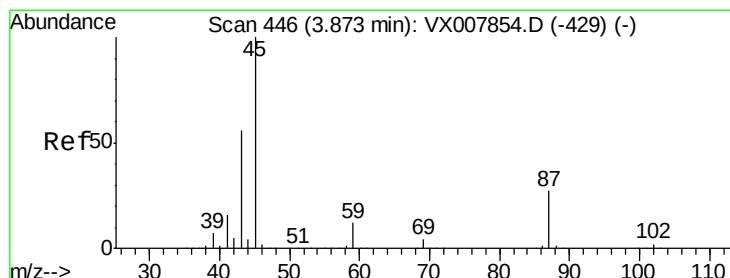
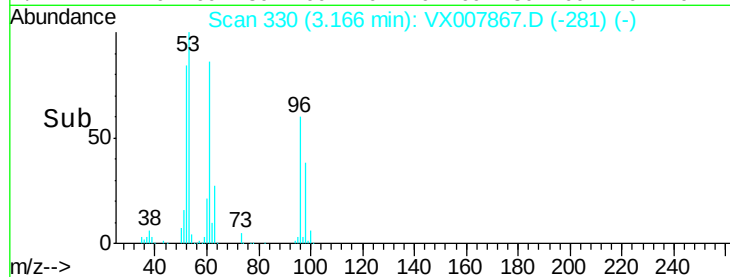
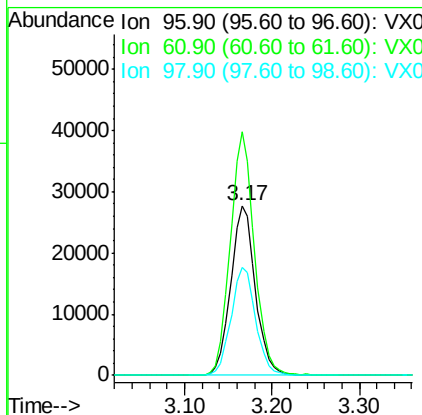
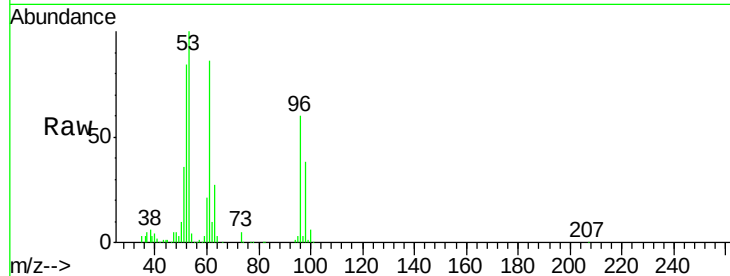
ClientSampled :

VX0306WBSD01

Tot Ion:	96	Resp:	54322
Ion Ratio	Lower	Upper	
96	100		
61	143.6	114.4	171.6
98	63.7	51.1	76.7

Manual Integrations
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3/7/2019 10:35:39 AM



#22

Diisopropyl ether

Concen: 20.416 ug/l

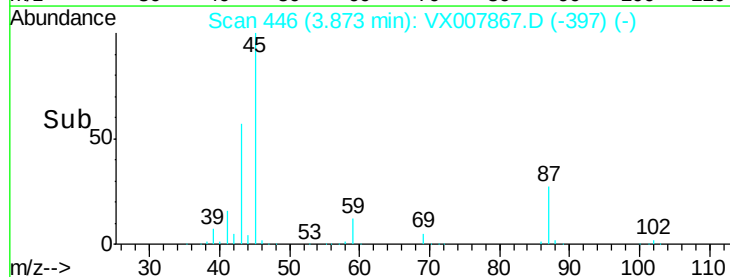
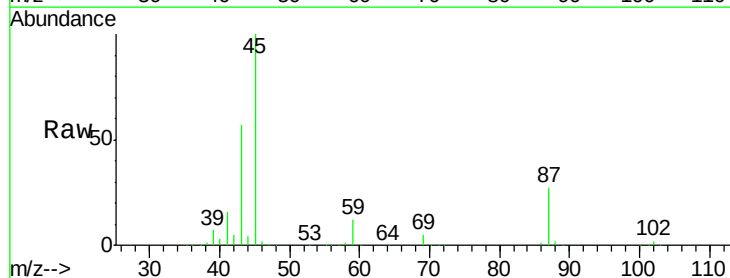
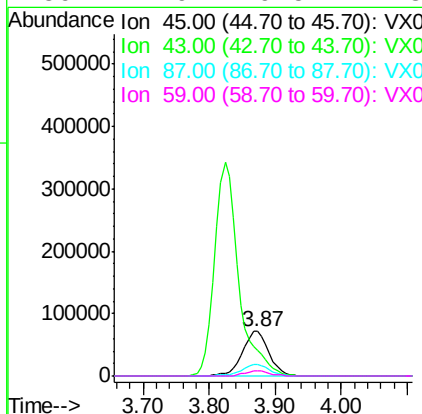
RT: 3.87 min Scan# 446

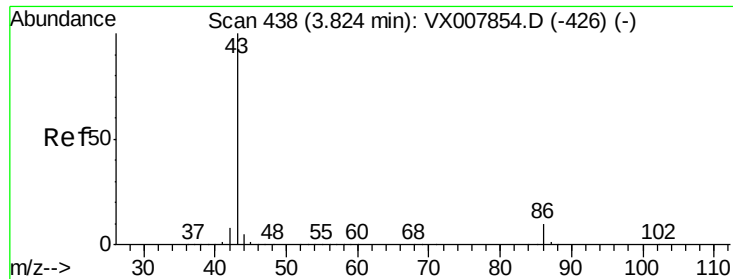
Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Tgt Ion:	45	Resp:	199526
Ion Ratio	Lower	Upper	
45	100		
43	56.7	45.3	67.9
87	27.0	21.4	32.0
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 101.673 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBSD01

Tot Ion: 43 Resp: 871344

Ion Ratio Lower Upper

43 100

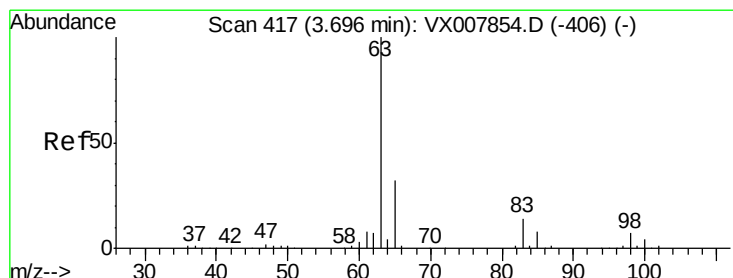
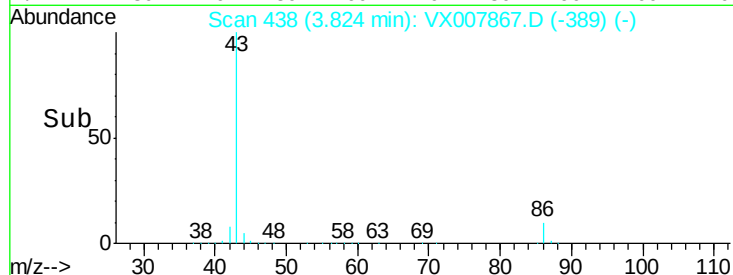
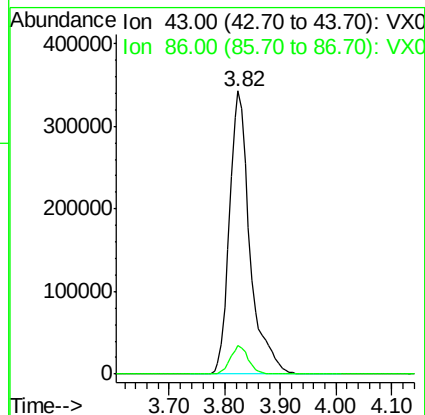
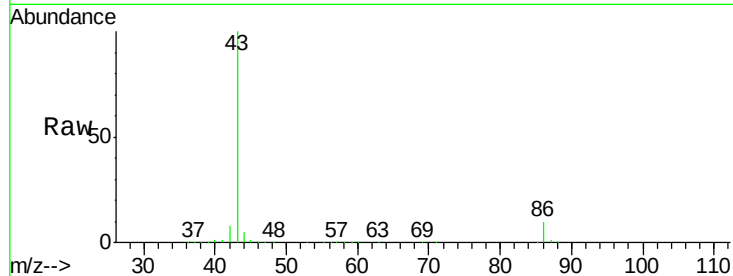
86 10.0 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.923 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

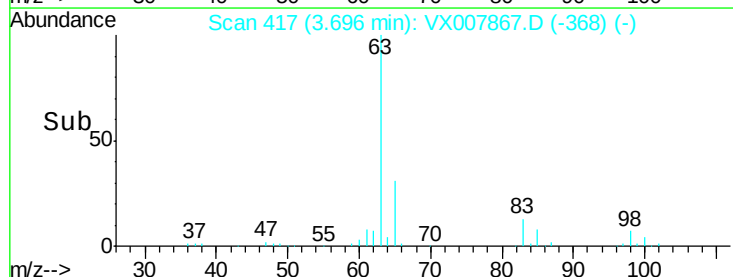
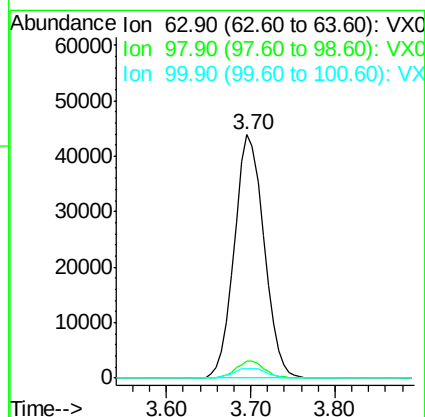
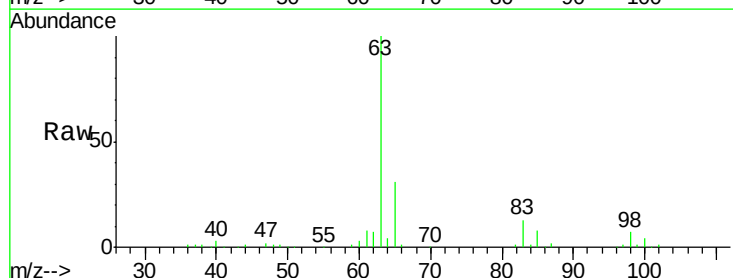
Tgt Ion: 63 Resp: 104780

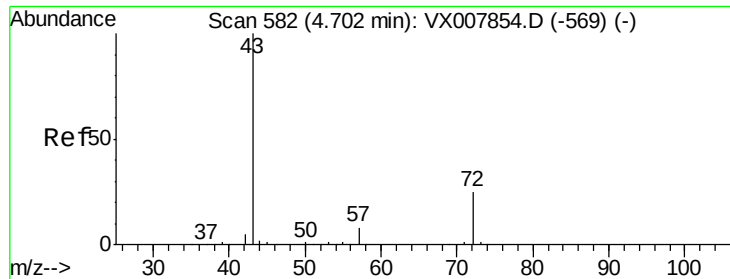
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.1 2.3 6.8





#25

2-Butanone

Concen: 96.663 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBSD01

Tot Ion: 43 Resp: 249173

Ion Ratio Lower Upper

43 100

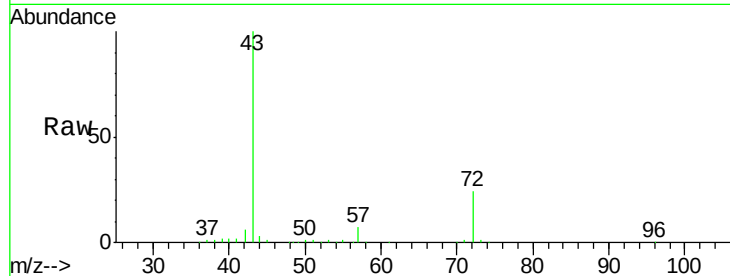
72 24.1 19.9 29.9

Manual Integrations

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MMDadoda

3/7/2019 10:35:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

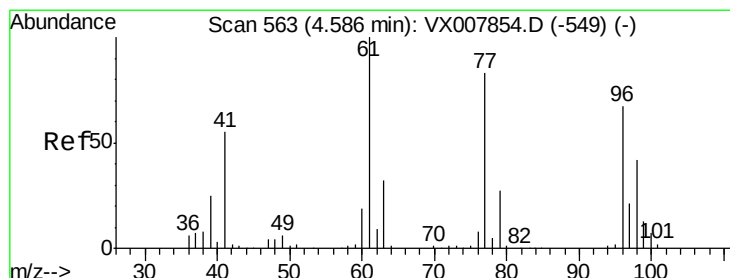
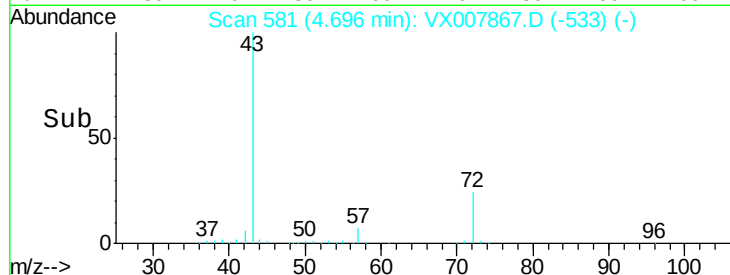
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 18.092 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007867.D

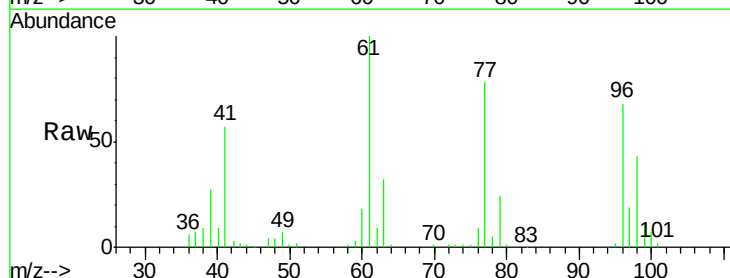
Acq: 06 Mar 2019 18:27

Tgt Ion: 77 Resp: 63038

Ion Ratio Lower Upper

77 100

97 24.8 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

15000

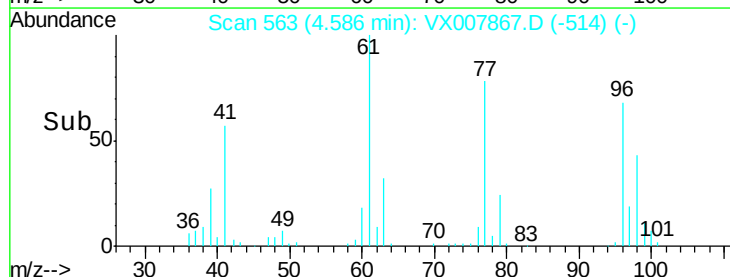
10000

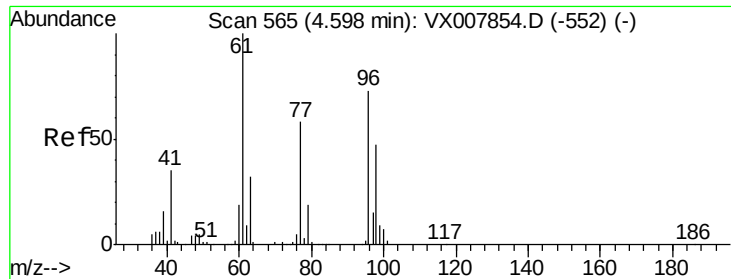
5000

0

4.50 4.60 4.70

Time-->





#27

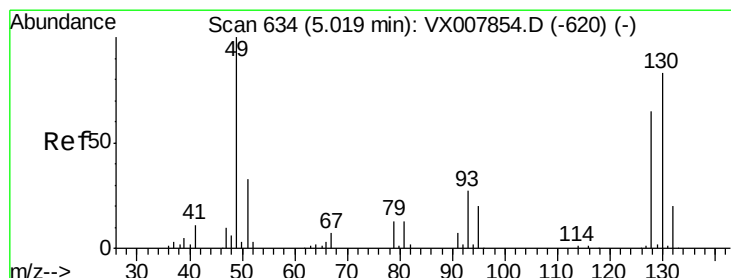
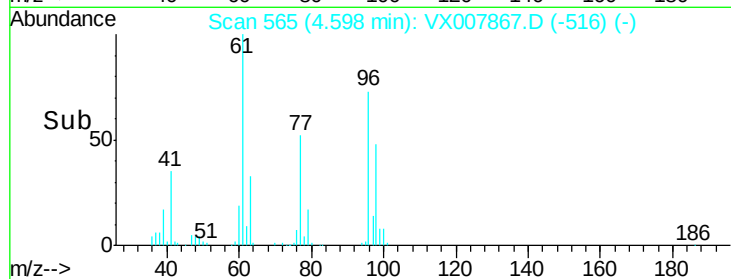
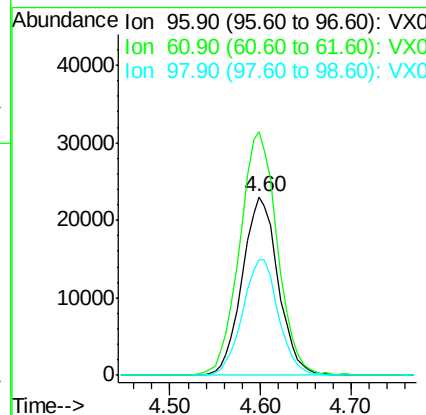
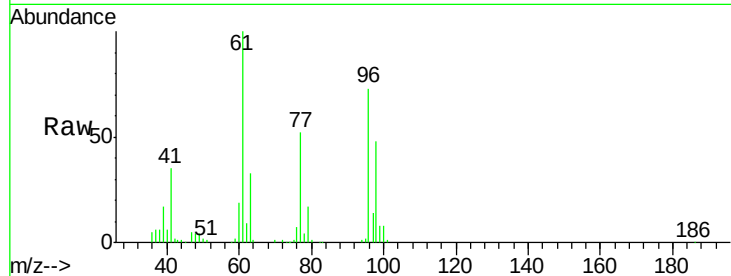
cis-1,2-Dichloroethene
Concen: 19.730 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	288.0
98	65.2	0.0	129.0

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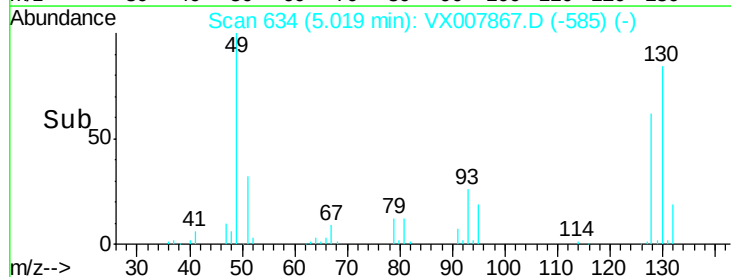
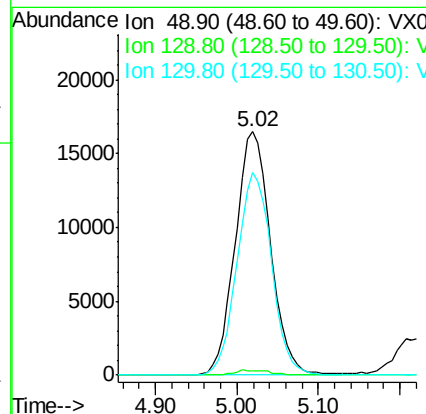
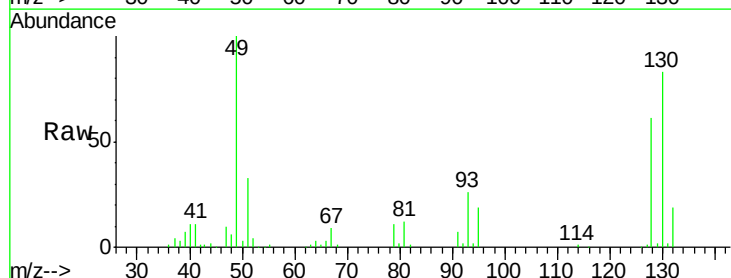
MMDadoda
3/7/2019 10:35:39 AM

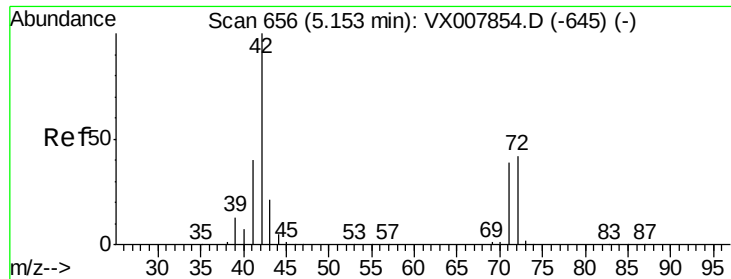


#28

Bromochloromethane
Concen: 20.136 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	81.6	65.0	97.4





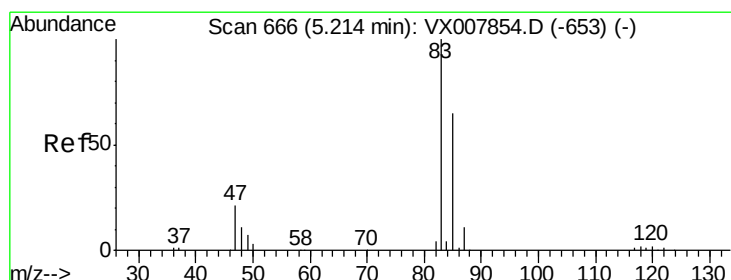
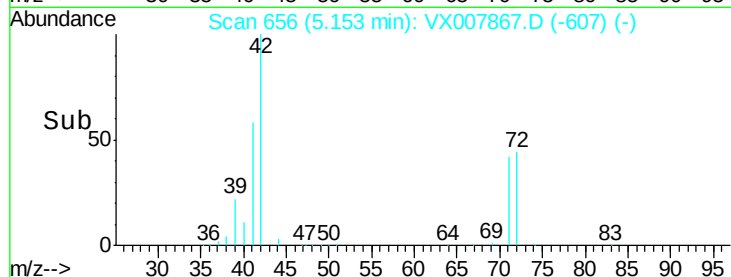
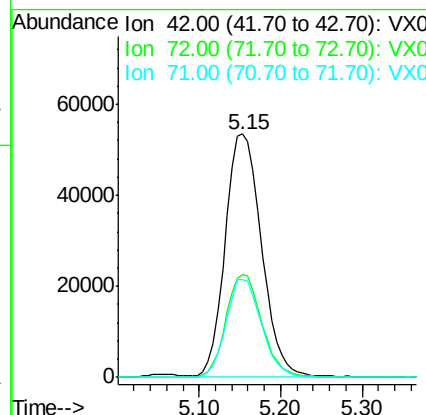
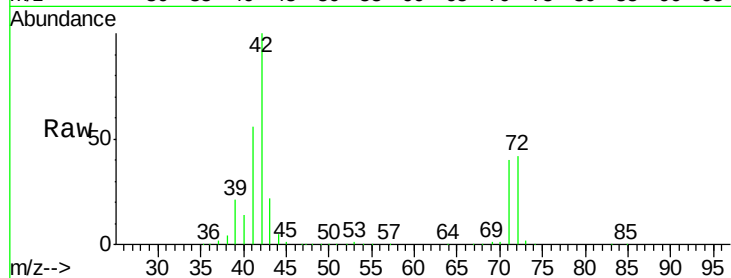
#29
Tetrahydrofuran
Concen: 102.381 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Instrument :
MSVOA_X
ClientSampled :
VX0306WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.8	50.6
71	39.6	31.5	47.3

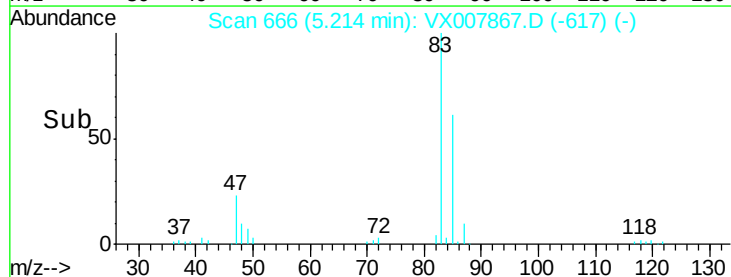
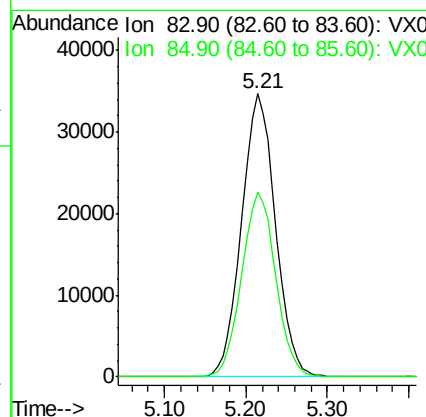
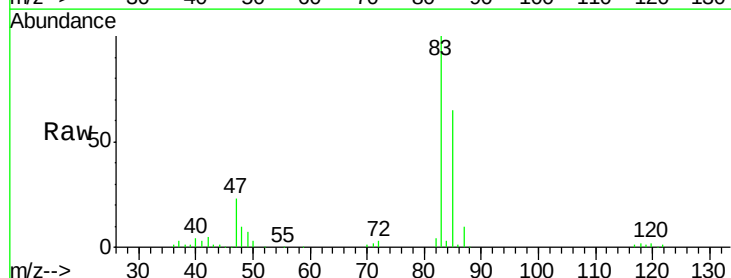
Manual Integrations
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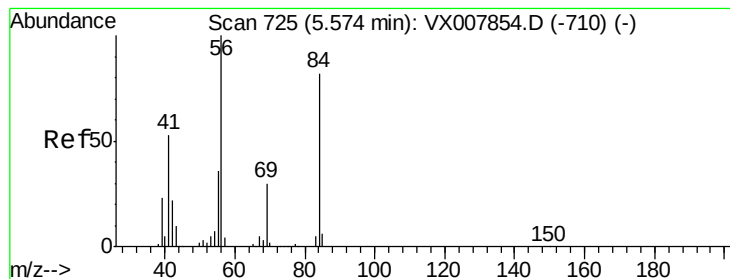
MMDadoda
3/7/2019 10:35:39 AM



#30
Chloroform
Concen: 20.140 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.6





#31

Cyclohexane

Concen: 19.969 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

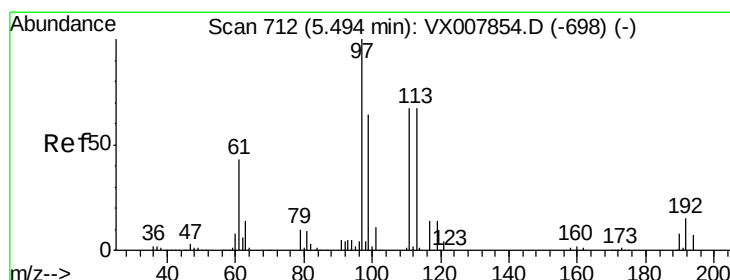
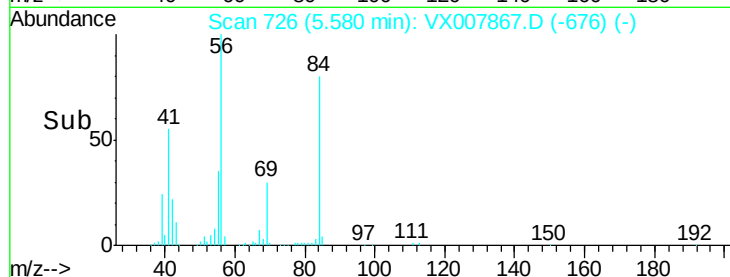
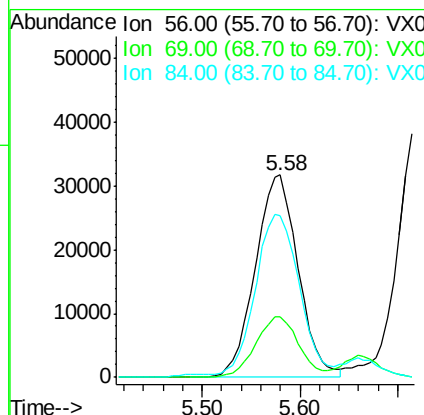
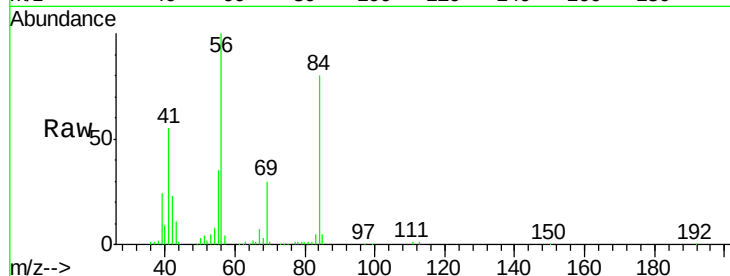
ClientSampled :

VX0306WBSD01

Tot Ion:	56	Resp:	96523
Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.0	36.0
84	78.5	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.731 ug/l

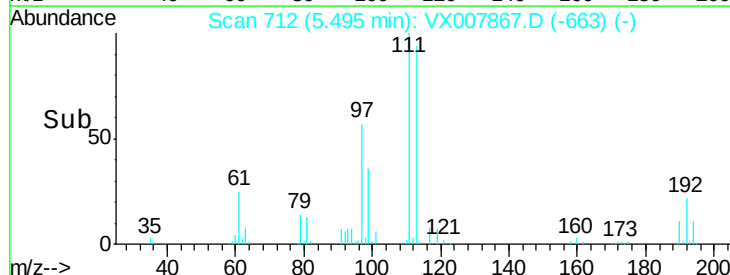
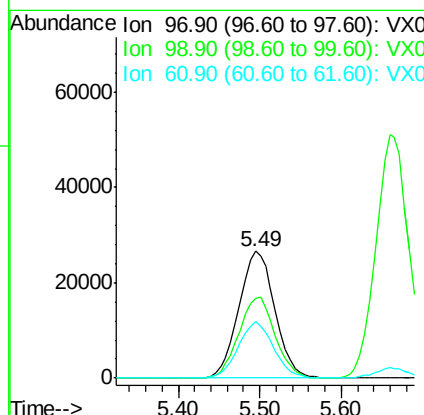
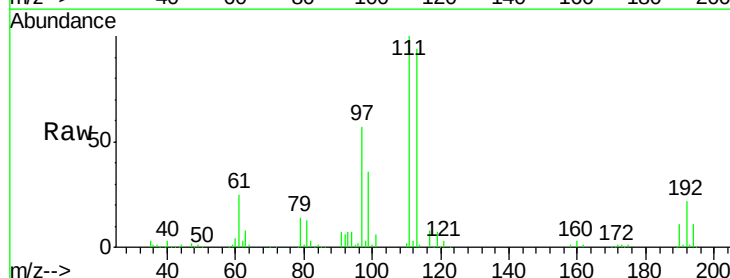
RT: 5.49 min Scan# 712

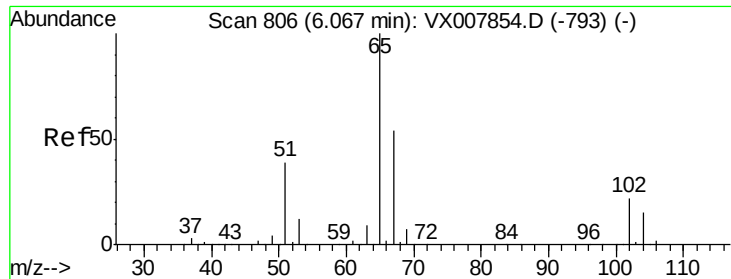
Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Tgt Ion:	97	Resp:	81443
Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.2	78.2
61	43.5	34.9	52.3





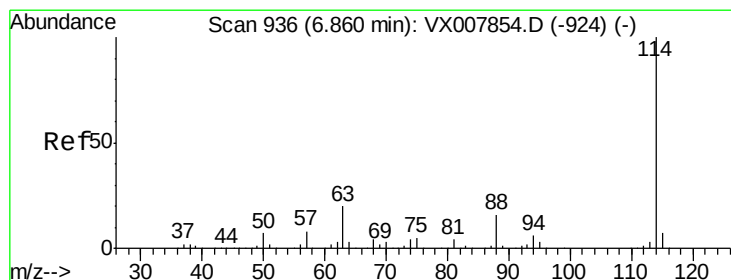
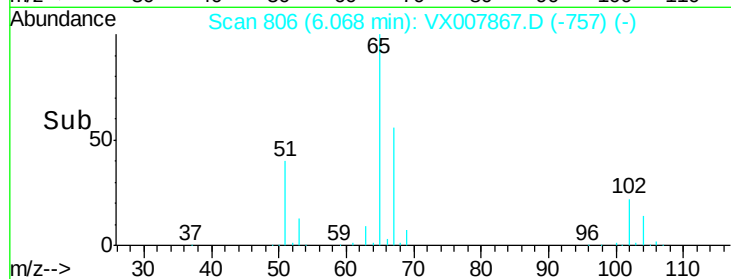
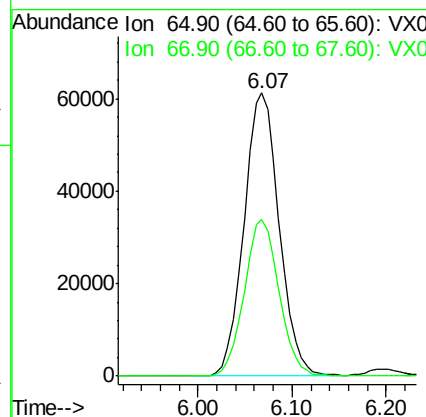
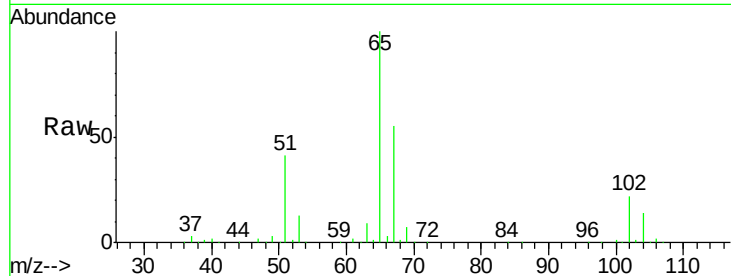
#33
 1,2-Dichloroethane-d4
 Concen: 50.876 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007867.D
 Acq: 06 Mar 2019 18:27

Instrument :
 MSVOA_X
 ClientSampled :
 VX0306WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	160045		
67	54.8	0.0	110.0	

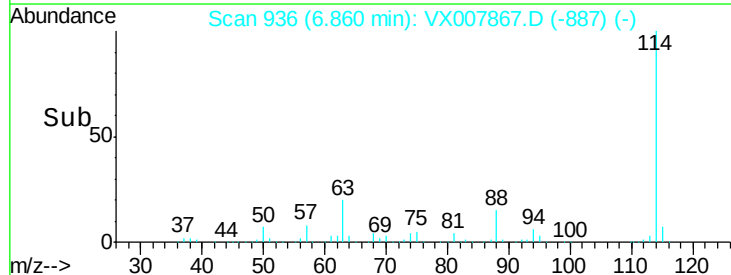
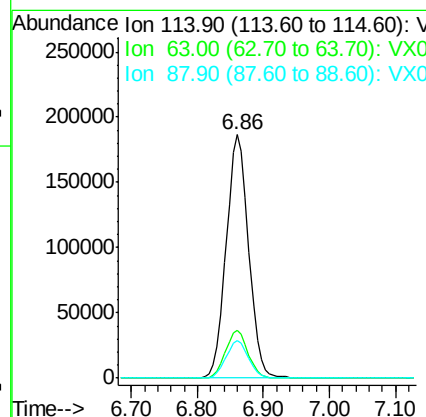
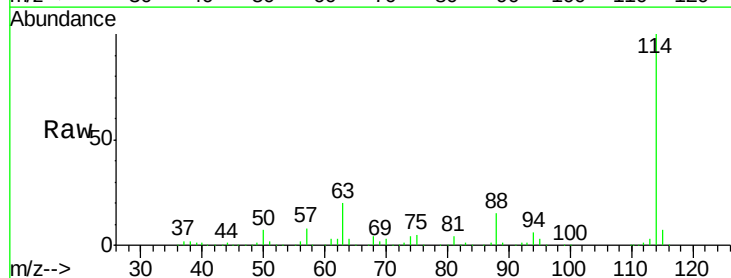
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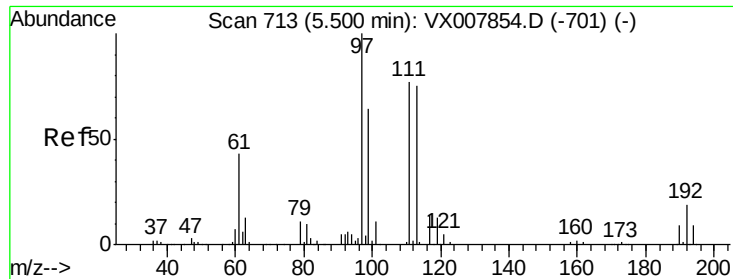
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007867.D
 Acq: 06 Mar 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	437778		
63	19.6	0.0	39.8	
88	15.3	0.0	31.4	





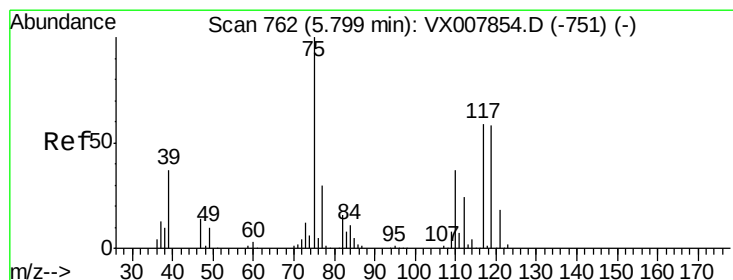
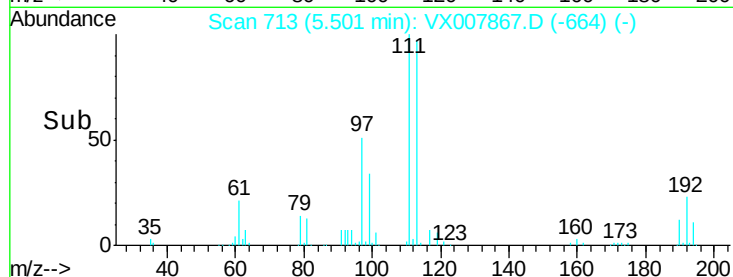
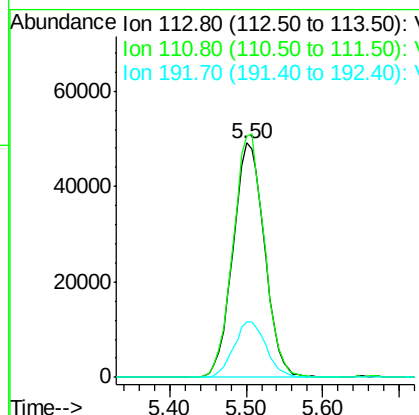
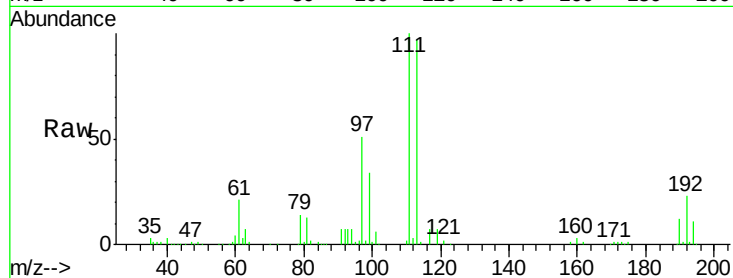
#35
 Dibromofluoromethane
 Concen: 50.027 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007867.D
 Acq: 06 Mar 2019 18:27

Instrument :
 MSVOA_X
 ClientSampled :
 VX0306WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	140093		
111	102.9	81.4	122.0	
192	24.4	19.4	29.0	

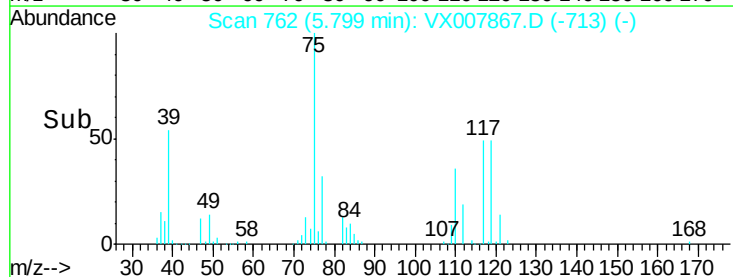
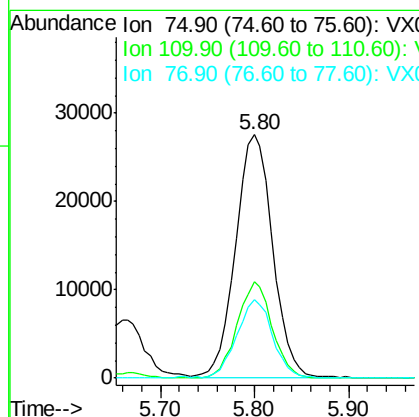
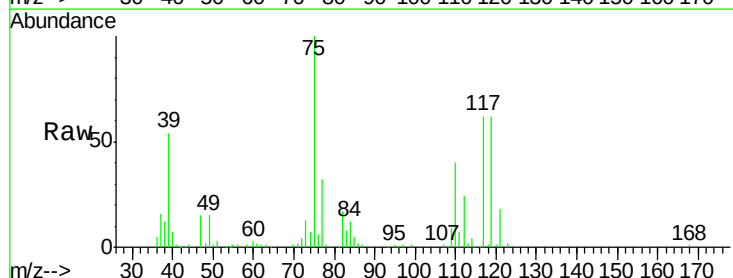
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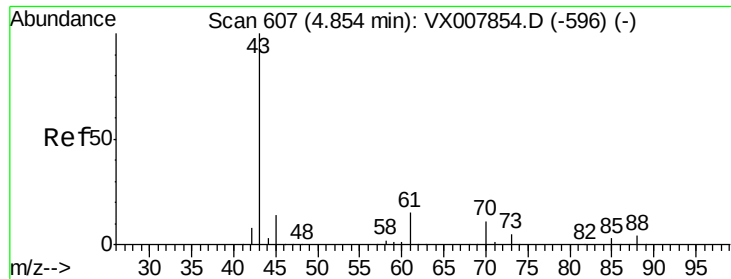
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 3/7/2019 10:35:39 AM



#36
 1,1-Dichloropropene
 Concen: 19.025 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007867.D
 Acq: 06 Mar 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75416		
110	37.5	18.4	55.0	
77	31.4	25.0	37.4	





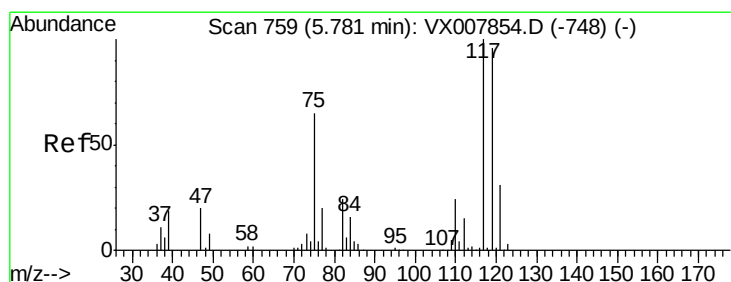
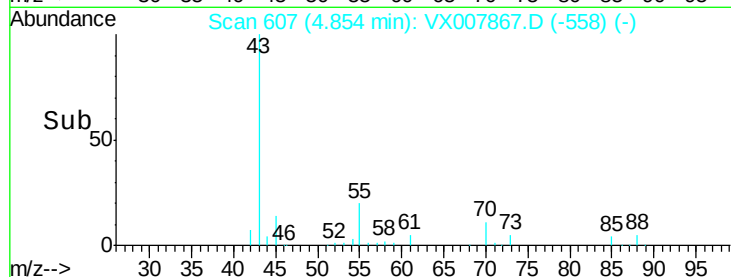
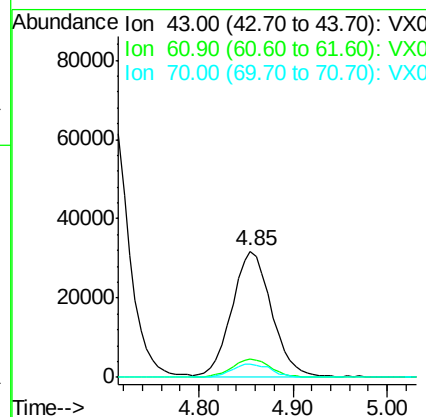
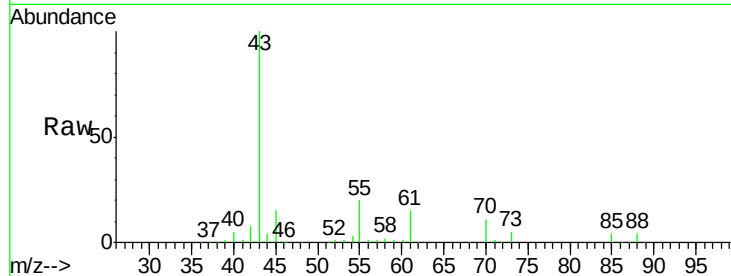
#37
Ethyl Acetate
Concen: 19.551 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBSD01

Tot Ion:	43	Resp:	91968
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.3	16.9
70	10.8	8.5	12.7

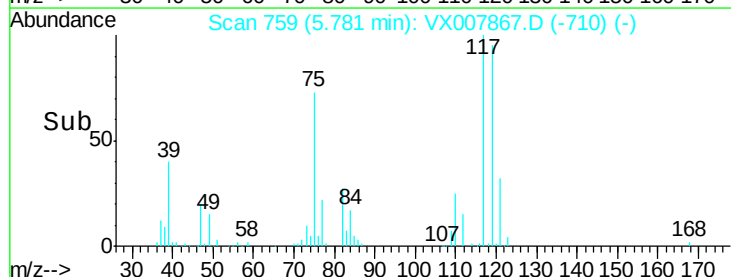
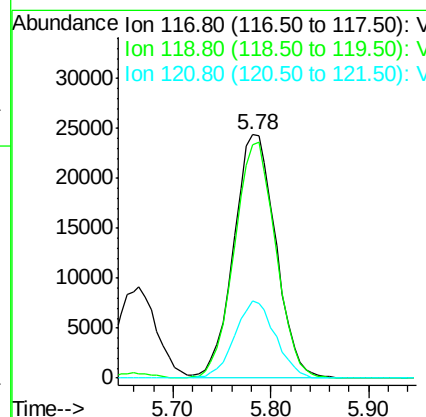
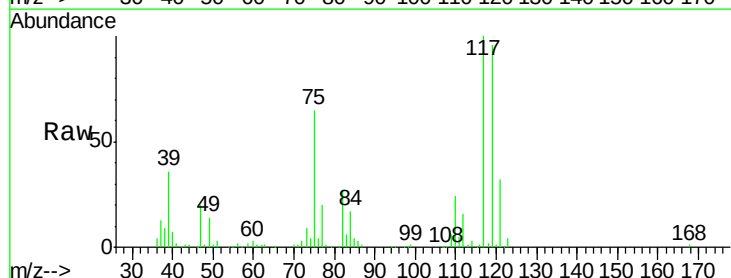
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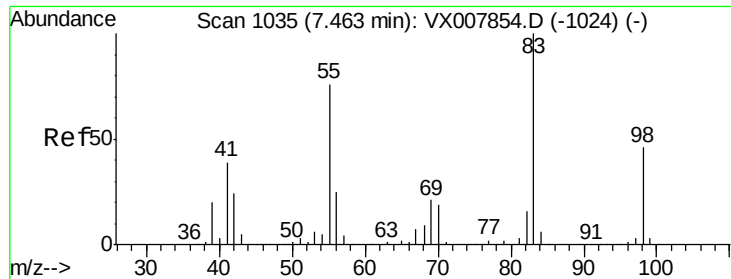
MMDadoda
3/7/2019 10:35:39 AM



#38
Carbon Tetrachloride
Concen: 19.306 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Tgt Ion:	117	Resp:	72653
Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.2	114.2
121	31.8	24.6	36.8





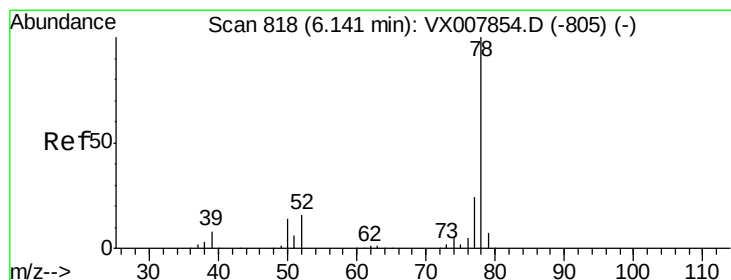
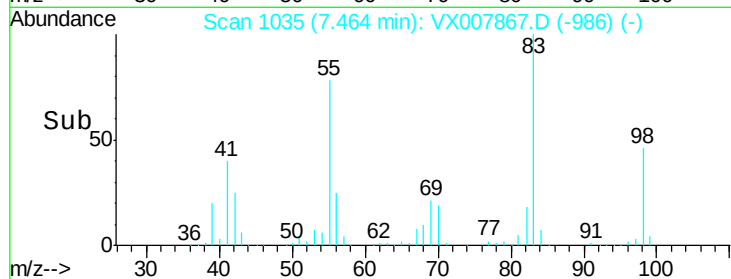
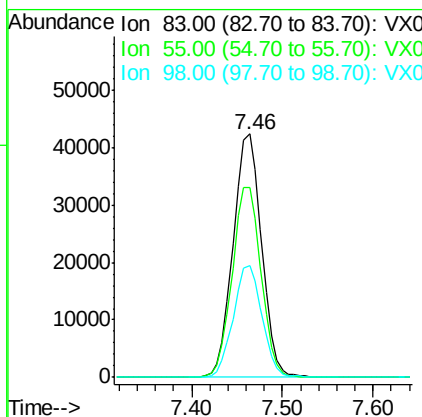
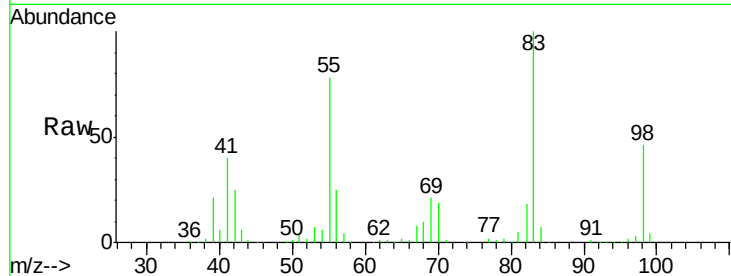
#39
Methylvlcyclohexane
Concen: 19.277 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	60.4	90.6
98	45.9	36.5	54.7

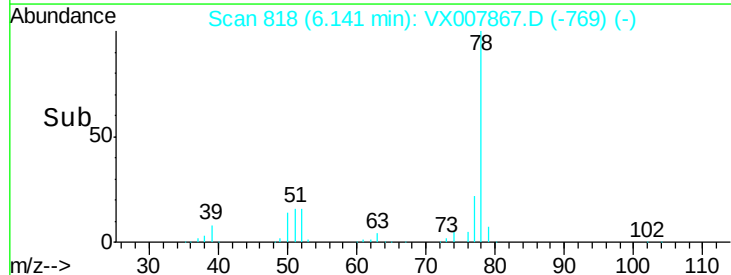
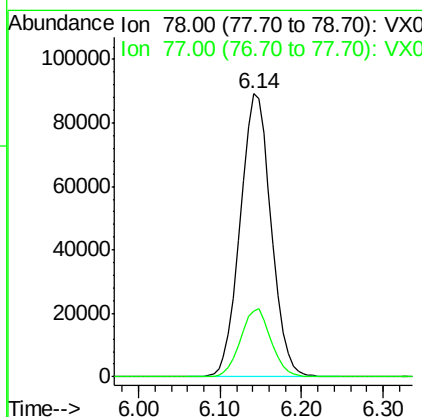
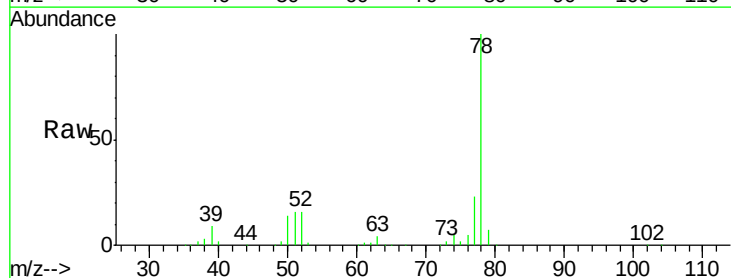
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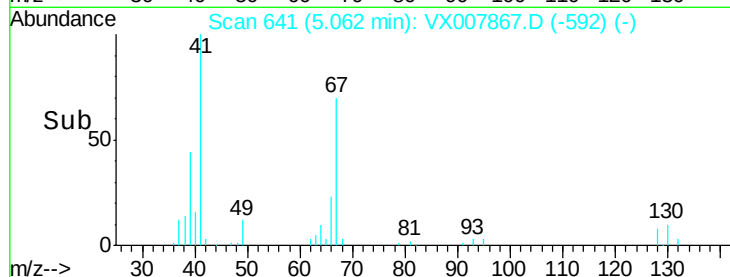
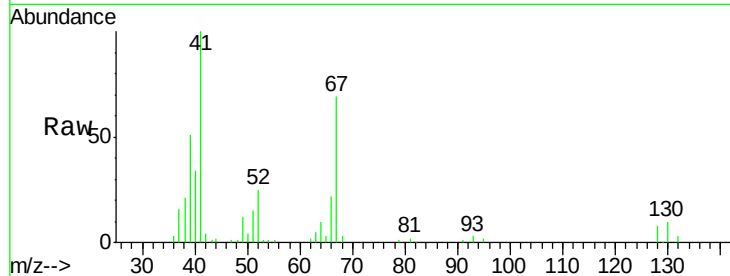
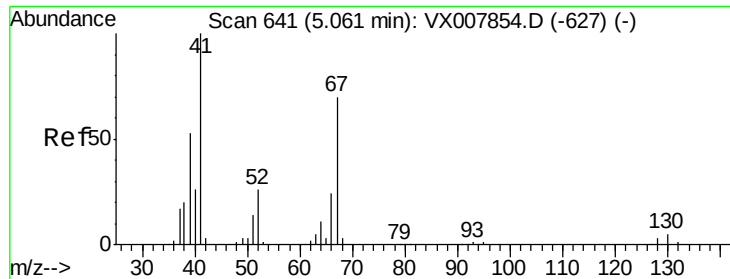
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3/7/2019 10:35:39 AM



#40
Benzene
Concen: 19.903 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4





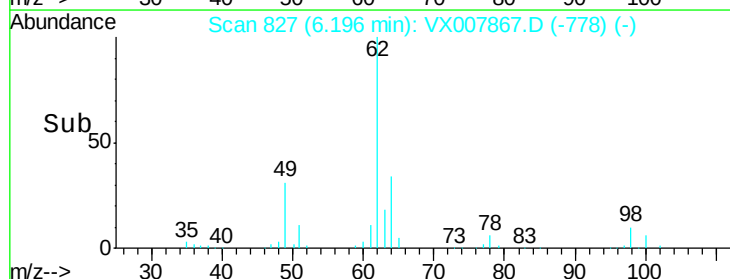
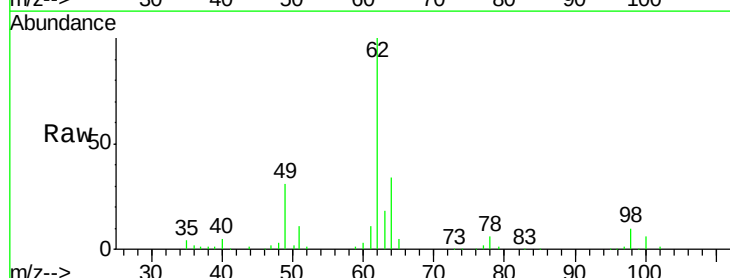
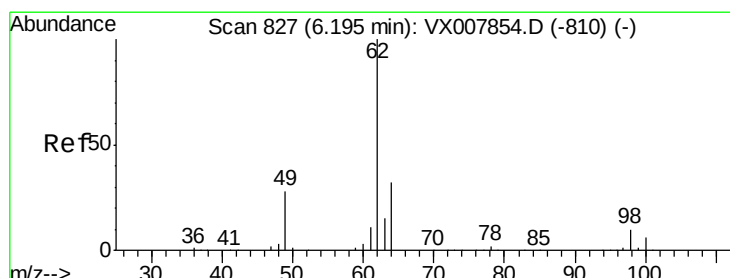
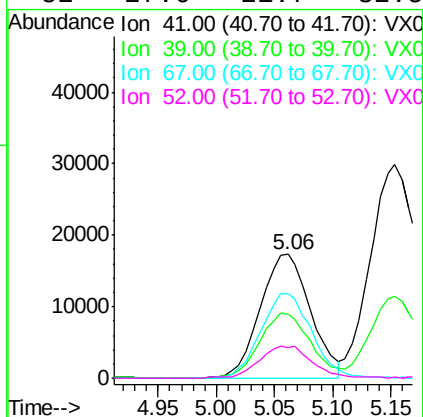
#41
Methacrylonitrile
Concen: 20.300 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.7	41.6	62.4	
67	69.4	55.8	83.6	
52	27.6	21.7	32.5	

Instrument :
MSVOA_X
ClientSampled :
VX0306WBSD01

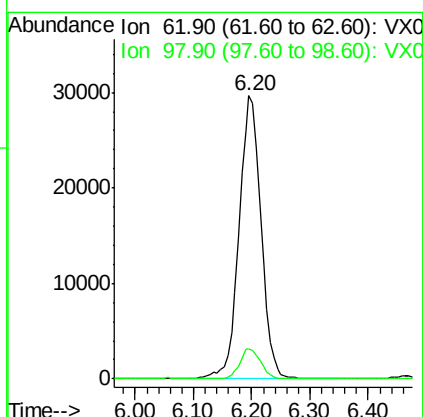
Manual Integrations
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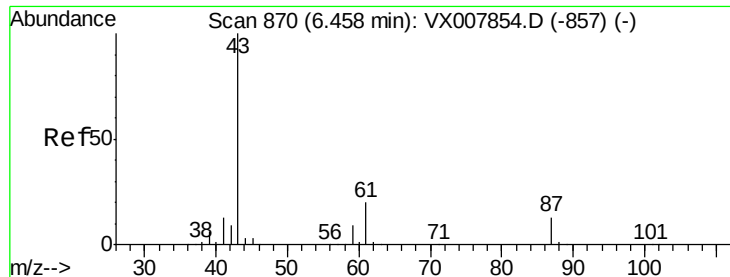
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.135 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.4	





#43

Isopropyl Acetate

Concen: 20.031 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

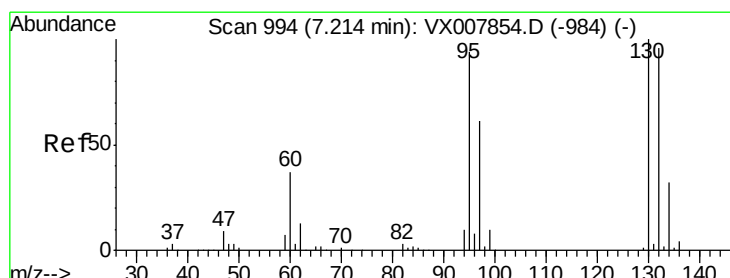
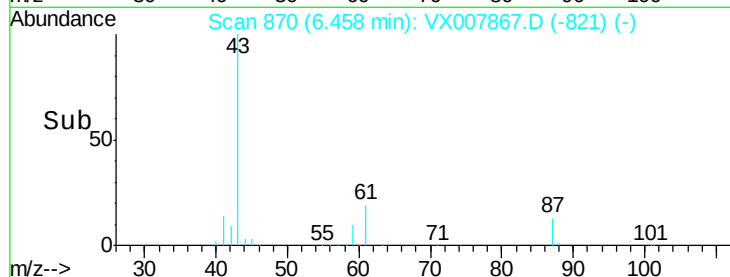
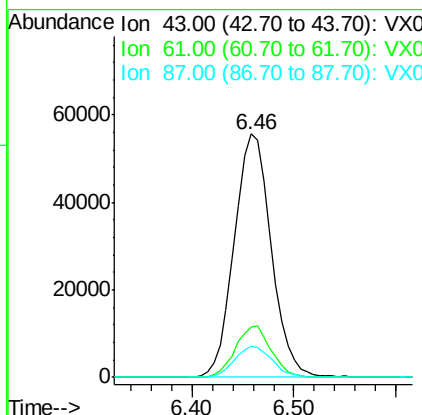
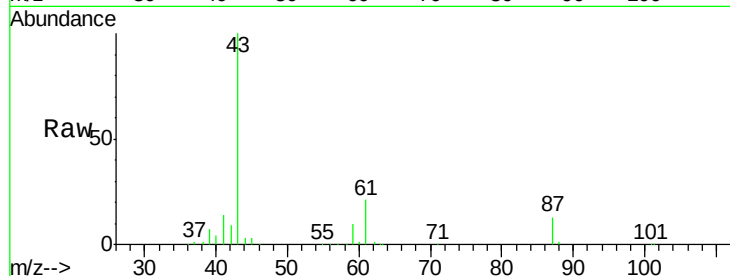
ClientSampled :

VX0306WBSD01

Tot Ion:	43	Resp:	139455
Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.3	24.5
87	13.0	10.5	15.7

Manual Integrations
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MMDadoda
3/7/2019 10:35:39 AM



#44

Trichloroethene

Concen: 19.188 ug/l

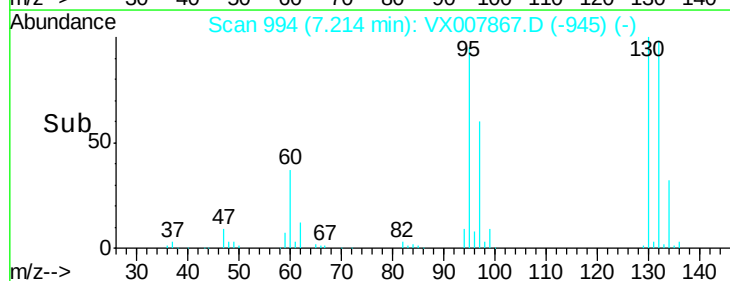
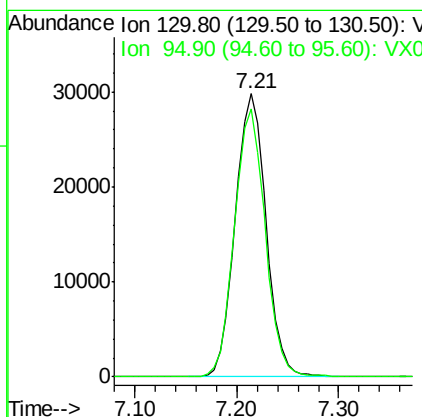
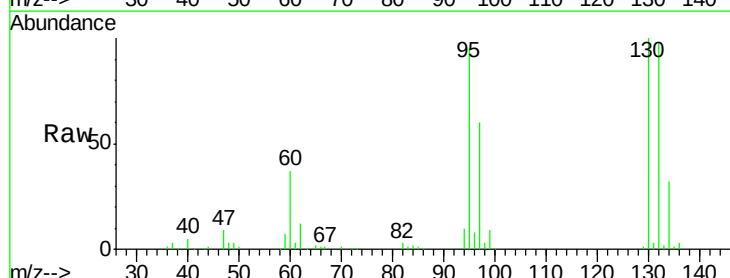
RT: 7.21 min Scan# 994

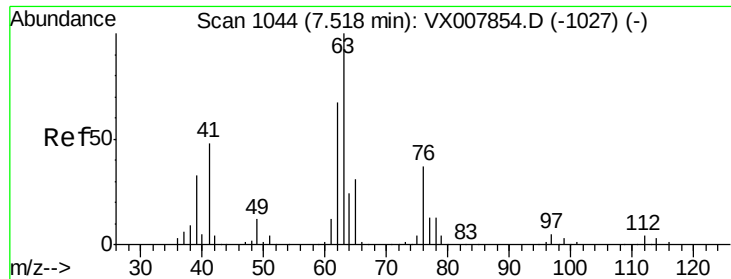
Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Tgt Ion:	130	Resp:	62403
Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	188.0





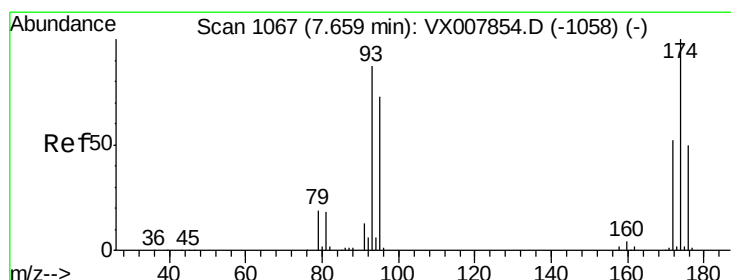
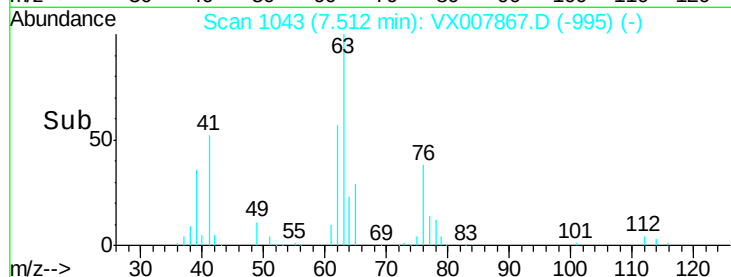
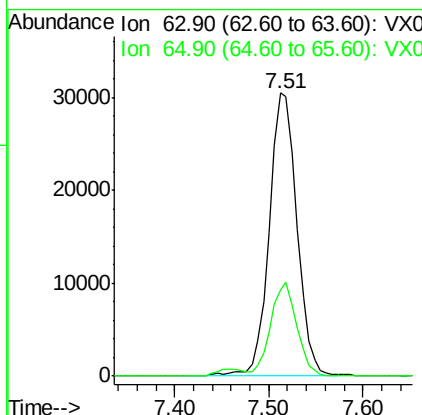
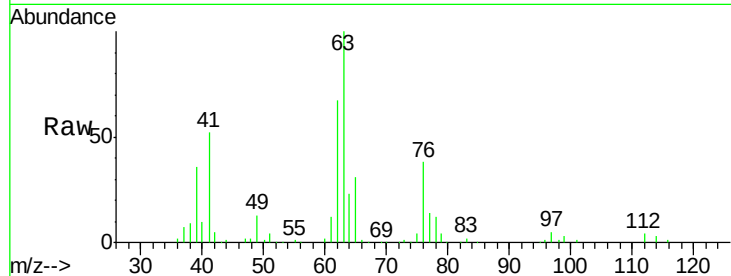
#45
 1,2-Dichloropropane
 Concen: 20.145 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX007867.D
 Acq: 06 Mar 2019 18:27

Instrument :
 MSVOA_X
 ClientSampled :
 VX0306WBSD01

Tot Ion: 63 Resp: 62788
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.7 37.1

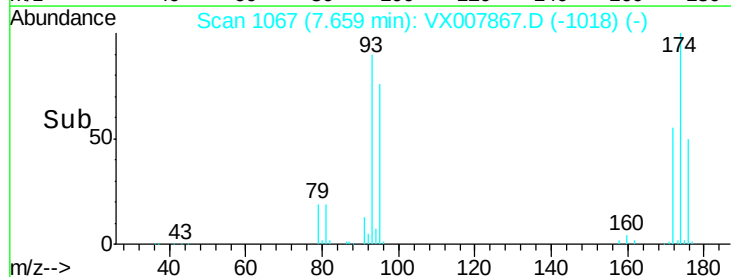
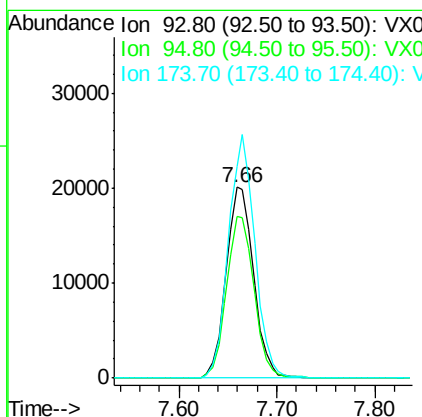
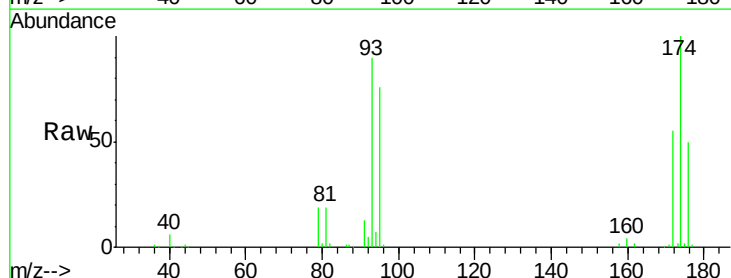
Manual Integrations
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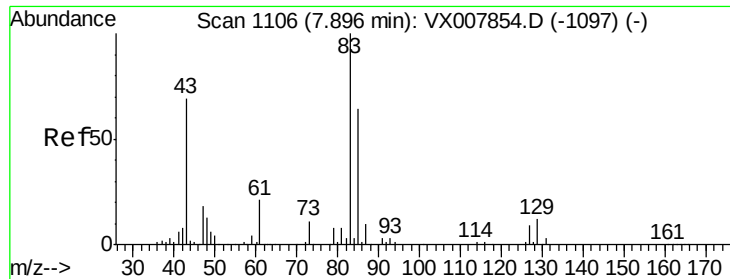
MMDadoda
 3/7/2019 10:35:39 AM



#46
 Dibromomethane
 Concen: 19.880 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX007867.D
 Acq: 06 Mar 2019 18:27

Tgt Ion: 93 Resp: 39213
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.8 100.2
 174 122.2 97.3 145.9





#47

Bromodichloromethane

Concen: 19.742 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

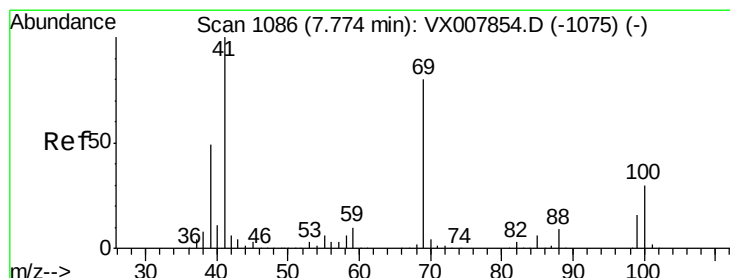
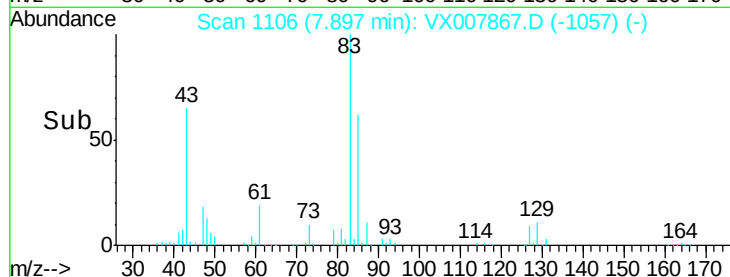
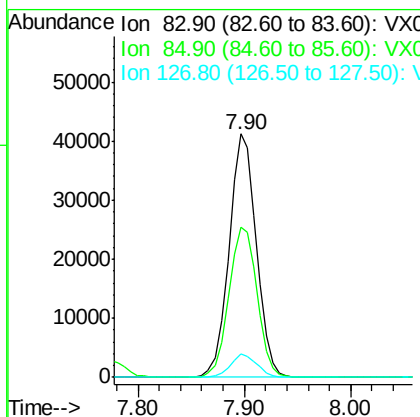
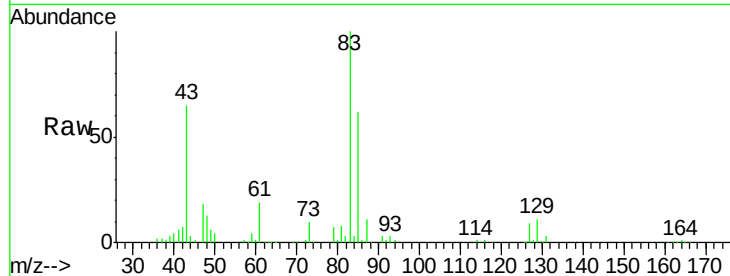
ClientSampleId :

VX0306WBSD01

Tot Ion:	83	Resp:	73831
Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.9	76.3
127	9.4	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.030 ug/l

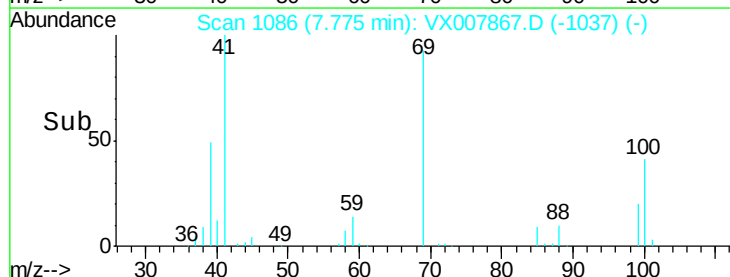
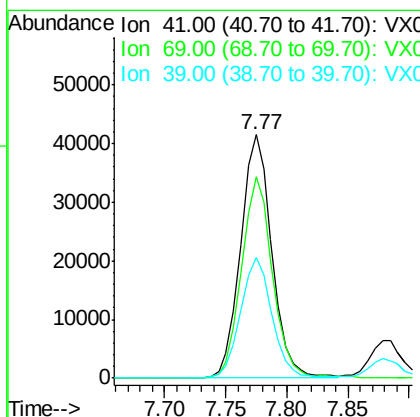
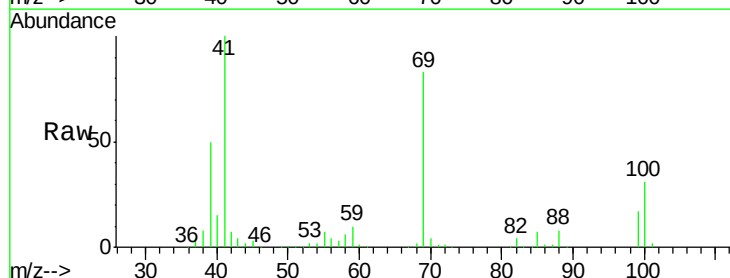
RT: 7.77 min Scan# 1086

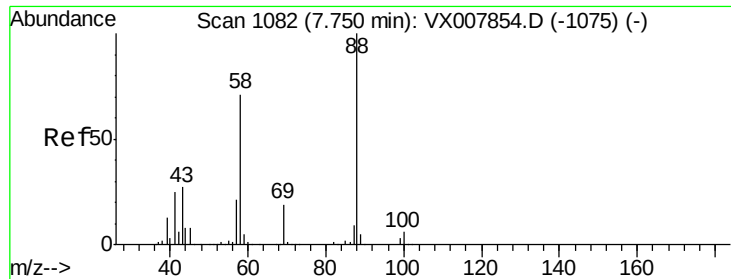
Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Tgt Ion:	41	Resp:	73313
Ion	Ratio	Lower	Upper
41	100		
69	82.8	65.2	97.8
39	50.5	39.4	59.2





#49

1,4-Dioxane

Concen: 403.966 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

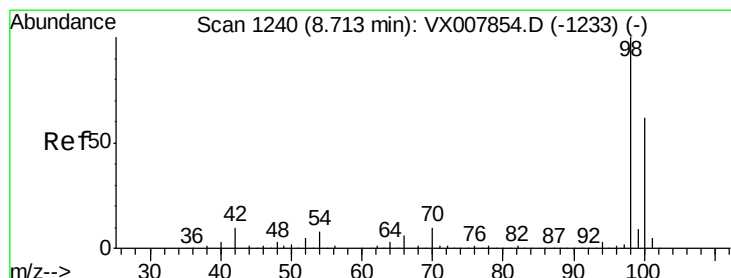
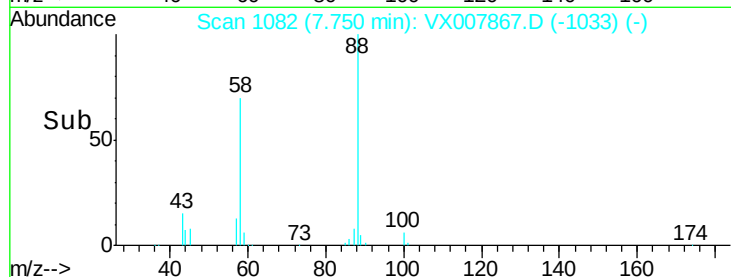
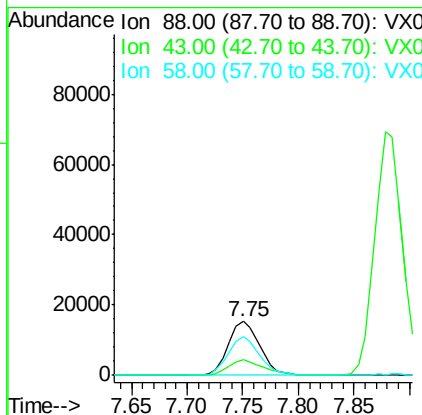
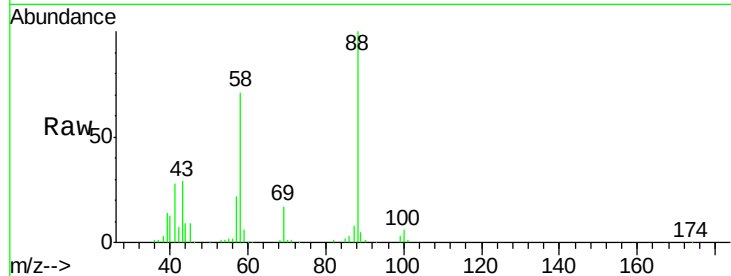
ClientSampled :

VX0306WBSD01

Tot Ion:	88	Resp:	30374
Ion	Ratio	Lower	Upper
88	100		
43	32.9	25.1	37.7
58	71.8	57.8	86.6

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#50

Toluene-d8

Concen: 50.839 ug/l

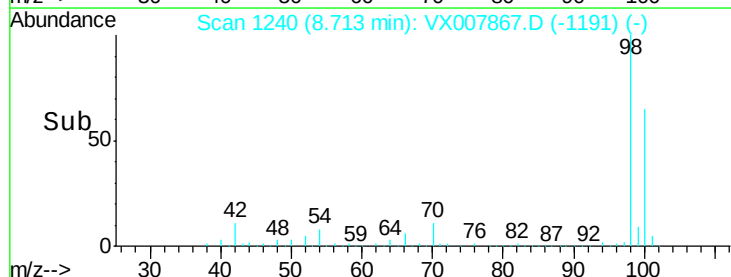
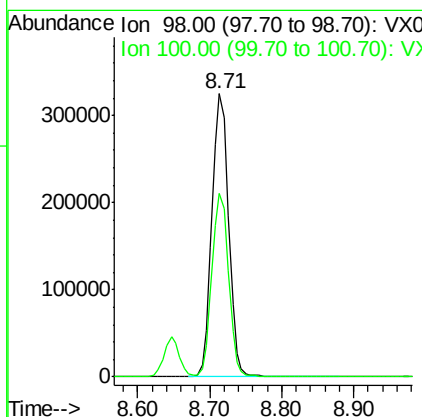
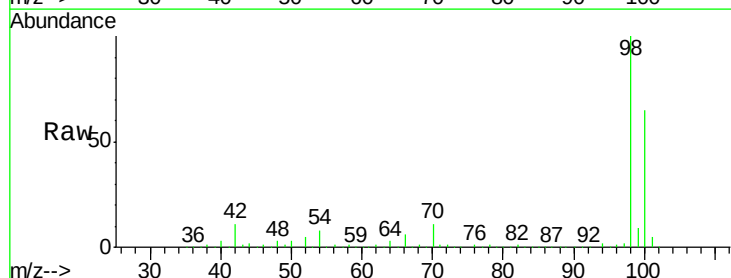
RT: 8.71 min Scan# 1240

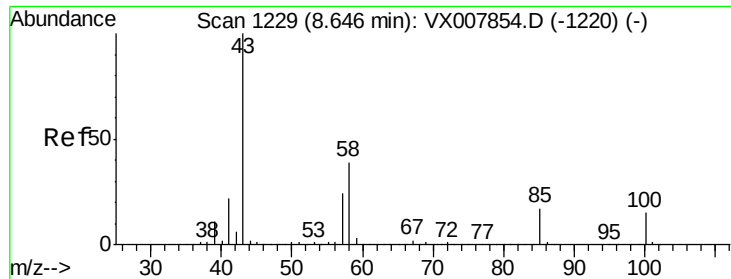
Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Tgt Ion:	98	Resp:	522848
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 103.915 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

ClientSampled :

VX0306WBSD01

Tot Ion: 43 Resp: 465245

Ion Ratio Lower Upper

43 100

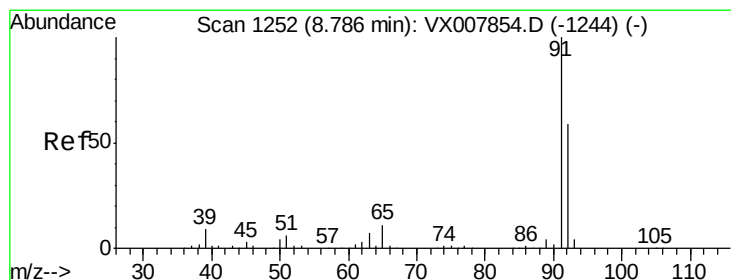
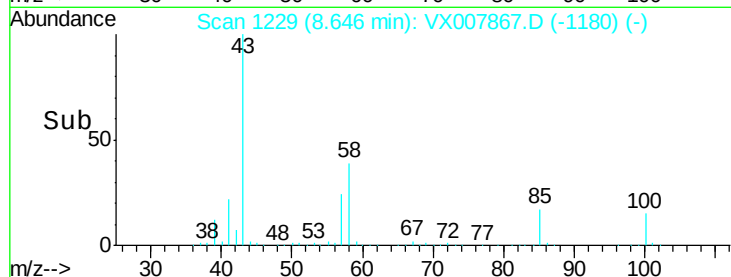
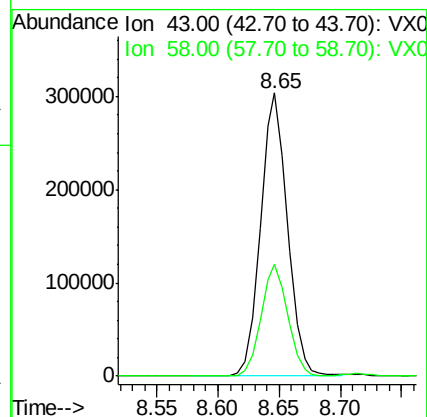
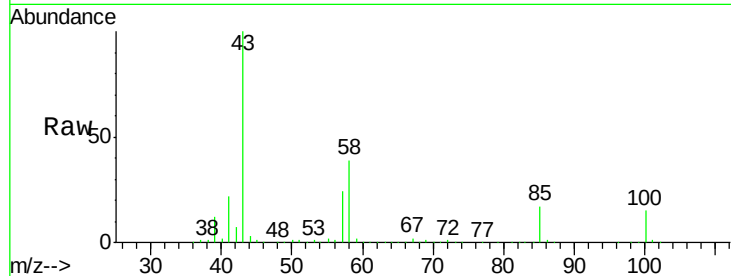
58 39.1 31.3 46.9

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#52

Toluene

Concen: 19.944 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007867.D

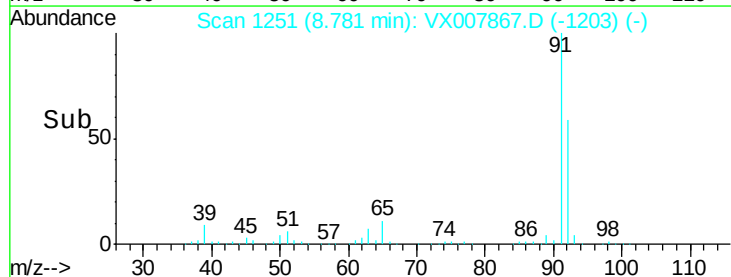
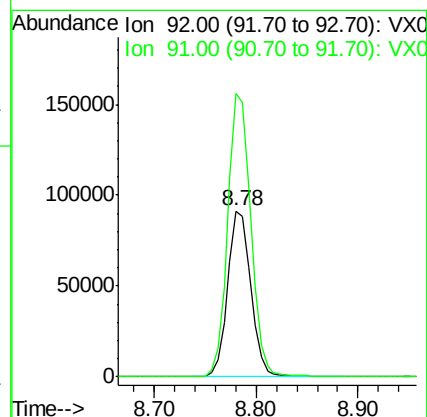
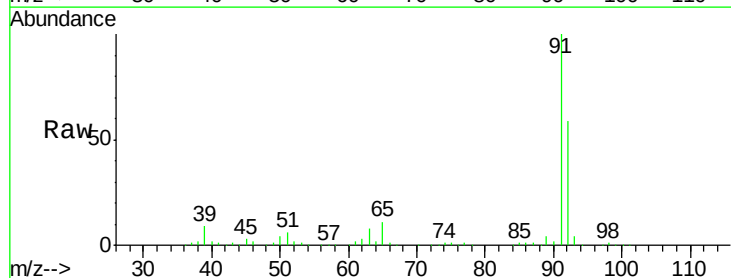
Acq: 06 Mar 2019 18:27

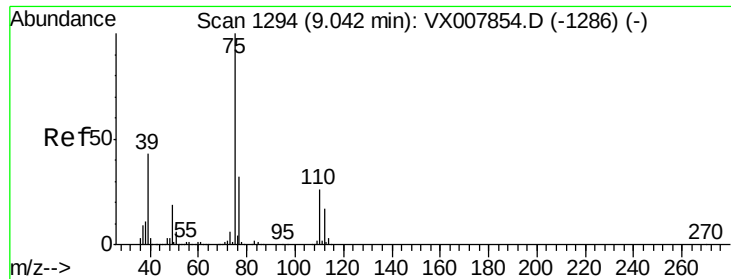
Tgt Ion: 92 Resp: 143690

Ion Ratio Lower Upper

92 100

91 171.4 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 19.096 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBSD01

Tot Ion: 75 Resp: 74538

Ion Ratio Lower Upper

75 100

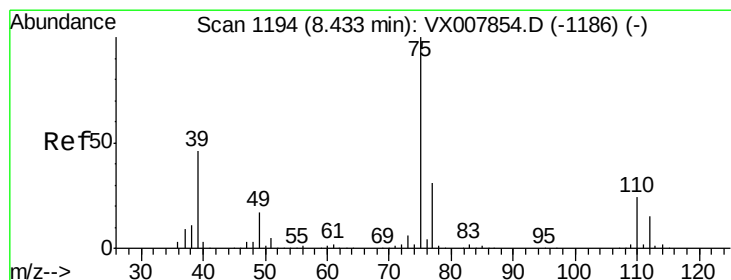
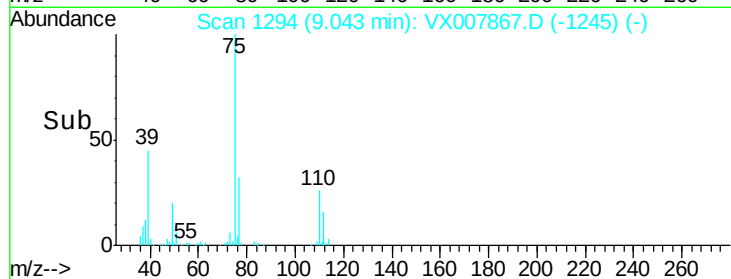
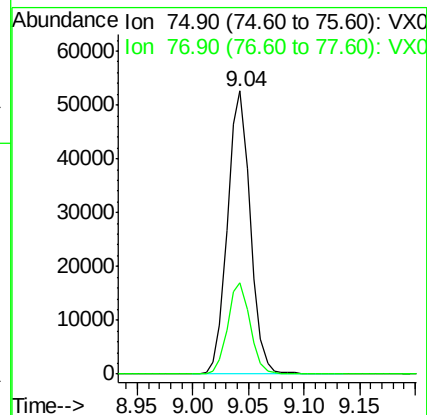
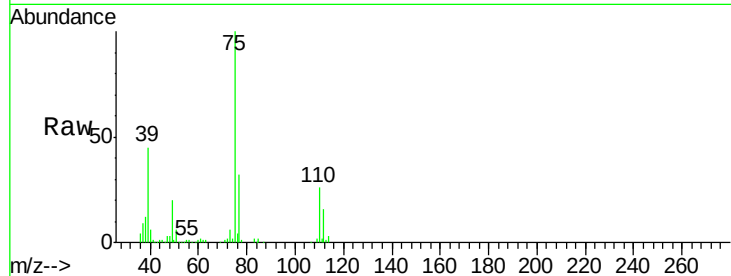
77 32.5 25.4 38.0

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3/7/2019 10:35:39 AM



#54

cis-1,3-Dichloropropene

Concen: 19.484 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

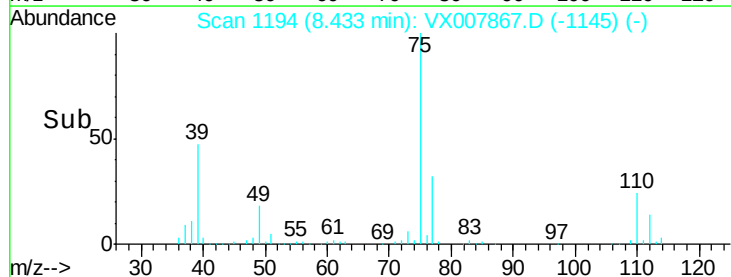
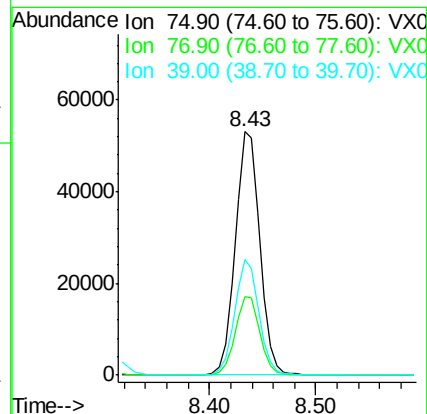
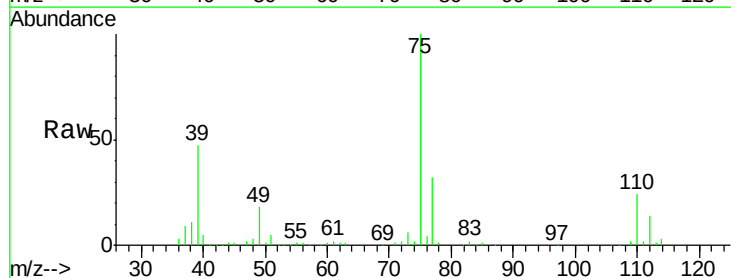
Tgt Ion: 75 Resp: 85882

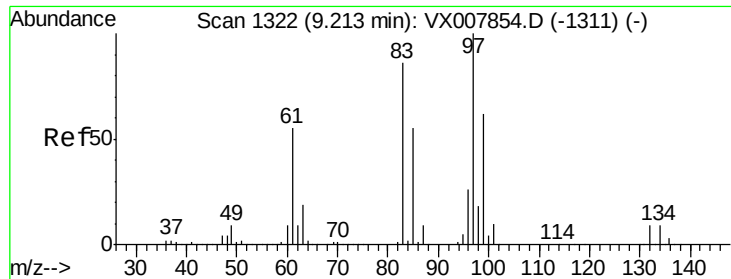
Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.6

39 47.2 36.6 54.8





#55

1,1,2-Trichloroethane

Concen: 20.151 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

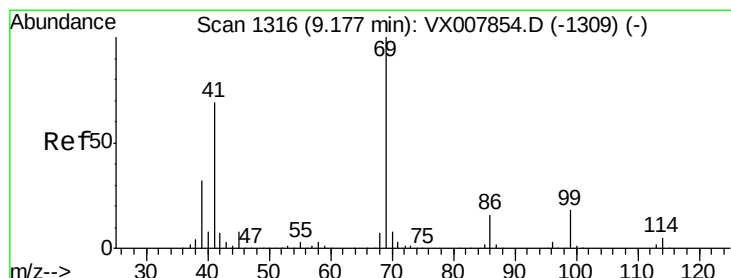
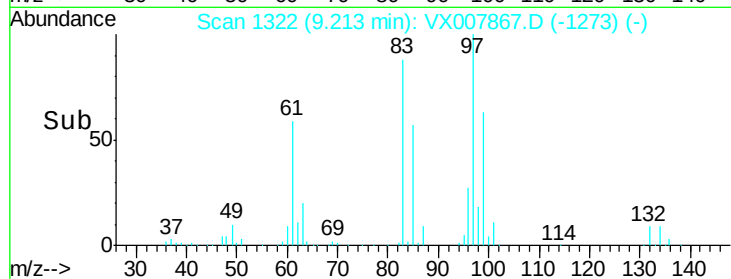
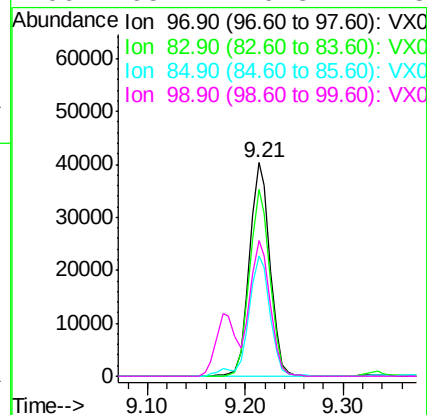
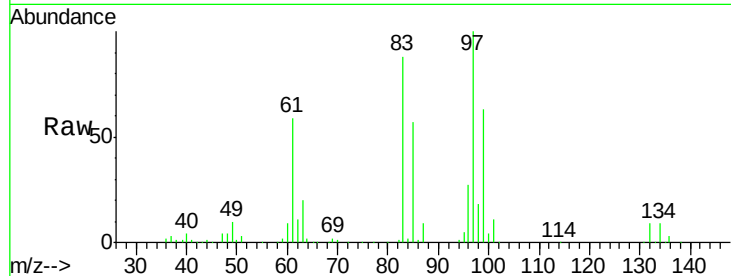
VX0306WBSD01

Tot Ion: 97 Resp: 58772

Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.1	103.7
85	56.6	44.3	66.5
99	63.4	49.8	74.8

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3/7/2019 10:35:39 AM



#56

Ethyl methacrylate

Concen: 20.443 ug/l

RT: 9.18 min Scan# 1316

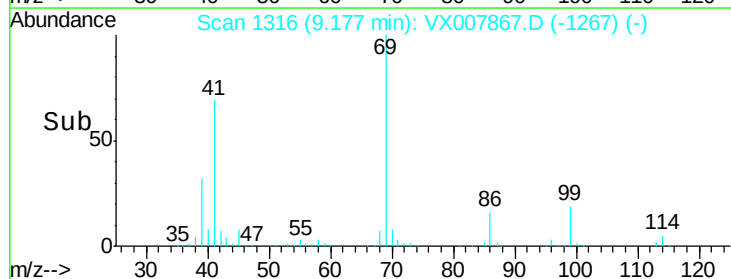
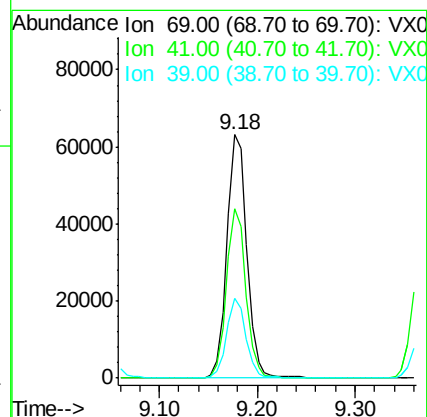
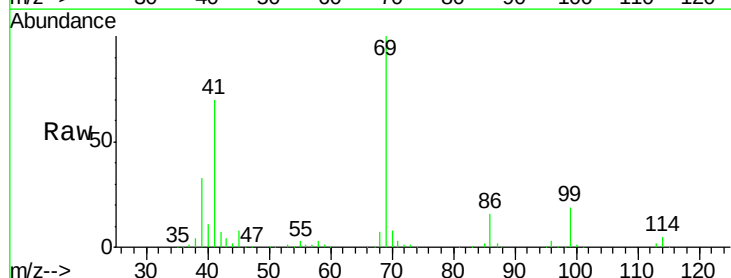
Delta R.T. 0.00 min

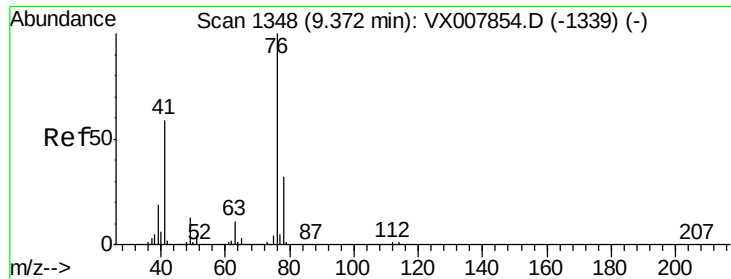
Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Tgt Ion: 69 Resp: 89522

Ion	Ratio	Lower	Upper
69	100		
41	68.8	54.2	81.4
39	31.4	25.0	37.4





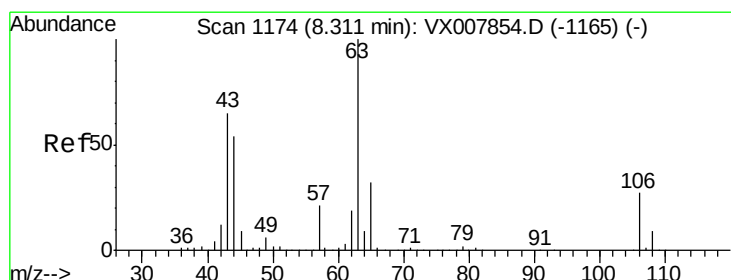
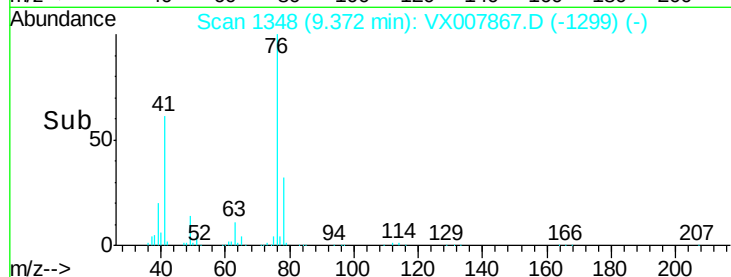
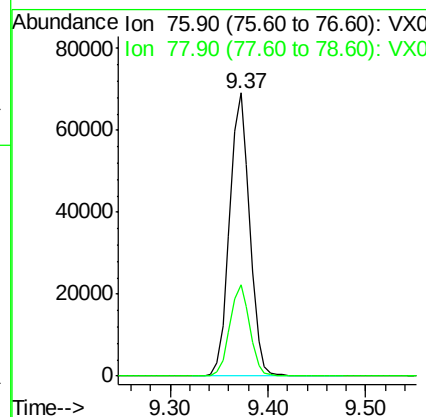
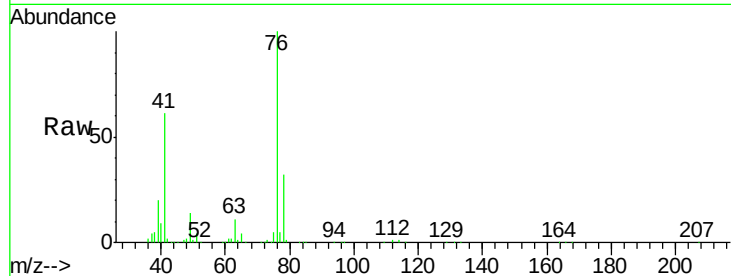
#57
 1,3-Dichloropropane
 Concen: 20.143 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007867.D
 Acq: 06 Mar 2019 18:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBSD01

Tot Ion: 76 Resp: 98644
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3

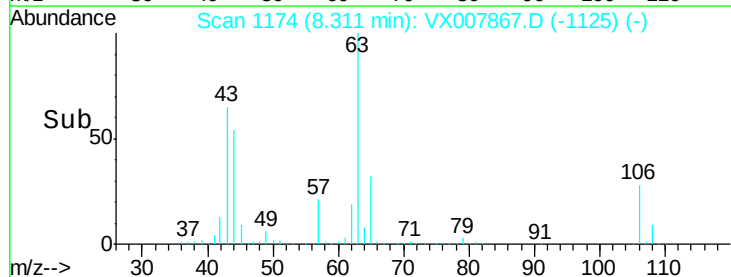
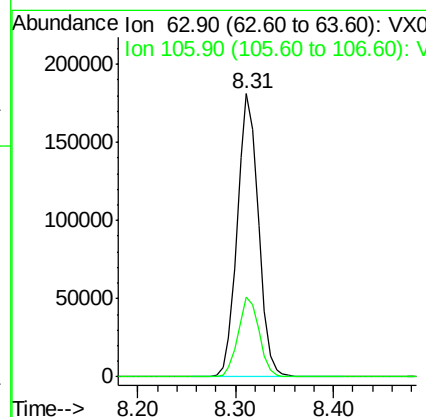
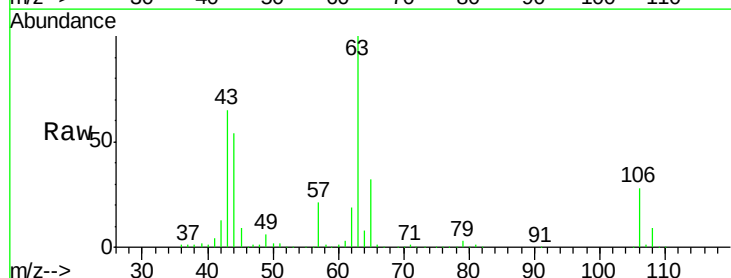
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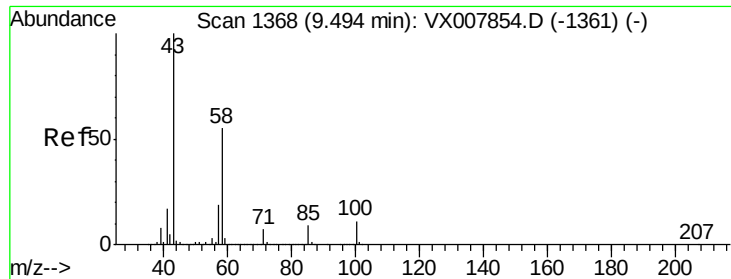
MMDadoda
 3/7/2019 10:35:39 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 119.890 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007867.D
 Acq: 06 Mar 2019 18:27

Tgt Ion: 63 Resp: 271577
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.2 33.2





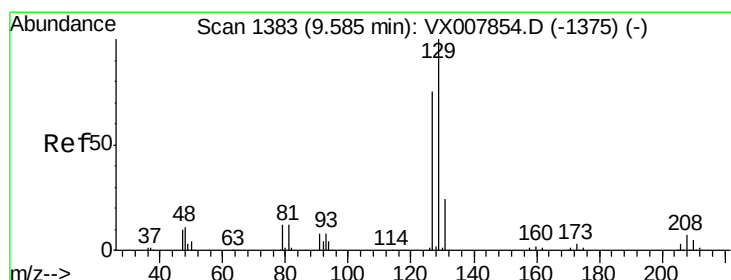
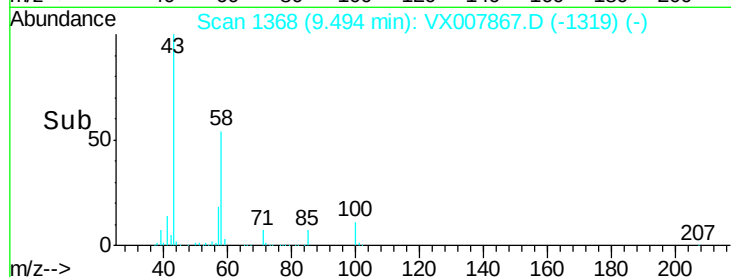
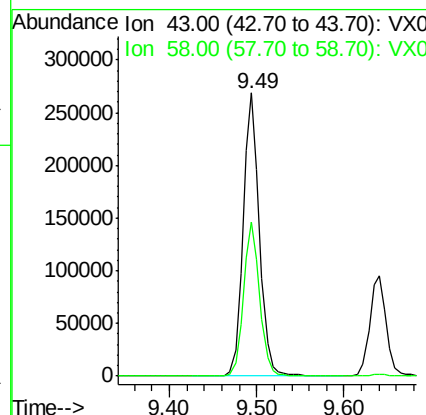
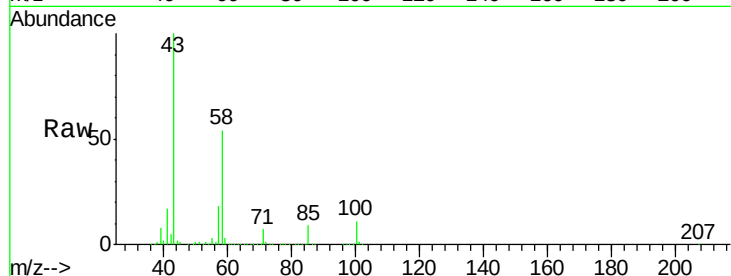
#59
2-Hexanone
Concen: 100.549 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBSD01

Tot Ion: 43 Resp: 349506
Ion Ratio Lower Upper
43 100
58 54.3 27.6 82.7

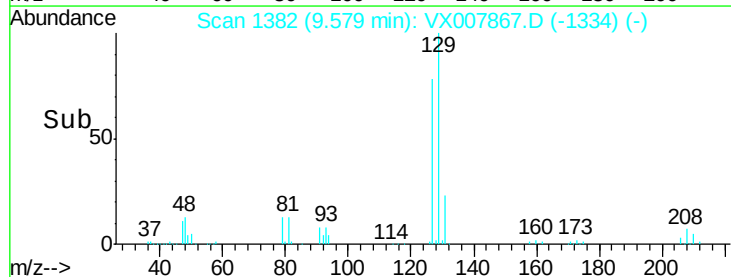
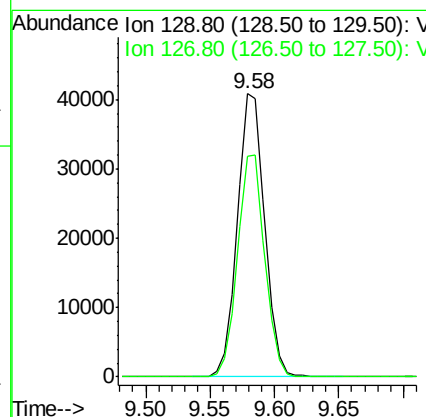
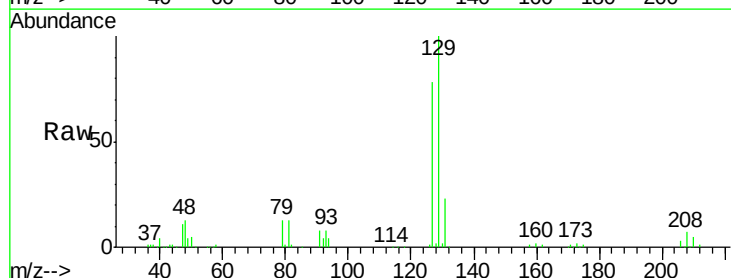
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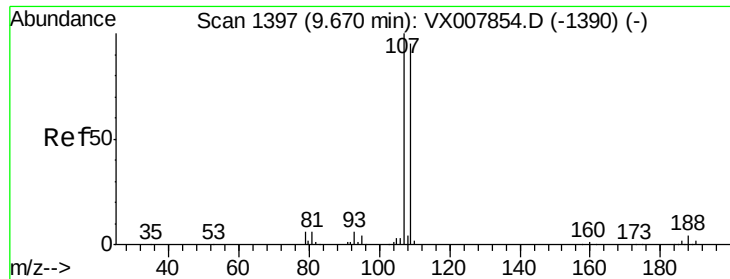
MMDadoda
3/7/2019 10:35:39 AM



#60
Dibromochloromethane
Concen: 19.783 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Tgt Ion: 129 Resp: 60308
Ion Ratio Lower Upper
129 100
127 78.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.197 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBSD01

Tot Ion:107 Resp: 62542

Ion Ratio Lower Upper

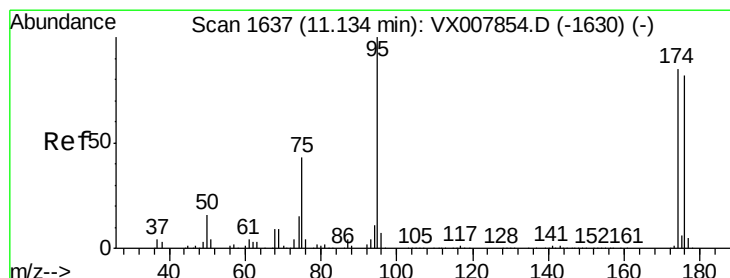
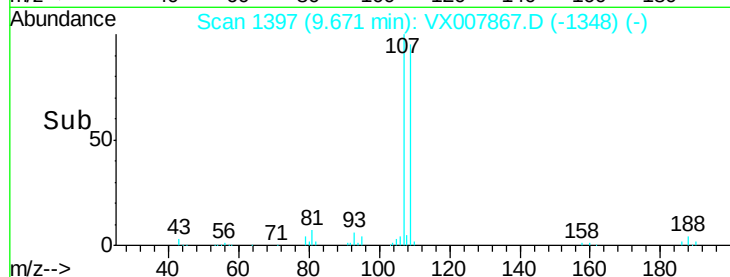
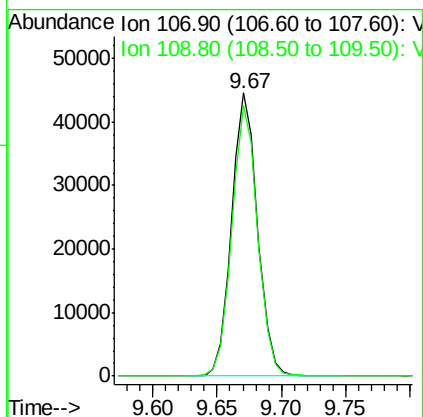
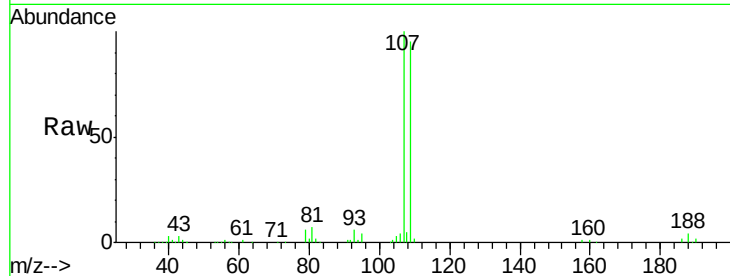
107 100

109 95.3 75.8 113.8

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3/7/2019 10:35:39 AM



#62

4-Bromofluorobenzene

Concen: 50.704 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

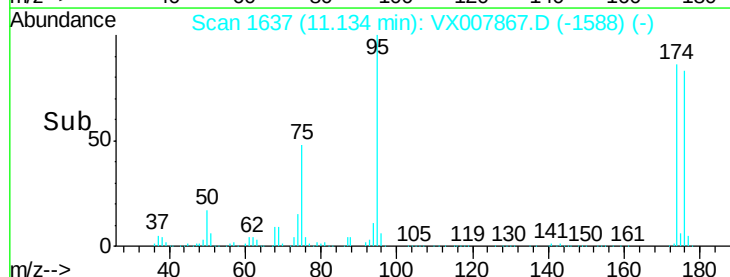
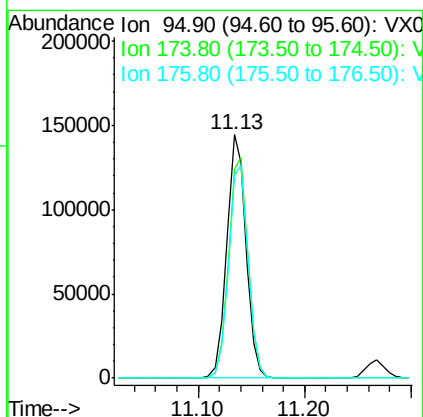
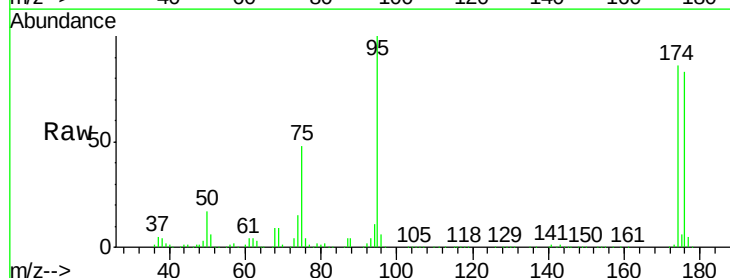
Tgt Ion: 95 Resp: 182824

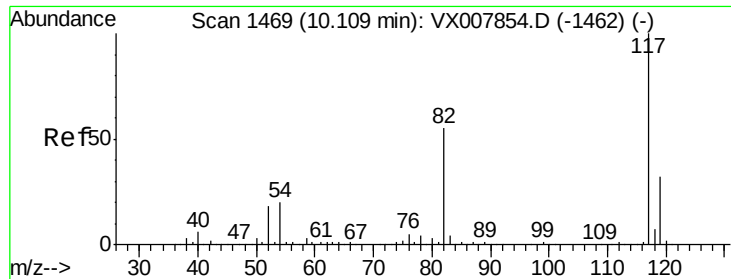
Ion Ratio Lower Upper

95 100

174 92.2 0.0 182.8

176 89.4 0.0 178.0





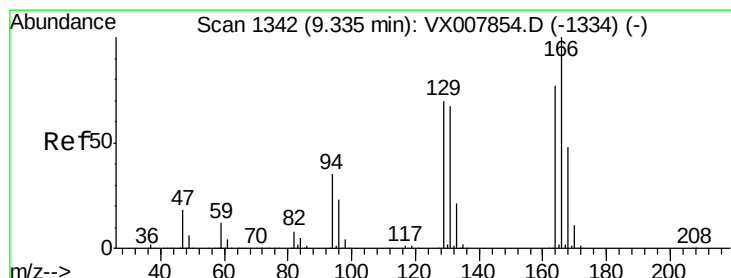
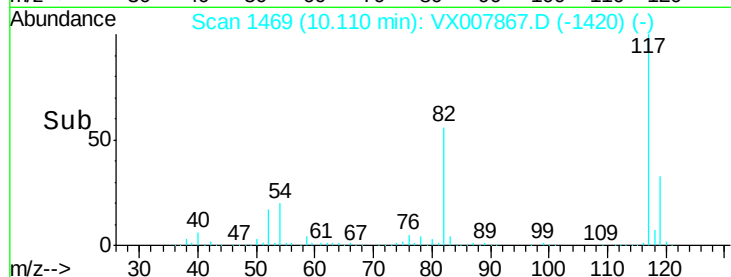
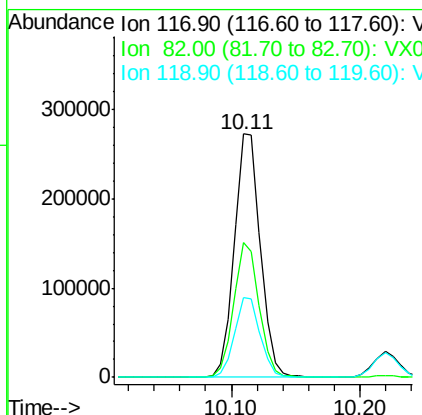
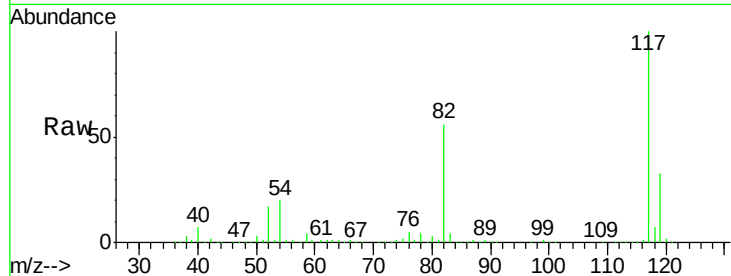
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Instrument :
MSVOA_X
ClientSampled :
VX0306WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.3	66.5
119	32.6	25.3	37.9

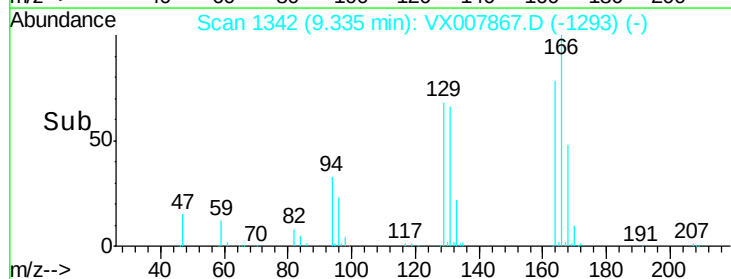
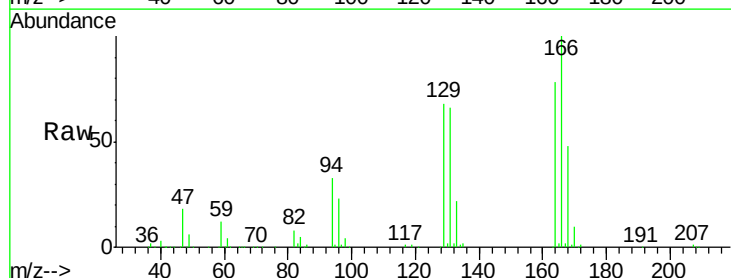
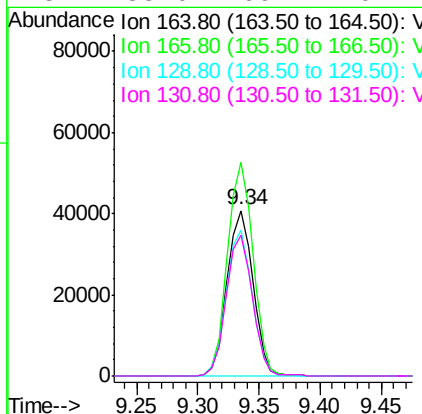
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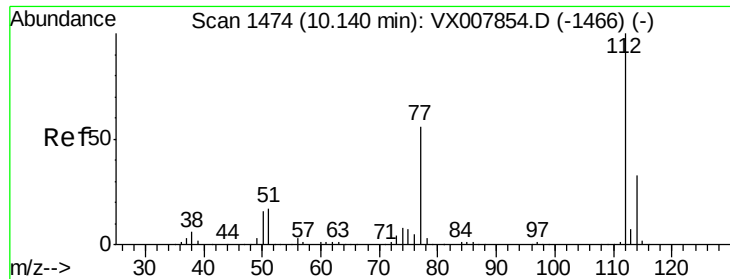
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#64
Tetrachloroethene
Concen: 18.847 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	103.4	155.0
129	88.2	72.2	108.4
131	85.0	69.4	104.2





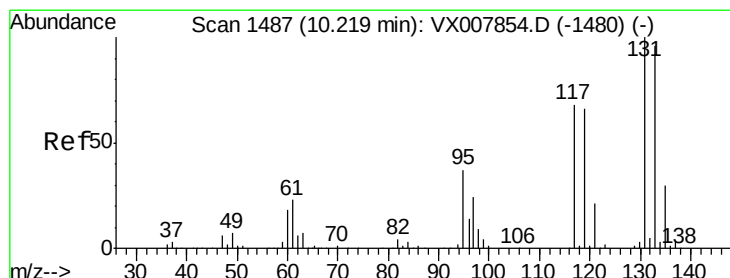
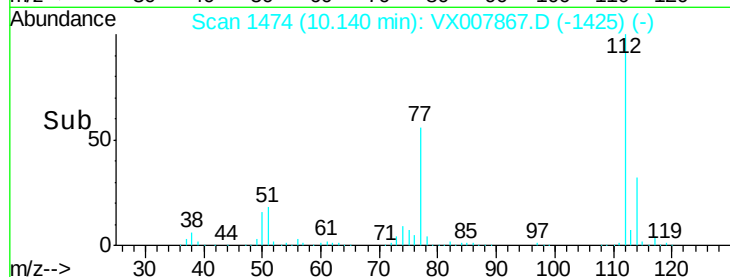
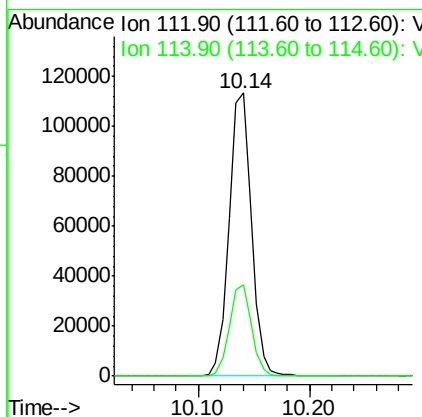
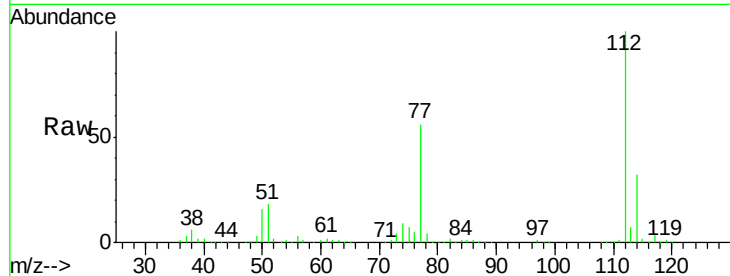
#65
Chlorobenzene
Concen: 19.616 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBSD01

Tot Ion:112 Resp: 157360
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0

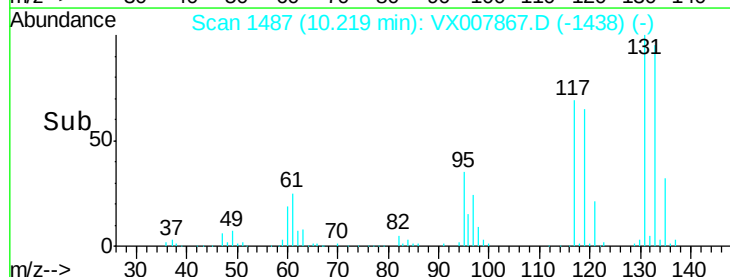
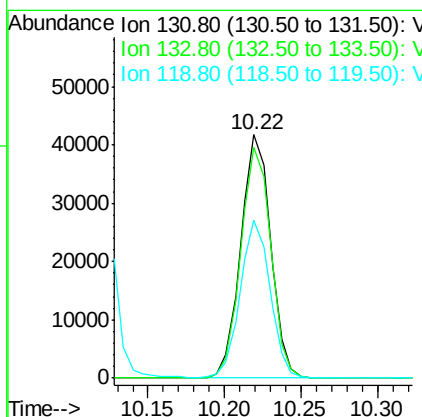
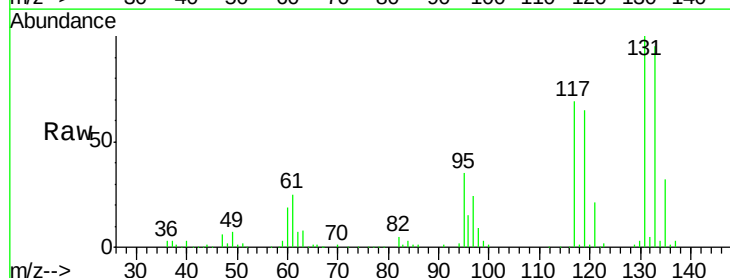
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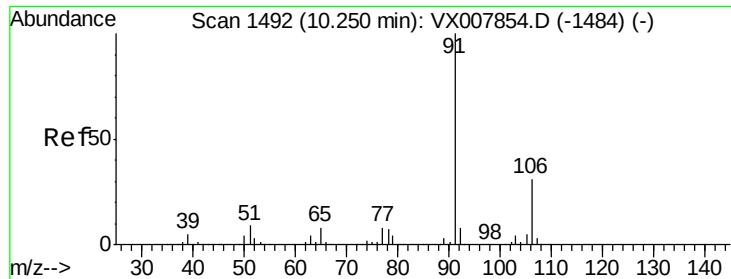
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.732 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Tgt Ion:131 Resp: 56732
Ion Ratio Lower Upper
131 100
133 95.2 47.8 143.3
119 65.0 32.5 97.5





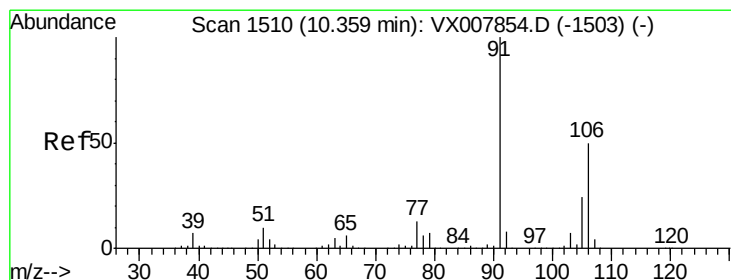
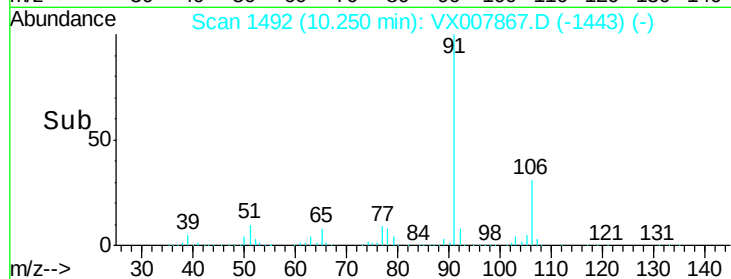
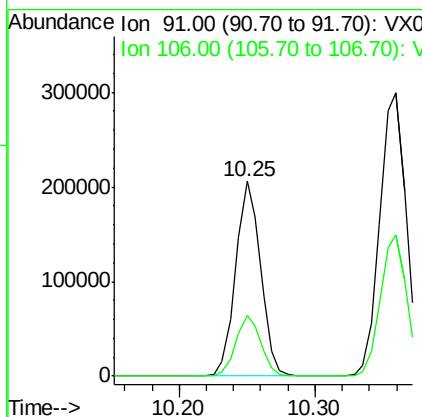
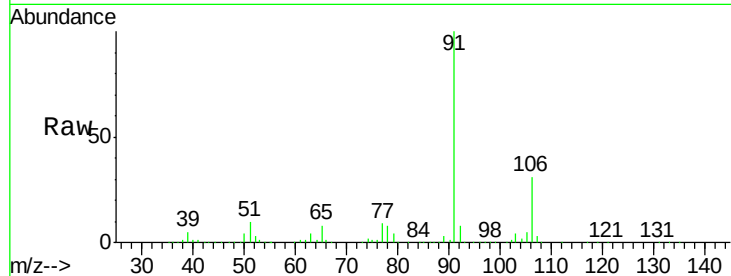
#67
Ethyl Benzene
Concen: 19.932 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBSD01

Tot Ion: 91 Resp: 263205
Ion Ratio Lower Upper
91 100
106 31.0 25.2 37.8

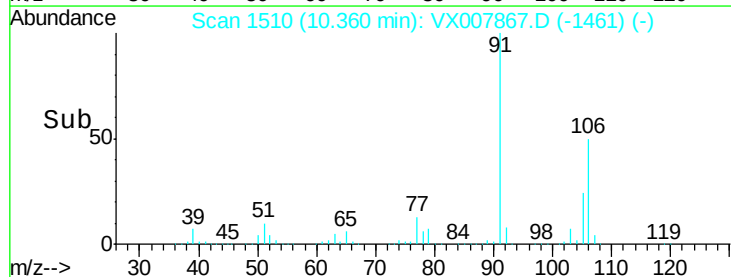
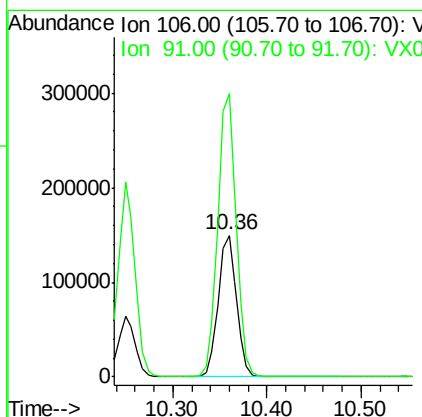
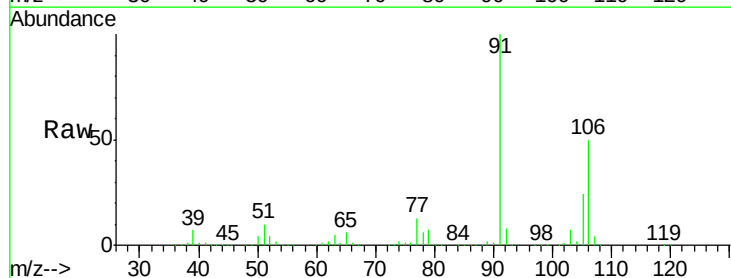
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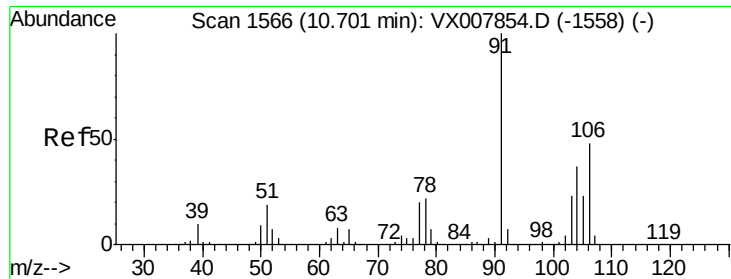
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#68
m/p-Xylenes
Concen: 39.650 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Tgt Ion: 106 Resp: 201816
Ion Ratio Lower Upper
106 100
91 201.0 159.8 239.6





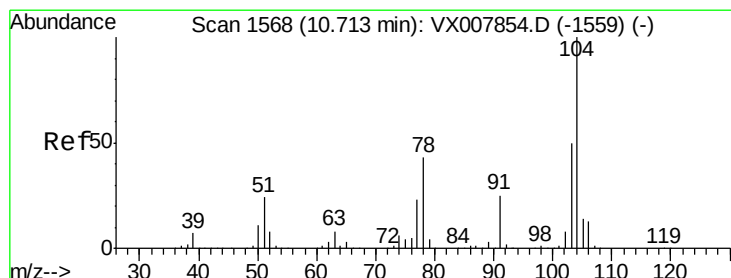
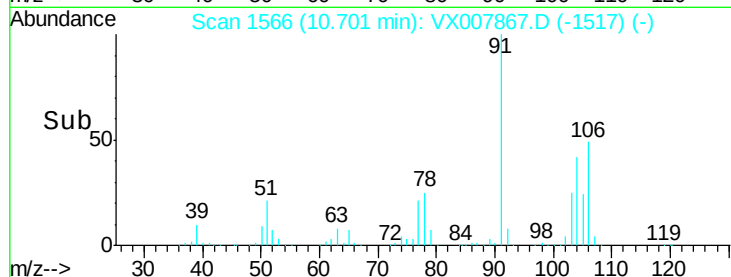
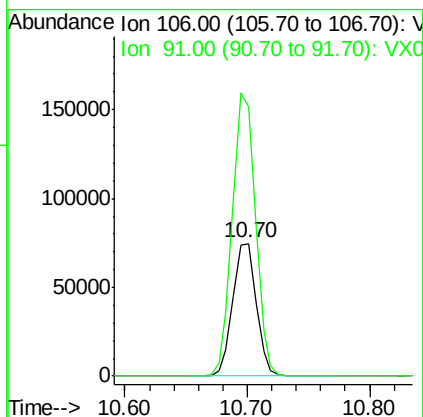
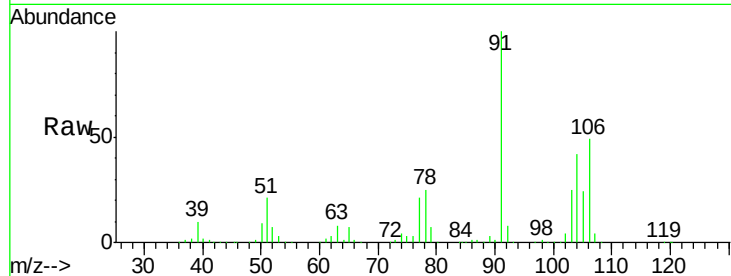
#69
o-Xylene
Concen: 20.165 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Instrument :
MSVOA_X
ClientSampled :
VX0306WBSD01

Tot Ion:106 Resp: 99090
Ion Ratio Lower Upper
106 100
91 211.4 106.3 318.9

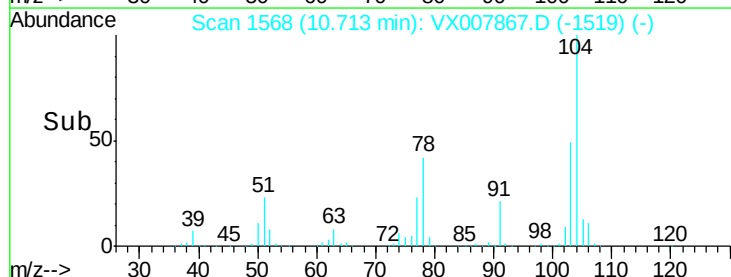
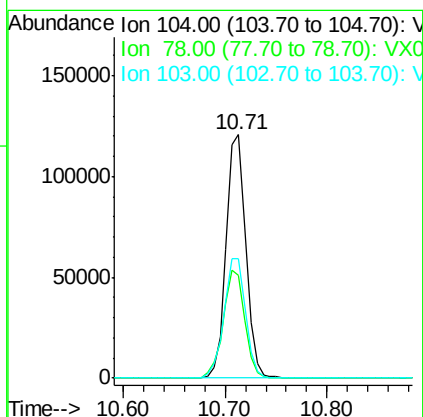
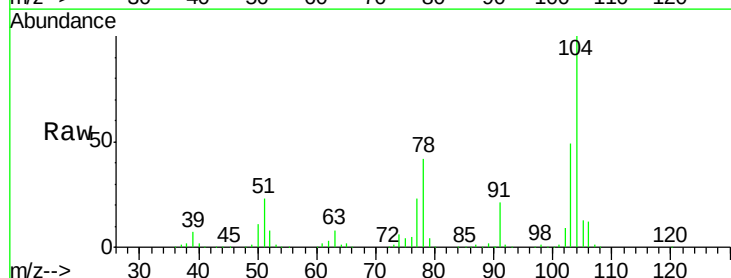
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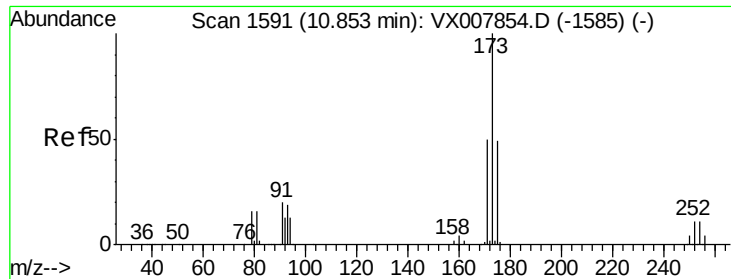
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#70
Styrene
Concen: 20.116 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007867.D
Acq: 06 Mar 2019 18:27

Tgt Ion:104 Resp: 161759
Ion Ratio Lower Upper
104 100
78 48.7 38.5 57.7
103 54.2 44.1 66.1





#71

Bromoform

Concen: 18.929 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBSD01

Tot Ion:173 Resp: 46737

Ion Ratio Lower Upper

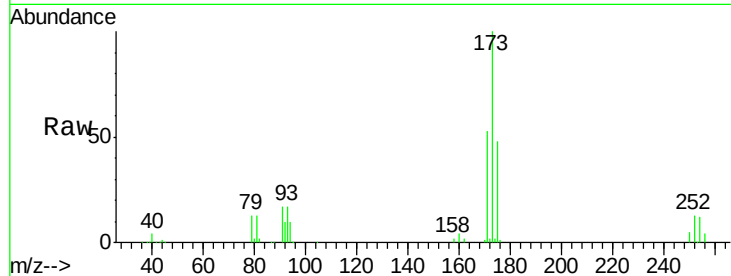
173 100

175 48.2 24.3 72.9

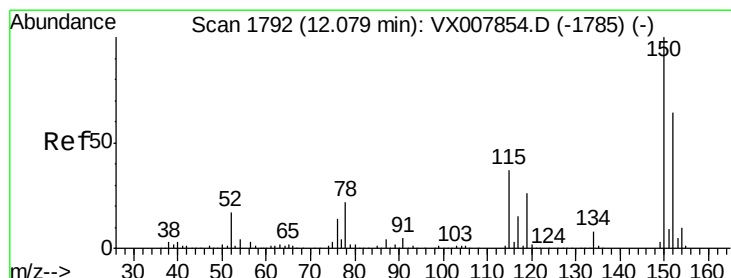
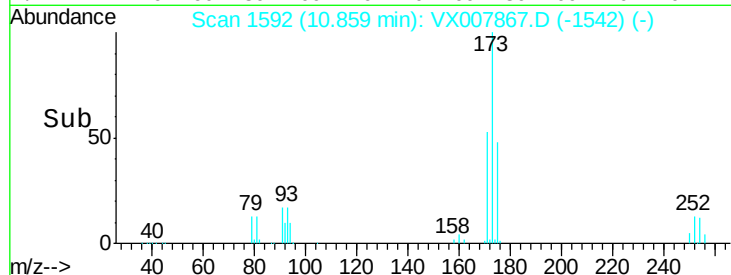
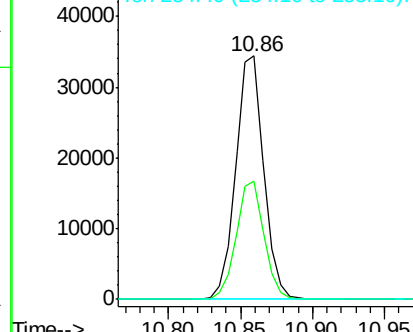
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

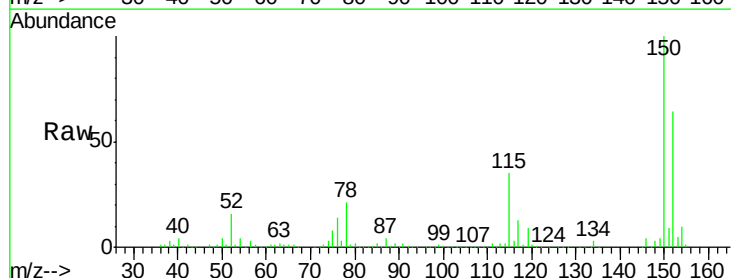
Tgt Ion:152 Resp: 189527

Ion Ratio Lower Upper

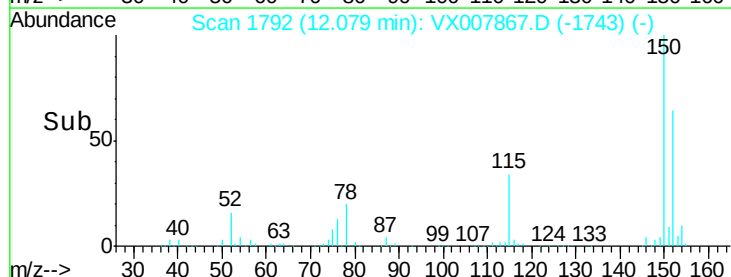
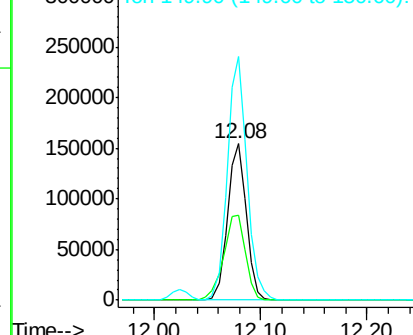
152 100

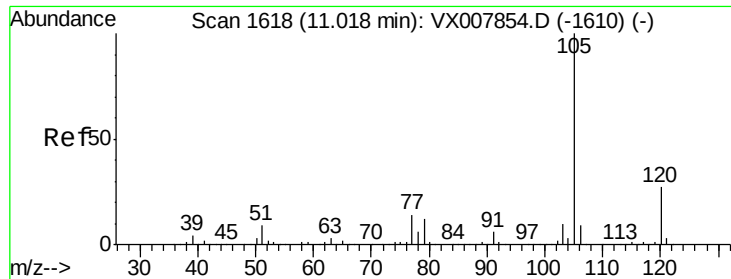
115 63.5 38.6 115.7

150 162.6 0.0 348.4



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





#73

Isopropylbenzene

Concen: 20.422 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBSD01

Tot Ion: 105 Resp: 261772

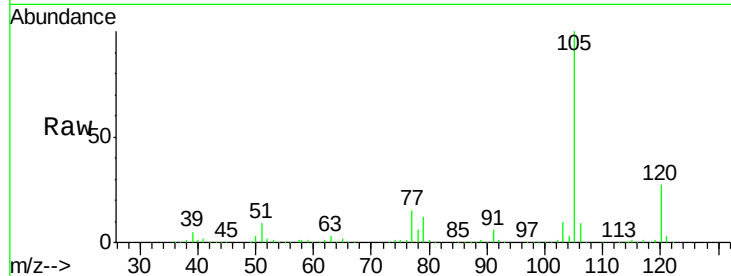
Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.1

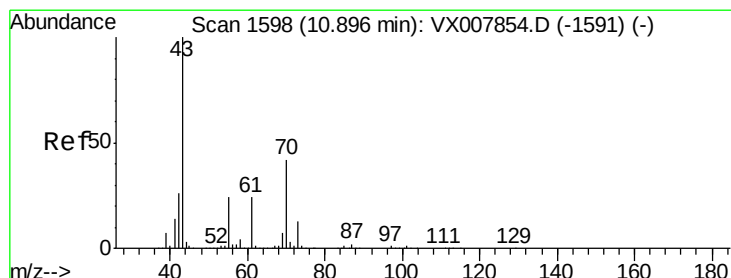
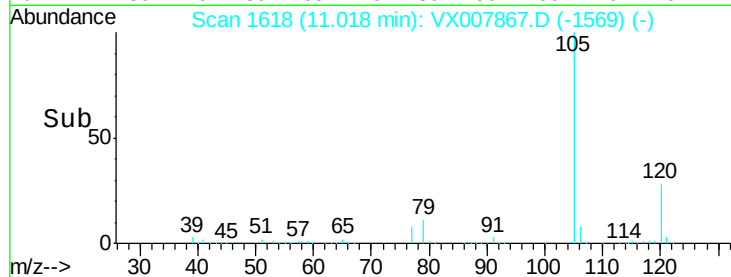
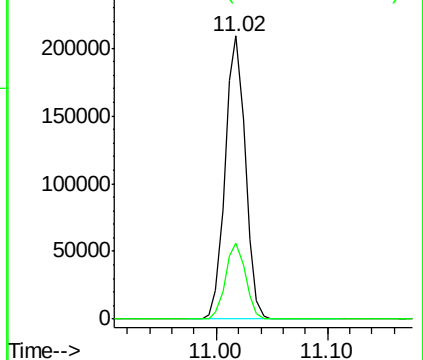
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.239 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Tgt Ion: 43 Resp: 118434

Ion Ratio Lower Upper

43 100

70 42.2 33.5 50.3

55 25.3 19.2 28.8

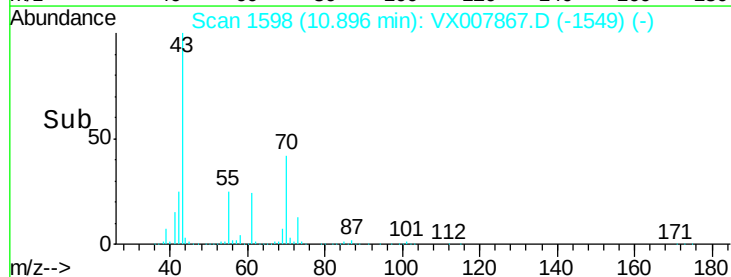
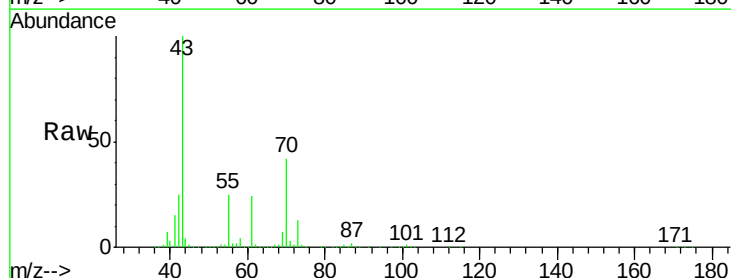
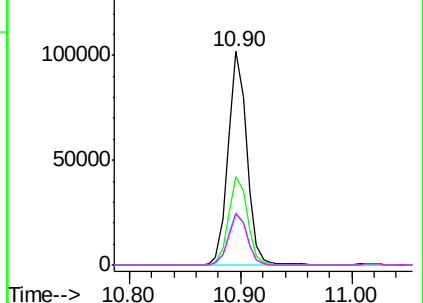
61 24.0 19.0 28.6

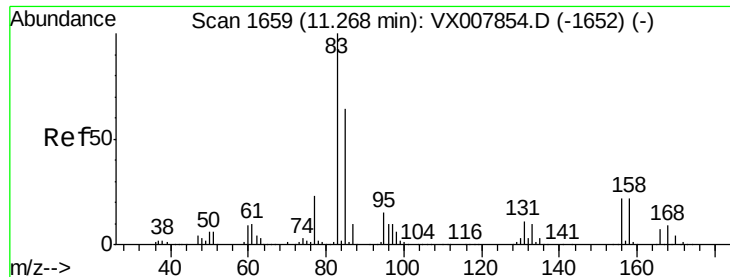
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.295 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

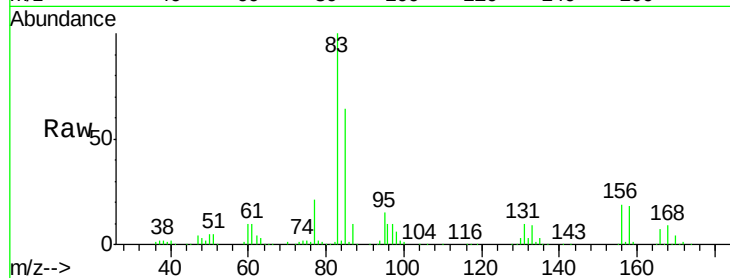
ClientSampleId :

VX0306WBSD01

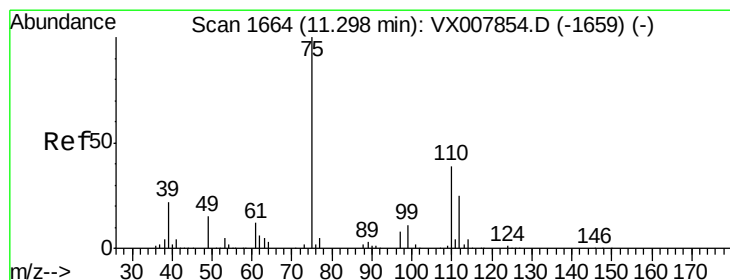
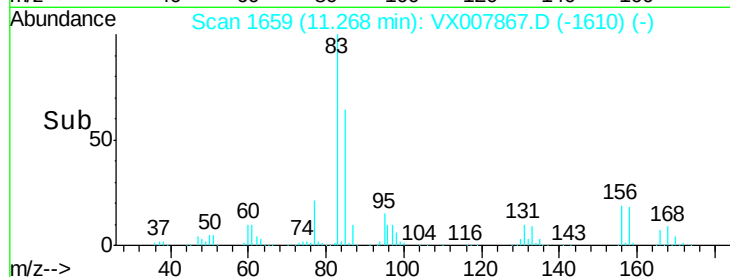
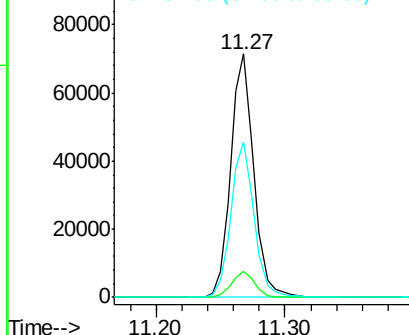
Tot Ion:	83	Resp:	89734
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.4	16.2
85	64.1	32.3	96.8

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



#76

1,2,3-Trichloropropane

Concen: 18.479 ug/l m

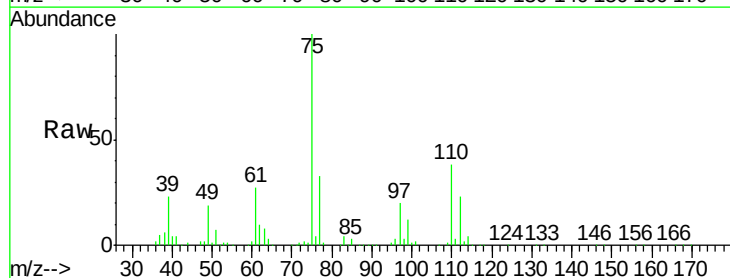
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

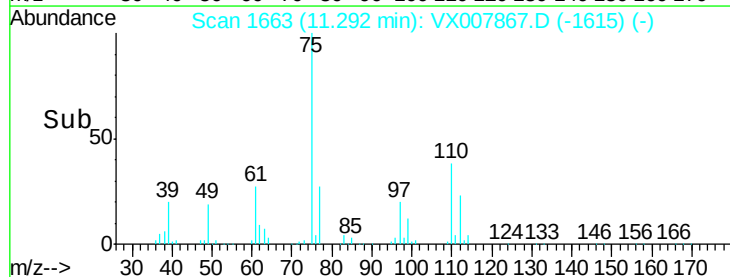
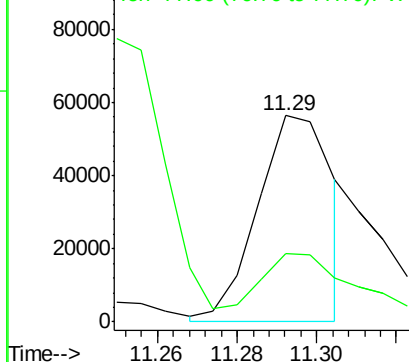
Lab File: VX007867.D

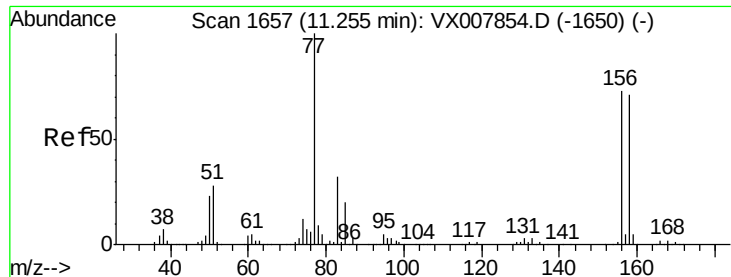
Acq: 06 Mar 2019 18:27

Tgt Ion:	75	Resp:	73492
Ion Ratio	Lower	Upper	
75	100		
77	43.9	18.9	56.7



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





#77

Bromobenzene

Concen: 19.943 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

ClientSampled :

VX0306WBSD01

Tot Ion:156 Resp: 70084

Ion Ratio Lower Upper

156 100

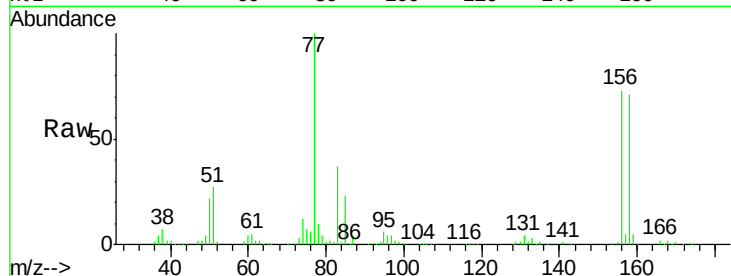
77 146.3 72.0 215.9

158 96.8 48.6 145.9

Manual Integrations
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MMDadoda

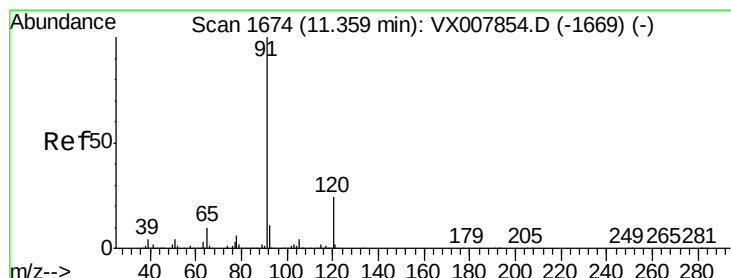
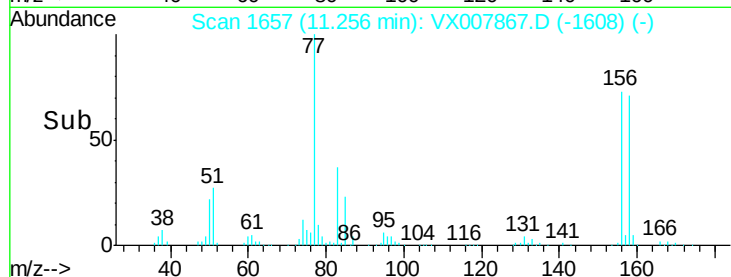
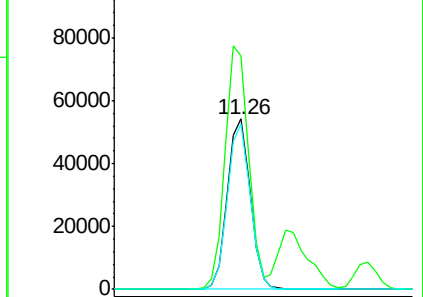
3/7/2019 10:35:39 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.422 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007867.D

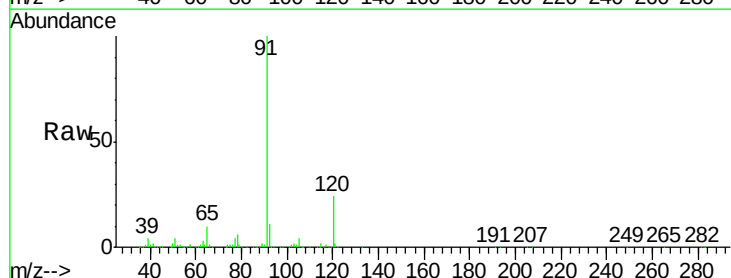
Acq: 06 Mar 2019 18:27

Tgt Ion: 91 Resp: 290401

Ion Ratio Lower Upper

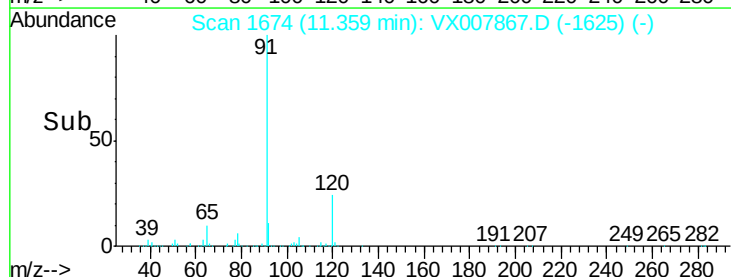
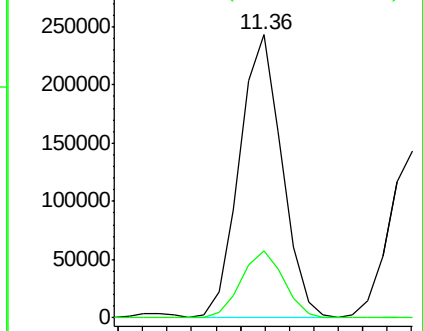
91 100

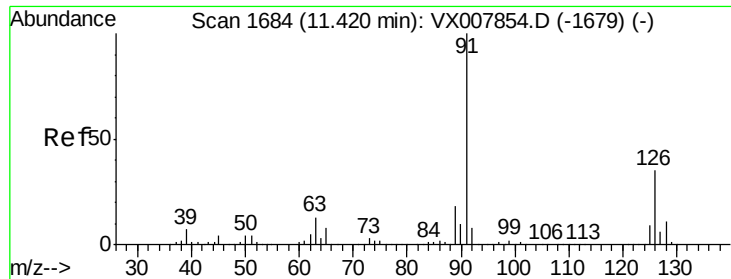
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





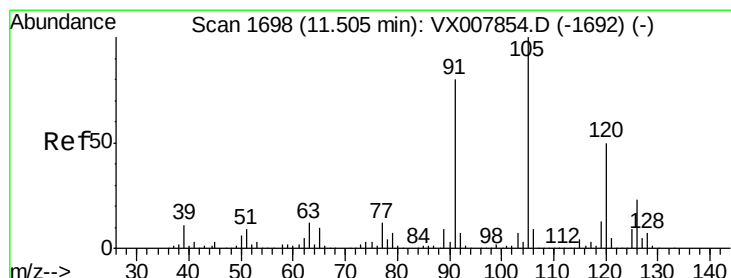
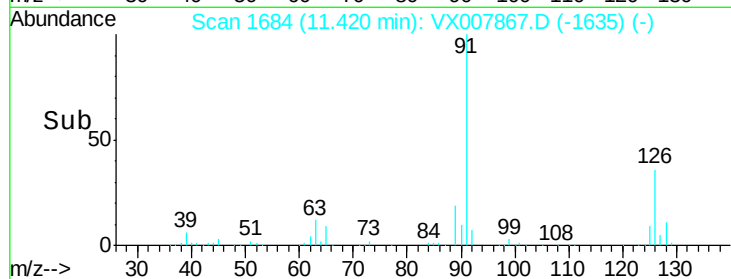
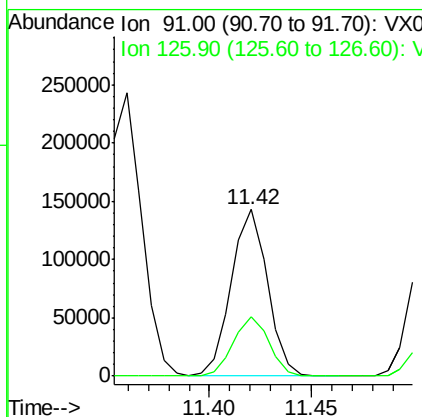
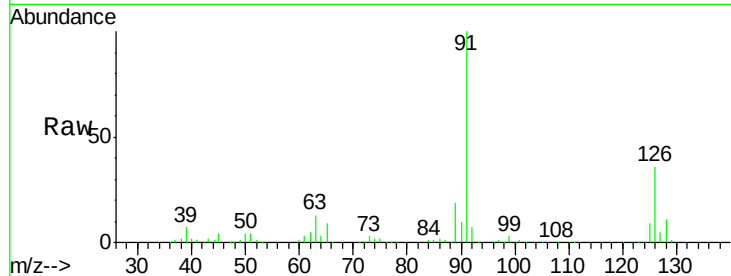
#79
 2-Chlorotoluene
 Concen: 20.157 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX007867.D
 Acq: 06 Mar 2019 18:27

Instrument :
 MSVOA_X
 ClientSampled :
 VX0306WBSD01

Tot Ion: 91 Resp: 175251
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.5 52.6

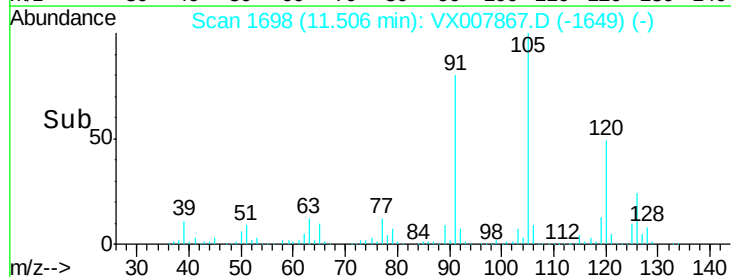
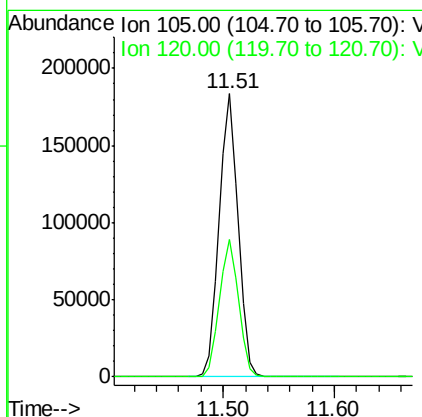
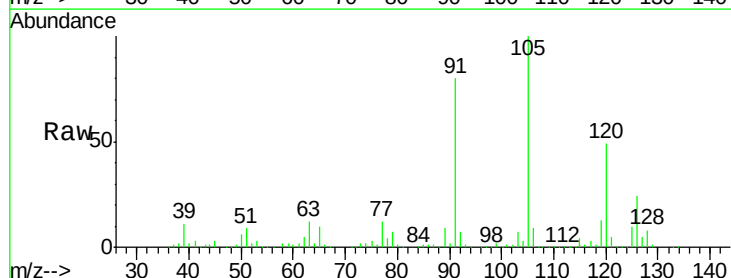
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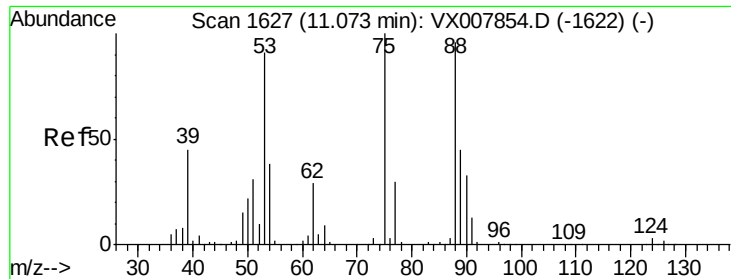
MMDadoda
 3/7/2019 10:35:39 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.547 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007867.D
 Acq: 06 Mar 2019 18:27

Tgt Ion: 105 Resp: 216774
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.420 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBSD01

Tot Ion: 75 Resp: 22918

Ion Ratio Lower Upper

75 100

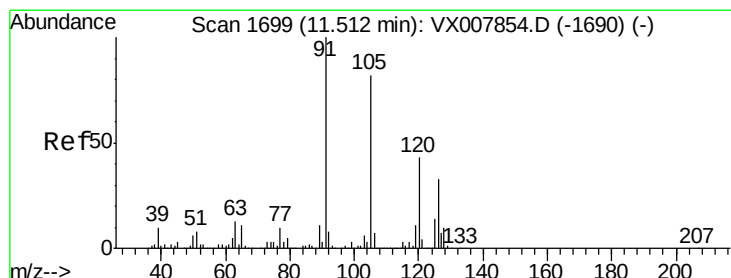
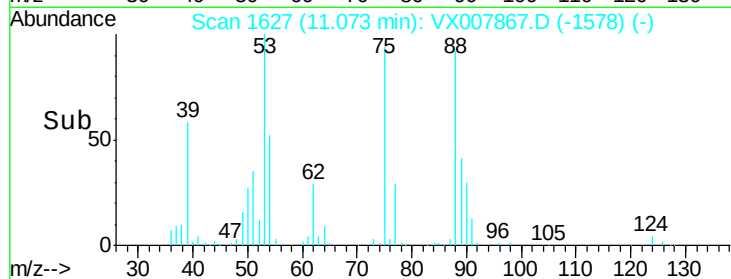
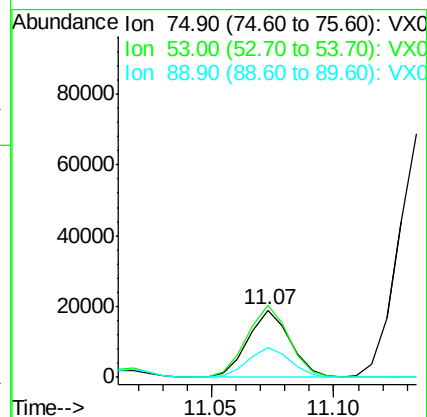
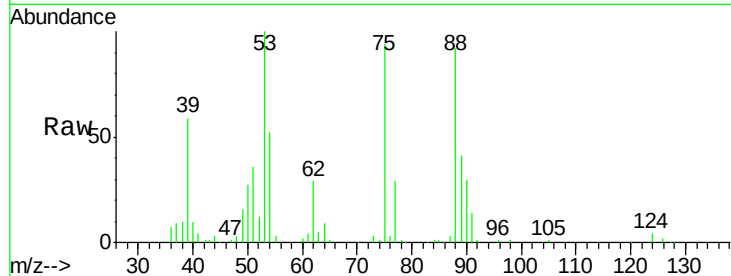
53 108.0 76.1 114.1

89 44.4 36.3 54.5

Manual Integrations
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3/7/2019 10:35:39 AM



#82

4-Chlorotoluene

Concen: 19.959 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007867.D

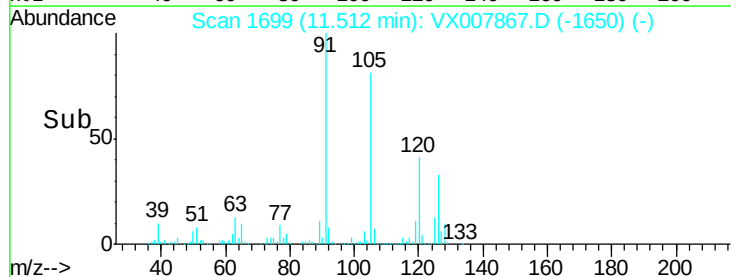
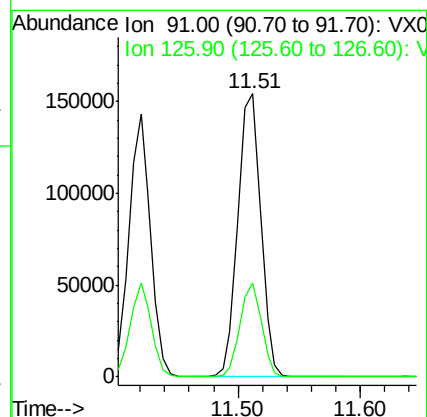
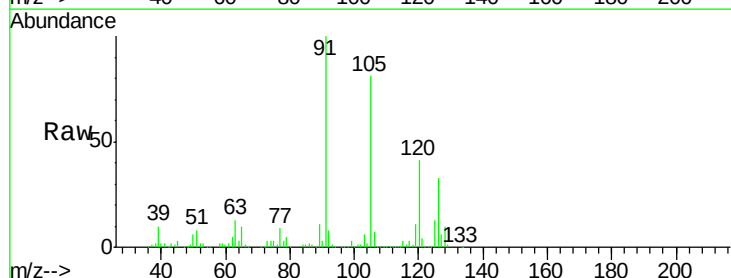
Acq: 06 Mar 2019 18:27

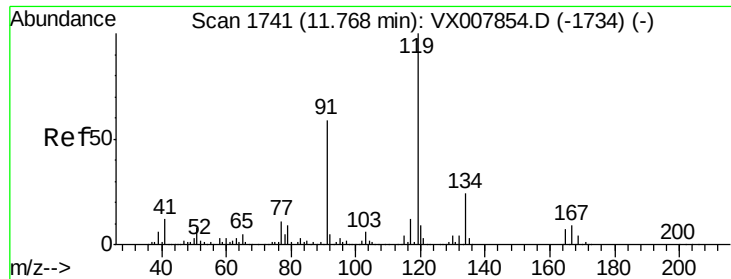
Tgt Ion: 91 Resp: 198870

Ion Ratio Lower Upper

91 100

126 31.3 15.6 46.8





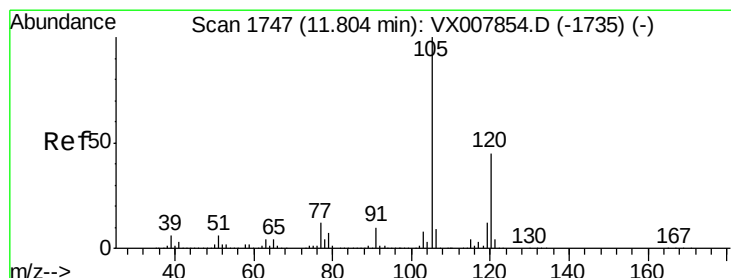
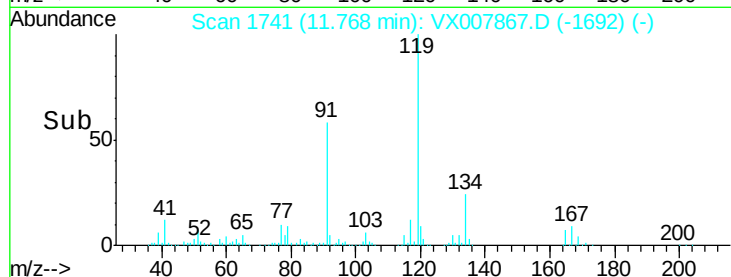
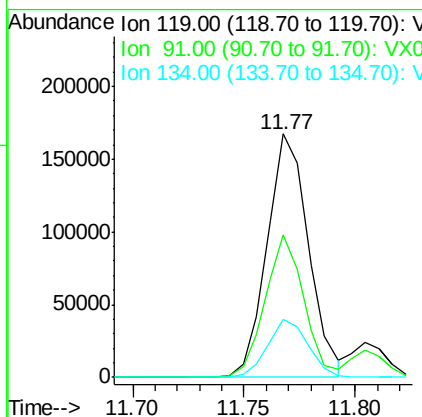
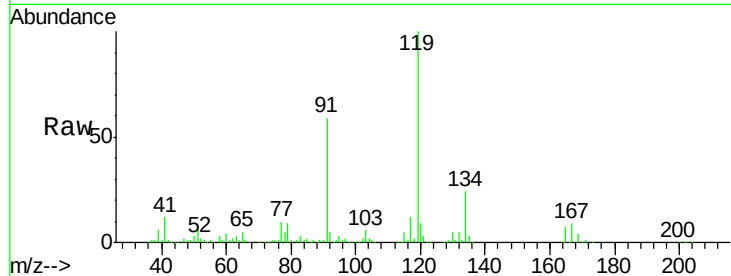
#83
 tert-Butylbenzene
 Concen: 20.335 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007867.D
 Acq: 06 Mar 2019 18:27

Instrument :
 MSVOA_X
 ClientSampled :
 VX0306WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	216100		
91	55.0	27.1	81.3	
134	23.3	11.4	34.1	

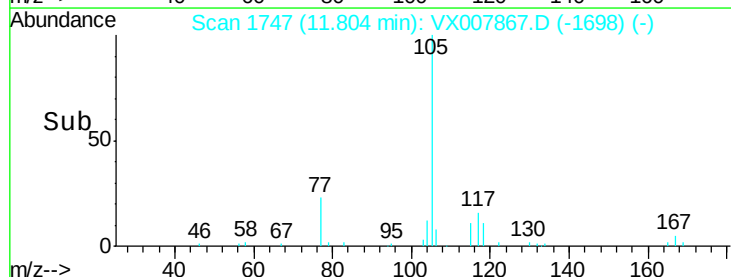
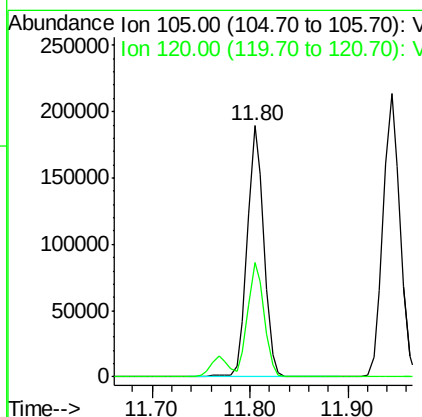
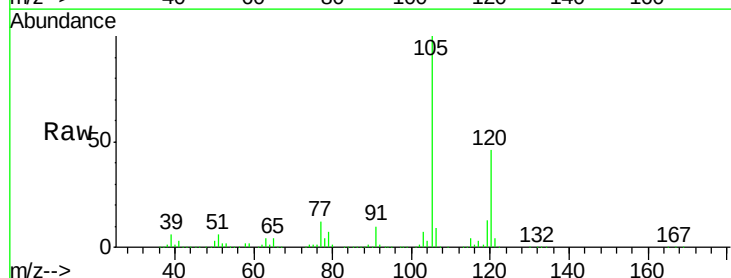
Manual Integrations
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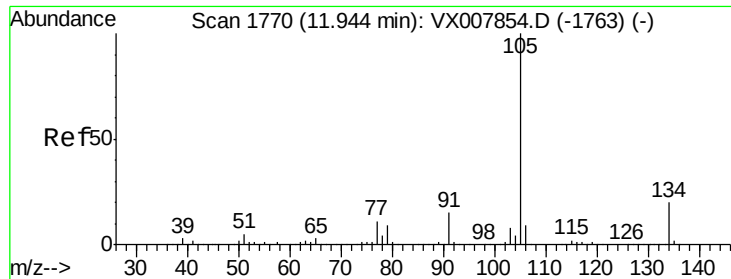
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.594 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007867.D
 Acq: 06 Mar 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	222727		
120	45.2	22.6	67.7	





#85

sec-Butylbenzene

Concen: 20.473 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBSD01

Tot Ion:105 Resp: 256232

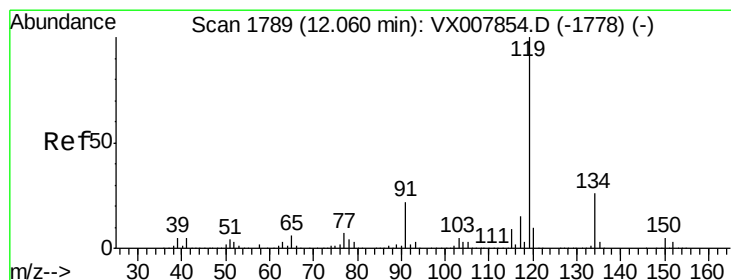
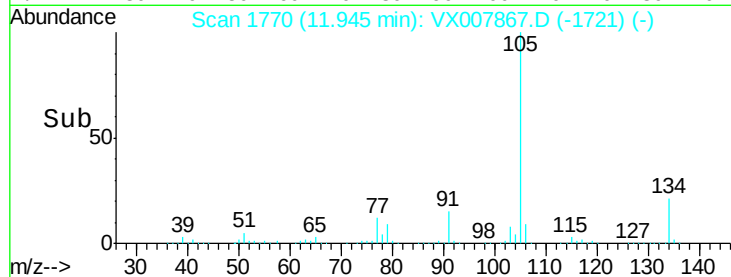
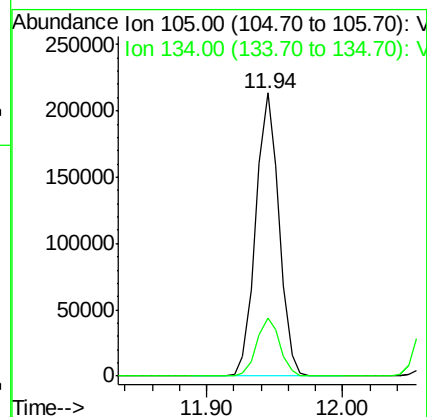
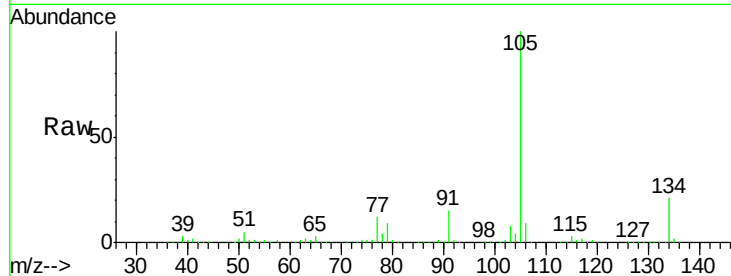
Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.2

Manual Integrations
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3/7/2019 10:35:39 AM



#86

p-Isopropyltoluene

Concen: 20.545 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

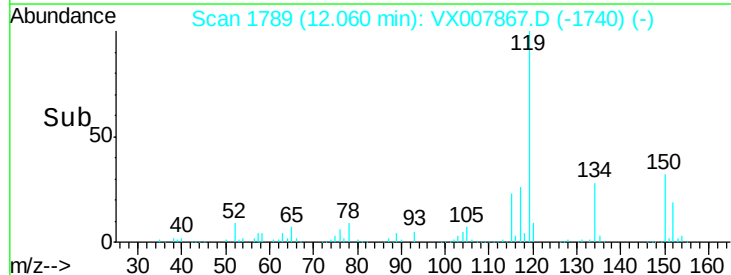
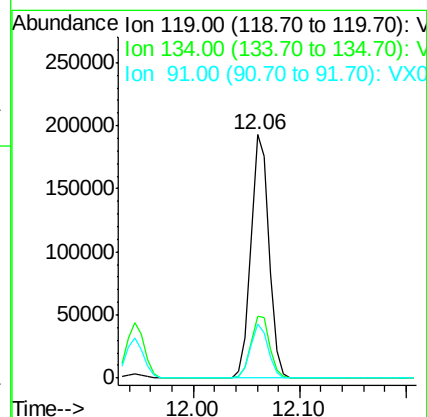
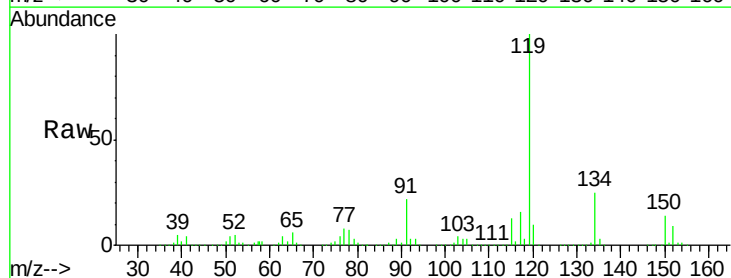
Tgt Ion:119 Resp: 230285

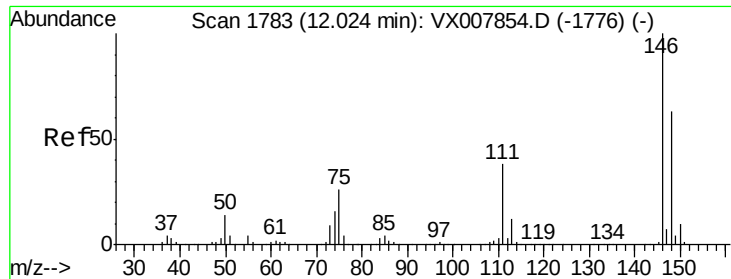
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 22.0 10.9 32.7





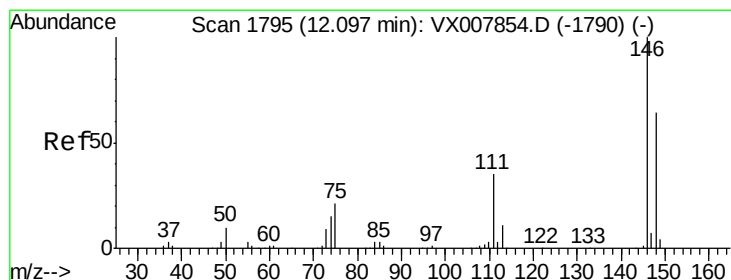
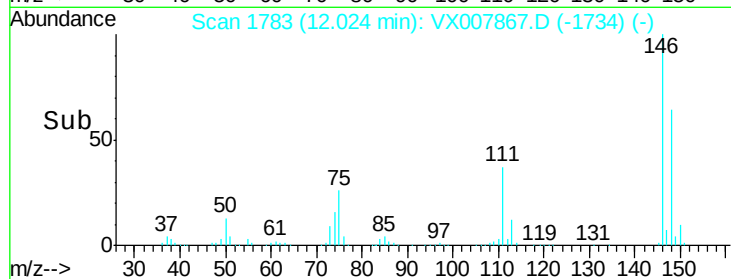
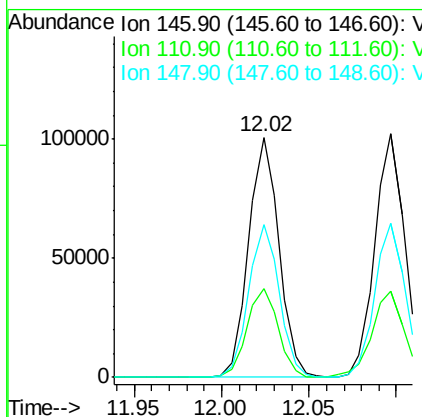
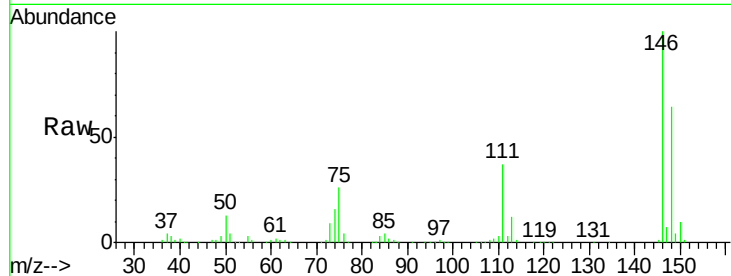
#87
 1,3-Dichlorobenzene
 Concen: 19.556 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007867.D
 Acq: 06 Mar 2019 18:27

Instrument :
 MSVOA_X
 ClientSampled :
 VX0306WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.7
148	64.2	31.7	95.1

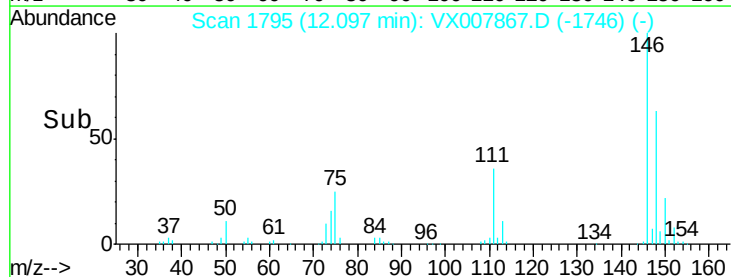
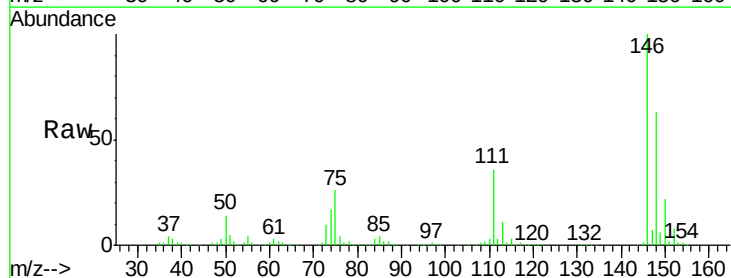
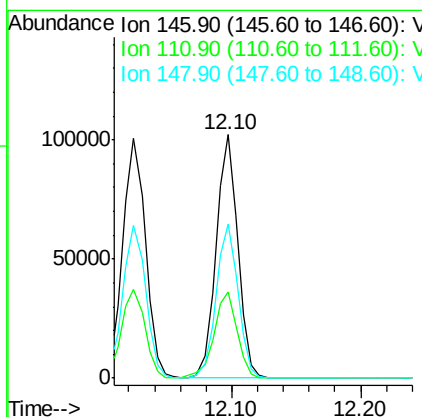
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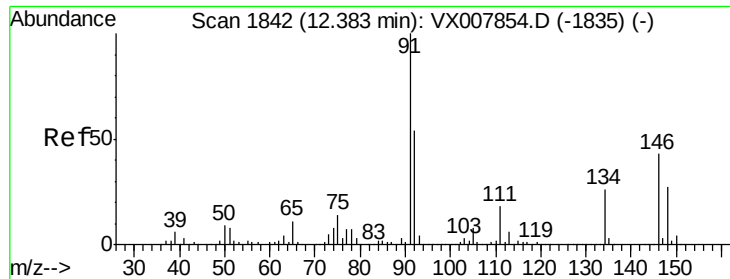
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 3/7/2019 10:35:39 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.094 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007867.D
 Acq: 06 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.4	55.0
148	64.5	32.2	96.6





#89

n-Butylbenzene

Concen: 19.899 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

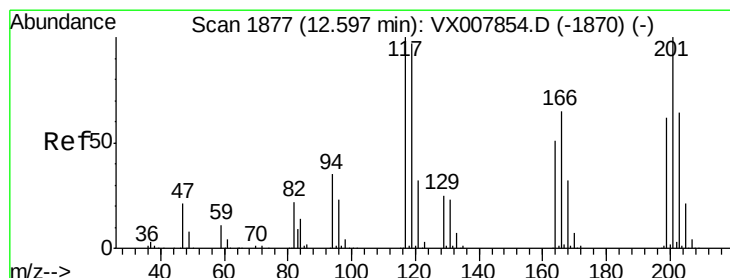
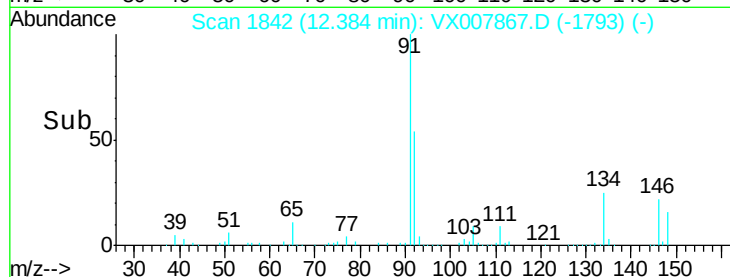
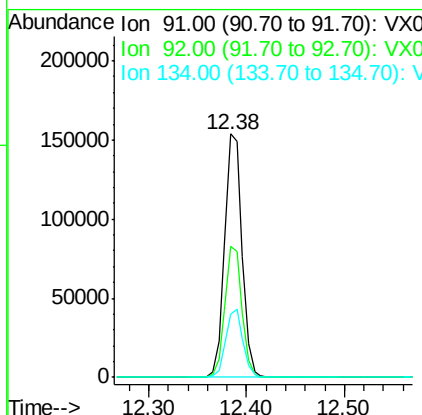
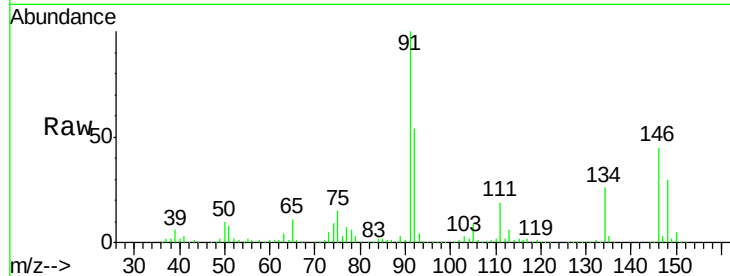
ClientSampleId :

VX0306WBSD01

Tot Ion:	91	Resp:	188970
Ion Ratio	Lower	Upper	
91	100		
92	52.8	27.0	80.8
134	27.5	13.7	41.0

Manual Integrations
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#90

Hexachloroethane

Concen: 19.366 ug/l

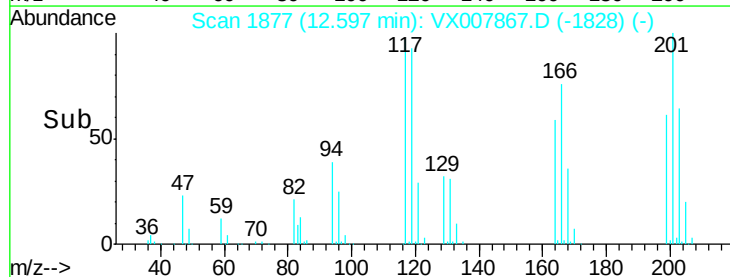
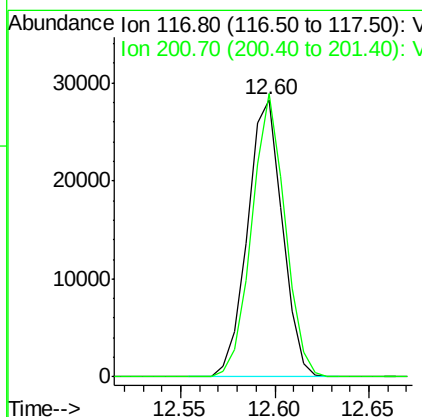
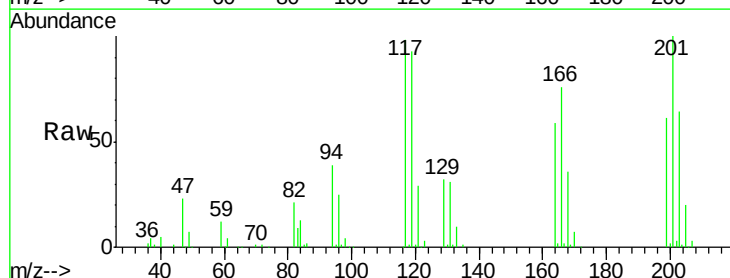
RT: 12.60 min Scan# 1877

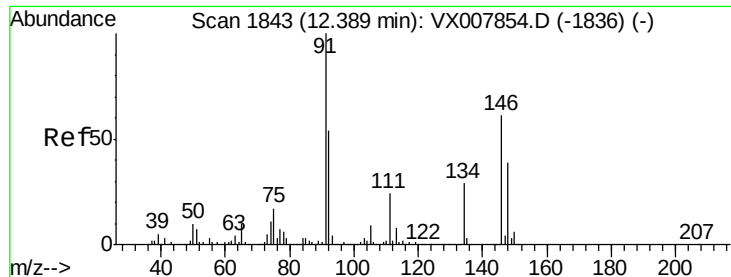
Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Tgt Ion:	117	Resp:	36293
Ion Ratio	Lower	Upper	
117	100		
201	97.2	48.9	146.7





#91

1,2-Dichlorobenzene

Concen: 19.517 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

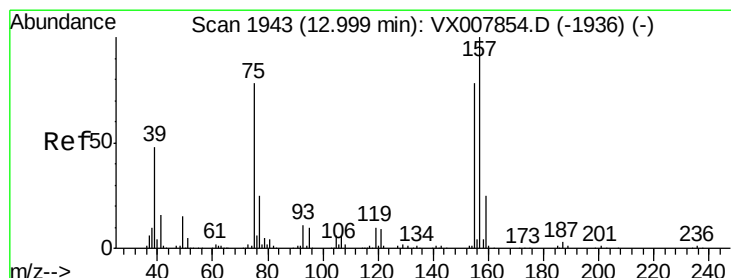
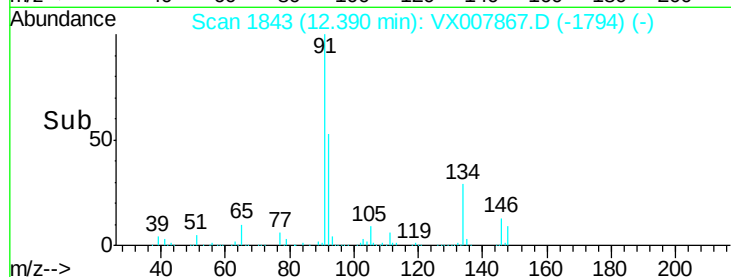
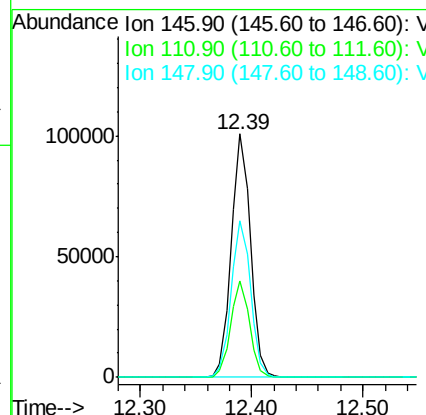
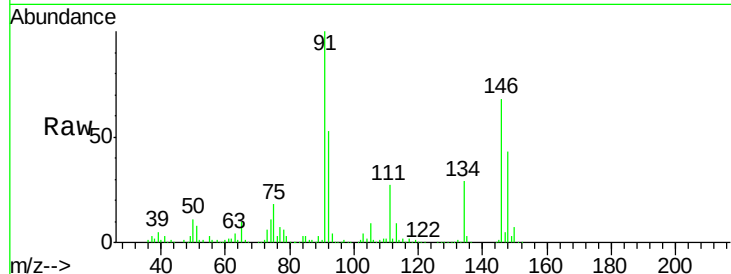
ClientSampled :

VX0306WBSD01

Tot Ion:	146	Resp:	120546
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.6	58.8
148	64.9	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.335 ug/l

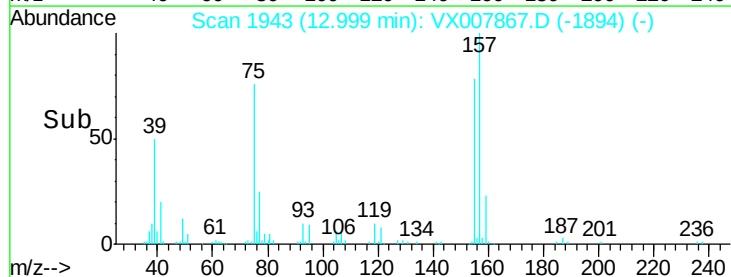
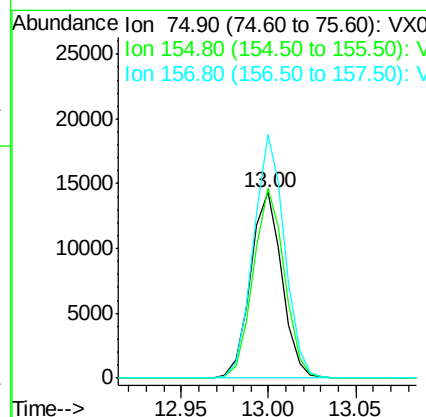
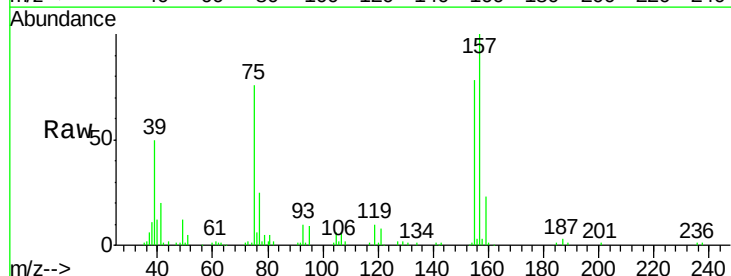
RT: 13.00 min Scan# 1943

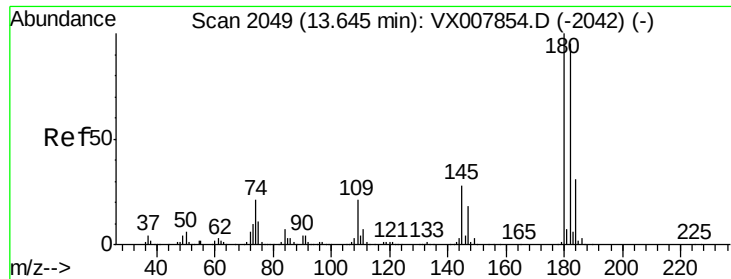
Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Tgt Ion:	75	Resp:	17866
Ion Ratio	Lower	Upper	
75	100		
155	101.5	49.7	149.1
157	130.4	63.8	191.4





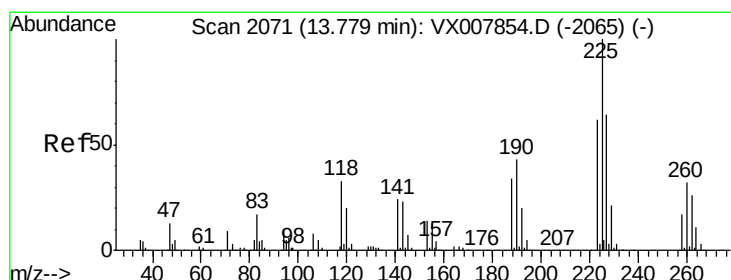
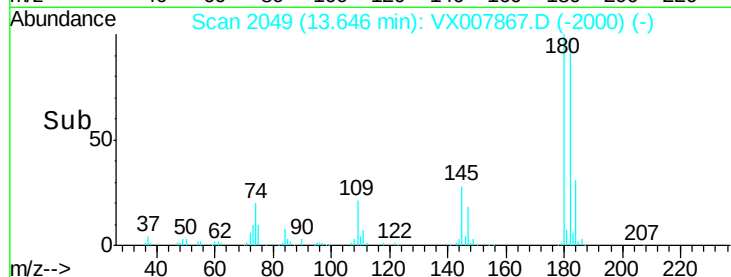
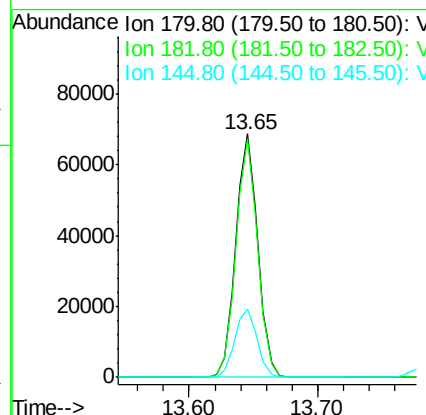
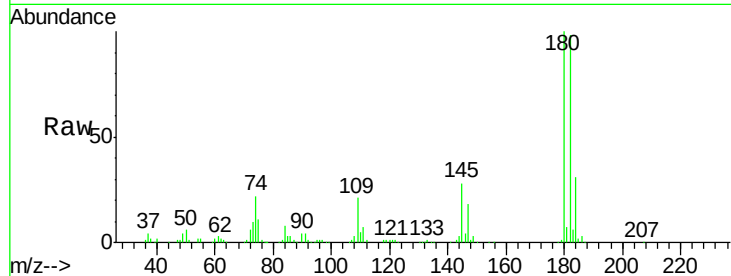
#93
 1,2,4-Trichlorobenzene
 Concen: 18.947 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007867.D
 Acq: 06 Mar 2019 18:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.9	143.7
145	28.6	14.1	42.4

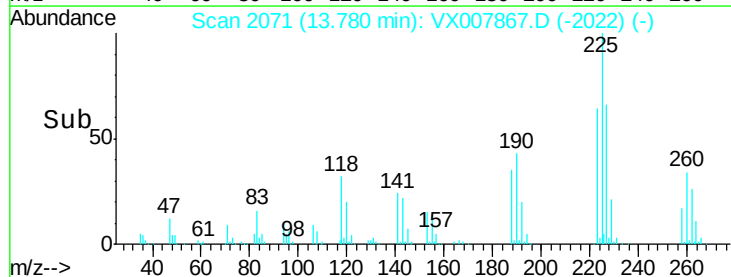
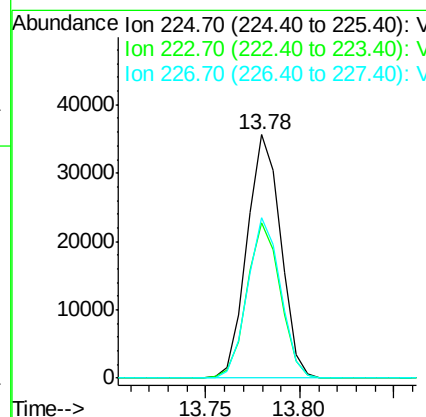
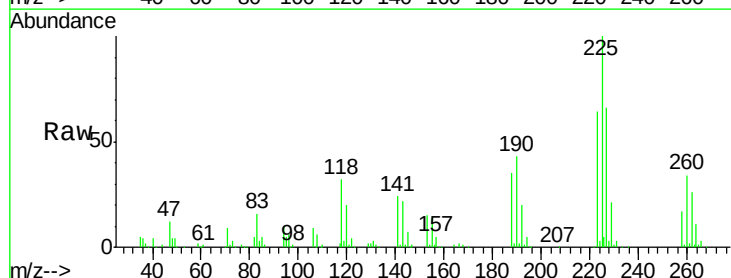
Manual Integrations
 APPROVED

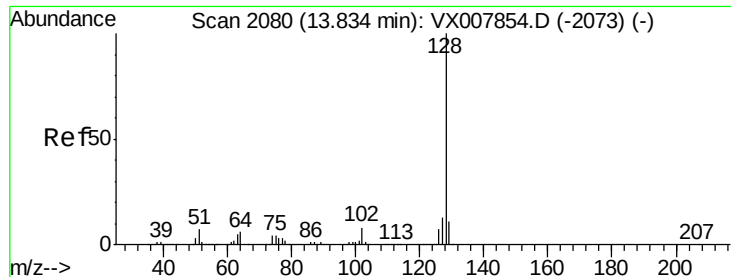
MMDadoda
 3/7/2019 10:35:39 AM



#94
 Hexachlorobutadiene
 Concen: 19.511 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007867.D
 Acq: 06 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.1	93.2
227	64.5	32.0	96.0





#95

Naphthalene

Concen: 19.704 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Instrument :

MSVOA_X

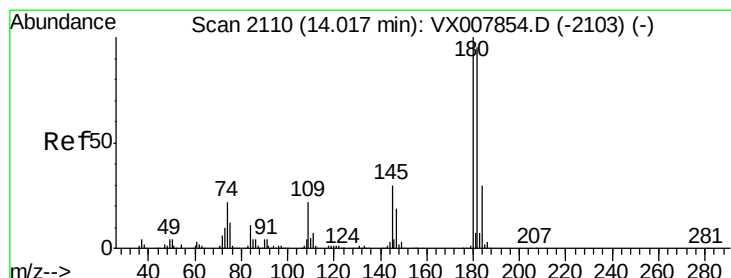
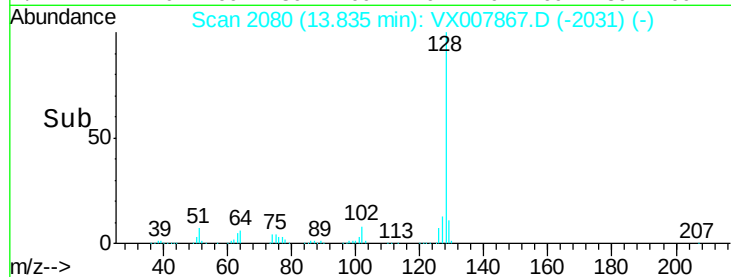
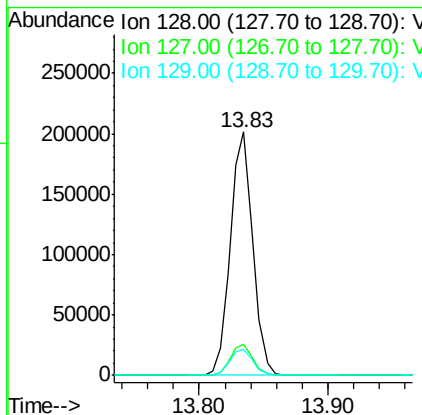
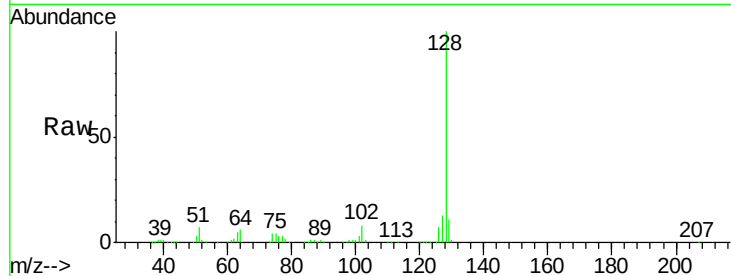
ClientSampleId :

VX0306WBSD01

Tot Ion:	128	Resp:	246333
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:39 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.535 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007867.D

Acq: 06 Mar 2019 18:27

Tgt Ion:	180	Resp:	84435
Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.5
145	29.4	14.8	44.3

