

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050619\
 Data File : VX009365.D
 Acq On : 06 May 2019 20:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/7/2019 9:42:21 AM

Quant Time: May 07 08:21:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	162901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	268281	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	241523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121477	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110902	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
35) Dibromofluoromethane	5.50	113	83612	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
50) Toluene-d8	8.71	98	338666	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.13	95	124204	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	66332	44.187	ug/l	98
3) Chloromethane	1.32	50	95623	46.657	ug/l	100
4) Vinyl Chloride	1.41	62	93744	46.907	ug/l	99
5) Bromomethane	1.64	94	58754	48.981	ug/l	97
6) Chloroethane	1.71	64	65612	51.135	ug/l	99
7) Trichlorofluoromethane	1.92	101	117276	48.276	ug/l	100
8) Diethyl Ether	2.19	74	57058	49.586	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	71880	47.119	ug/l	100
10) Methyl Iodide	2.51	142	76571	43.825	ug/l	100
11) Tert butyl alcohol	3.06	59	146323	284.258	ug/l	100
12) 1,1-Dichloroethene	2.37	96	74358	48.648	ug/l	96
13) Acrolein	2.29	56	103957	222.999	ug/l	100
14) Allyl chloride	2.73	41	177140	47.555	ug/l	99
15) Acrylonitrile	3.14	53	333333	264.842	ug/l	99
16) Acetone	2.45	43	289644	242.565	ug/l	98
17) Carbon Disulfide	2.56	76	189901	44.252	ug/l	100
18) Methyl Acetate	2.78	43	152674	53.763	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	302942	51.039	ug/l	99
20) Methylene Chloride	2.85	84	91625	47.391	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	78294	47.232	ug/l	96
22) Diisopropyl ether	3.85	45	359400	50.171	ug/l	96
23) Vinyl Acetate	3.82	43	1596413	260.250	ug/l	100
24) 1,1-Dichloroethane	3.70	63	172460	48.803	ug/l	99
25) 2-Butanone	4.68	43	498328	268.557	ug/l	100
26) 2,2-Dichloropropane	4.59	77	109439	41.606	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	97711	49.384	ug/l	98
28) Bromochloromethane	5.02	49	67617	47.390	ug/l	100
29) Tetrahydrofuran	5.13	42	327030	273.881	ug/l	100
30) Chloroform	5.21	83	161777	50.617	ug/l	99
31) Cyclohexane	5.58	56	152389	46.351	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	130935	49.212	ug/l	99
36) 1,1-Dichloropropene	5.80	75	115876	46.477	ug/l	100
37) Ethyl Acetate	4.84	43	183827	52.919	ug/l	99
38) Carbon Tetrachloride	5.78	117	108970	48.106	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	137449	44.891	ug/l	99
40) Benzene	6.14	78	369130	47.840	ug/l	99
41) Methacrylonitrile	5.04	41	104656	50.612	ug/l	99
42) 1,2-Dichloroethane	6.20	62	135798	49.063	ug/l	99
43) Isopropyl Acetate	6.45	43	286895	51.633	ug/l	100
44) Trichloroethene	7.21	130	87535	46.927	ug/l	97
45) 1,2-Dichloropropane	7.51	63	107154	49.044	ug/l	97
46) Dibromomethane	7.66	93	61582	48.538	ug/l	100
47) Bromodichloromethane	7.90	83	125617	49.635	ug/l	96
48) Methyl methacrylate	7.77	41	142943	51.854	ug/l	100
49) 1,4-Dioxane	7.74	88	60613	1084.216	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	981462	270.242	ug/l	99
52) Toluene	8.79	92	225306	48.037	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	143153	50.100	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	155520	49.174	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	95113	49.706	ug/l	96
56) Ethyl methacrylate	9.18	69	175596	51.408	ug/l	100
57) 1,3-Dichloropropane	9.37	76	165844	49.251	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	456607	251.986	ug/l	99
59) 2-Hexanone	9.49	43	772681	270.892	ug/l	99
60) Dibromochloromethane	9.58	129	95749	51.233	ug/l	99
61) 1,2-Dibromoethane	9.67	107	96586	50.004	ug/l	100
64) Tetrachloroethene	9.34	164	80049	48.317	ug/l	98
65) Chlorobenzene	10.14	112	236577	48.965	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	88192	50.348	ug/l	100
67) Ethyl Benzene	10.25	91	433265	48.726	ug/l	99
68) m/p-Xylenes	10.36	106	318593	98.047	ug/l	99
69) o-Xylene	10.69	106	157446	49.110	ug/l	100
70) Styrene	10.71	104	280254	50.295	ug/l	100
71) Bromoform	10.85	173	75675	53.162	ug/l #	99
73) Isopropylbenzene	11.02	105	421338	47.697	ug/l	100
74) N-amyl acetate	10.90	43	264557	51.369	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	165497	50.256	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	141449m	50.198	ug/l	
77) Bromobenzene	11.26	156	106595	48.617	ug/l	98
78) n-propylbenzene	11.36	91	479316	47.511	ug/l	99
79) 2-Chlorotoluene	11.42	91	291493	46.833	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	356574	47.940	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	53547	48.622	ug/l	99
82) 4-Chlorotoluene	11.51	91	333652	47.451	ug/l	100
83) tert-Butylbenzene	11.77	119	346918	47.946	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	360300	48.260	ug/l	100
85) sec-Butylbenzene	11.94	105	407353	47.486	ug/l	100
86) p-Isopropyltoluene	12.06	119	371334	48.151	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	187892	48.071	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	189522	48.095	ug/l	99
89) n-Butylbenzene	12.38	91	330594	47.429	ug/l	100
90) Hexachloroethane	12.60	117	63383	48.242	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	192661	48.394	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39245	53.125	ug/l	98

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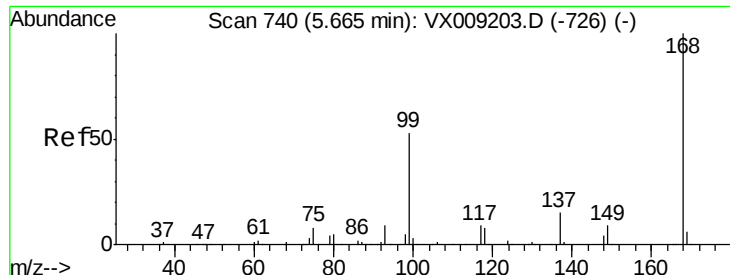
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	135469	49.761	ug/l	98
94) Hexachlorobutadiene	13.78	225	65488	47.106	ug/l	99
95) Naphthalene	13.83	128	459547	51.884	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	138264	50.103	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: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 162901

Ion Ratio Lower Upper

168 100

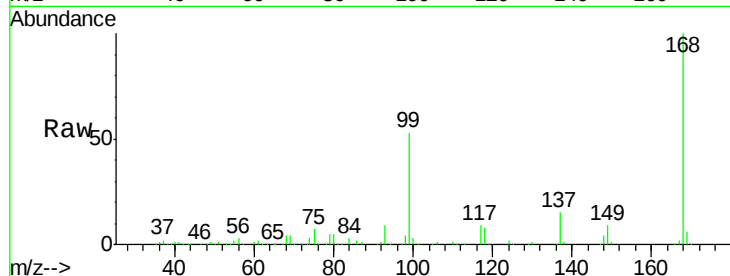
99 52.6 42.3 63.5

Manual Integrations

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5/7/2019 9:42:21 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

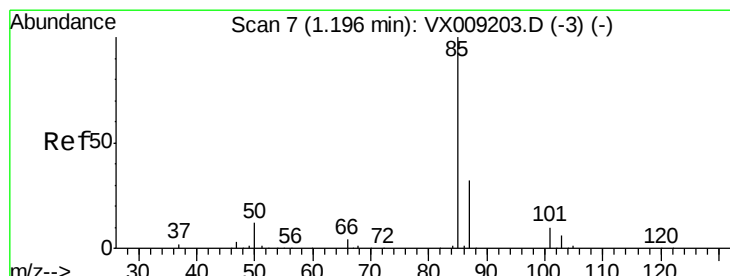
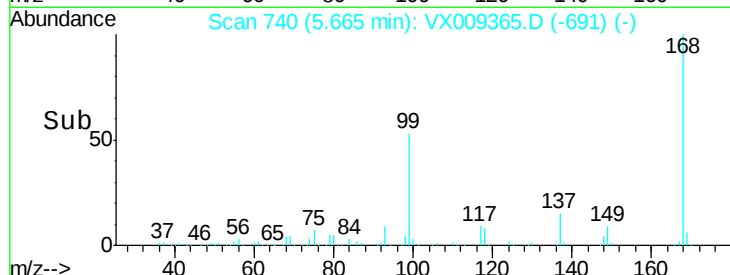
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 44.187 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009365.D

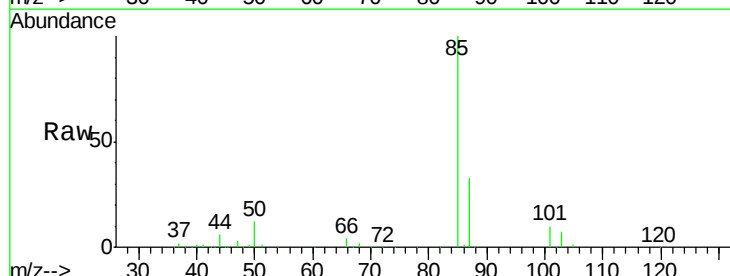
Acq: 06 May 2019 20:56

Tgt Ion: 85 Resp: 66332

Ion Ratio Lower Upper

85 100

87 33.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

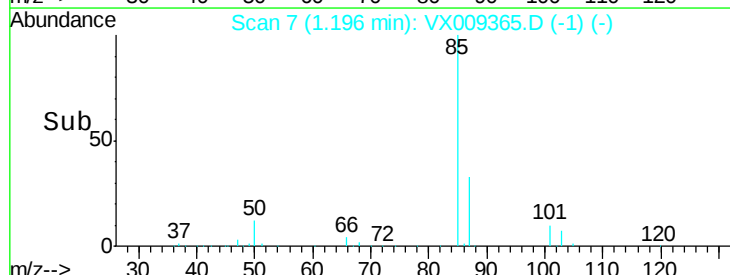
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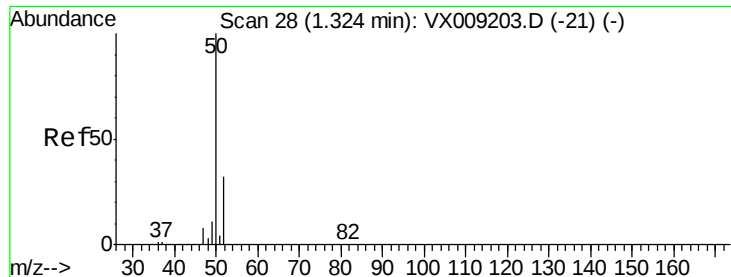
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 46.657 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 95623

Ion Ratio Lower Upper

50 100

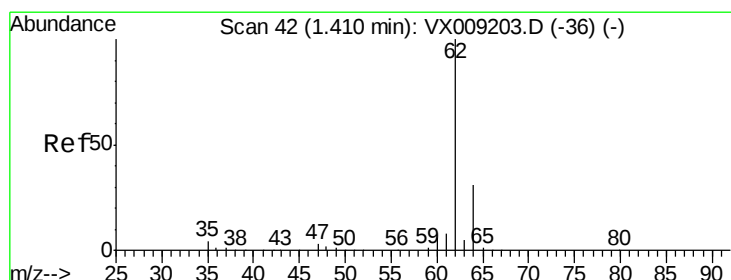
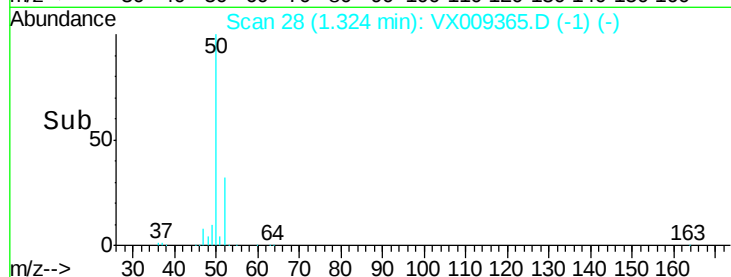
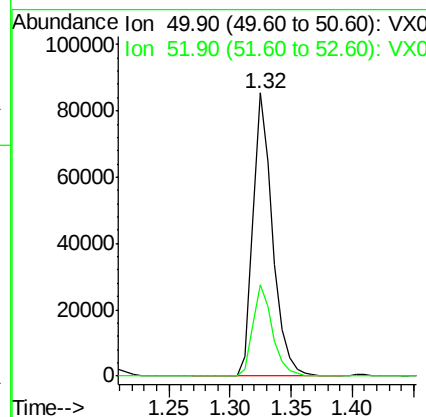
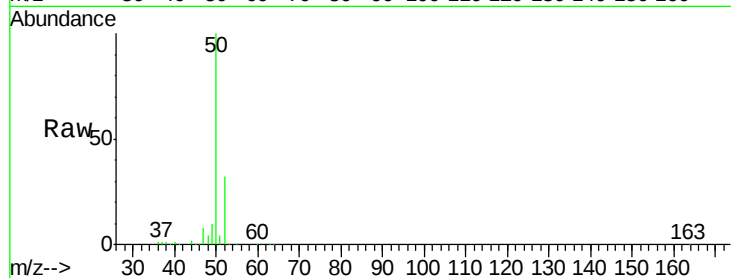
52 32.3 25.9 38.9

Manual Integrations

APPROVED

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5/7/2019 9:42:21 AM



#4

Vinyl Chloride

Concen: 46.907 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009365.D

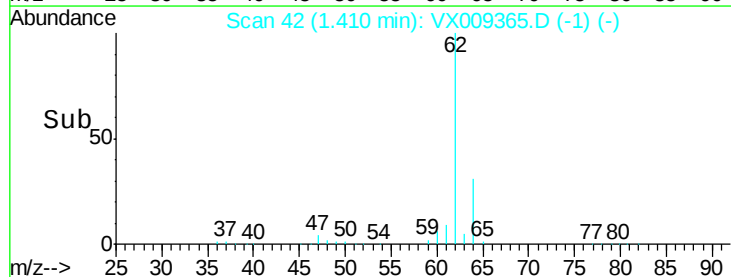
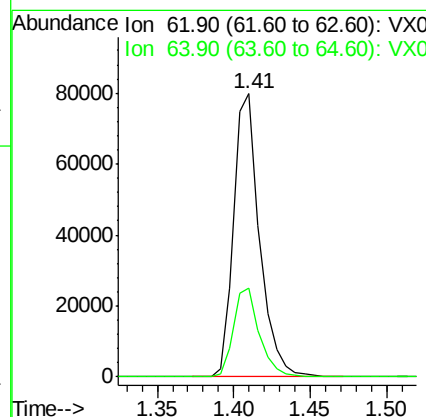
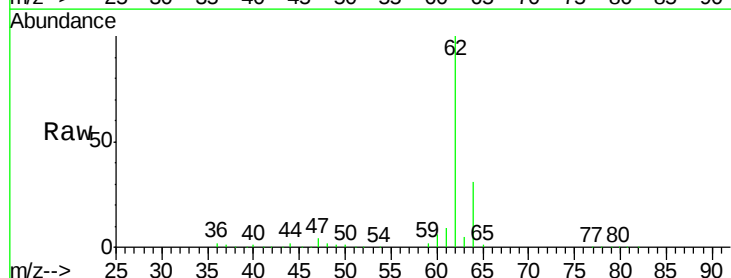
Acq: 06 May 2019 20:56

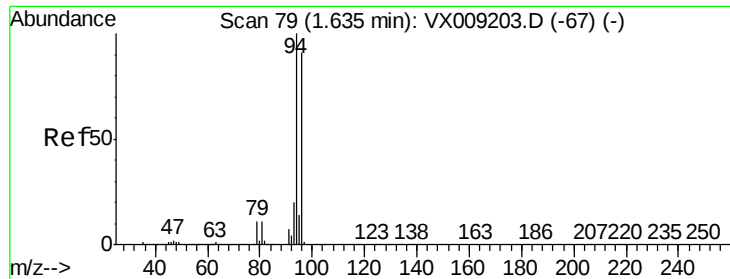
Tgt Ion: 62 Resp: 93744

Ion Ratio Lower Upper

62 100

64 31.1 24.6 36.8





#5

Bromomethane

Concen: 48.981 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 58754

Ion Ratio Lower Upper

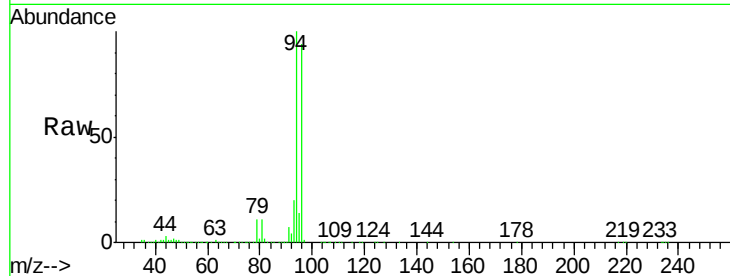
94 100

96 94.3 73.0 109.6

Manual Integrations
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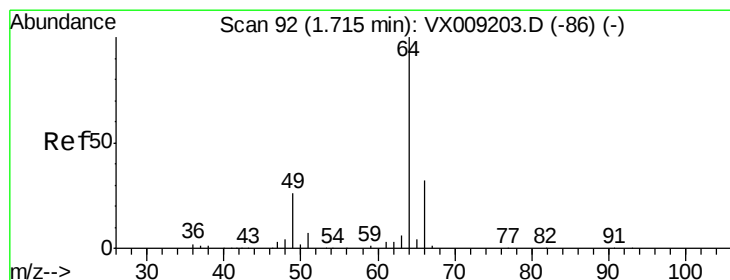
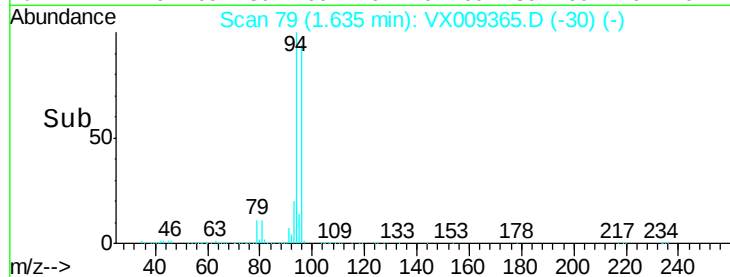
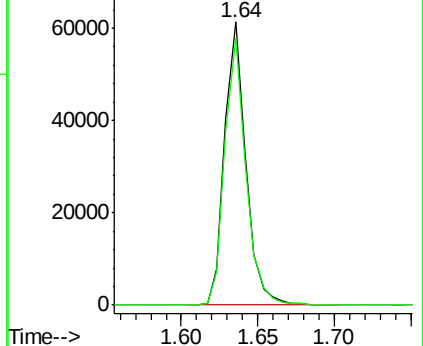
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.135 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009365.D

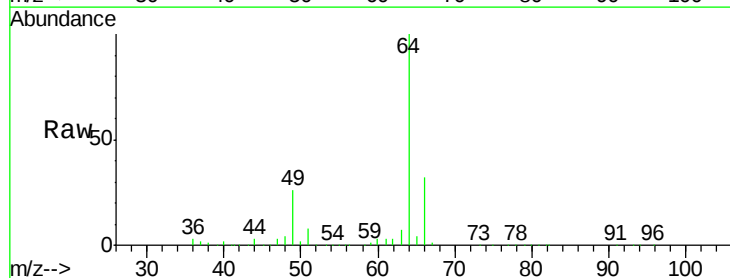
Acq: 06 May 2019 20:56

Tgt Ion: 64 Resp: 65612

Ion Ratio Lower Upper

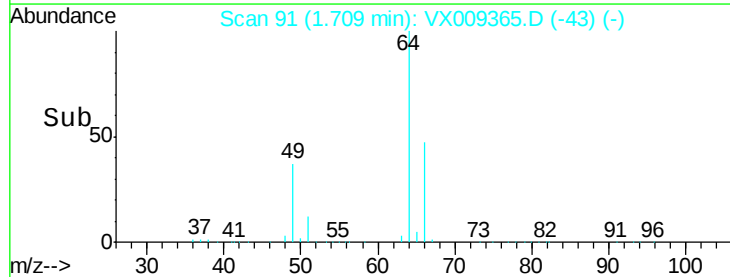
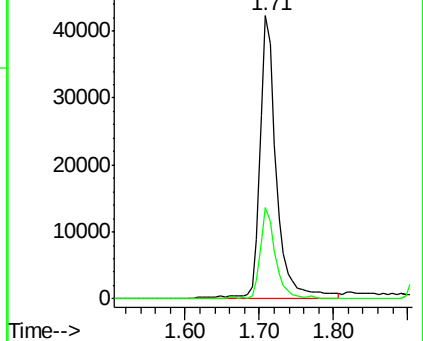
64 100

66 32.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

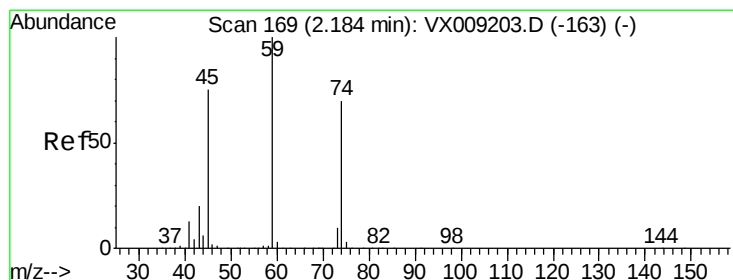
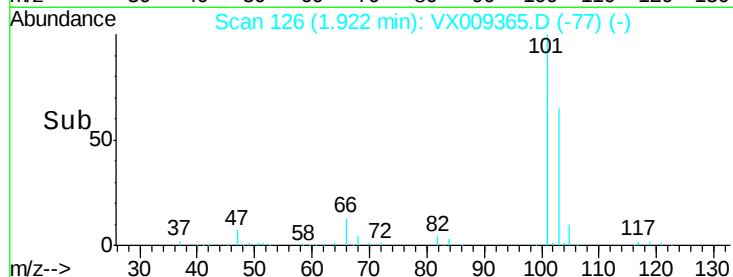
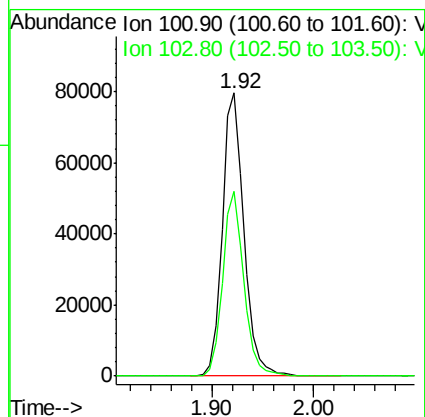
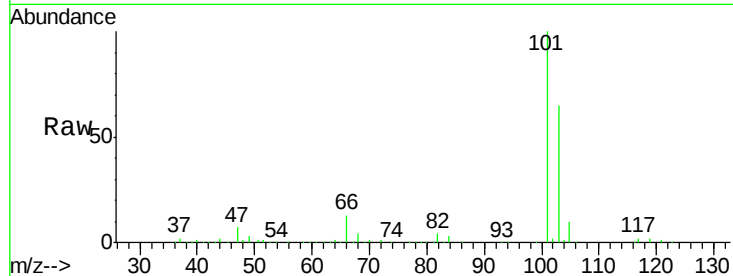
Trichlorofluoromethane
Concen: 48.276 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 117276
Ion Ratio Lower Upper
101 100
103 65.5 52.4 78.6

Manual Integrations
APPROVED

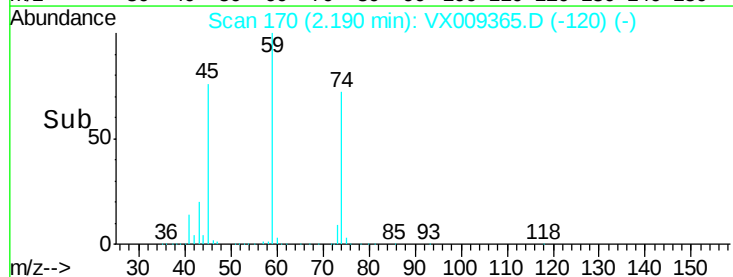
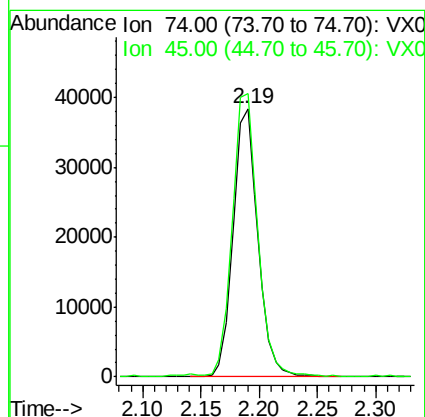
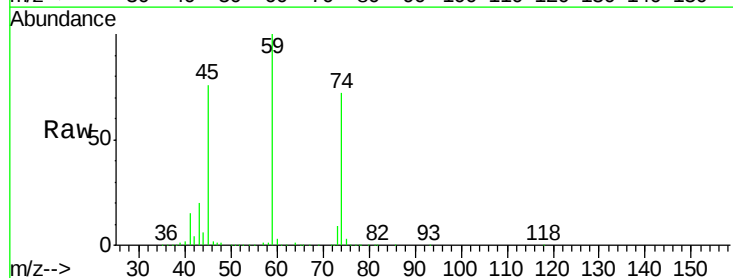
MMDadoda
5/7/2019 9:42:21 AM

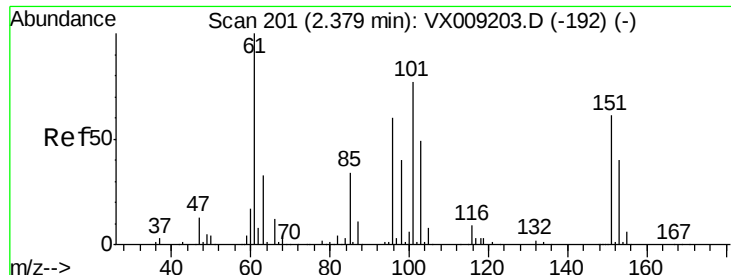


#8

Diethyl Ether
Concen: 49.586 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Tgt Ion: 74 Resp: 57058
Ion Ratio Lower Upper
74 100
45 107.5 53.3 159.9





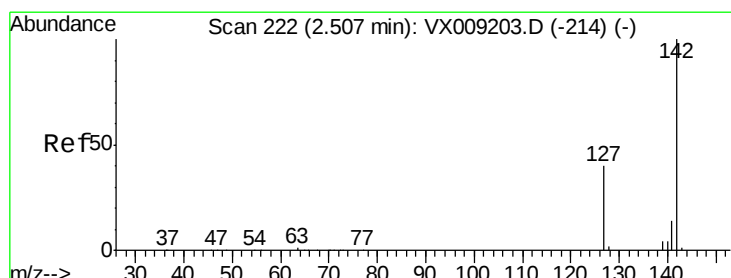
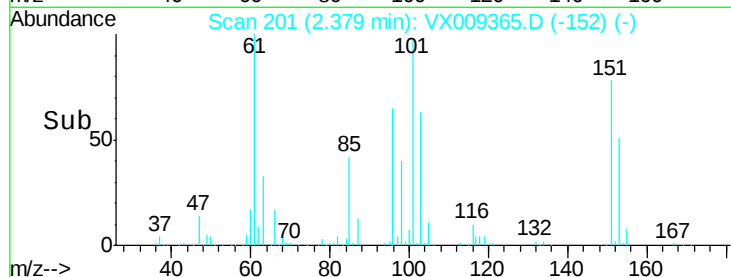
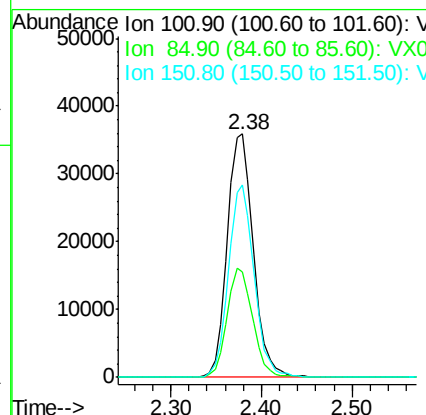
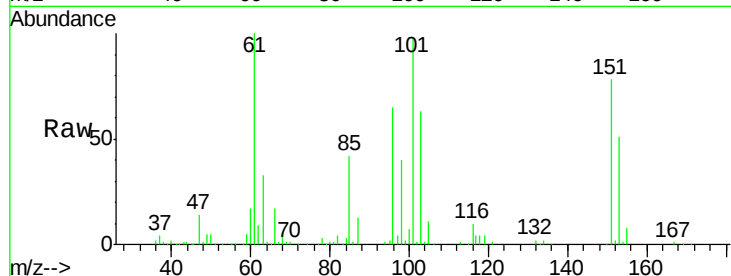
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.119 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
85	44.3	35.7	53.5
151	77.8	62.2	93.2

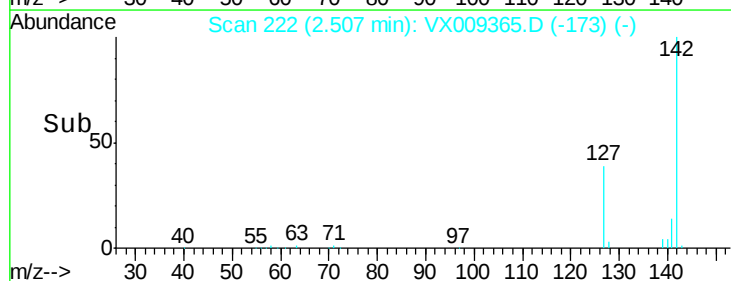
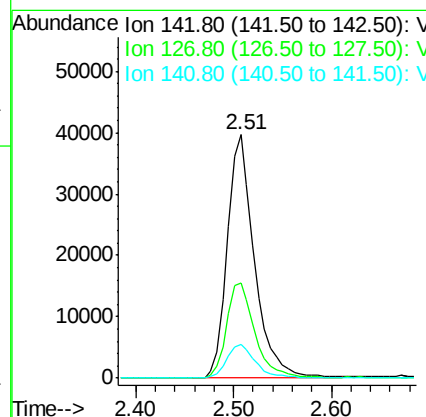
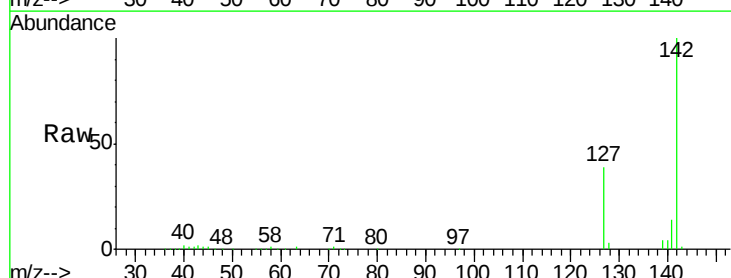
Manual Integrations
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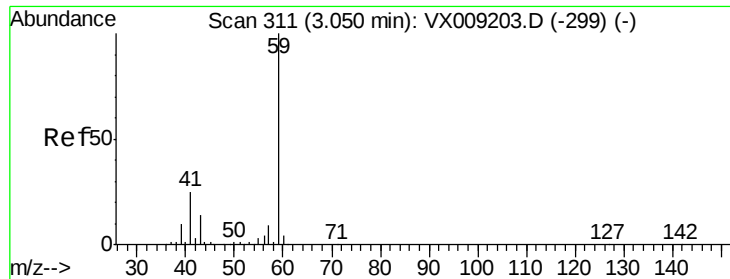
MMDadoda
5/7/2019 9:42:21 AM



#10
Methyl Iodide
Concen: 43.825 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.6	32.7	49.1
141	14.6	11.5	17.3





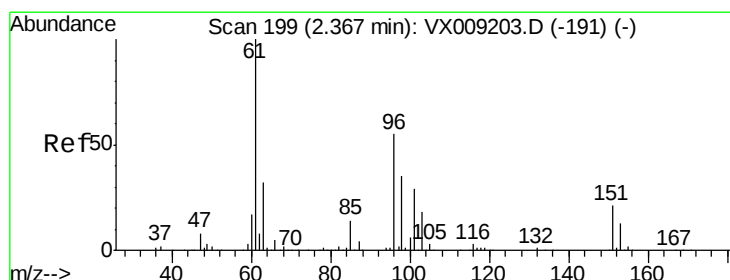
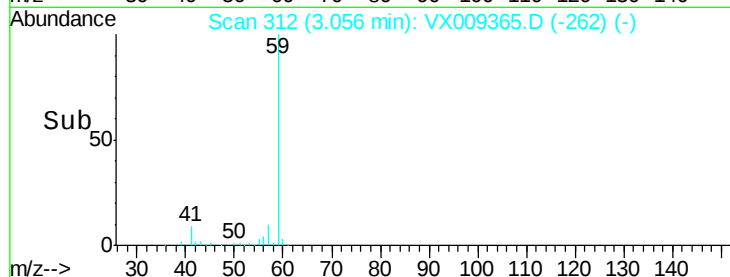
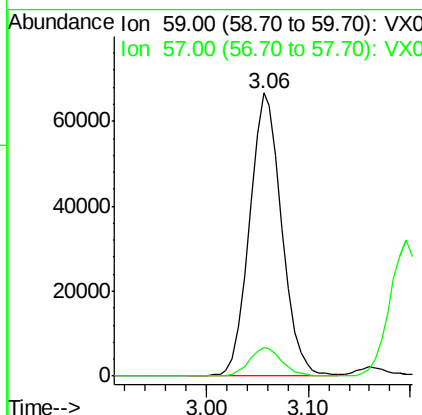
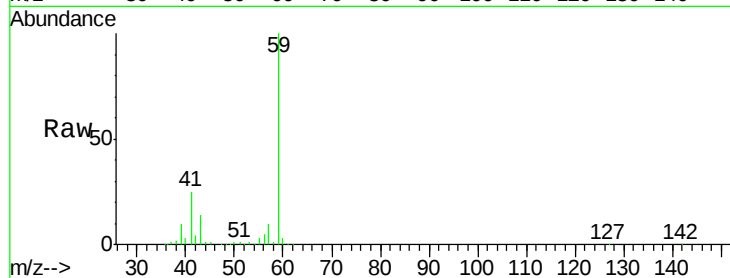
#11
Tert butyl alcohol
Concen: 284.258 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 146323
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

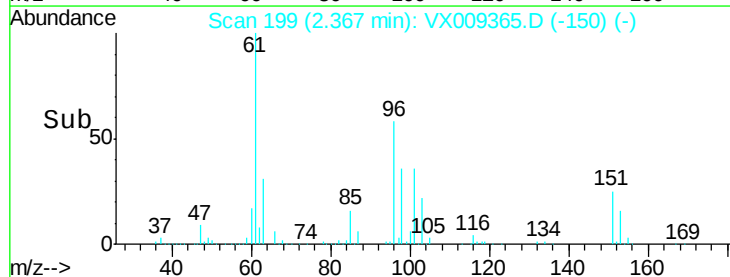
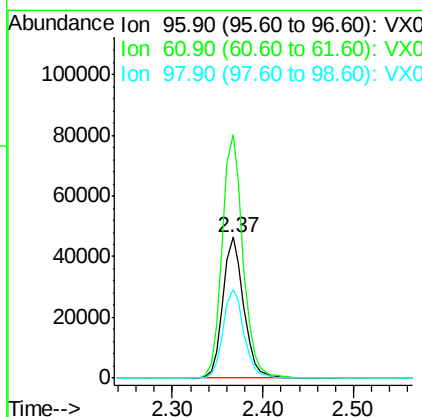
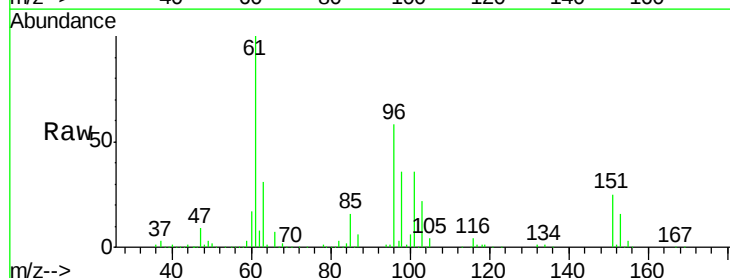
Manual Integrations
APPROVED

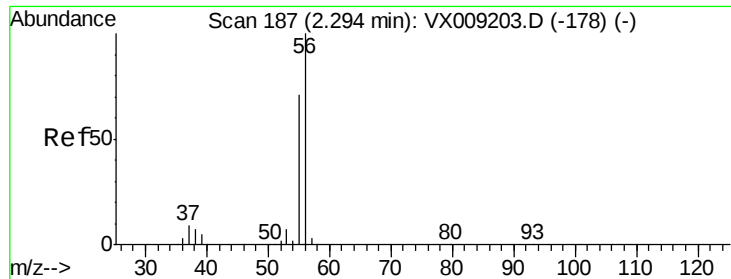
MMDadoda
5/7/2019 9:42:21 AM



#12
1,1-Dichloroethene
Concen: 48.648 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Tgt Ion: 96 Resp: 74358
Ion Ratio Lower Upper
96 100
61 172.6 144.3 216.5
98 63.0 50.3 75.5





#13

Acrolein

Concen: 222.999 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 103957

Ion Ratio Lower Upper

56 100

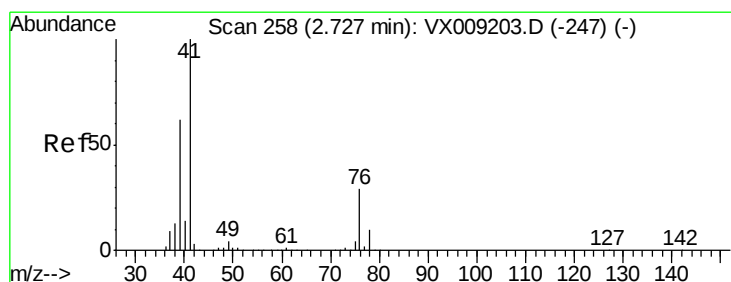
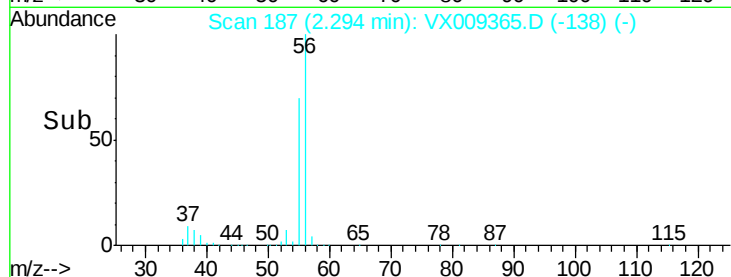
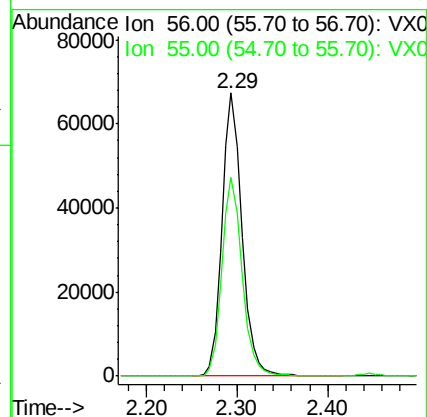
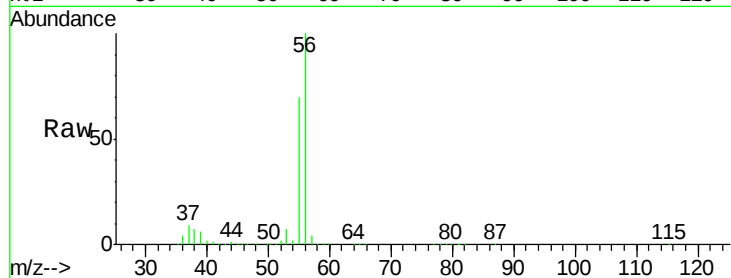
55 70.8 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 47.555 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

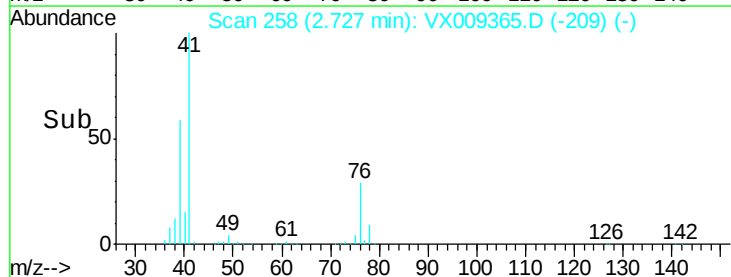
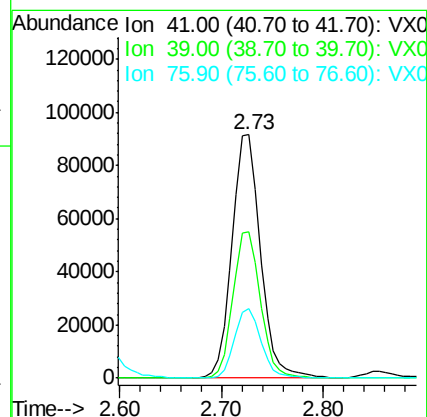
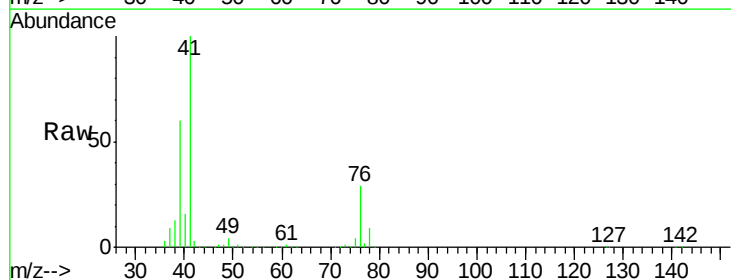
Tgt Ion: 41 Resp: 177140

Ion Ratio Lower Upper

41 100

39 57.6 46.7 70.1

76 27.0 21.8 32.8





#15

Acrylonitrile

Concen: 264.842 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

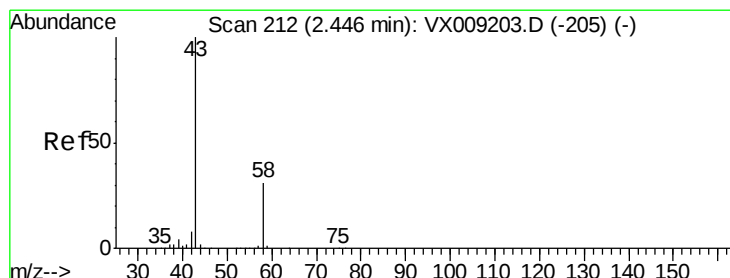
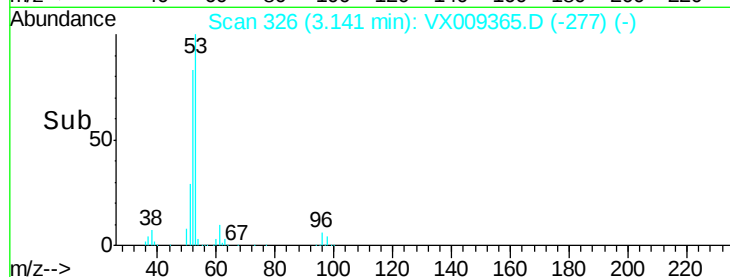
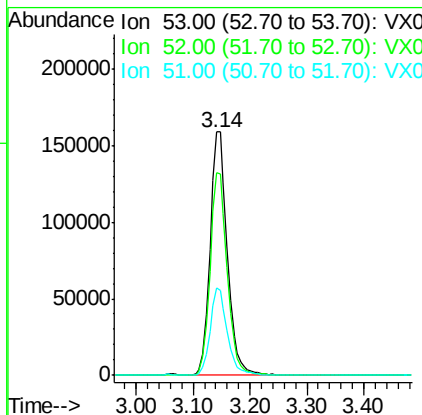
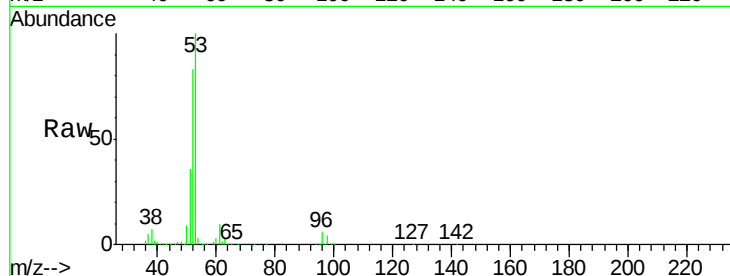
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	333333
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.9	100.3
51	35.6	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 242.565 ug/l

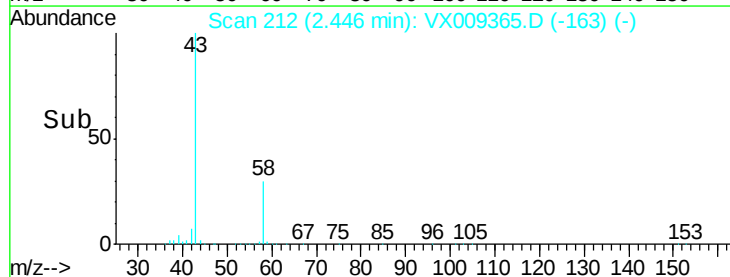
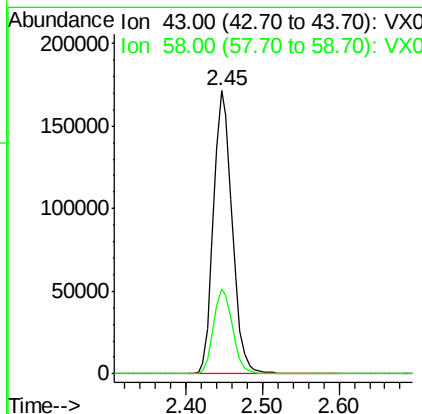
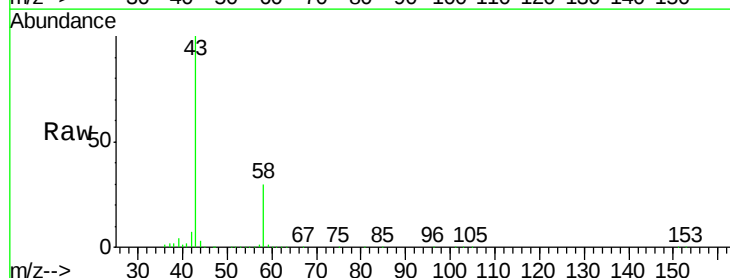
RT: 2.45 min Scan# 212

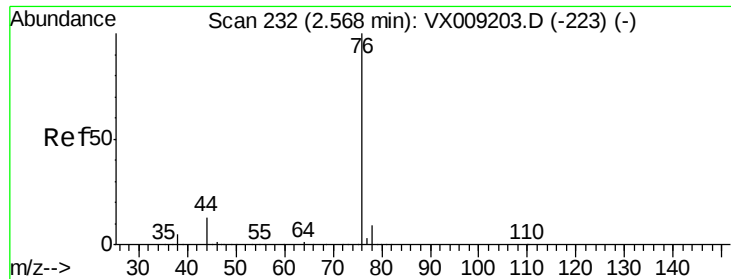
Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Tgt Ion:	43	Resp:	289644
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.9	37.3





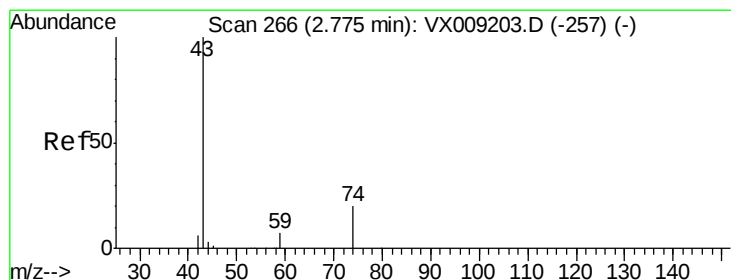
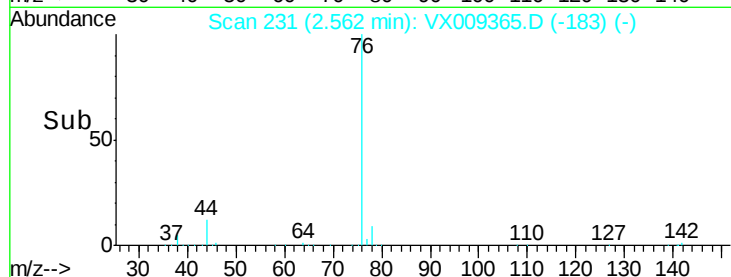
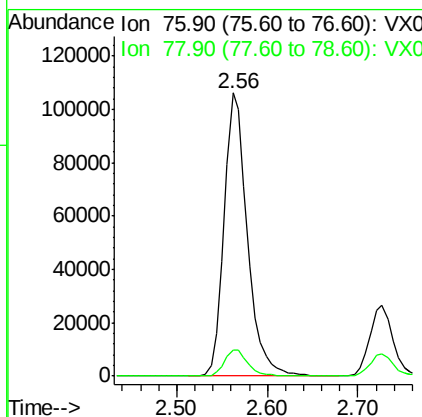
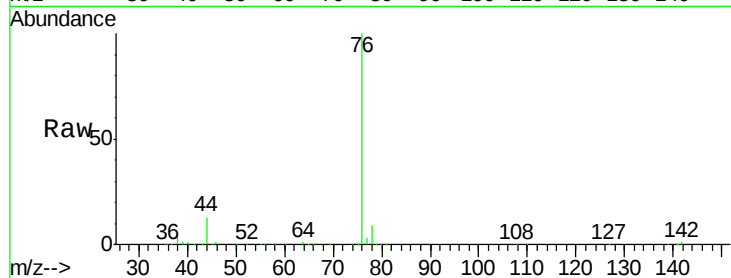
#17
Carbon Disulfide
Concen: 44.252 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

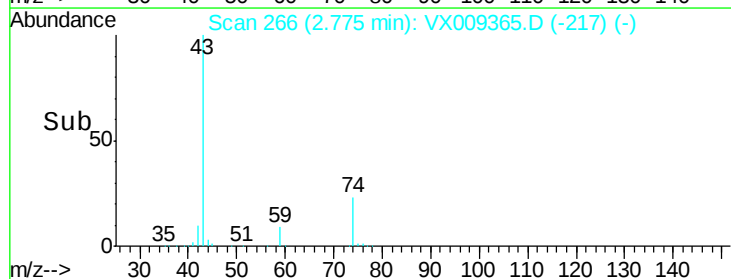
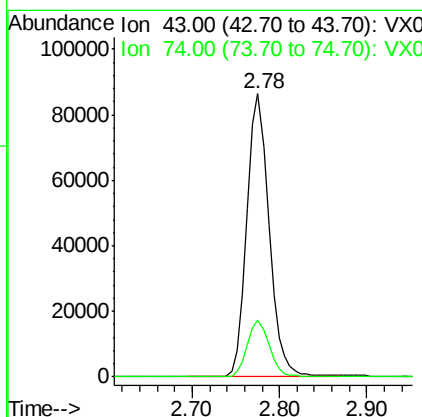
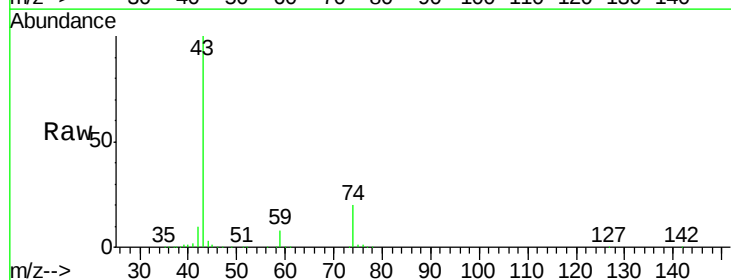
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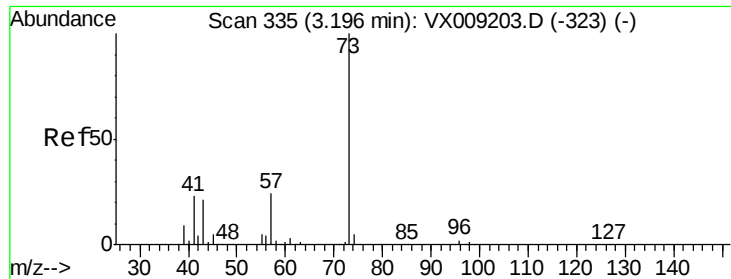
MMDadoda
5/7/2019 9:42:21 AM



#18
Methyl Acetate
Concen: 53.763 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	16.2	24.4





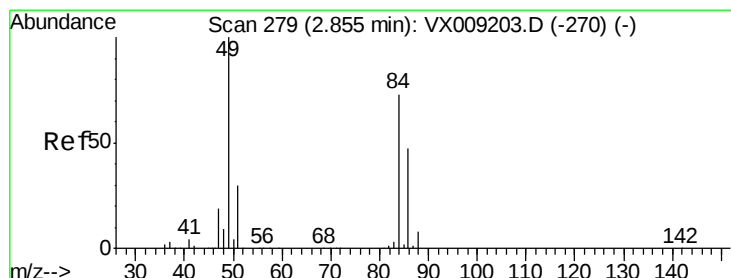
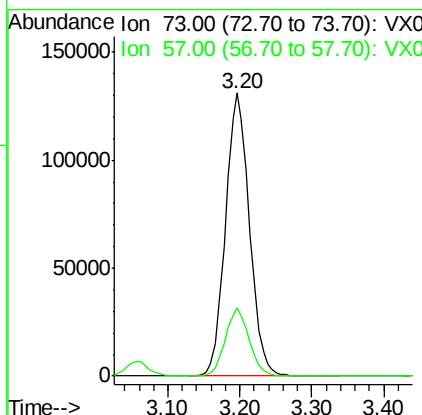
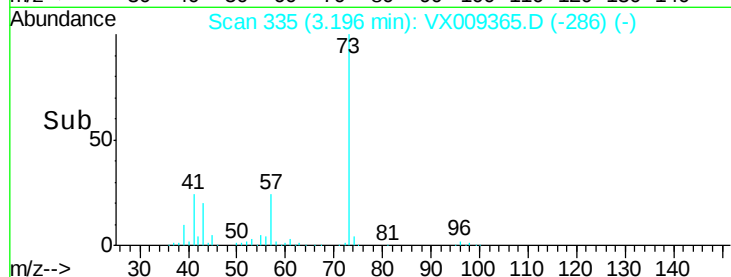
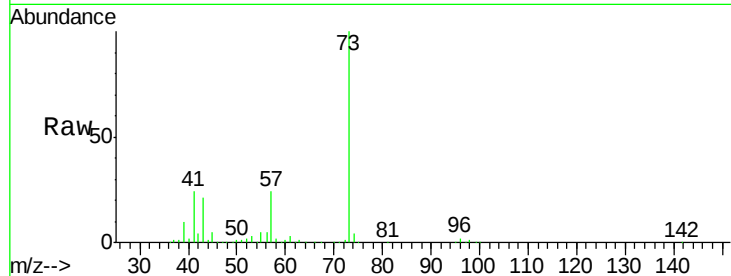
#19
Methvl tert-butvl Ether
Concen: 51.039 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.3	28.9

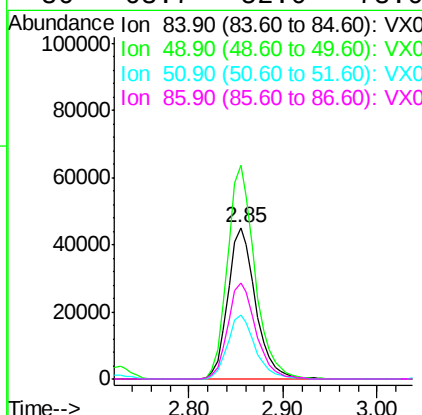
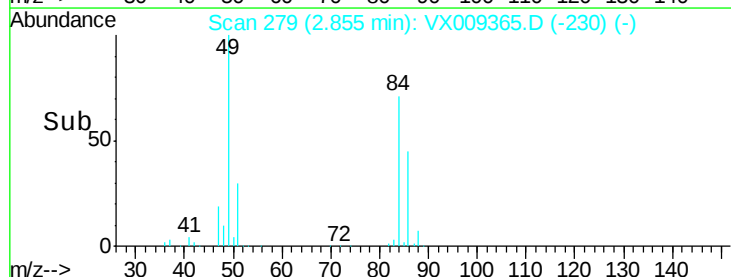
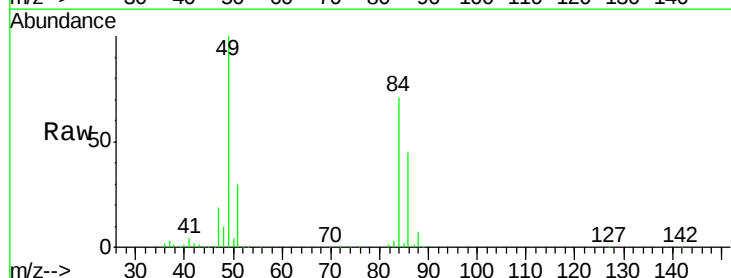
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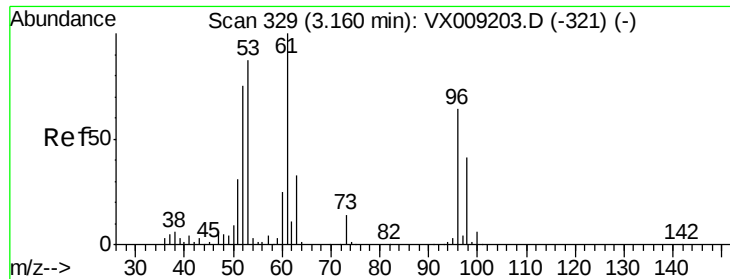
MMDadoda
5/7/2019 9:42:21 AM



#20
Methylene Chloride
Concen: 47.391 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.9	109.9	164.9
51	42.3	32.7	49.1
86	63.7	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 47.232 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

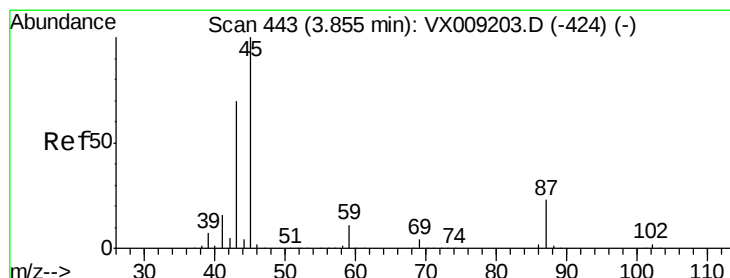
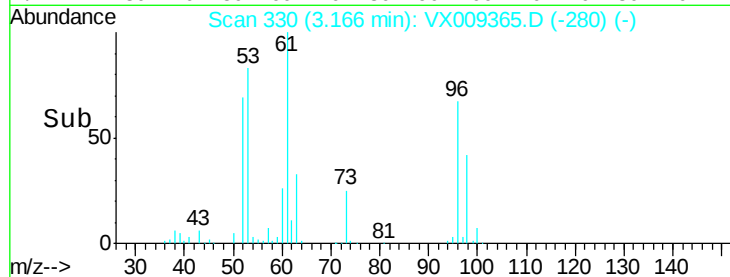
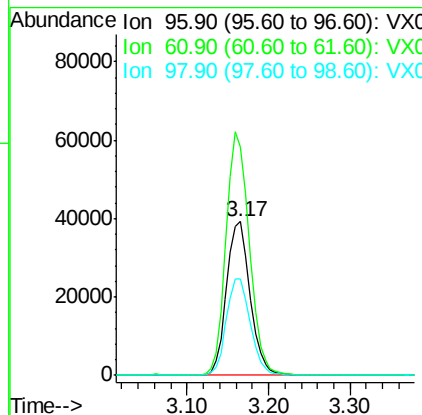
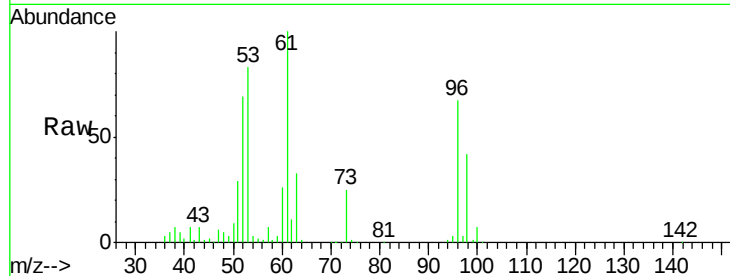
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	78294
Ion	Ratio	Lower	Upper
96	100		
61	148.5	124.5	186.7
98	62.3	50.4	75.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.171 ug/l

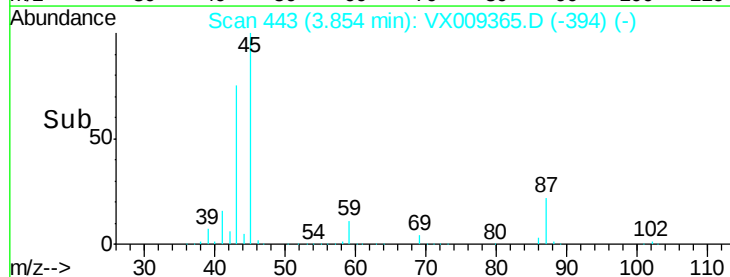
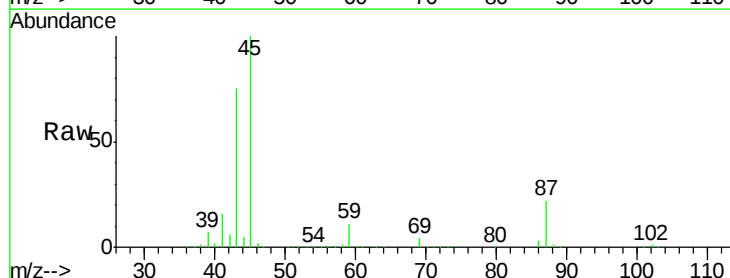
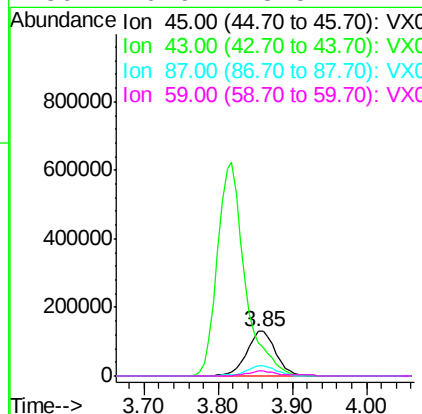
RT: 3.85 min Scan# 443

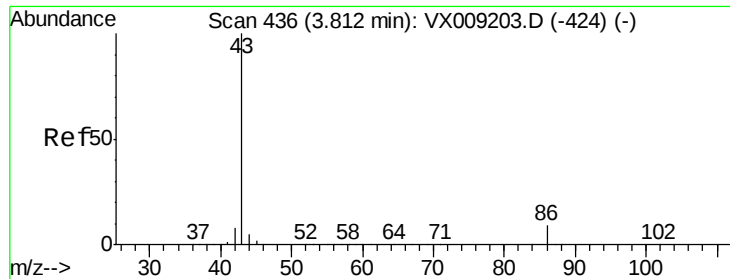
Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Tgt Ion:	45	Resp:	359400
Ion	Ratio	Lower	Upper
45	100		
43	74.7	56.1	84.1
87	21.9	18.1	27.1
59	10.6	8.5	12.7





#23

Vinyl Acetate

Concen: 260.250 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1596413

Ion Ratio Lower Upper

43 100

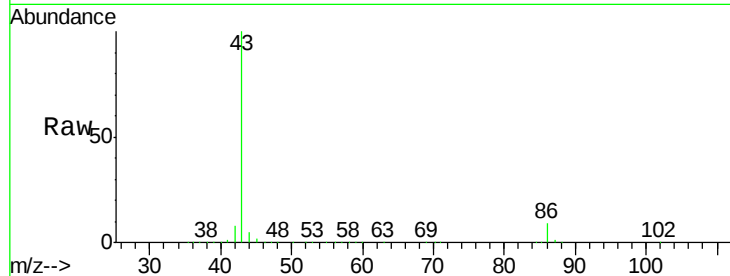
86 8.7 6.9 10.3

Manual Integrations

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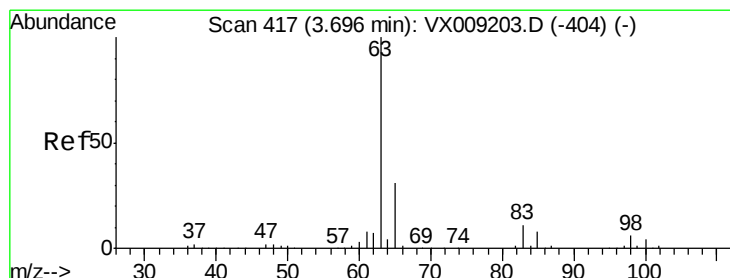
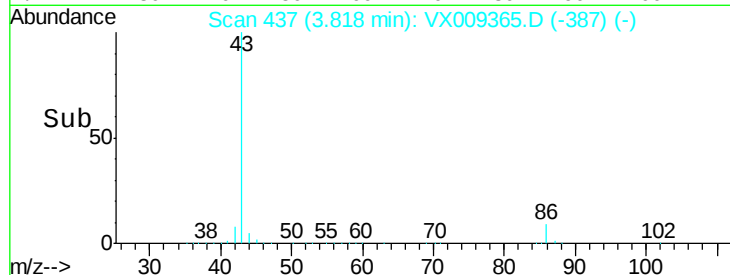
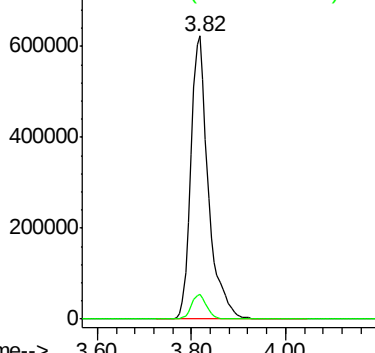
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.803 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

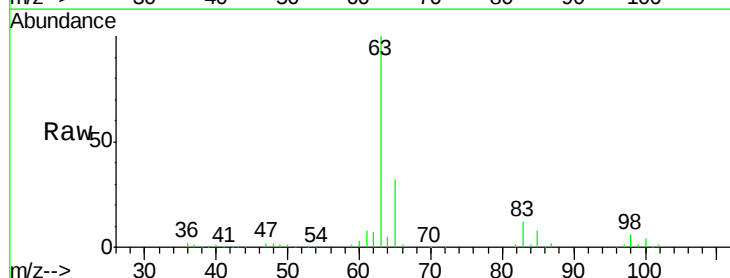
Tgt Ion: 63 Resp: 172460

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

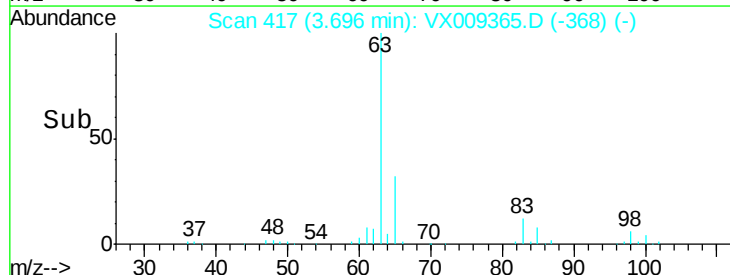
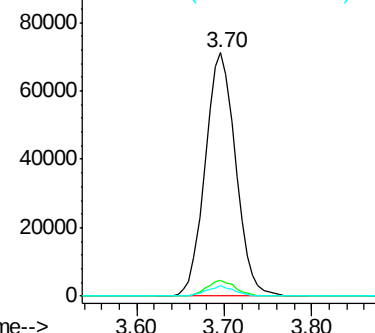
100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 268.557 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 498328

Ion Ratio Lower Upper

43 100

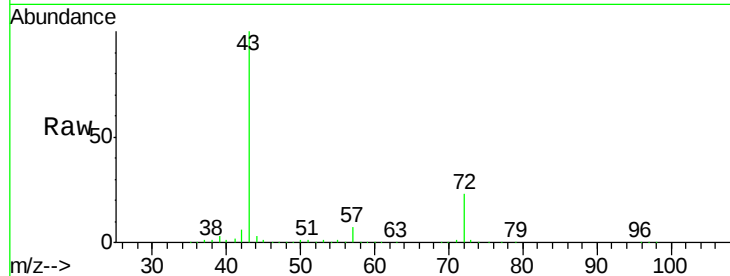
72 22.8 18.2 27.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

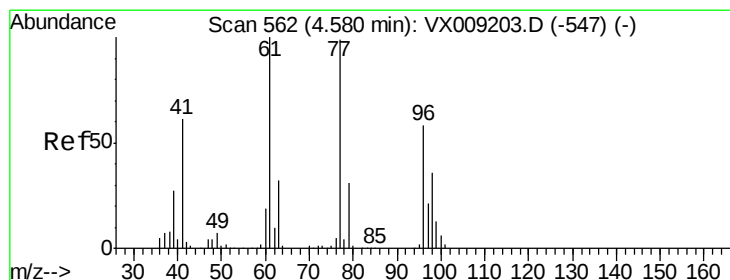
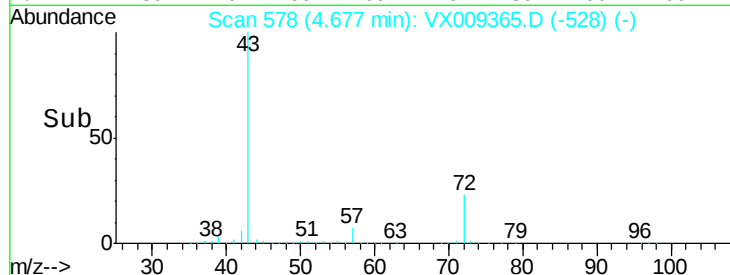
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 41.606 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009365.D

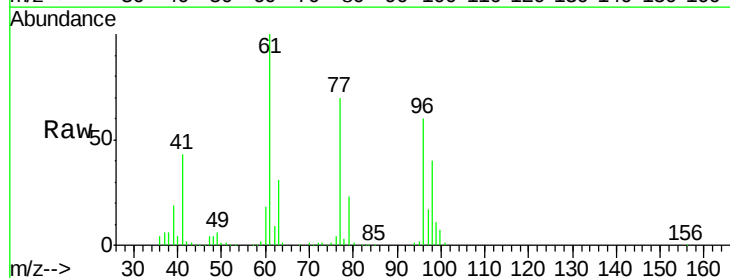
Acq: 06 May 2019 20:56

Tgt Ion: 77 Resp: 109439

Ion Ratio Lower Upper

77 100

97 23.5 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

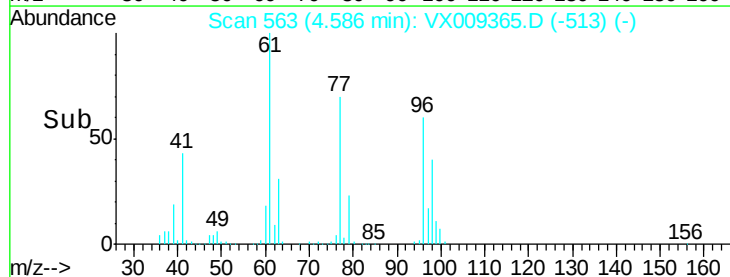
20000

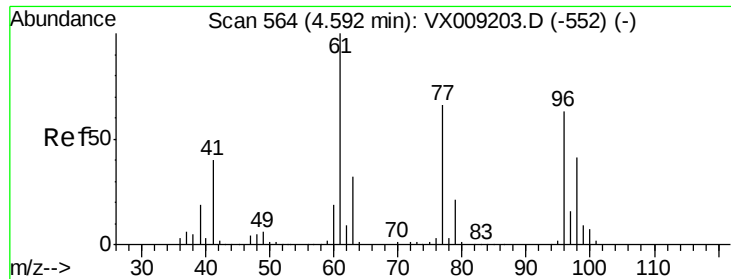
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

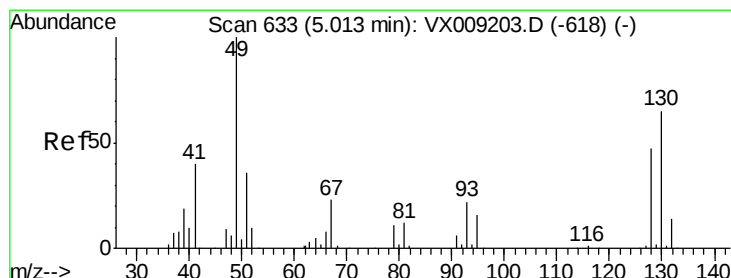
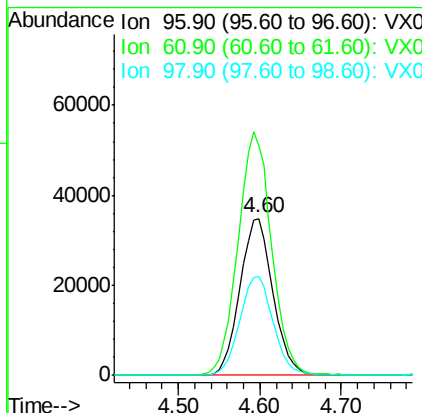
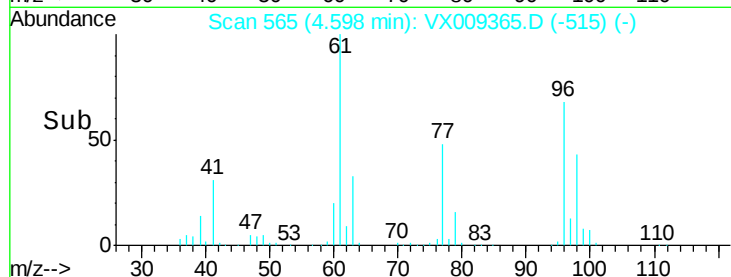
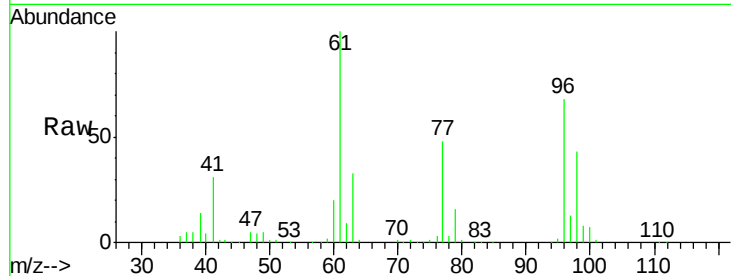
cis-1,2-Dichloroethene
Concen: 49.384 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	324.0
98	64.0	0.0	130.4

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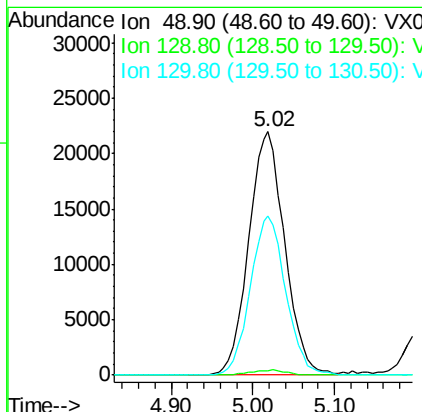
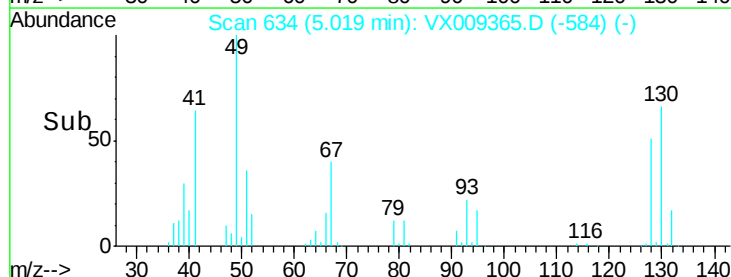
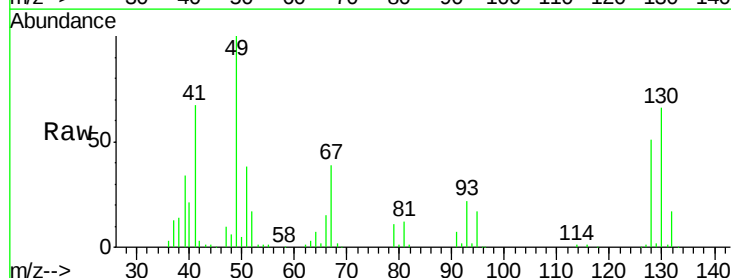
MMDadoda
5/7/2019 9:42:21 AM

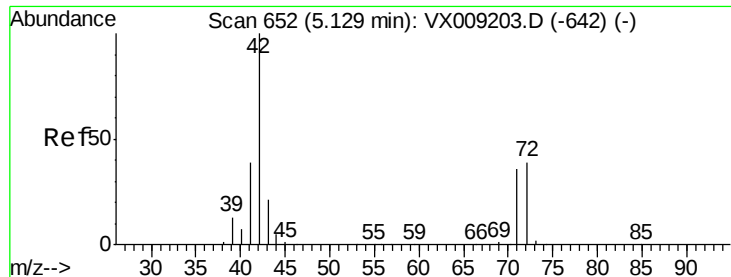


#28

Bromochloromethane
Concen: 47.390 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	64.2	51.2	76.8





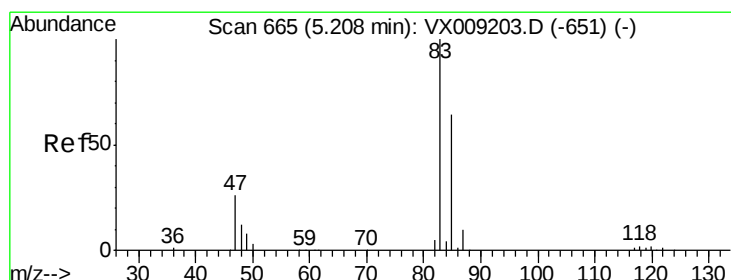
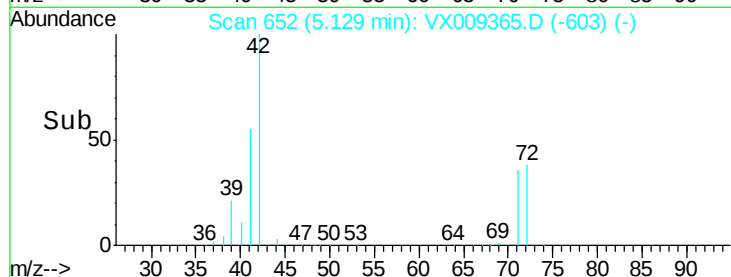
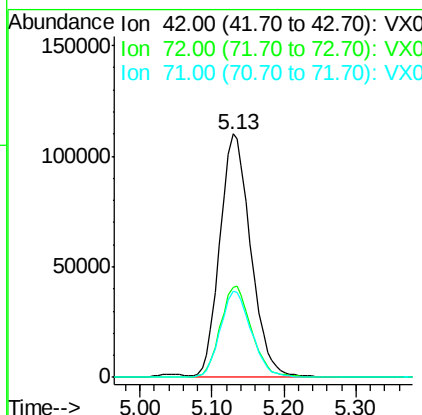
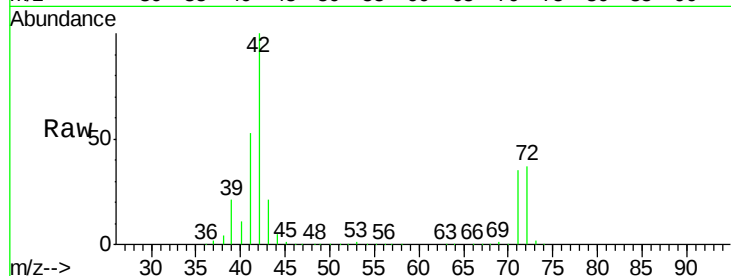
#29
Tetrahydrofuran
Concen: 273.881 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	30.4	45.6
71	35.6	28.6	43.0

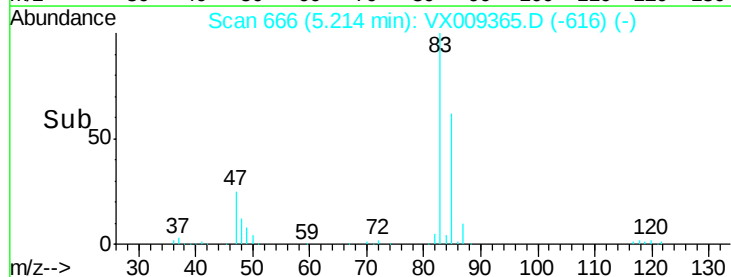
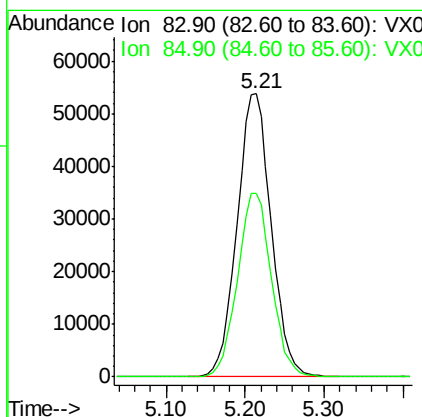
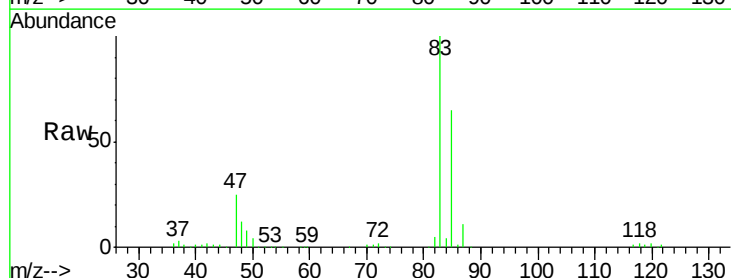
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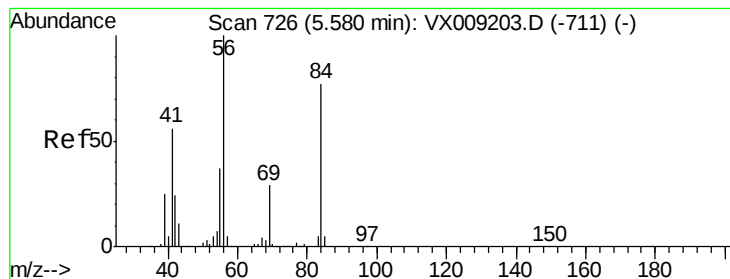
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#30
Chloroform
Concen: 50.617 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.5	77.3





#31

Cyclohexane

Concen: 46.351 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

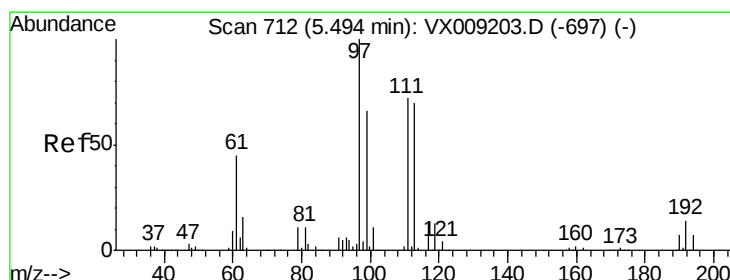
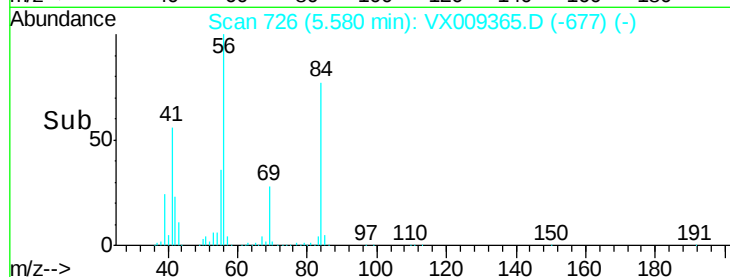
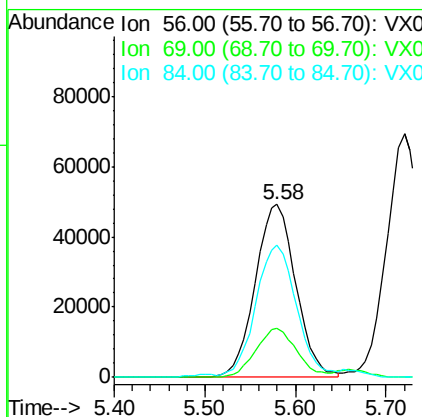
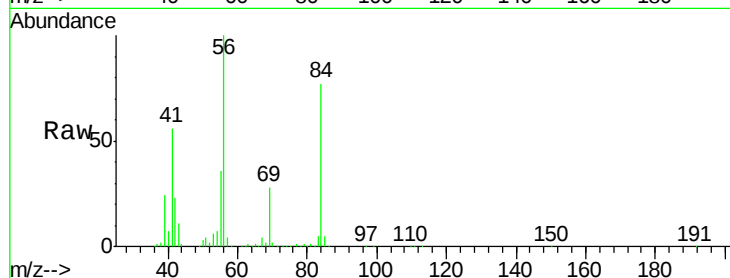
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	152389
Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.4	35.0
84	75.4	61.9	92.9

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#32

1,1,1-Trichloroethane

Concen: 49.212 ug/l

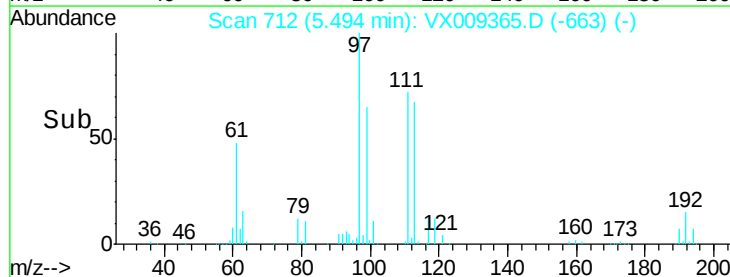
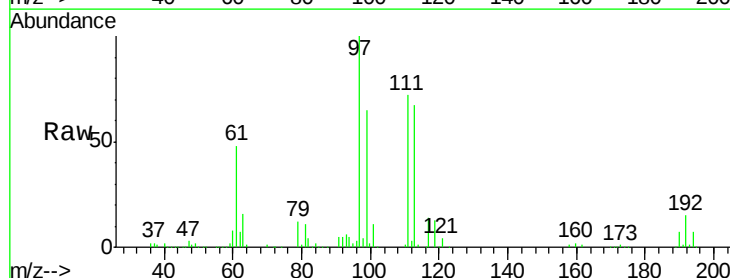
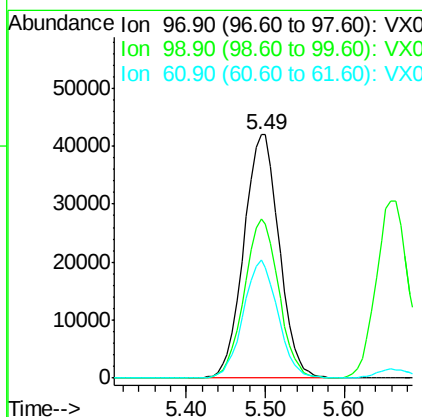
RT: 5.49 min Scan# 712

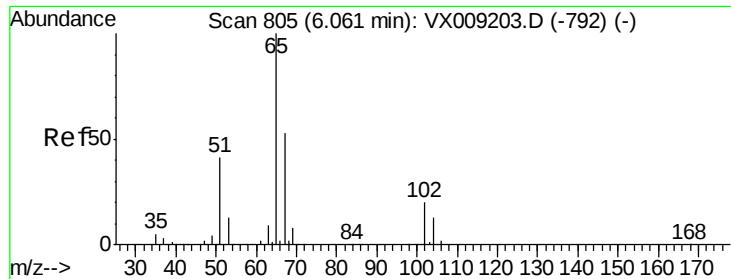
Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Tgt Ion:	97	Resp:	130935
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.8
61	47.4	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 49.871 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 110902

Ion Ratio Lower Upper

65 100

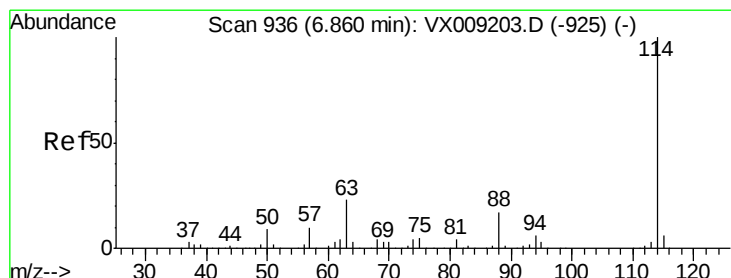
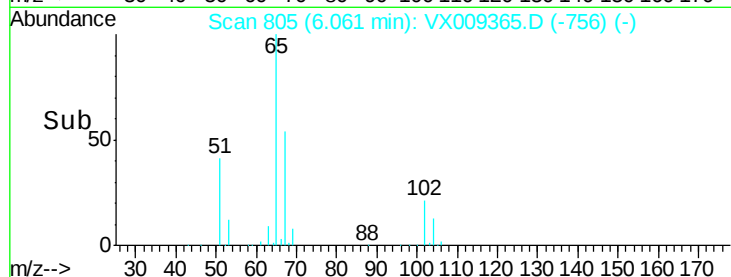
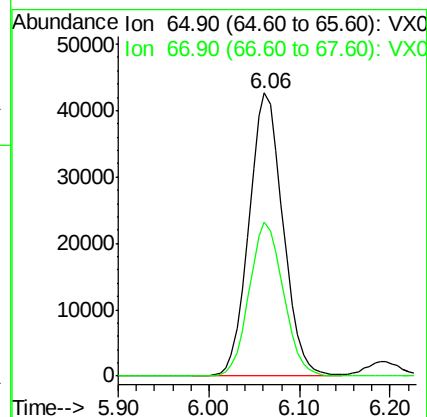
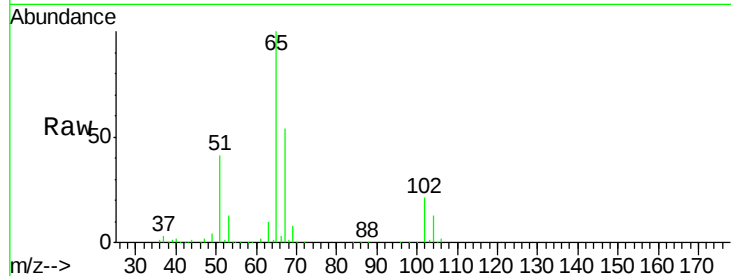
67 54.4 0.0 106.6

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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: VX009365.D

Acq: 06 May 2019 20:56

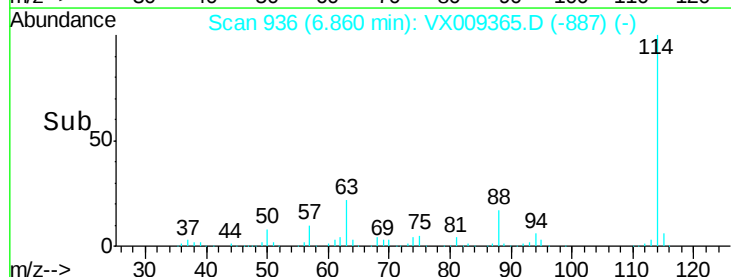
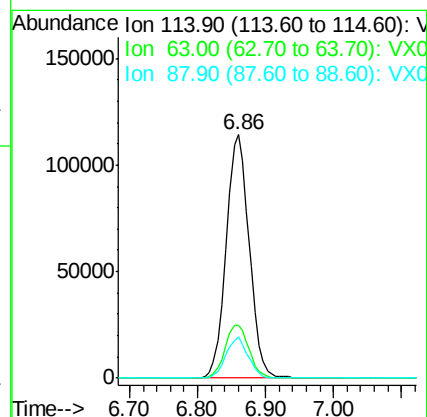
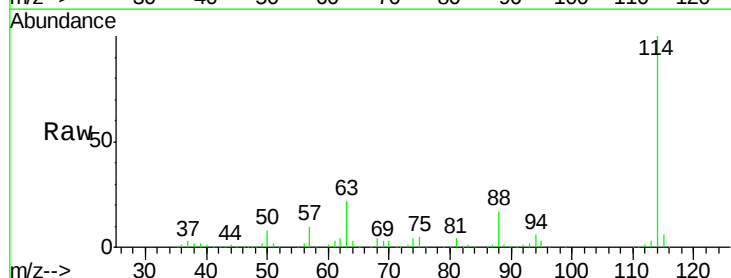
Tgt Ion: 114 Resp: 268281

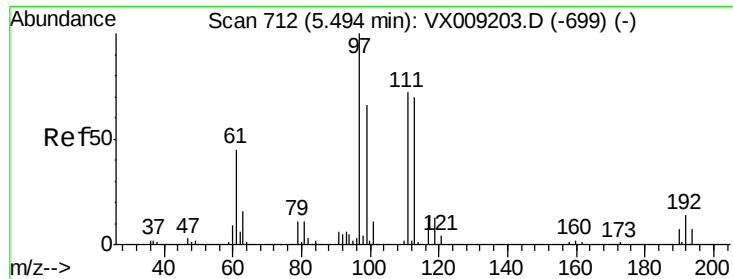
Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.6

88 16.9 0.0 33.2





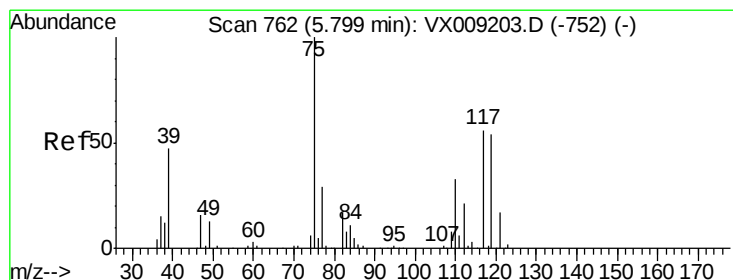
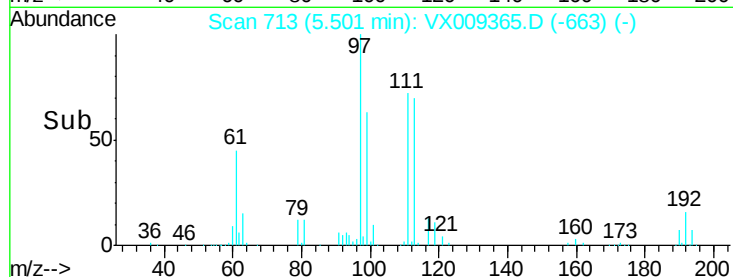
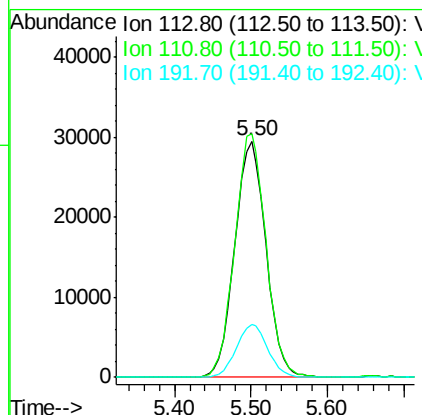
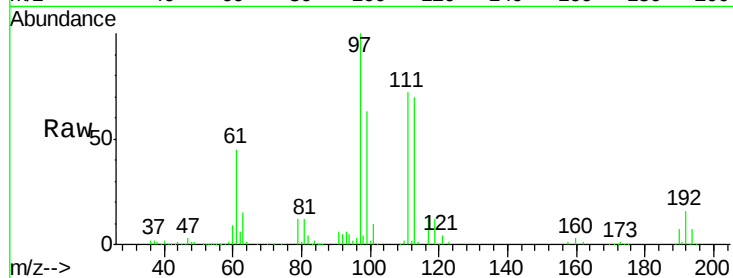
#35
 Dibromofluoromethane
 Concen: 49.577 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009365.D
 Acq: 06 May 2019 20:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	83612		
111	103.1	82.8	124.2	
192	22.5	17.0	25.6	

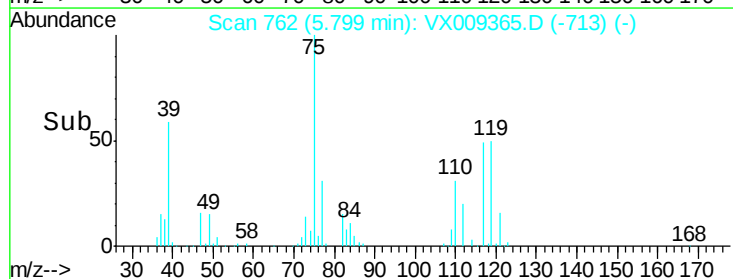
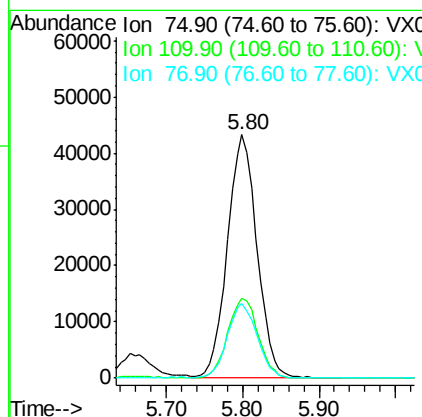
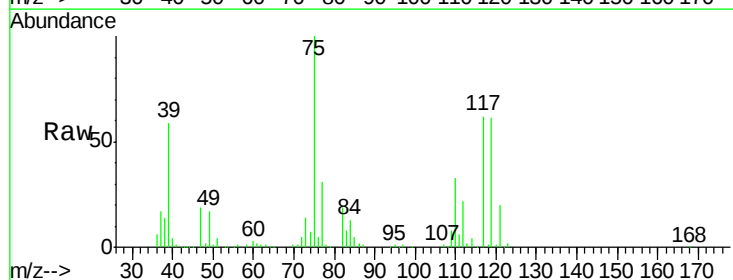
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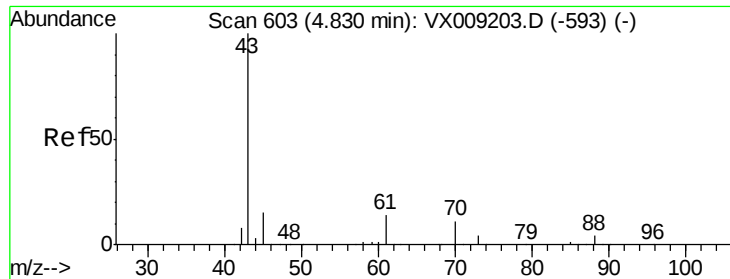
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#36
 1,1-Dichloropropene
 Concen: 46.477 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009365.D
 Acq: 06 May 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	115876		
110	33.9	16.9	50.6	
77	30.7	24.8	37.2	





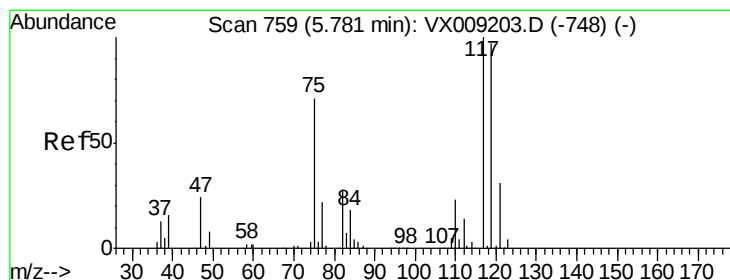
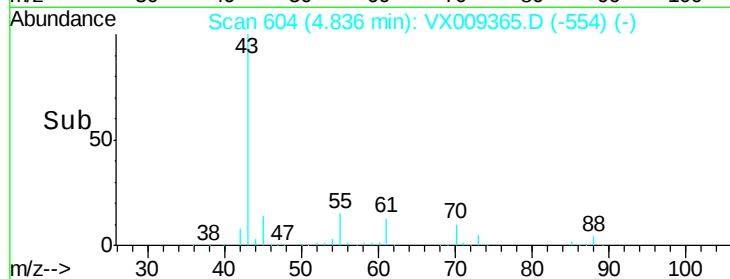
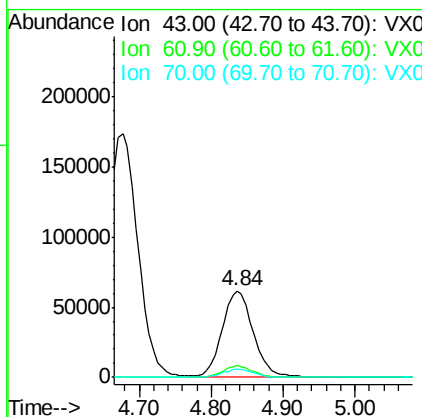
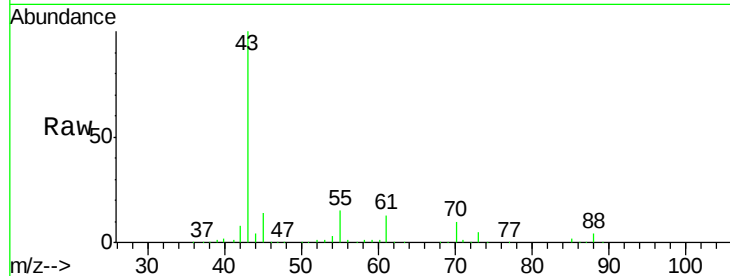
#37
Ethyl Acetate
Concen: 52.919 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.5	15.7
70	9.5	7.9	11.9

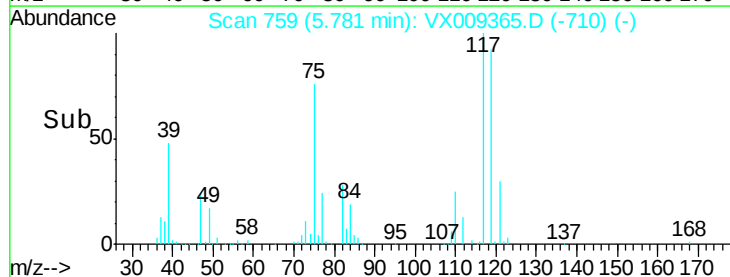
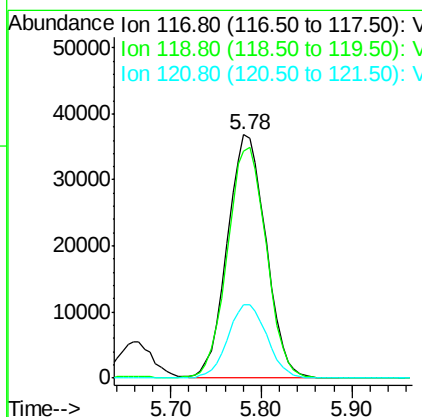
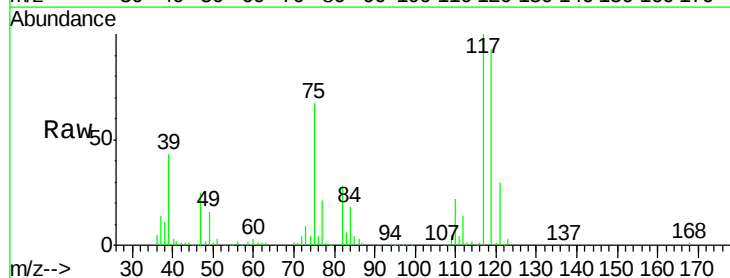
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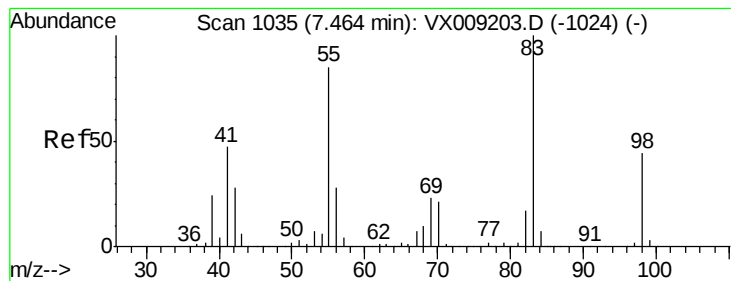
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#38
Carbon Tetrachloride
Concen: 48.106 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.5	116.3
121	30.2	24.7	37.1





#39

Methvlcvclohexane

Concen: 44.891 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 137449

Ion Ratio Lower Upper

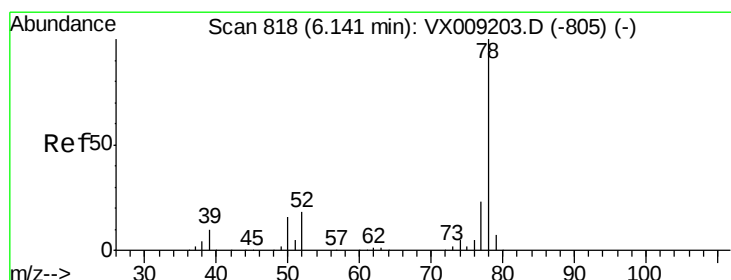
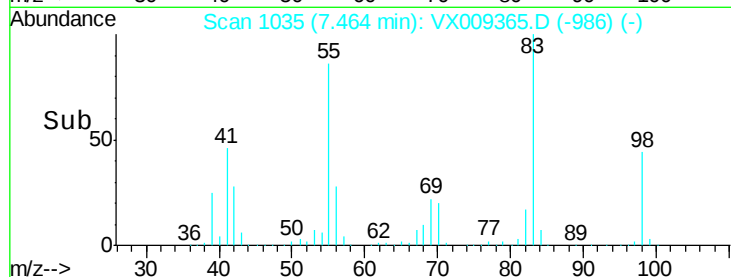
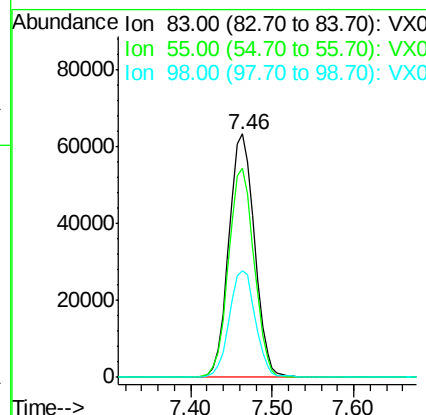
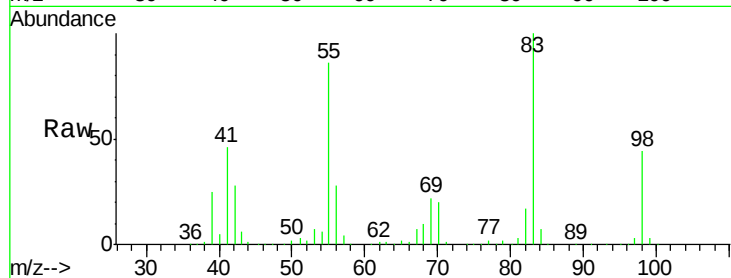
83 100

55 85.8 67.7 101.5

98 43.9 35.5 53.3

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#40

Benzene

Concen: 47.840 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX009365.D

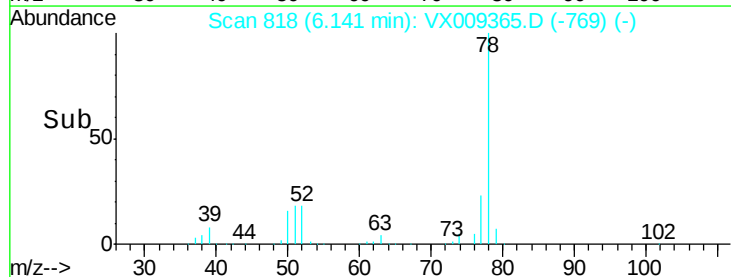
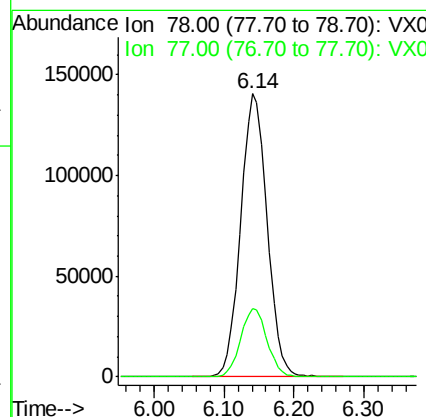
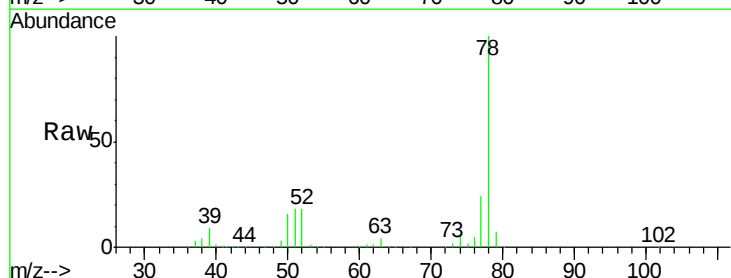
Acq: 06 May 2019 20:56

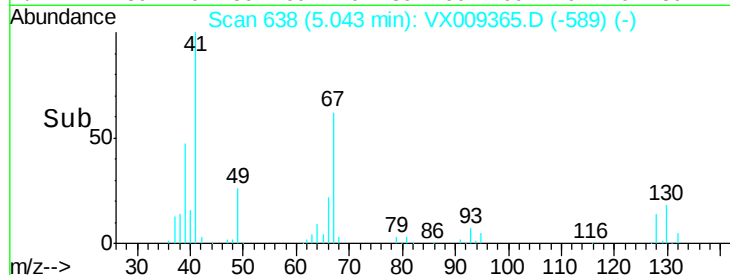
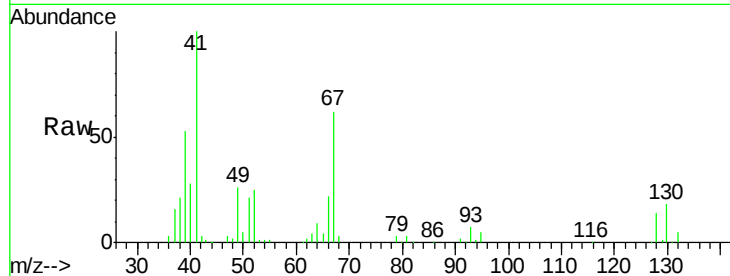
Tgt Ion: 78 Resp: 369130

Ion Ratio Lower Upper

78 100

77 24.0 18.8 28.2





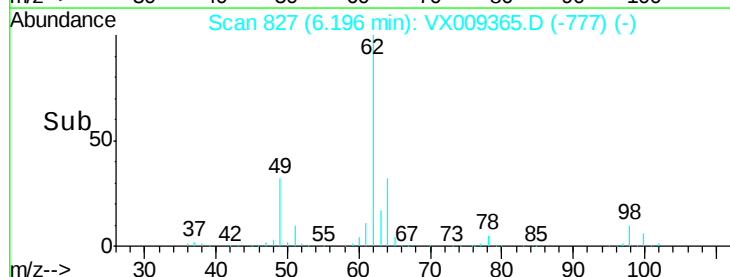
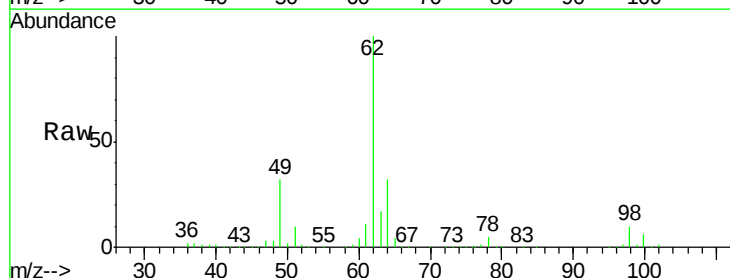
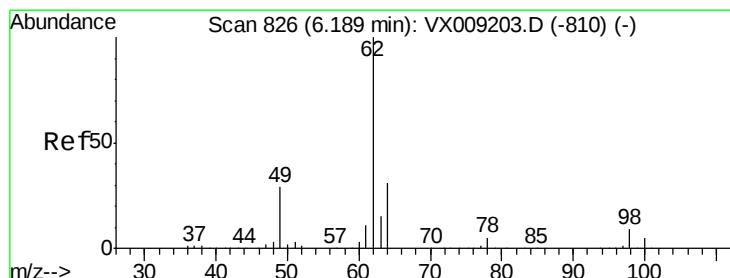
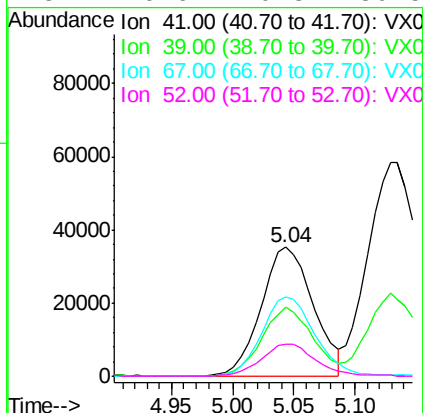
#41
Methacrylonitrile
Concen: 50.612 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		104656		
39	52.1	42.0	63.0		
67	63.2	49.8	74.8		
52	26.6	20.3	30.5		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

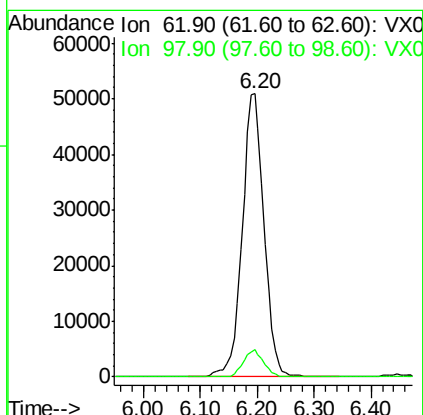
Manual Integrations
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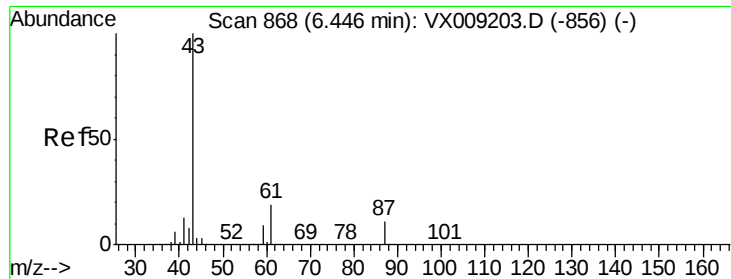
MMDadoda
5/7/2019 9:42:21 AM



#42
1,2-Dichloroethane
Concen: 49.063 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		135798		
98	8.9	0.0	18.2		





#43

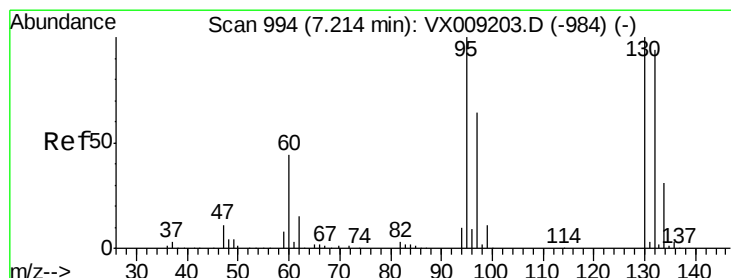
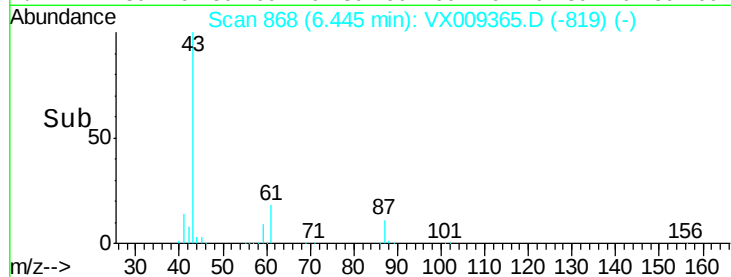
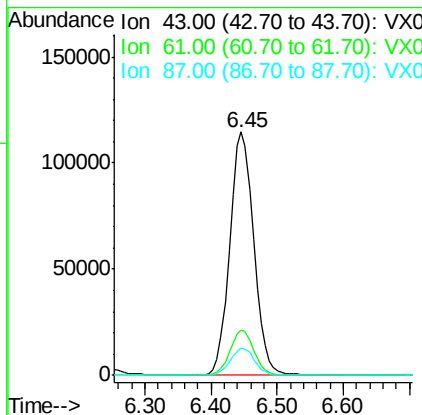
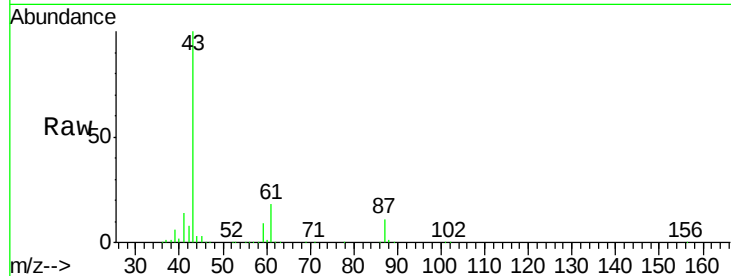
Isopropyl Acetate
 Concen: 51.633 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009365.D
 Acq: 06 May 2019 20:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.1	22.7
87	11.3	9.0	13.6

Manual Integrations
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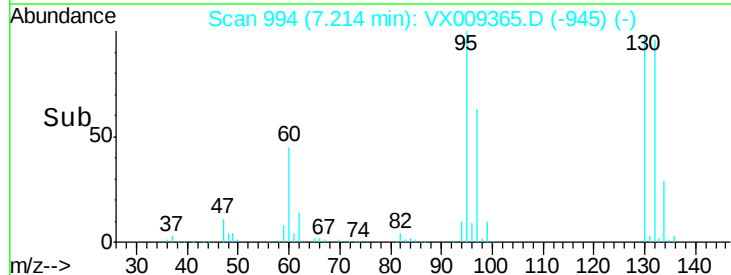
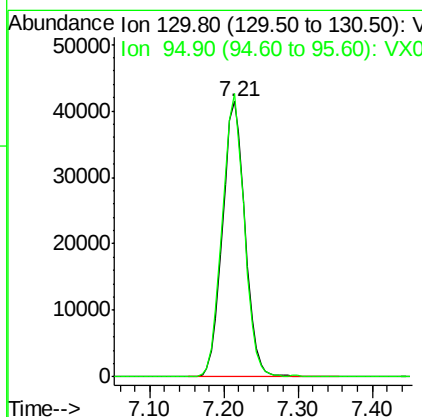
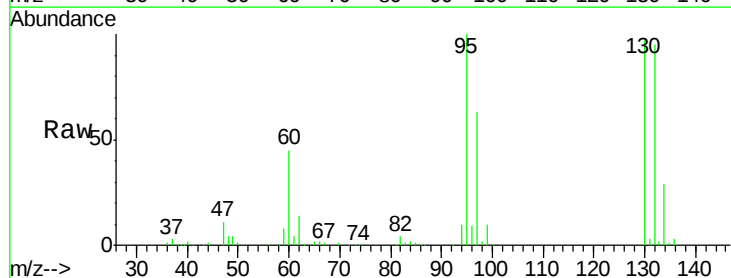
MMDadoda
 5/7/2019 9:42:21 AM

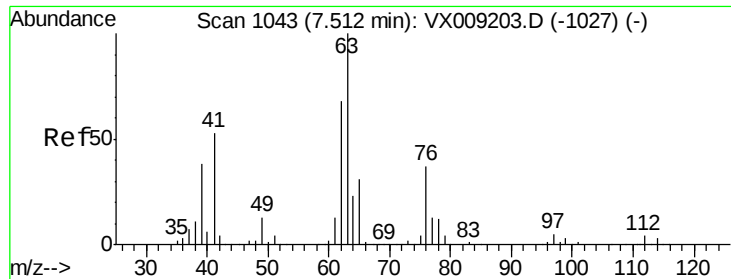


#44

Trichloroethene
 Concen: 46.927 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009365.D
 Acq: 06 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	199.2





#45

1,2-Dichloropropane

Concen: 49.044 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 107154

Ion Ratio Lower Upper

63 100

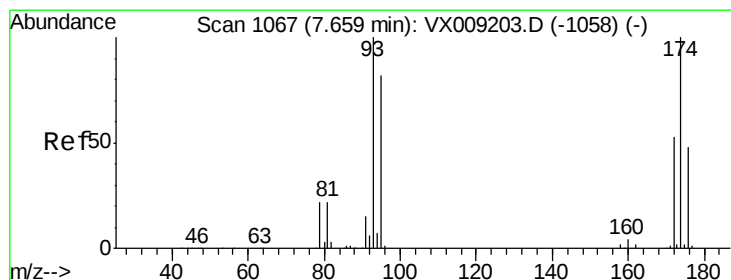
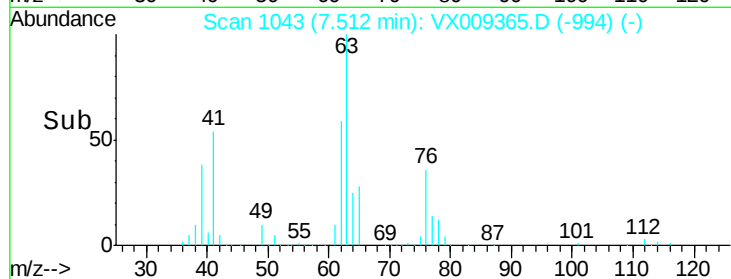
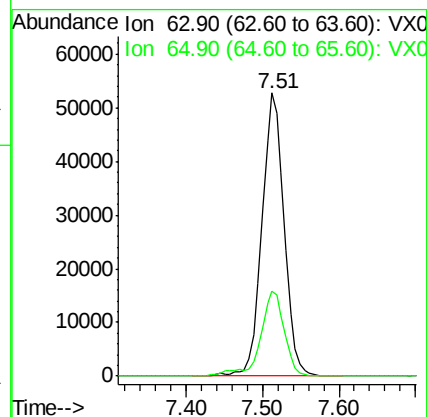
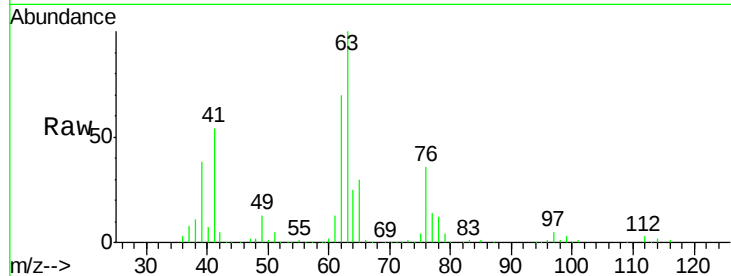
65 29.8 25.0 37.6

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#46

Dibromomethane

Concen: 48.538 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

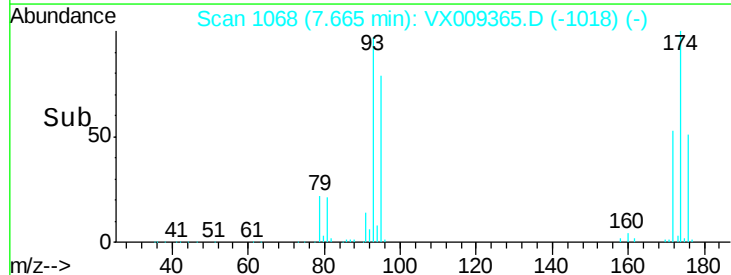
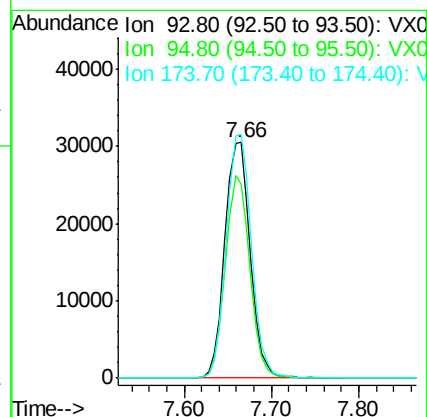
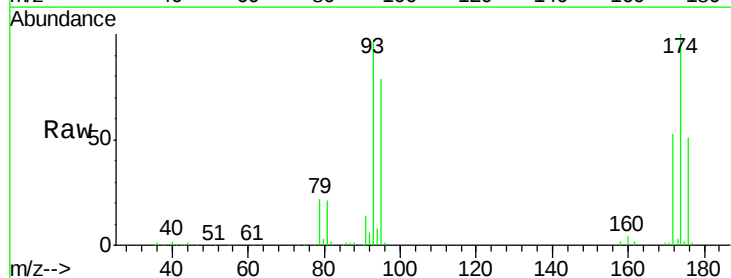
Tgt Ion: 93 Resp: 61582

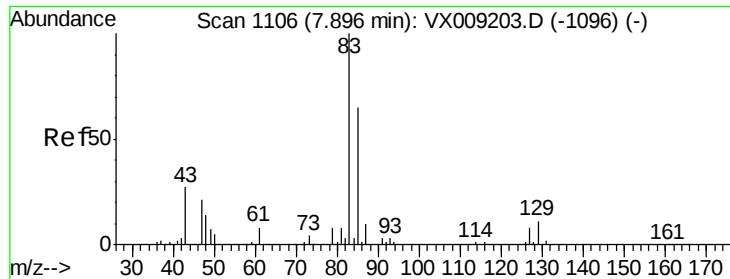
Ion Ratio Lower Upper

93 100

95 82.8 66.5 99.7

174 102.4 82.1 123.1





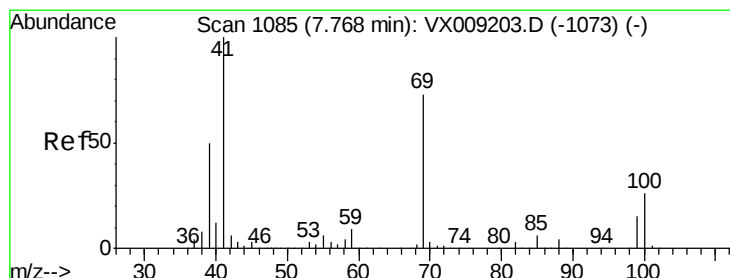
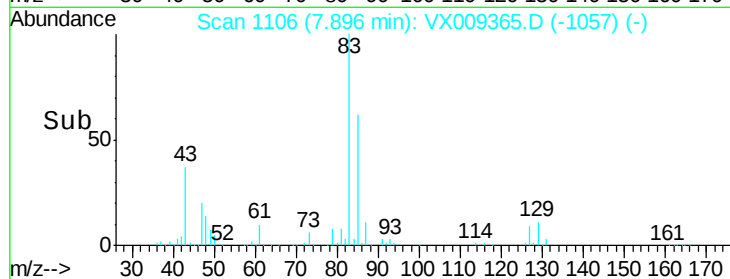
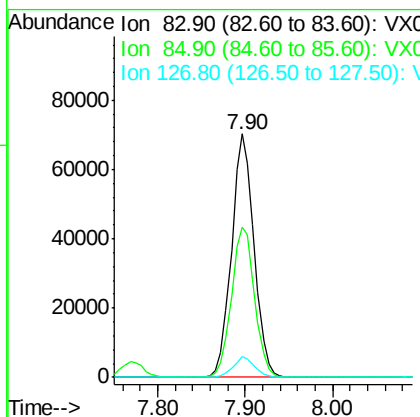
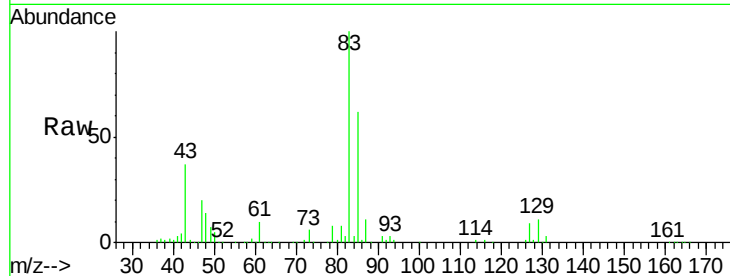
#47
Bromodichloromethane
Concen: 49.635 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	125617
Ion Ratio	100	Lower	Upper
83	100		
85	61.8	52.4	78.6
127	8.6	6.6	10.0

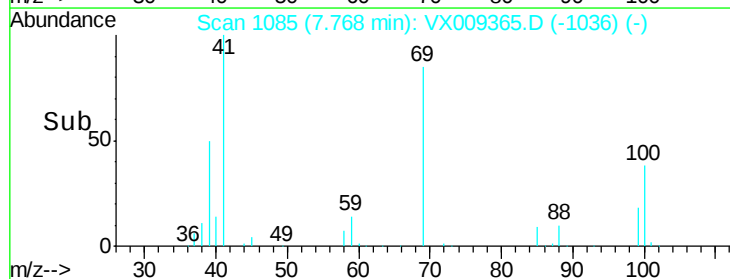
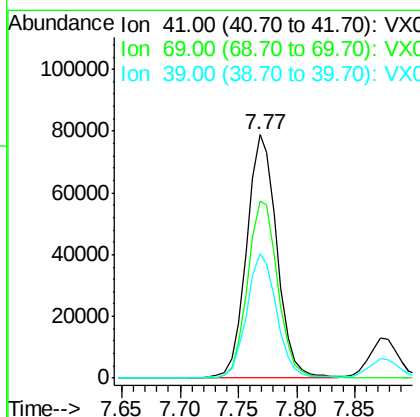
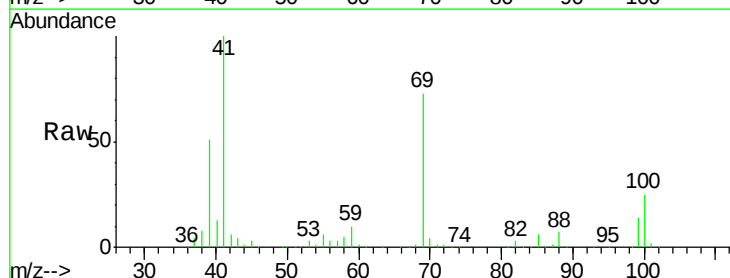
Manual Integrations
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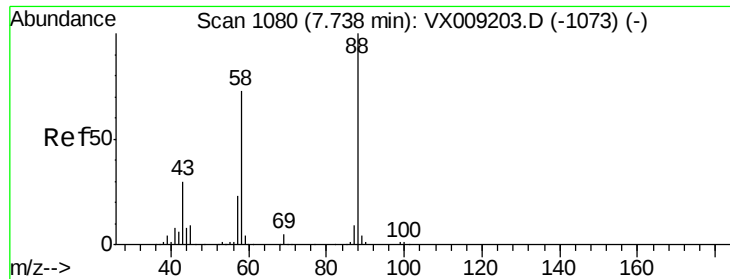
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5/7/2019 9:42:21 AM



#48
Methyl methacrylate
Concen: 51.854 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Tgt Ion	41	Resp	142943
Ion Ratio	100	Lower	Upper
41	100		
69	73.6	59.1	88.7
39	50.7	40.4	60.6





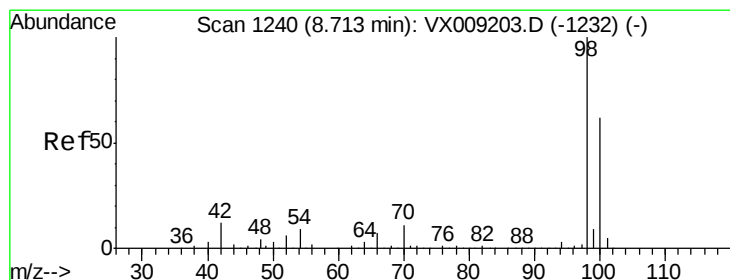
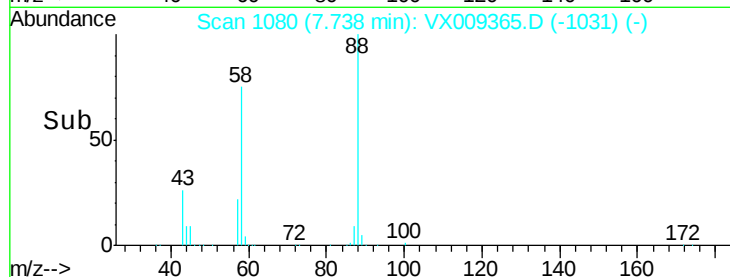
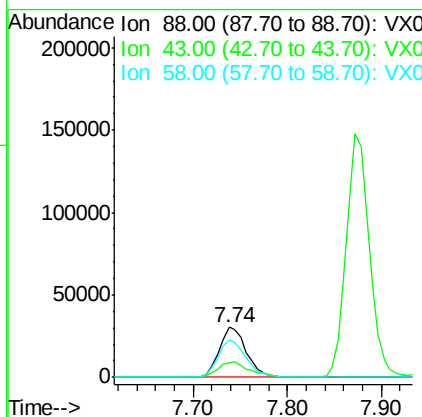
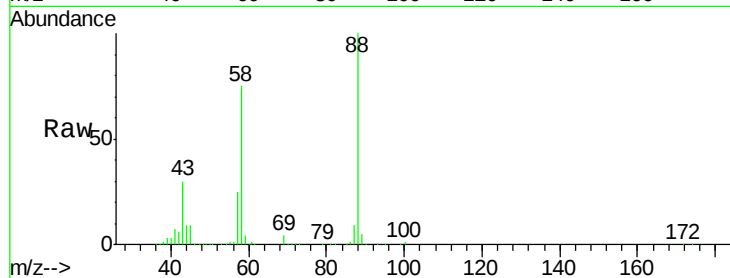
#49
1,4-Dioxane
Concen: 1084.216 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	28.6	42.8
58	77.6	61.7	92.5

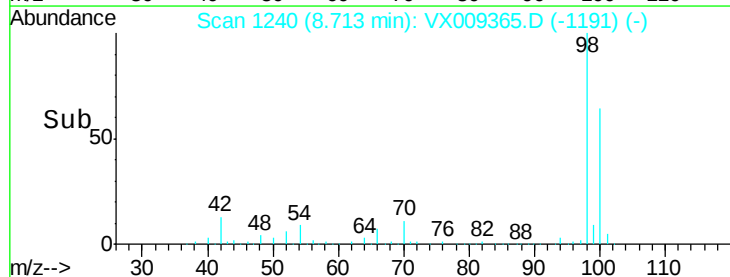
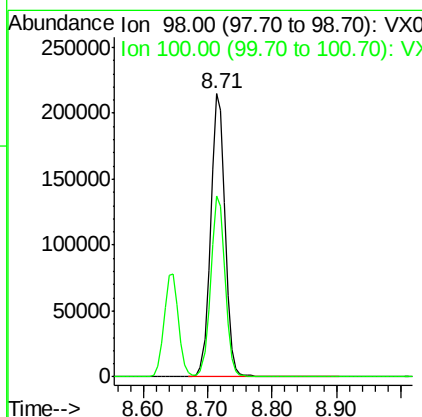
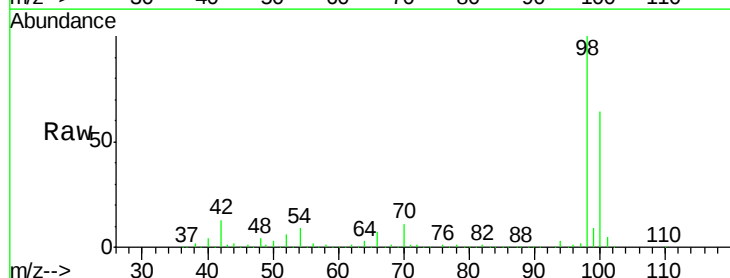
Manual Integrations
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#50
Toluene-d8
Concen: 49.739 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 270.242 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 981462

Ion Ratio Lower Upper

43 100

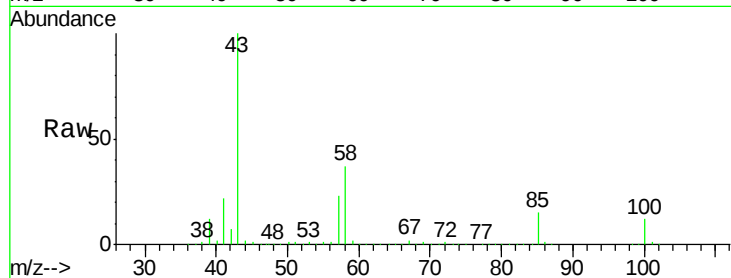
58 36.6 29.5 44.3

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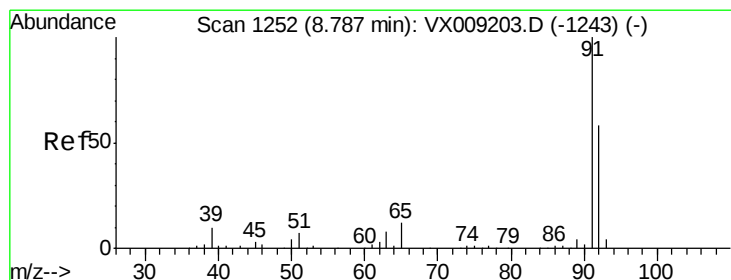
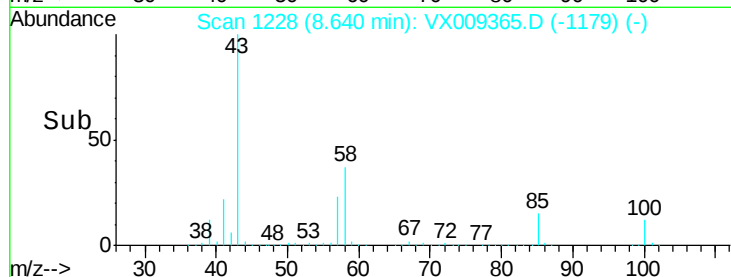
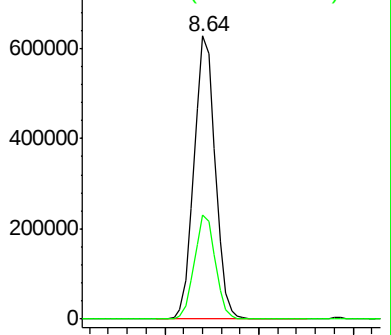
MMDadoda

5/7/2019 9:42:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.037 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009365.D

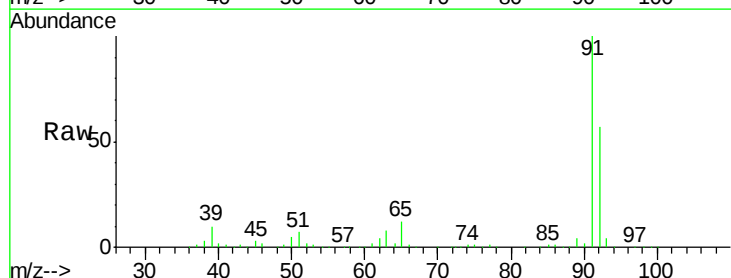
Acq: 06 May 2019 20:56

Tgt Ion: 92 Resp: 225306

Ion Ratio Lower Upper

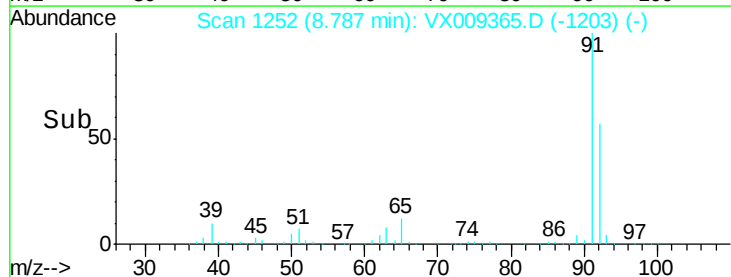
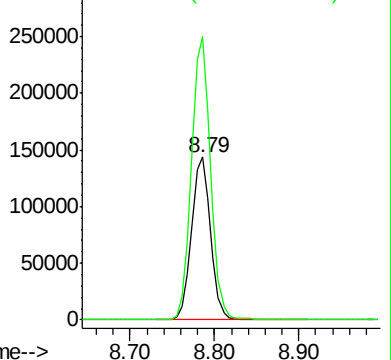
92 100

91 173.5 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 50.100 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 143153

Ion Ratio Lower Upper

75 100

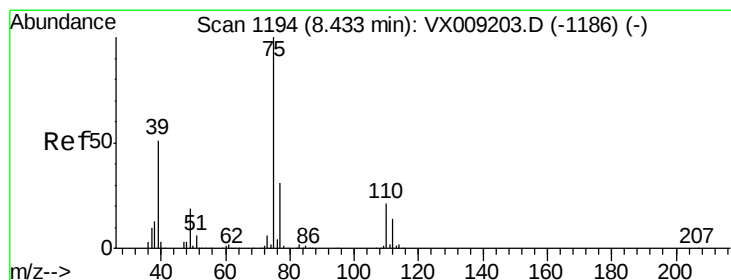
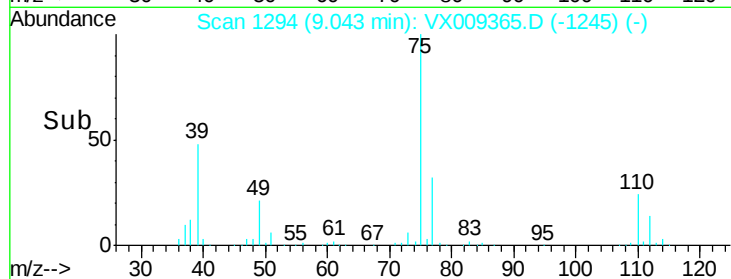
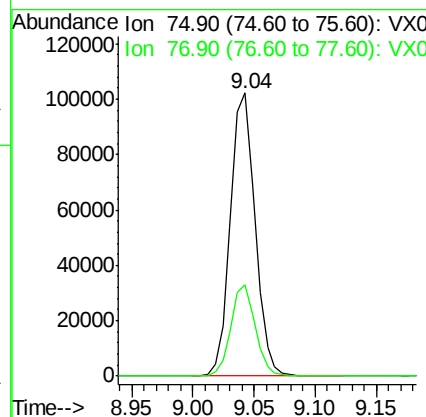
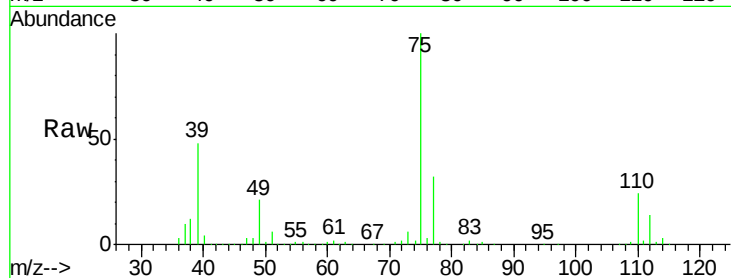
77 32.2 25.0 37.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 49.174 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

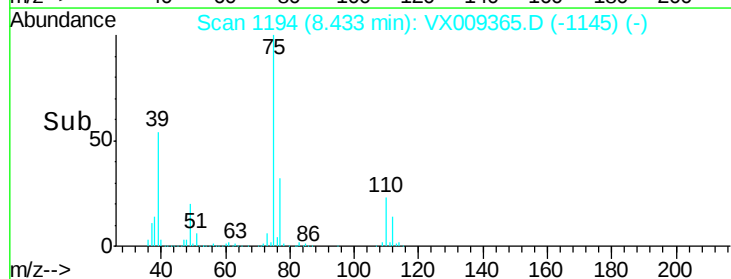
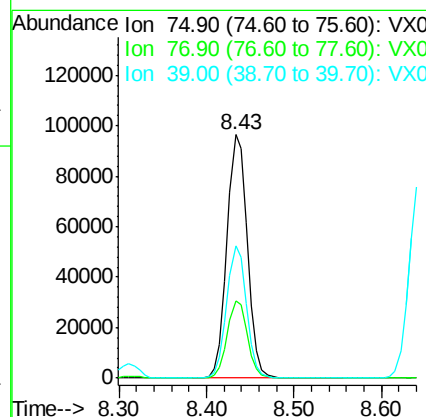
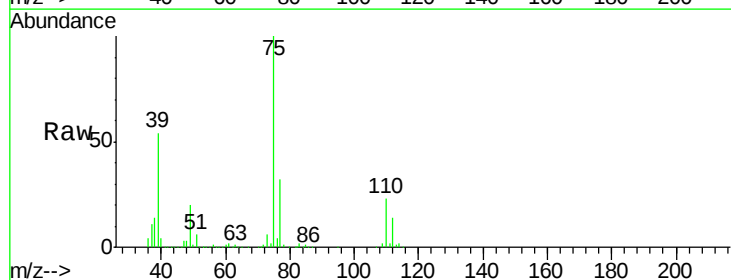
Tgt Ion: 75 Resp: 155520

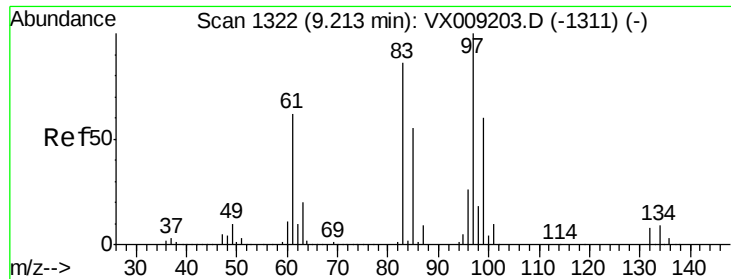
Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8

39 54.3 40.6 60.8





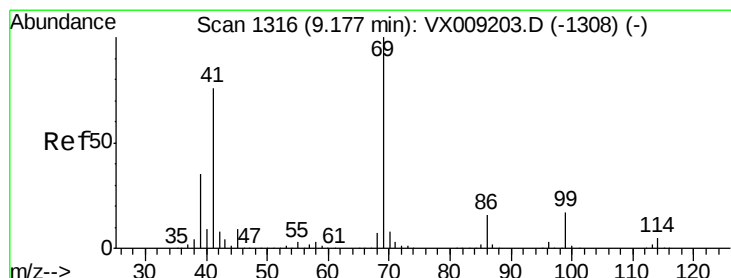
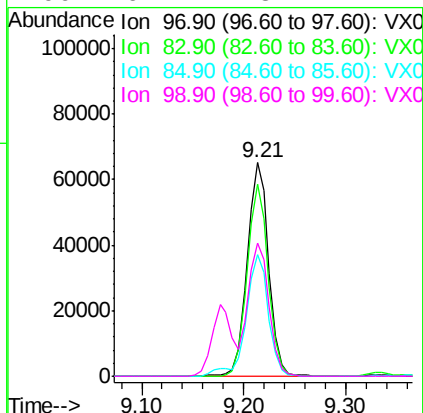
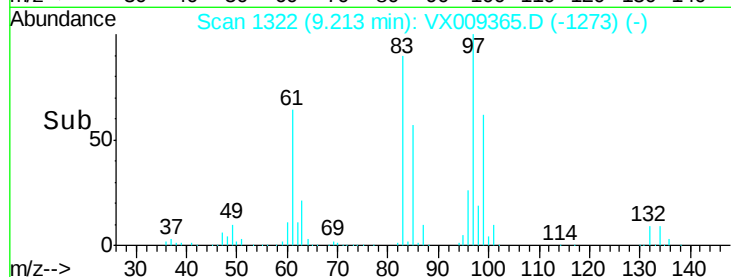
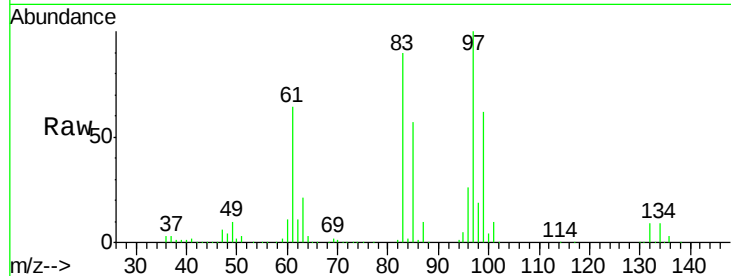
#55
 1,1,2-Trichloroethane
 Concen: 49.706 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009365.D
 Acq: 06 May 2019 20:56

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion:	97	Resp:	95113
Ion	Ratio	Lower	Upper
97	100		
83	90.1	68.9	103.3
85	56.8	43.8	65.6
99	62.4	48.2	72.2

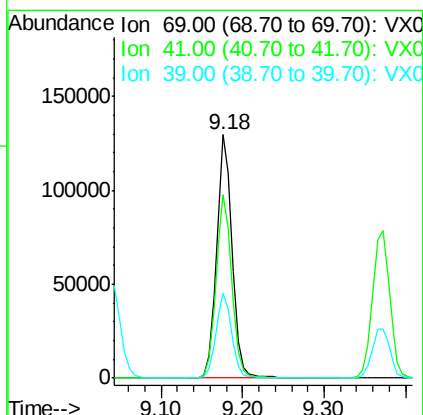
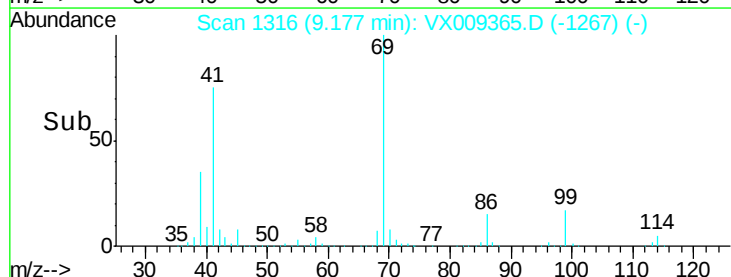
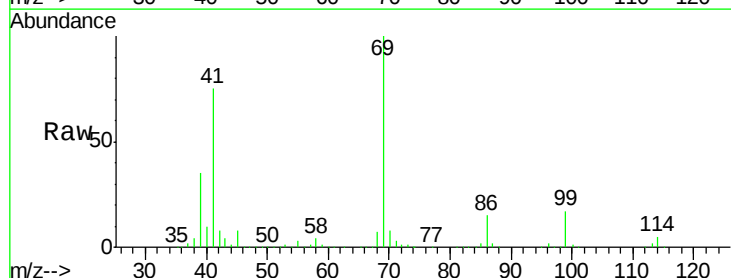
Manual Integrations
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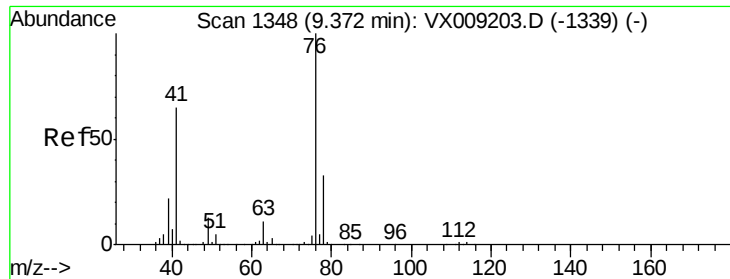
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 5/7/2019 9:42:21 AM



#56
 Ethyl methacrylate
 Concen: 51.408 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009365.D
 Acq: 06 May 2019 20:56

Tgt Ion:	69	Resp:	175596
Ion	Ratio	Lower	Upper
69	100		
41	76.3	60.6	90.8
39	35.4	28.2	42.4





#57

1,3-Dichloropropane

Concen: 49.251 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 165844

Ion Ratio Lower Upper

76 100

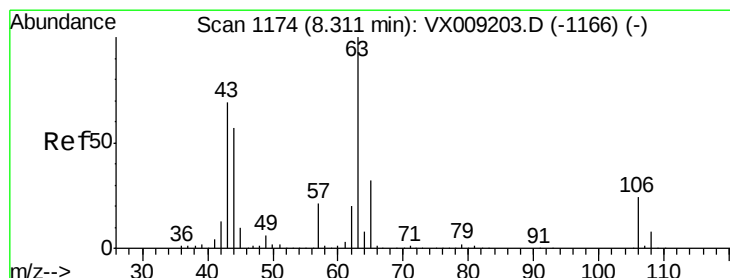
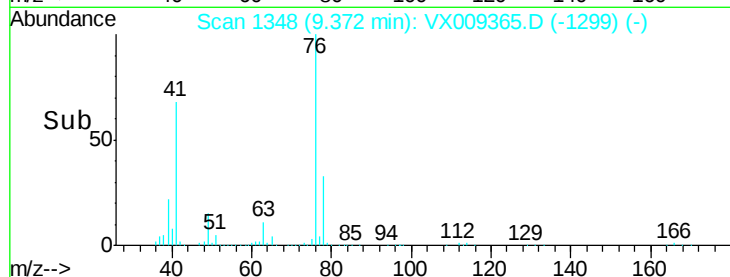
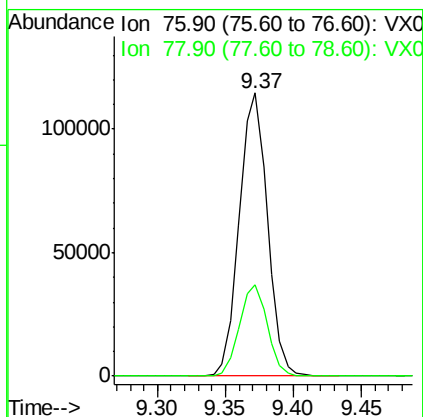
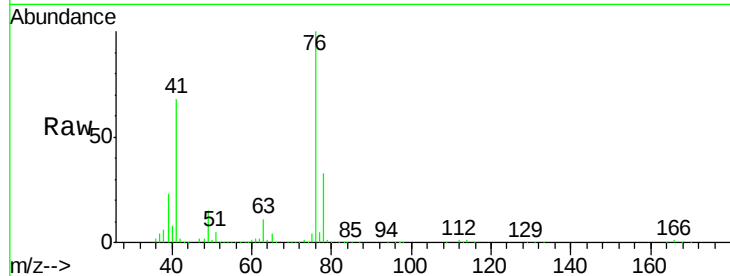
78 32.1 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 251.986 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009365.D

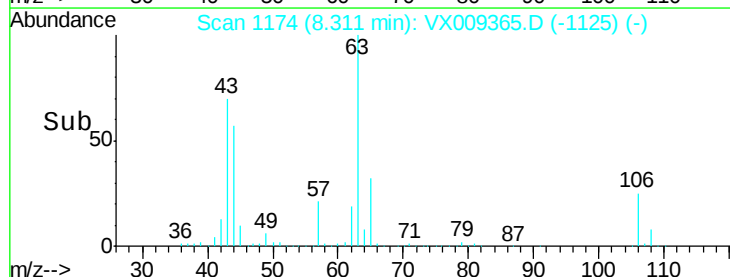
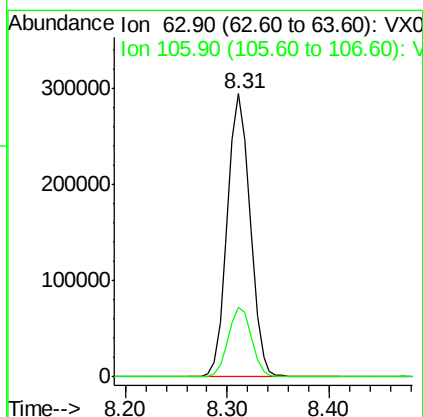
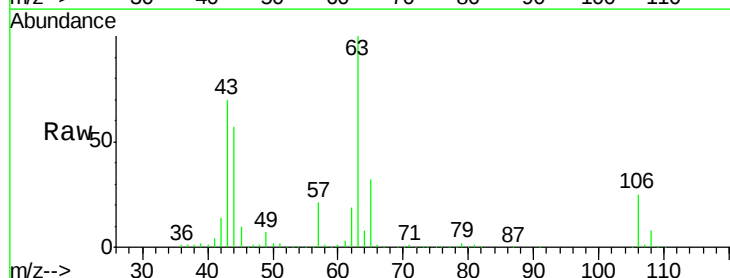
Acq: 06 May 2019 20:56

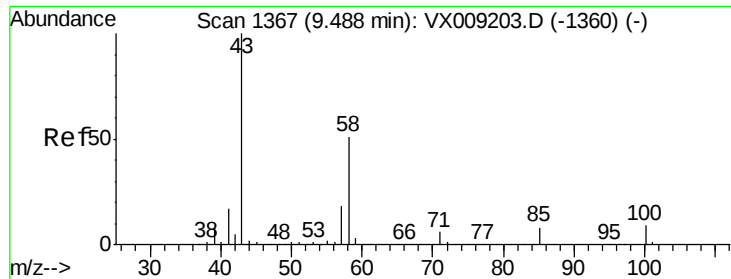
Tgt Ion: 63 Resp: 456607

Ion Ratio Lower Upper

63 100

106 25.0 19.7 29.5





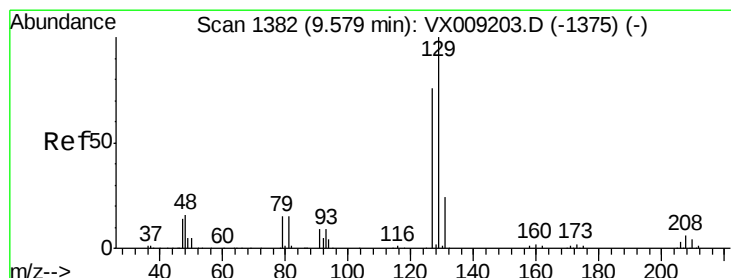
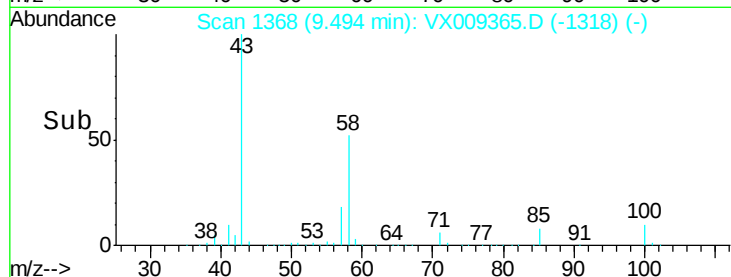
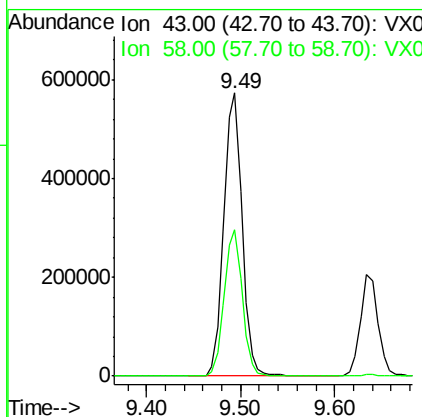
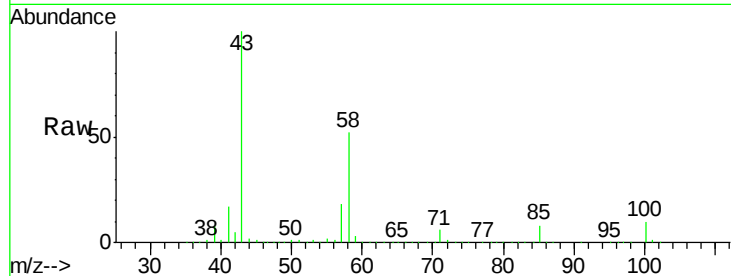
#59
2-Hexanone
Concen: 270.892 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 772681
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.7

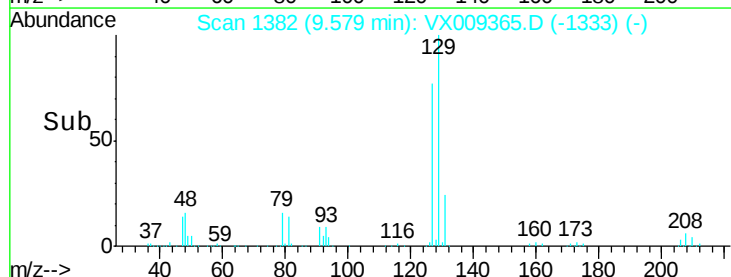
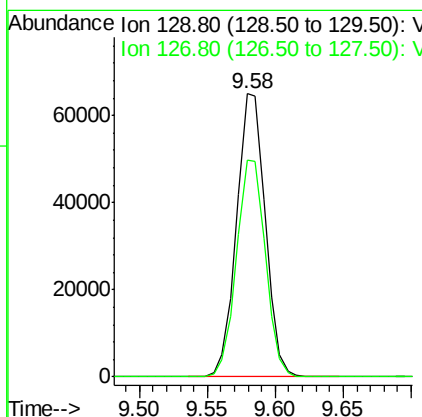
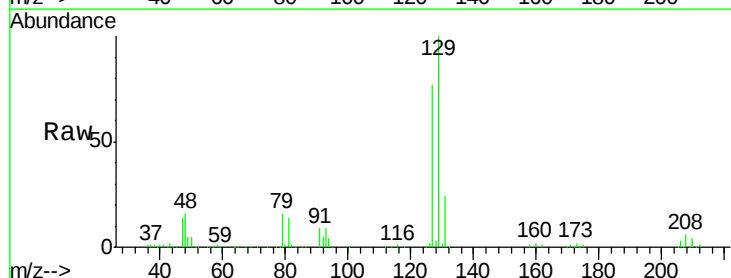
Manual Integrations
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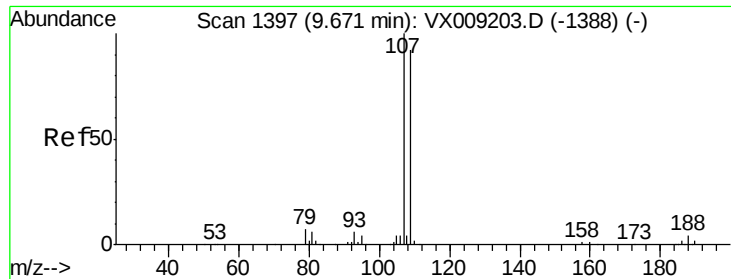
MMDadoda
5/7/2019 9:42:21 AM



#60
Dibromochloromethane
Concen: 51.233 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Tgt Ion:129 Resp: 95749
Ion Ratio Lower Upper
129 100
127 77.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 50.004 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 96586

Ion Ratio Lower Upper

107 100

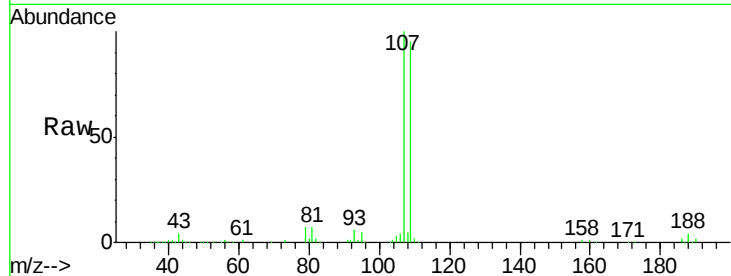
109 94.3 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

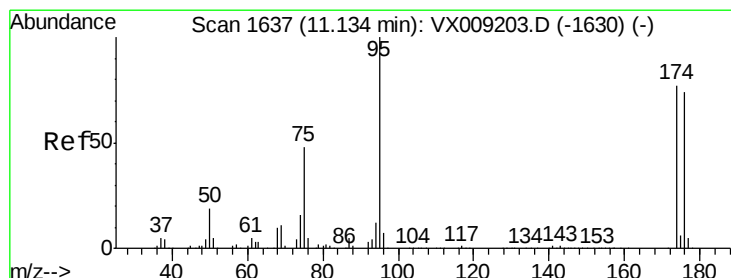
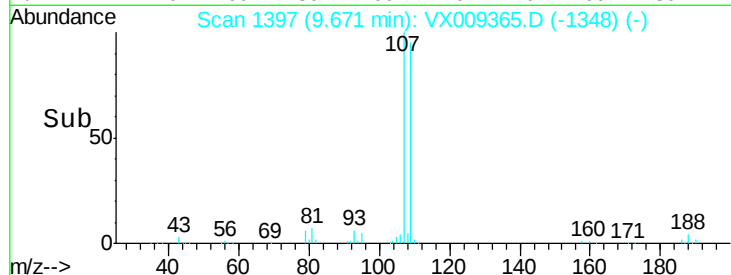
40000

20000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 50.202 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

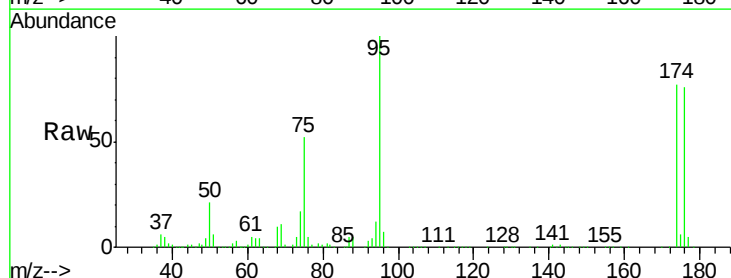
Tgt Ion: 95 Resp: 124204

Ion Ratio Lower Upper

95 100

174 81.8 0.0 161.6

176 80.7 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

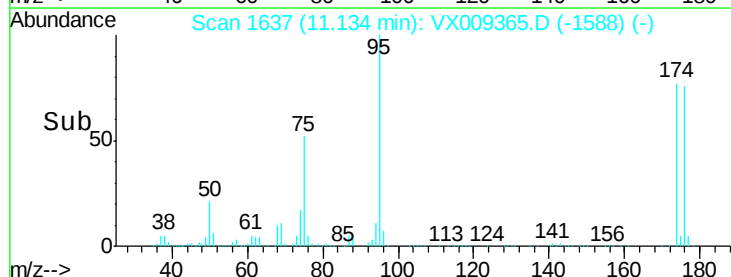
40000

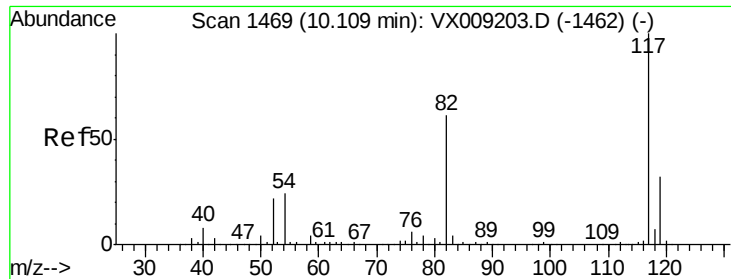
20000

0

Time-->

11.10 11.20





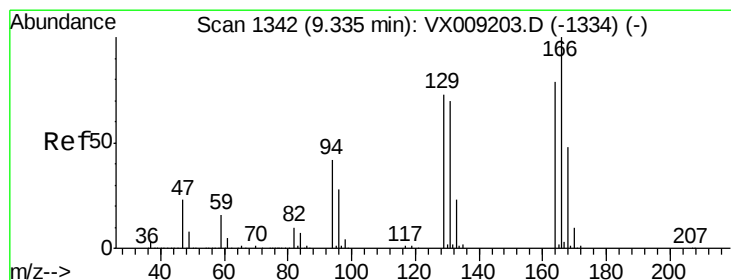
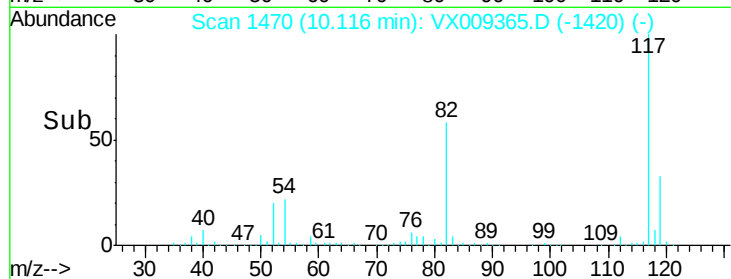
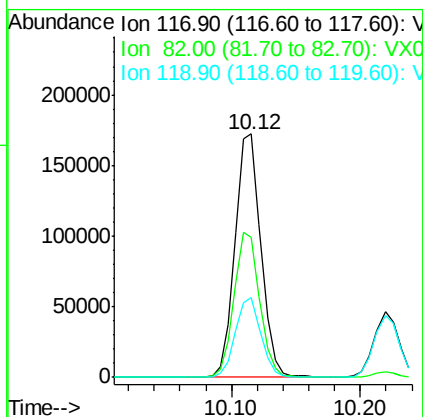
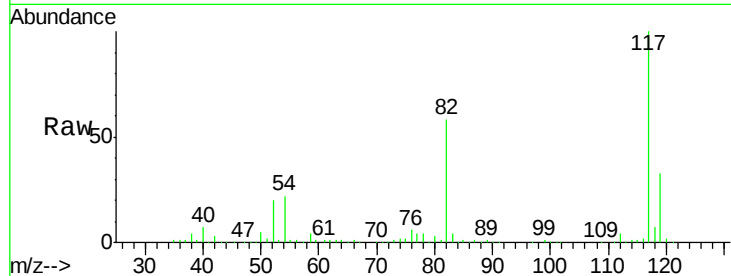
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	48.8	73.2
119	32.9	25.8	38.6

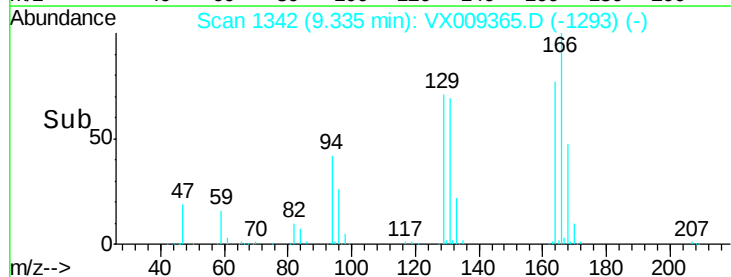
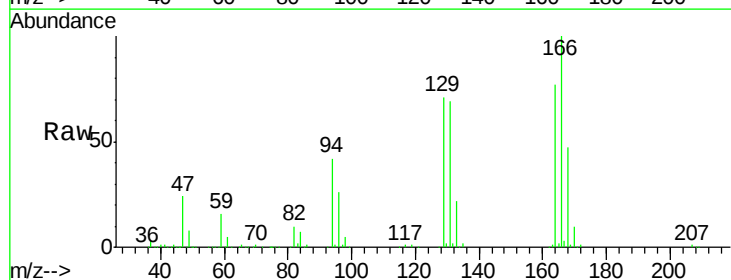
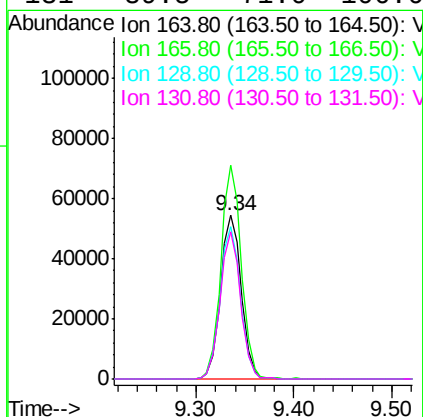
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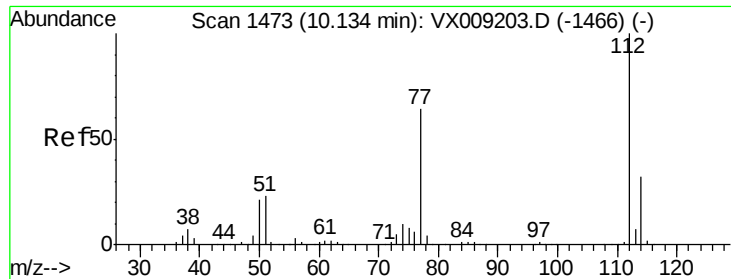
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#64
Tetrachloroethene
Concen: 48.317 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	101.2	151.8
129	93.0	74.3	111.5
131	89.5	71.0	106.6





#65

Chlorobenzene

Concen: 48.965 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 236577

Ion Ratio Lower Upper

112 100

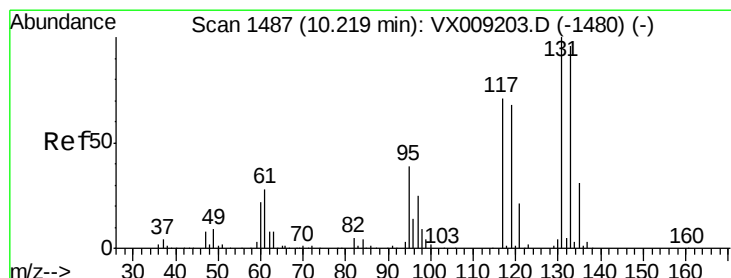
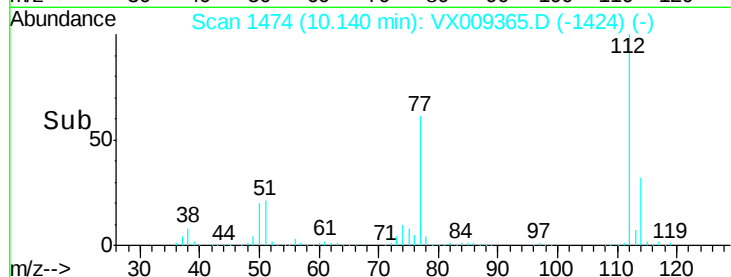
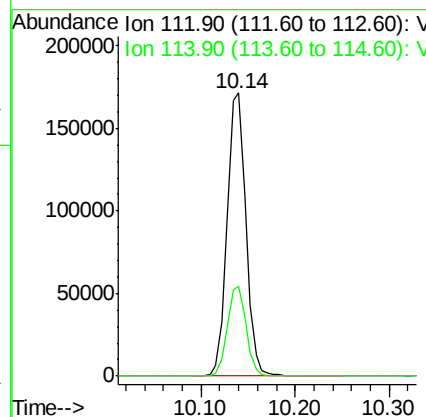
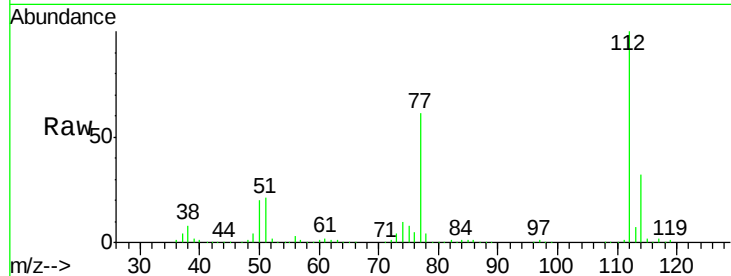
114 31.9 25.5 38.3

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 50.348 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

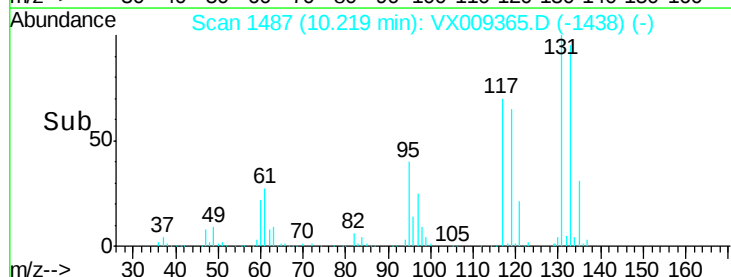
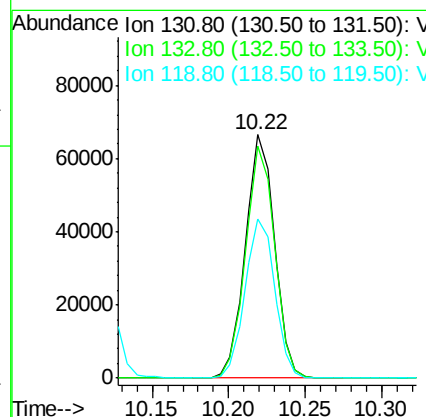
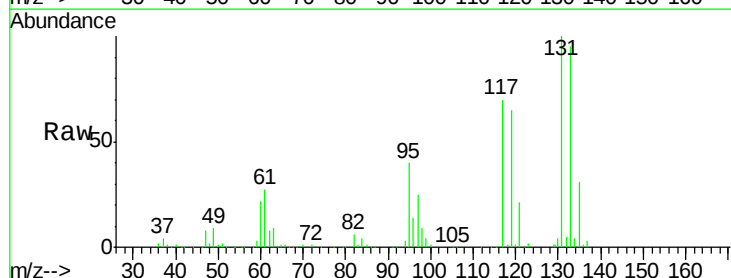
Tgt Ion:131 Resp: 88192

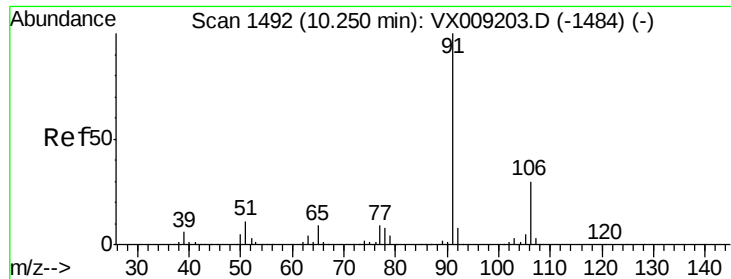
Ion Ratio Lower Upper

131 100

133 95.3 47.7 143.1

119 66.8 33.5 100.4





#67

Ethyl Benzene

Concen: 48.726 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 433265

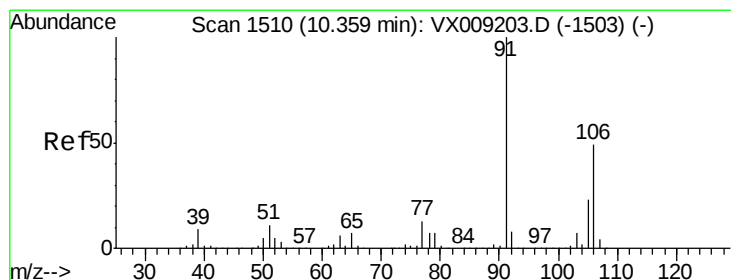
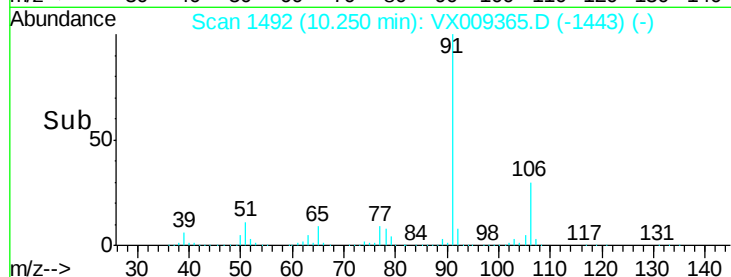
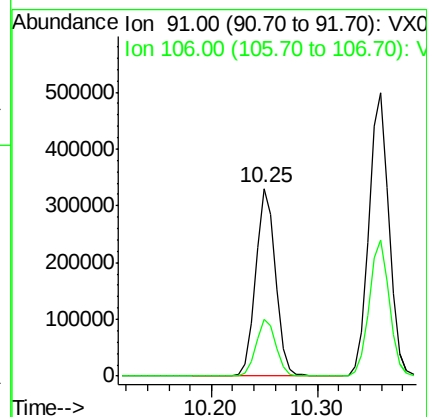
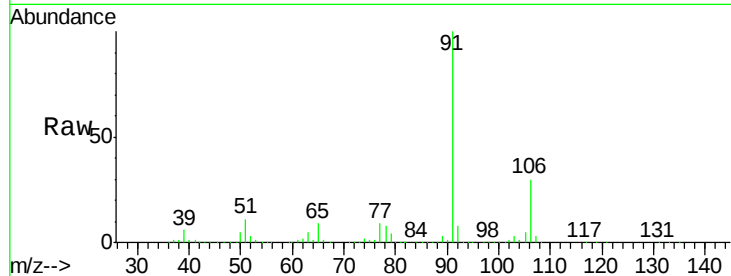
Ion Ratio Lower Upper

91 100

106 30.4 24.0 36.0

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#68

m/p-Xylenes

Concen: 98.047 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009365.D

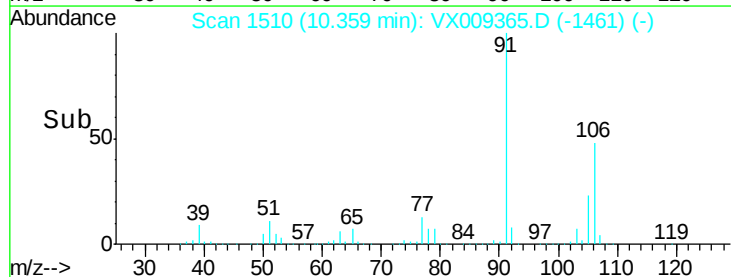
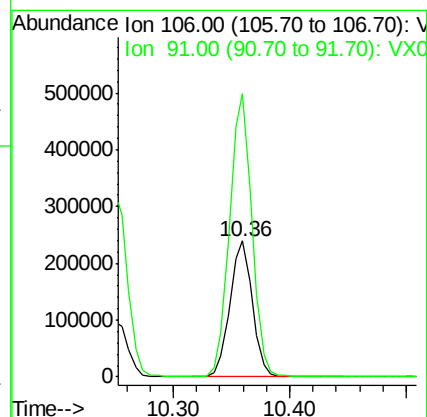
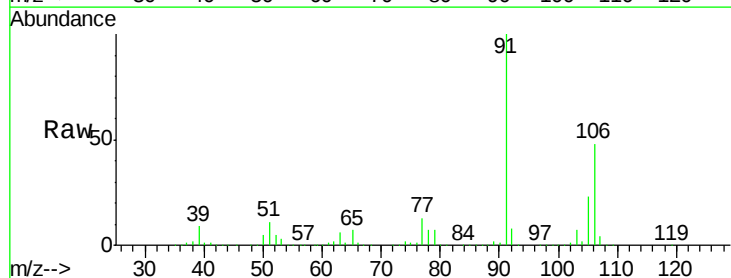
Acq: 06 May 2019 20:56

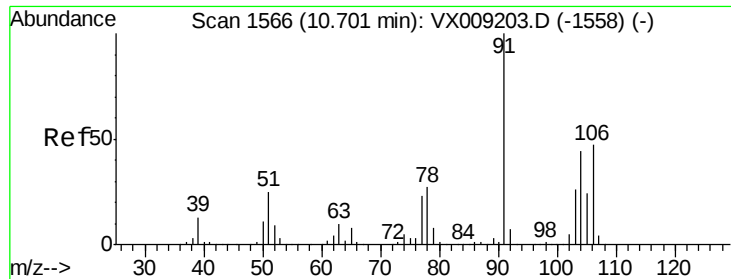
Tgt Ion: 106 Resp: 318593

Ion Ratio Lower Upper

106 100

91 207.1 164.0 246.0





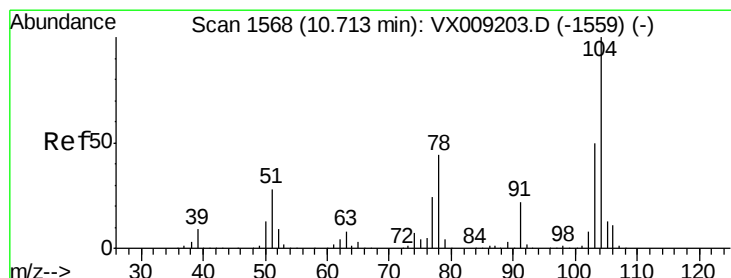
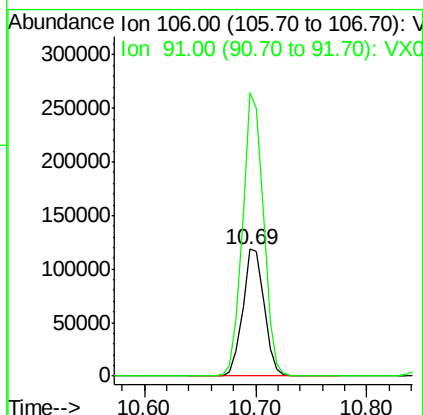
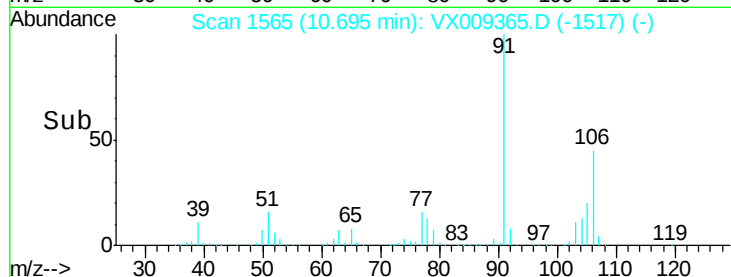
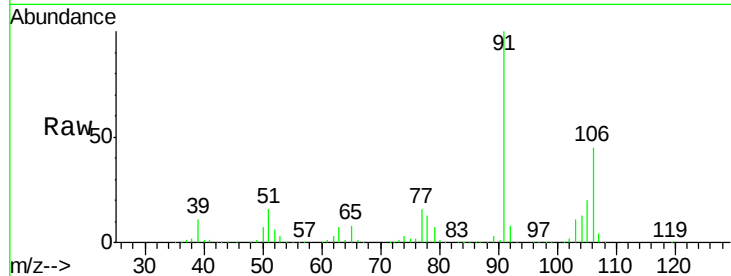
#69
o-Xylene
Concen: 49.110 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 157446
Ion Ratio Lower Upper
106 100
91 218.9 109.5 328.4

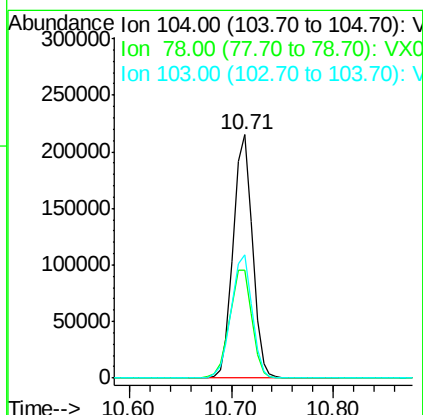
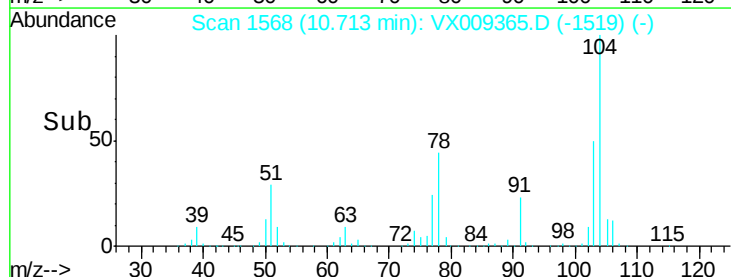
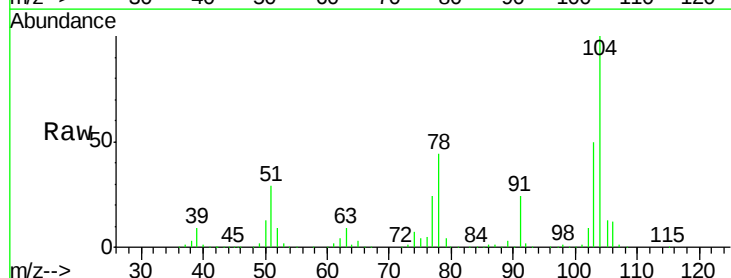
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#70
Styrene
Concen: 50.295 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Tgt Ion:104 Resp: 280254
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.4
103 55.0 43.8 65.6





#71

Bromoform

Concen: 53.162 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 75675

Ion Ratio Lower Upper

173 100

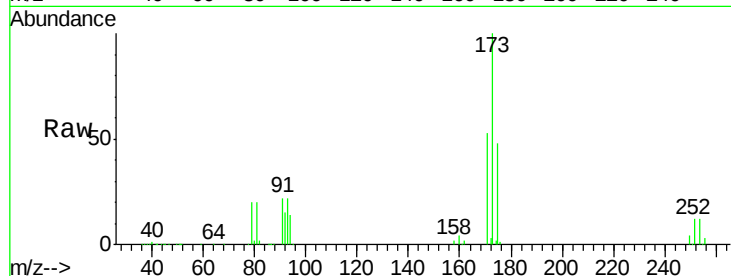
175 48.1 24.5 73.5

254 0.2 0.1 0.1#

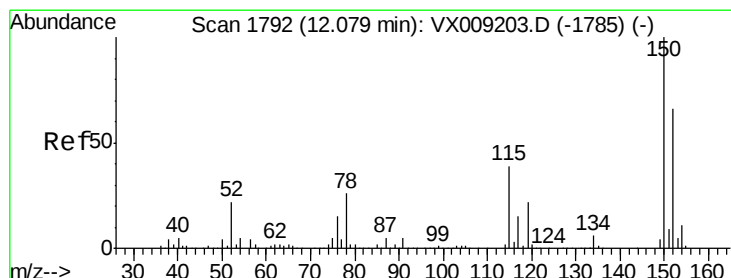
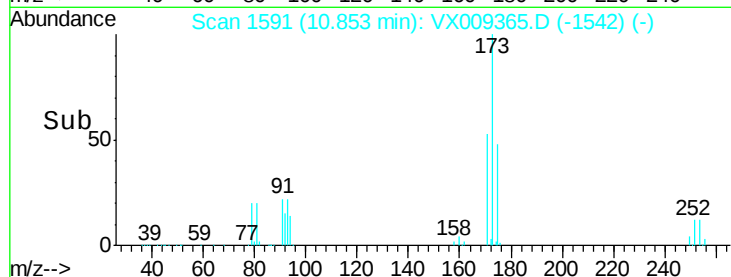
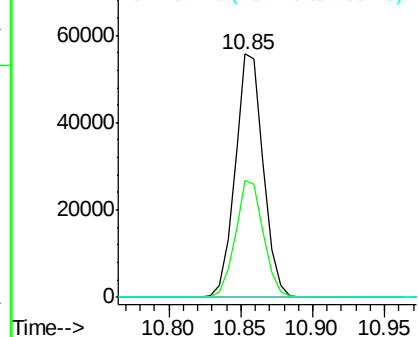
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

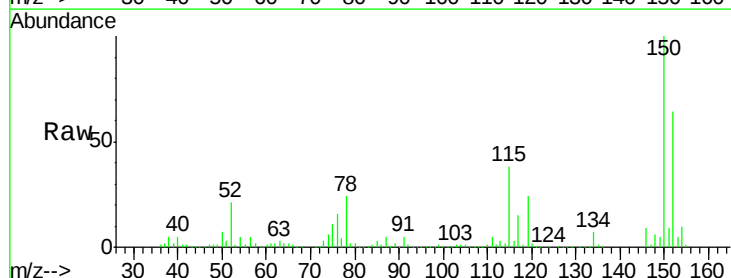
Tgt Ion:152 Resp: 121477

Ion Ratio Lower Upper

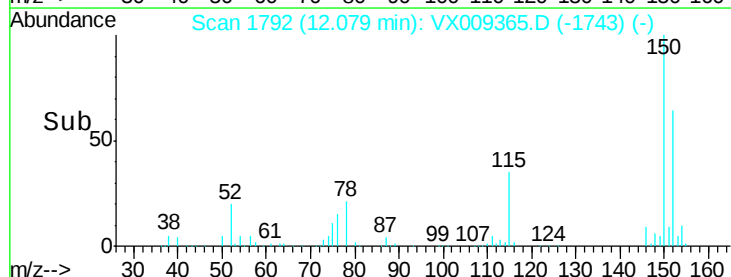
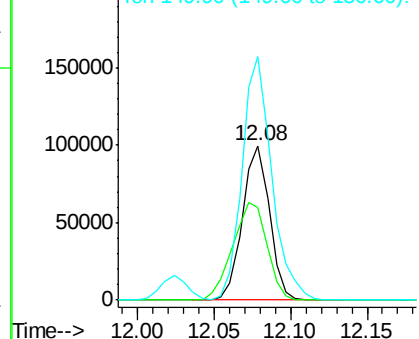
152 100

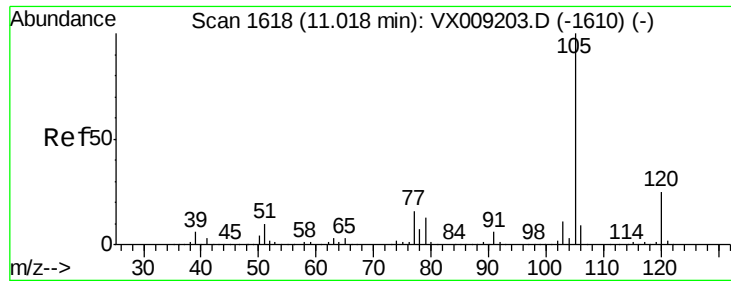
115 80.4 41.2 123.6

150 173.3 0.0 346.4



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: 47.697 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 421338

Ion Ratio Lower Upper

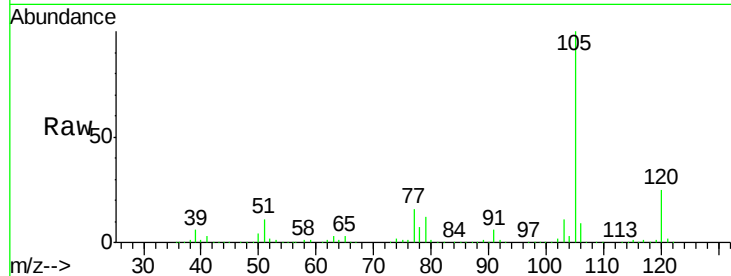
105 100

120 25.5 12.8 38.3

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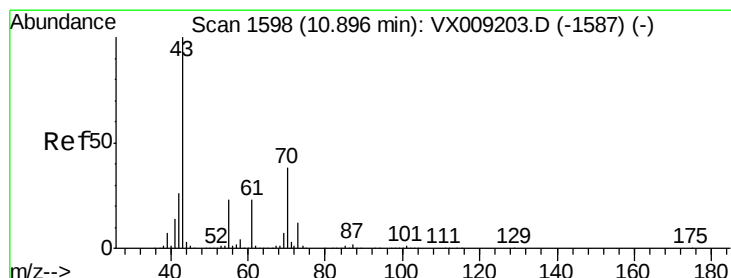
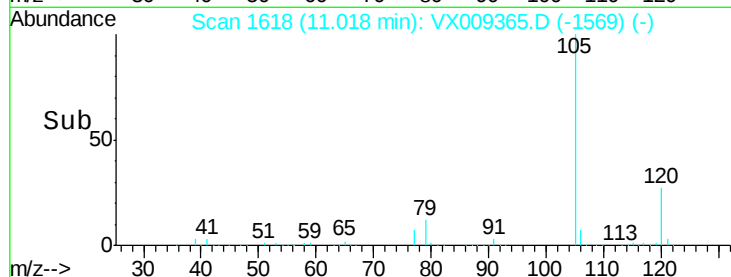
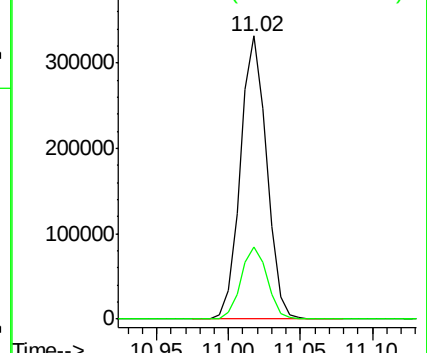
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.369 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Tgt Ion: 43 Resp: 264557

Ion Ratio Lower Upper

43 100

70 37.1 30.0 45.0

55 22.6 17.9 26.9

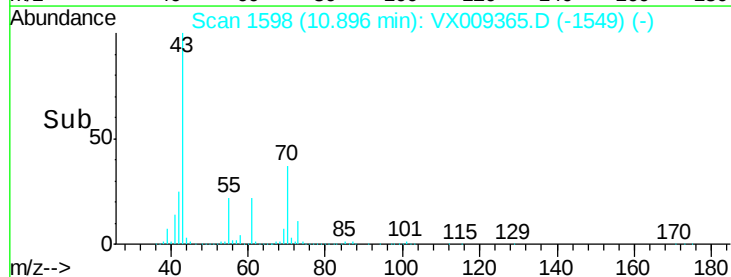
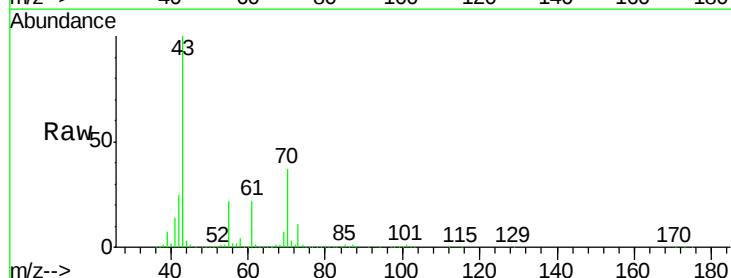
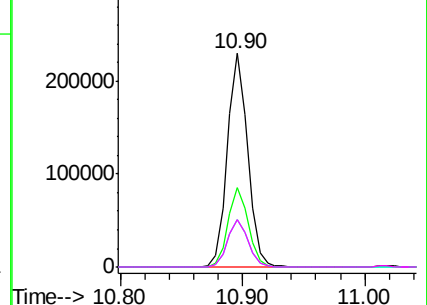
61 22.1 18.4 27.6

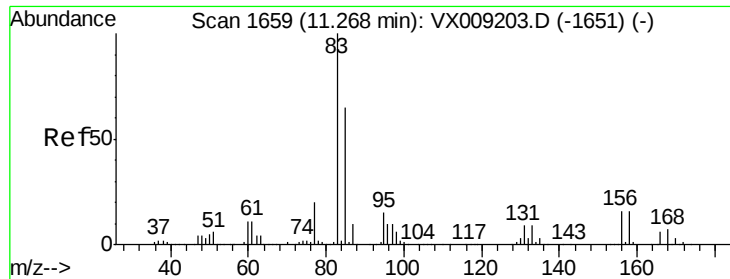
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 50.256 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

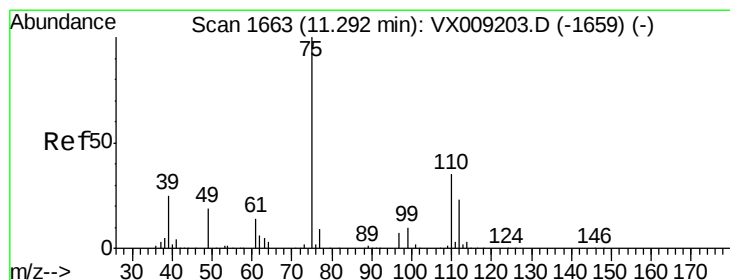
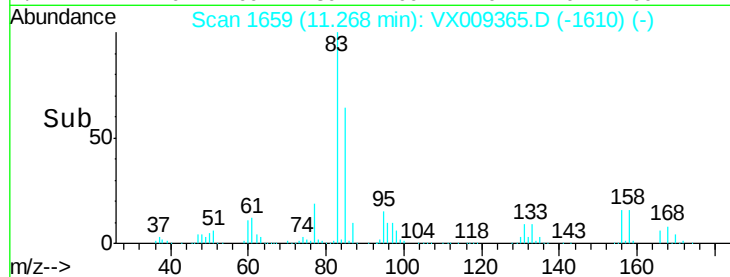
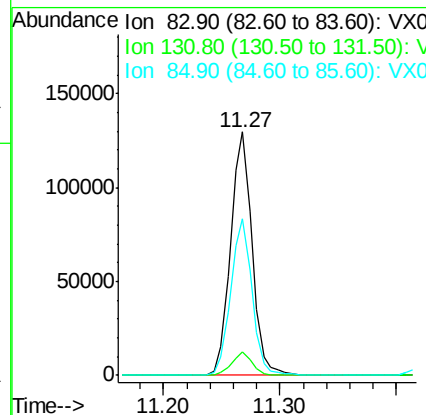
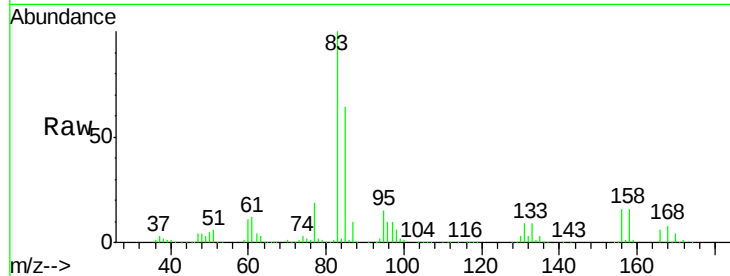
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	165497
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.6	13.8
85	64.3	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 50.198 ug/l m

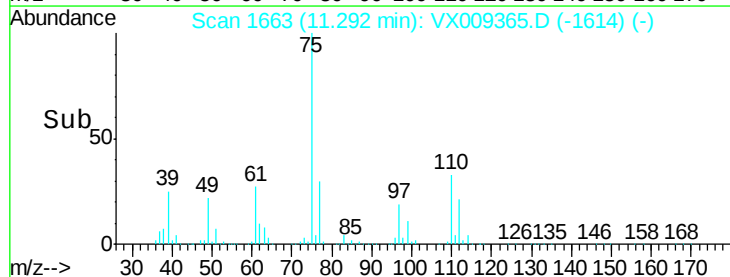
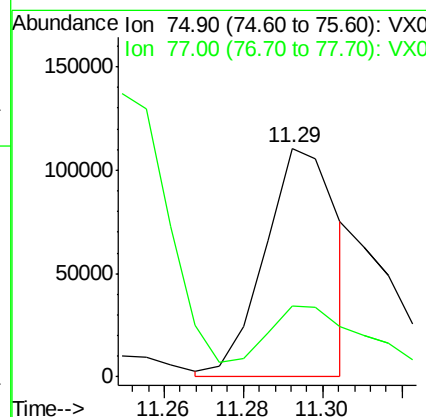
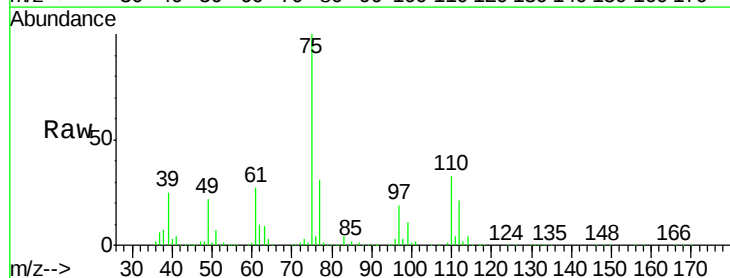
RT: 11.29 min Scan# 1663

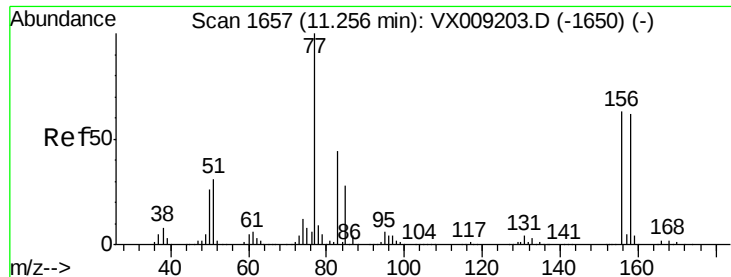
Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Tgt Ion:	75	Resp:	141449
Ion Ratio	Lower	Upper	
75	100		
77	44.0	22.1	66.1





#77

Bromobenzene

Concen: 48.617 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

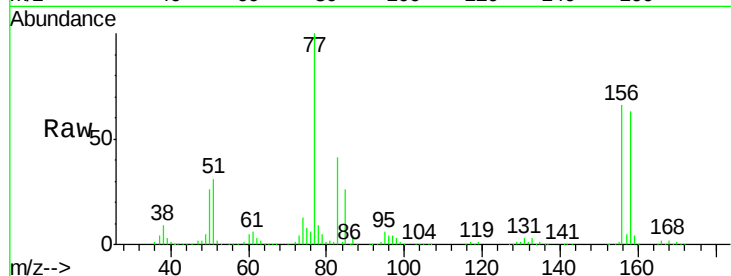
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	106595
Ion Ratio	Lower	Upper	
156	100		
77	165.7	84.8	254.3
158	96.4	49.1	147.3

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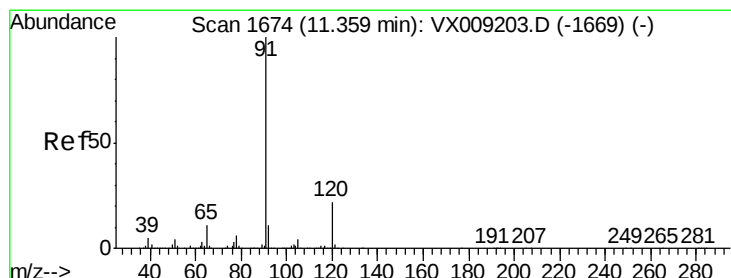
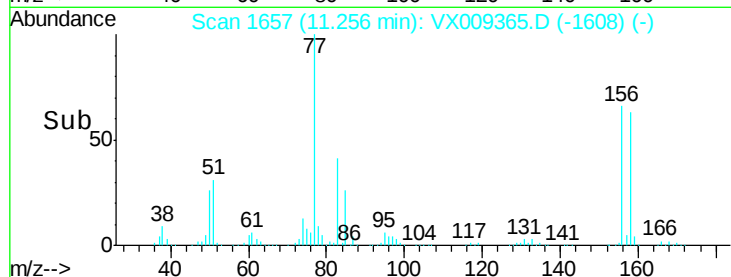
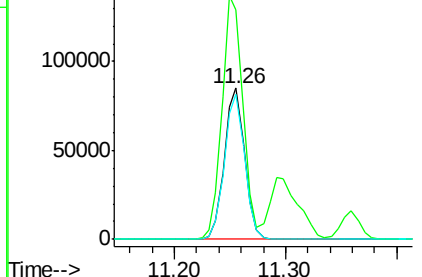
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.511 ug/l

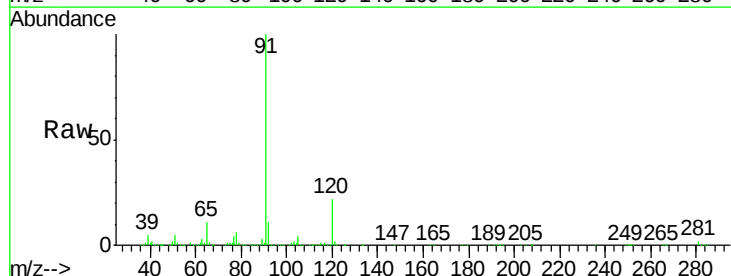
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009365.D

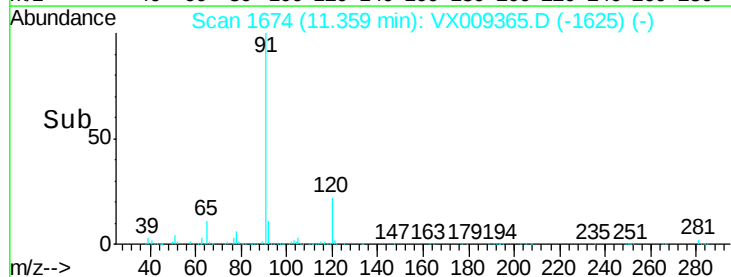
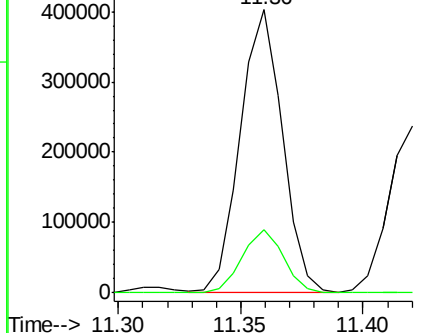
Acq: 06 May 2019 20:56

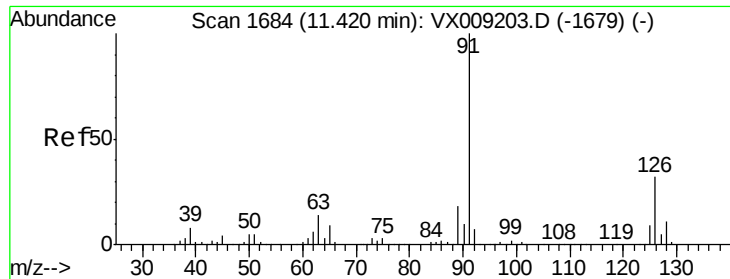
Tgt Ion:	91	Resp:	479316
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.833 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 291493

Ion Ratio Lower Upper

91 100

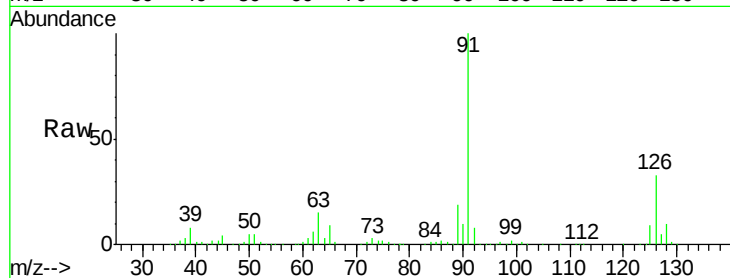
126 33.1 16.3 48.9

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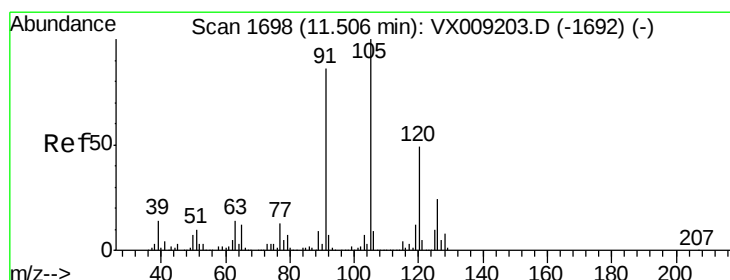
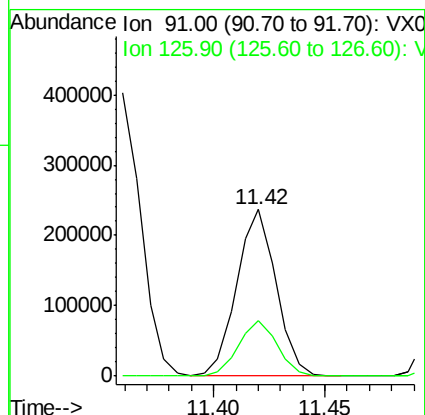
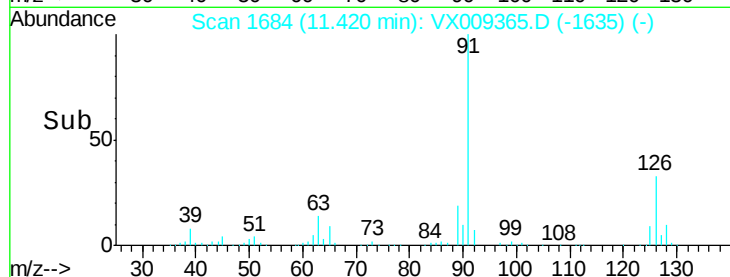
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Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX009203.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.940 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009365.D

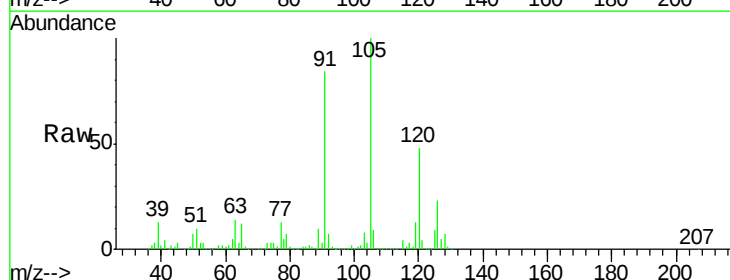
Acq: 06 May 2019 20:56

Tgt Ion: 105 Resp: 356574

Ion Ratio Lower Upper

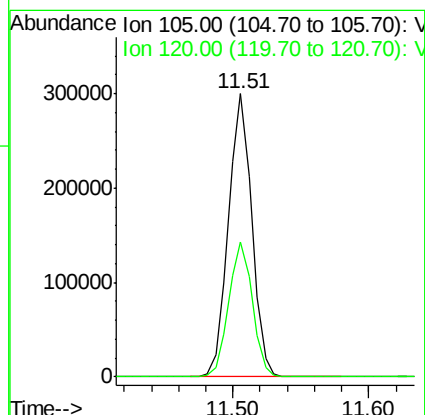
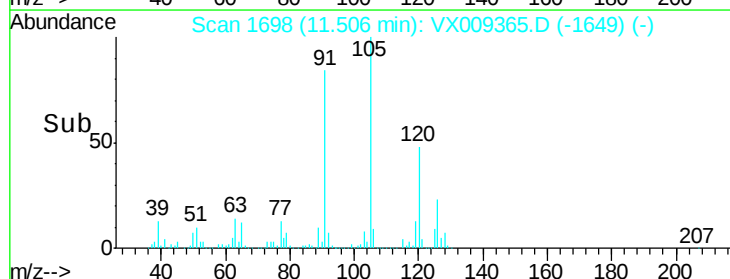
105 100

120 48.3 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009203.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009203.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.622 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

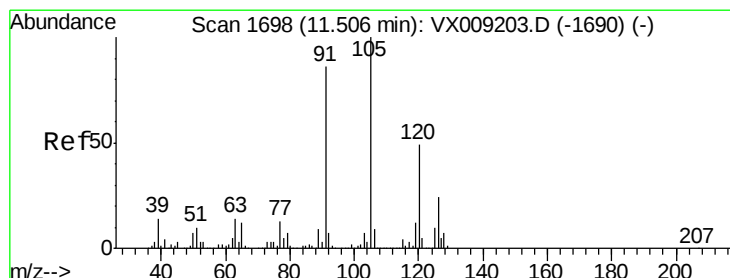
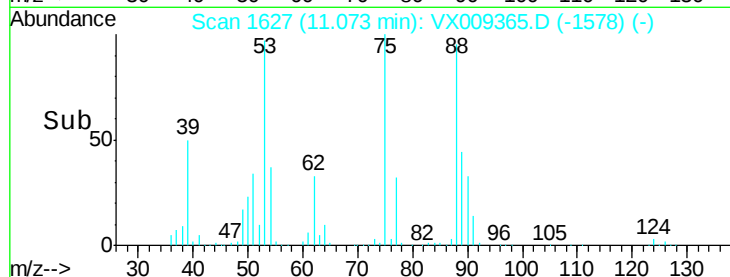
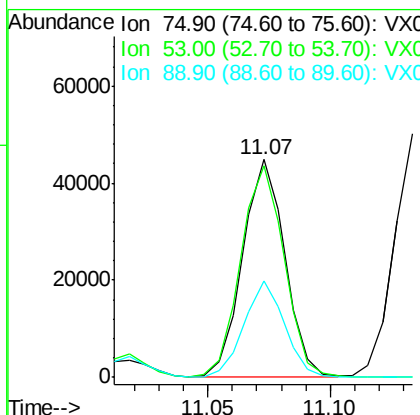
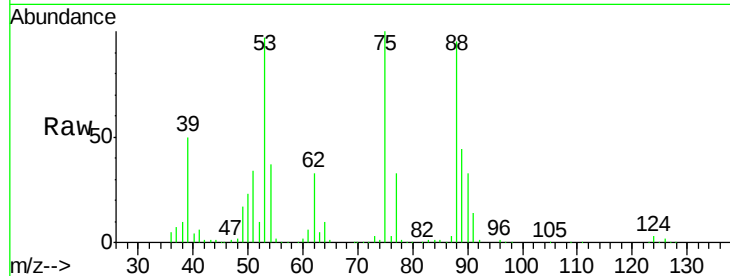
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	53547
Ion	Ratio	Lower	Upper
75	100		
53	100.0	79.0	118.6
89	42.9	34.7	52.1

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#82

4-Chlorotoluene

Concen: 47.451 ug/l

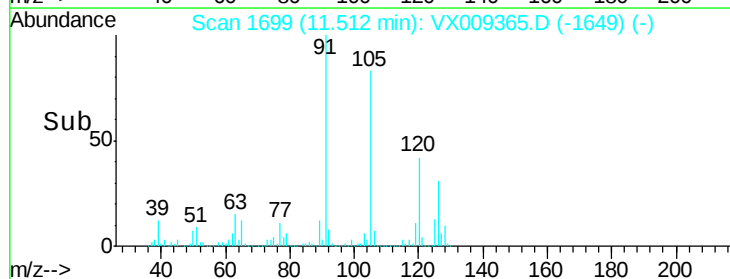
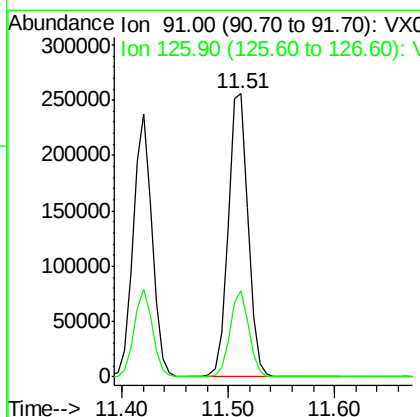
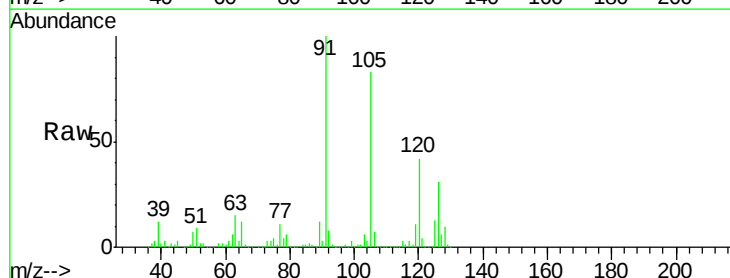
RT: 11.51 min Scan# 1699

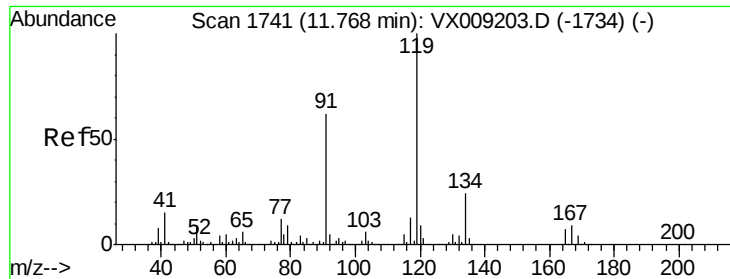
Delta R.T. 0.01 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Tgt Ion:	91	Resp:	333652
Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.5	43.6





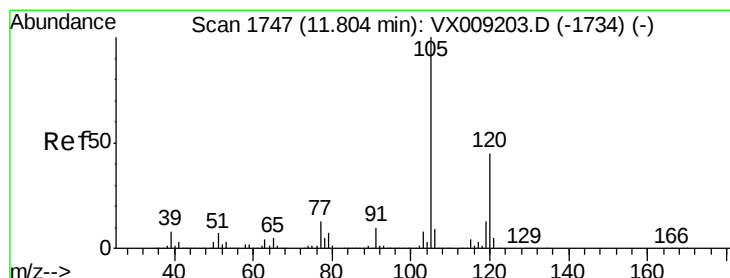
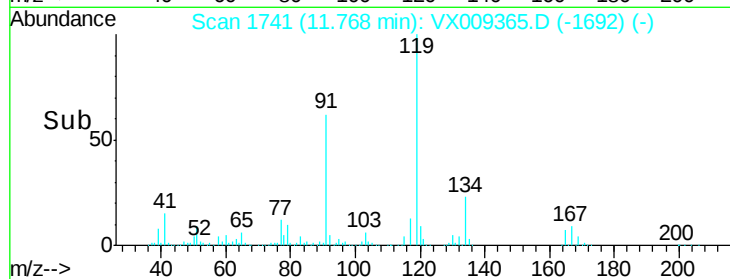
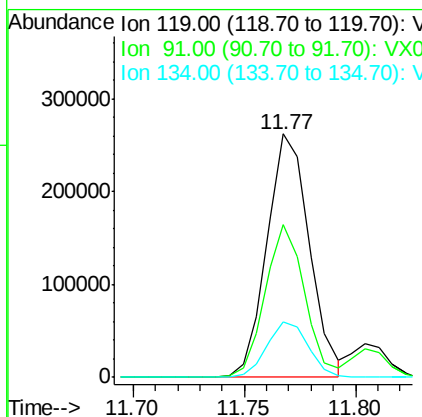
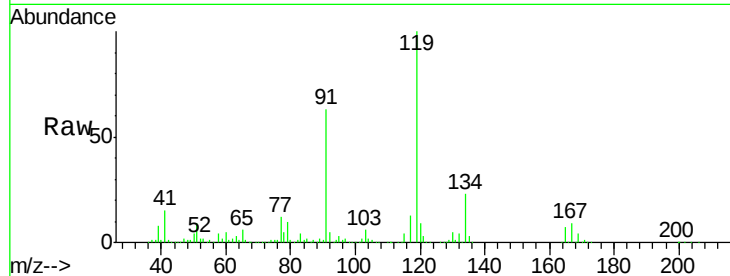
#83
 tert-Butylbenzene
 Concen: 47.946 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009365.D
 Acq: 06 May 2019 20:56

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	346918		
91	58.5	29.5	88.5	
134	22.2	11.4	34.1	

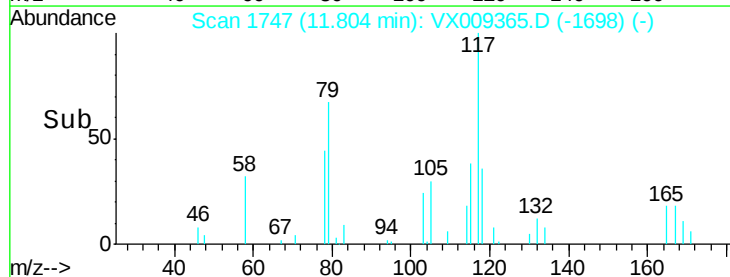
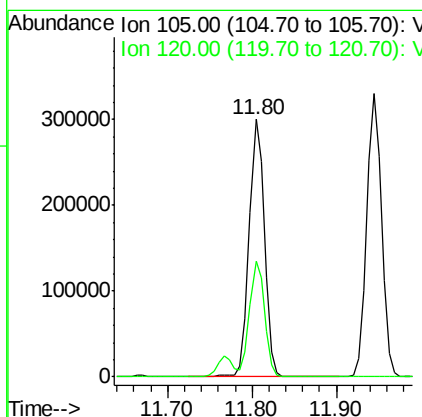
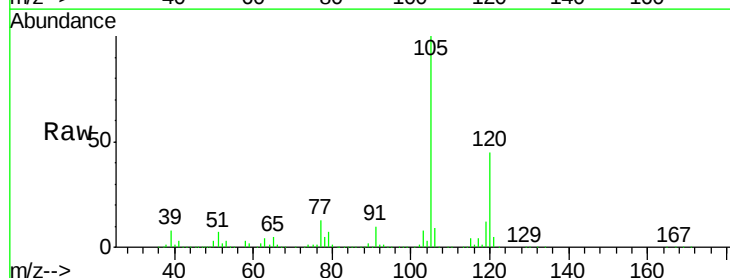
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.260 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009365.D
 Acq: 06 May 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	360300		
120	44.1	22.0	66.0	





#85

sec-Butylbenzene

Concen: 47.486 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 407353

Ion Ratio Lower Upper

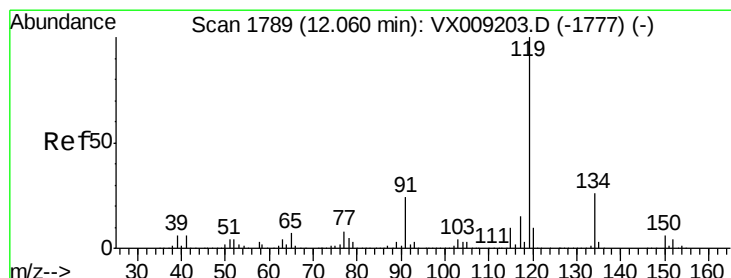
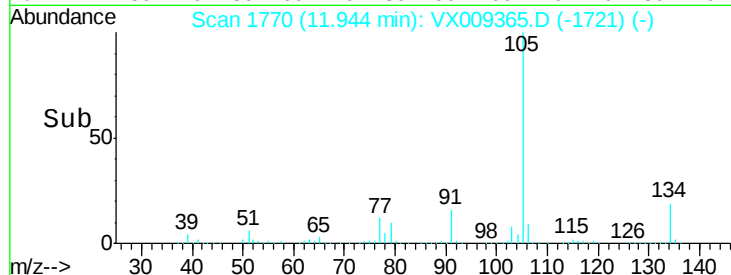
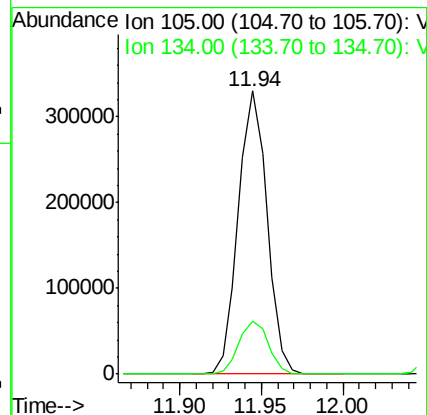
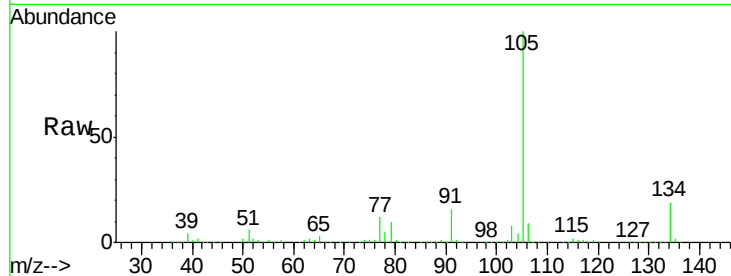
105 100

134 19.4 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 48.151 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

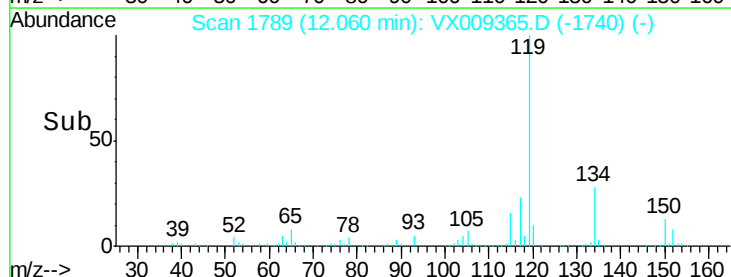
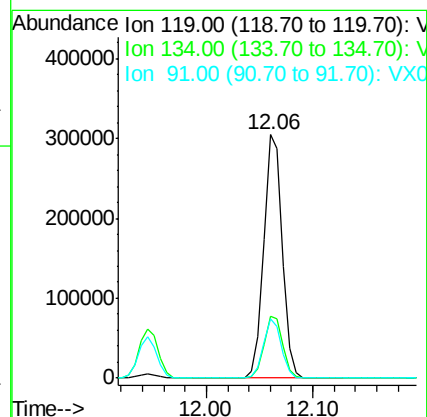
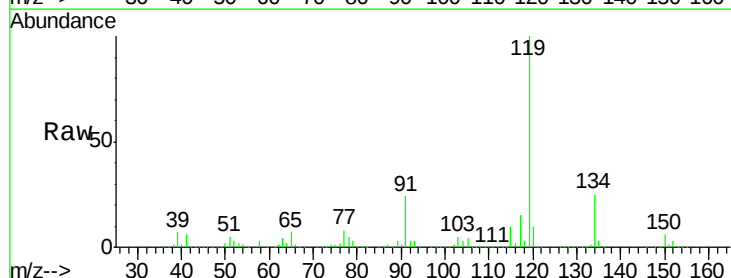
Tgt Ion:119 Resp: 371334

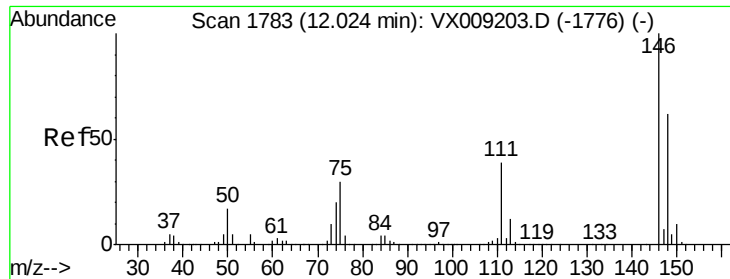
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 23.7 11.8 35.4





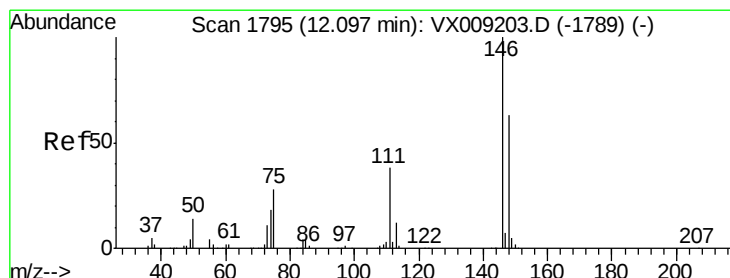
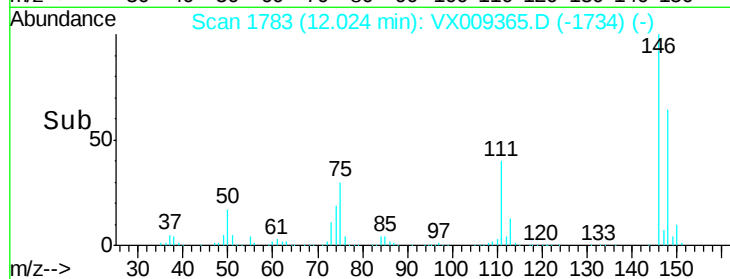
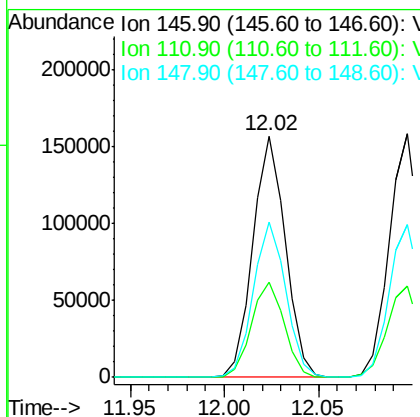
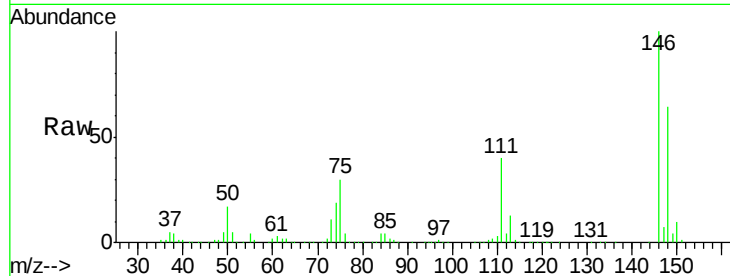
#87
 1,3-Dichlorobenzene
 Concen: 48.071 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009365.D
 Acq: 06 May 2019 20:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.3	31.8	95.3

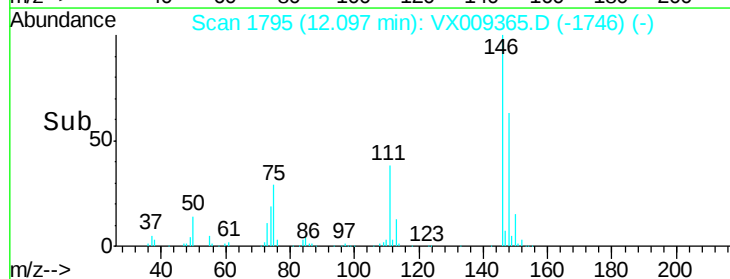
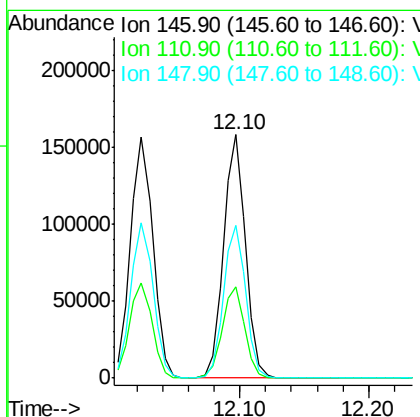
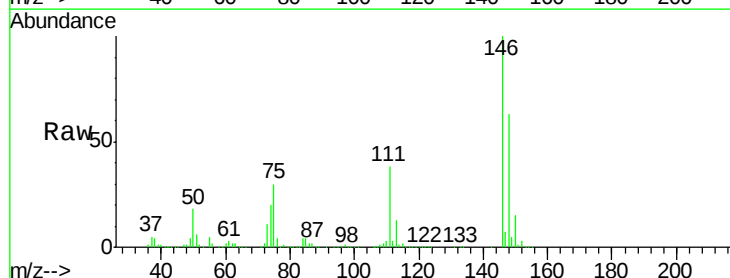
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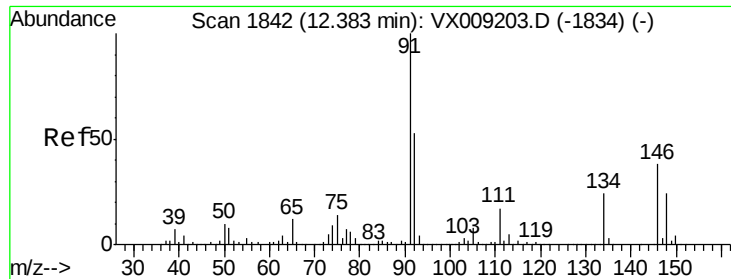
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#88
 1,4-Dichlorobenzene
 Concen: 48.095 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009365.D
 Acq: 06 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.8
148	63.9	31.8	95.3





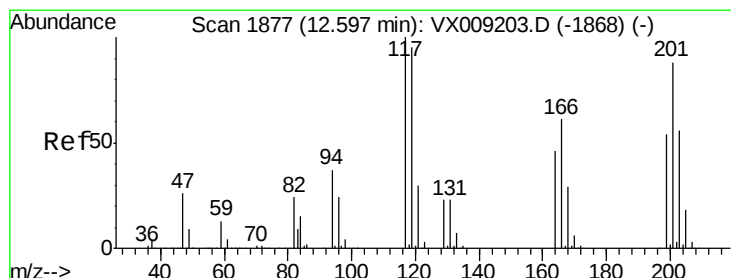
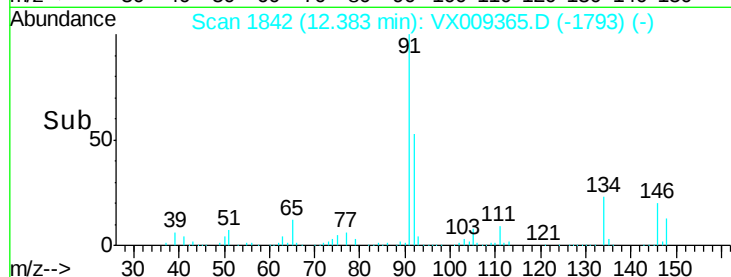
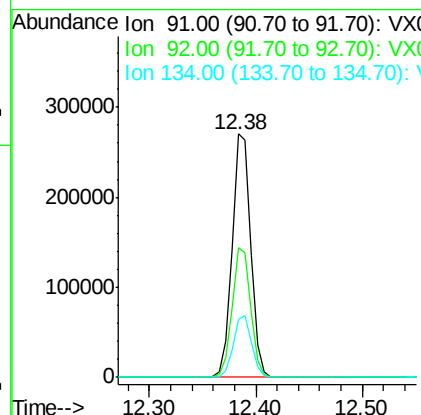
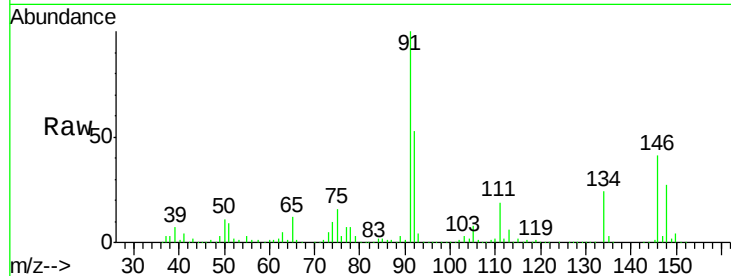
#89
n-Butylbenzene
Concen: 47.429 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.5	79.5
134	24.8	12.4	37.2

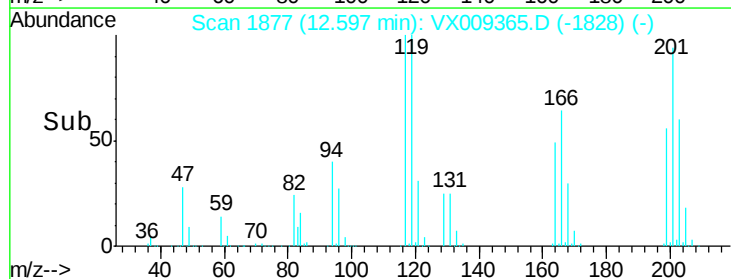
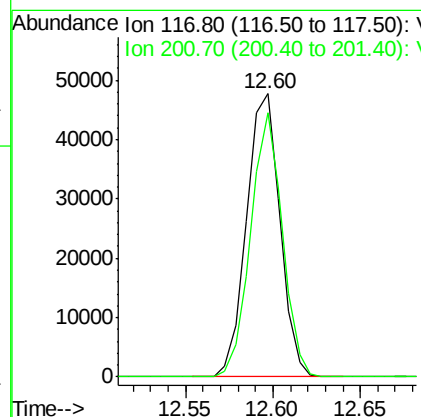
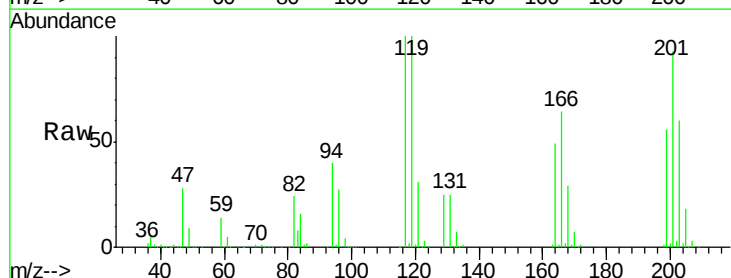
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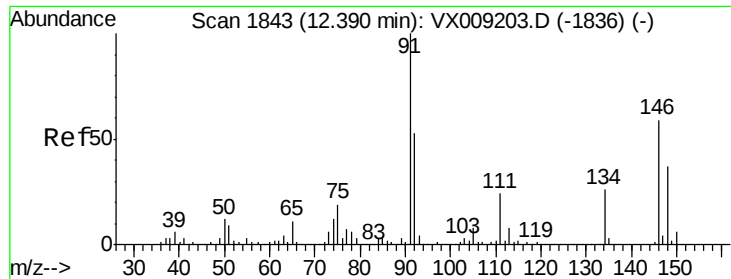
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#90
Hexachloroethane
Concen: 48.242 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009365.D
Acq: 06 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.4	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 48.394 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

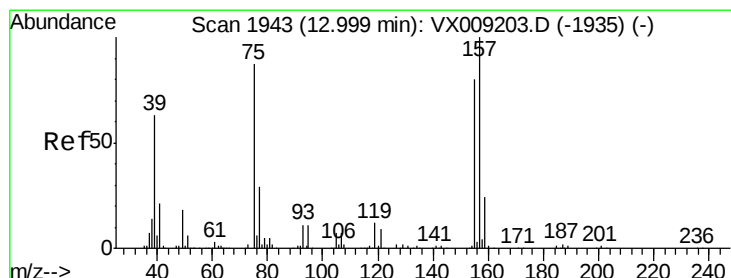
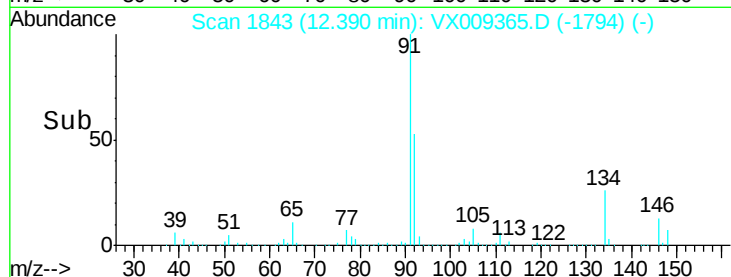
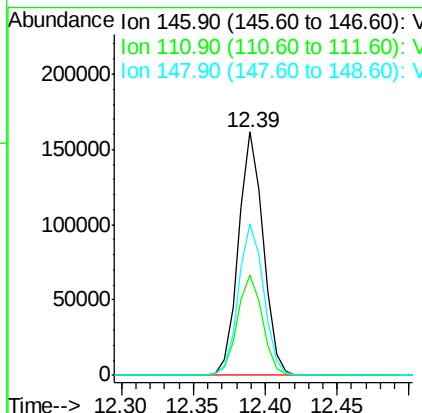
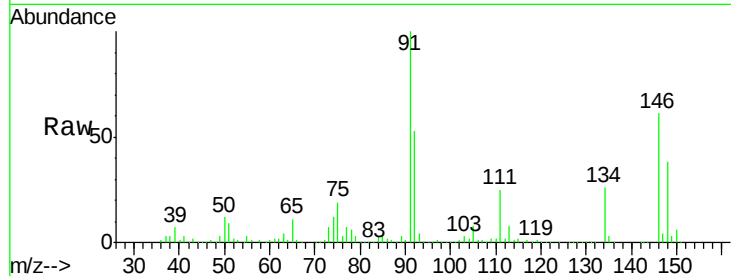
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	192661
Ion Ratio	Lower	Upper	
146	100		
111	41.9	20.8	62.4
148	63.6	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 53.125 ug/l

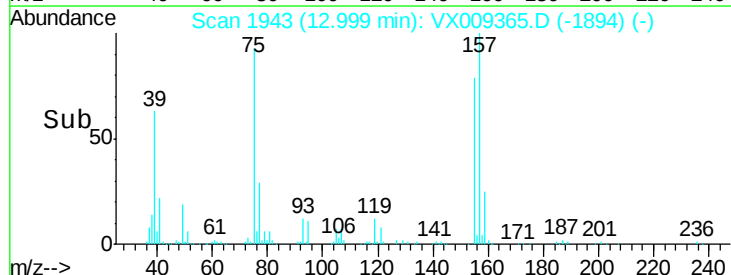
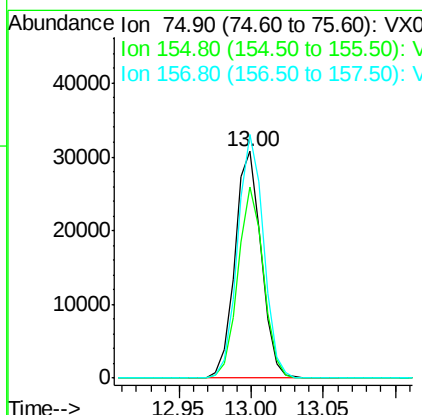
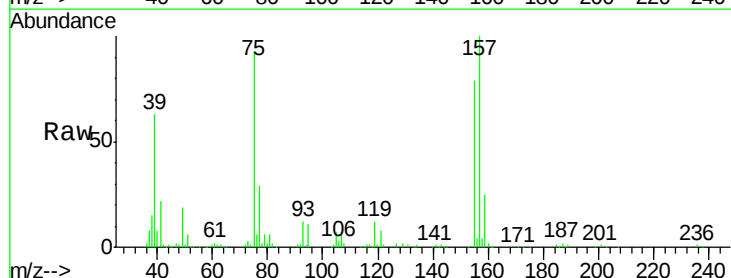
RT: 13.00 min Scan# 1943

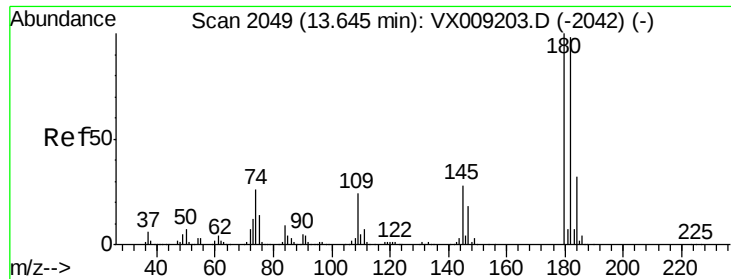
Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Tgt Ion:	75	Resp:	39245
Ion Ratio	Lower	Upper	
75	100		
155	81.2	42.0	126.0
157	105.4	53.2	159.6





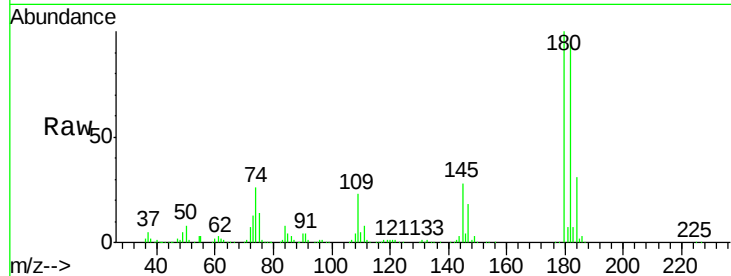
#93
 1,2,4-Trichlorobenzene
 Concen: 49.761 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009365.D
 Acq: 06 May 2019 20:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

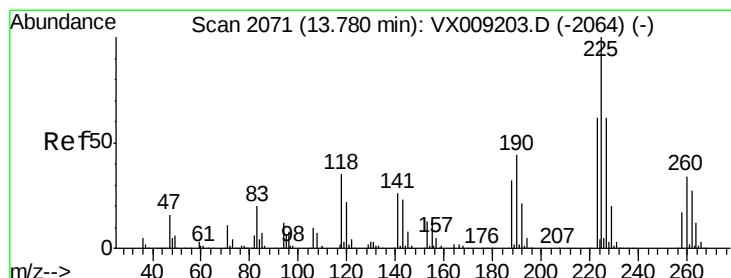
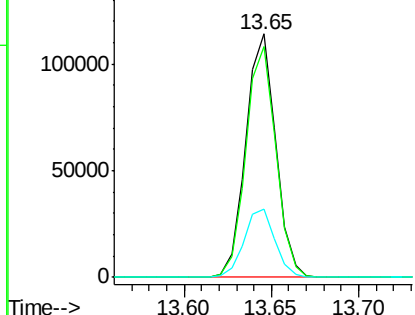
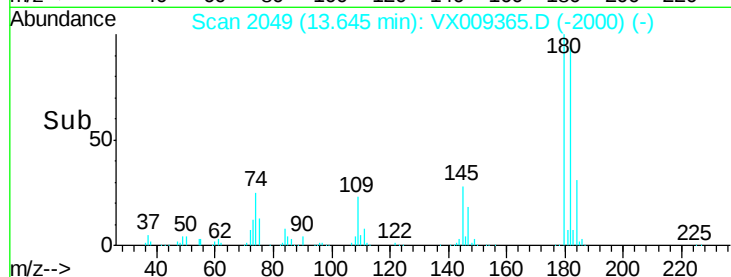
Tot Ion	Ratio	Resp	Lower	Upper
180	100	135469		
182	95.0	48.4	145.2	
145	29.0	14.6	43.8	

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 5/7/2019 9:42:21 AM

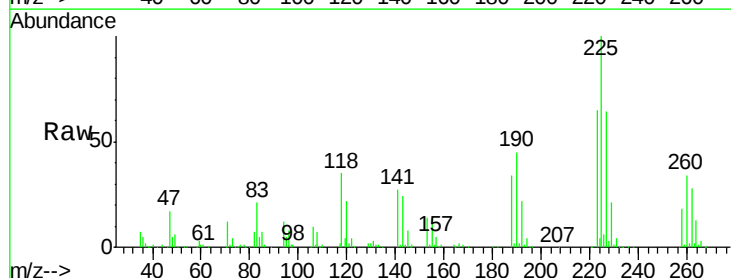


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

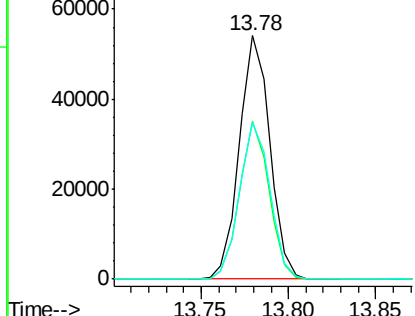
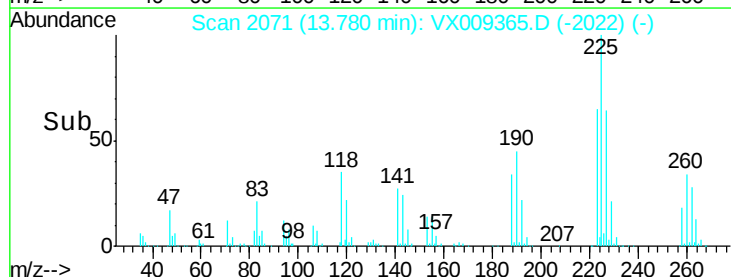


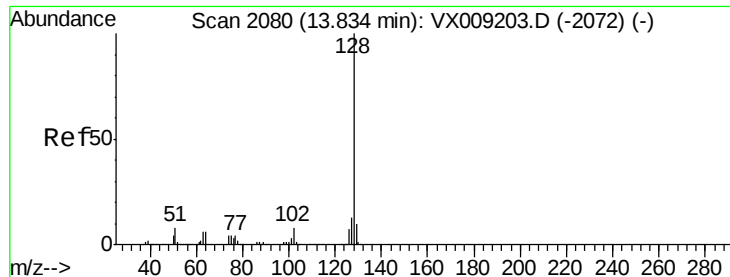
#94
 Hexachlorobutadiene
 Concen: 47.106 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009365.D
 Acq: 06 May 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65488		
223	62.8	31.3	93.8	
227	64.3	31.8	95.3	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 51.884 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Instrument :

MSVOA_X

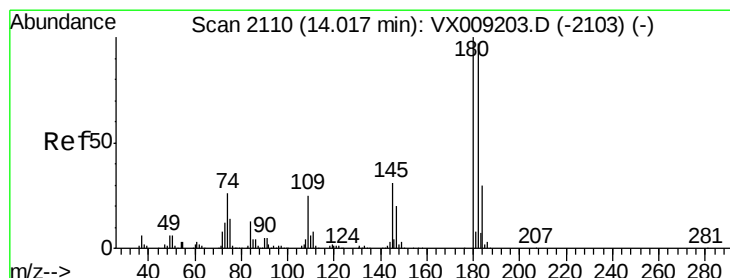
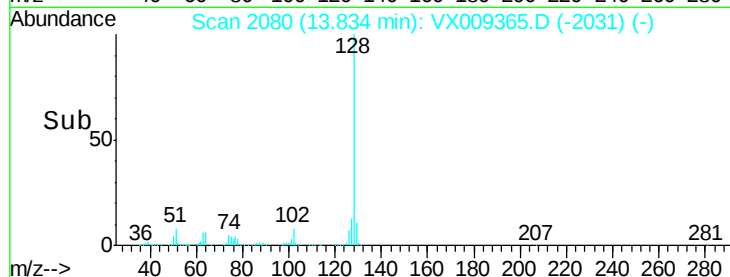
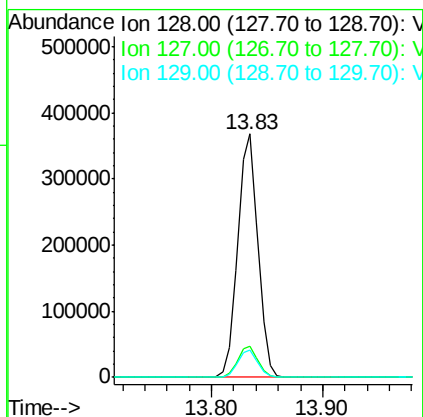
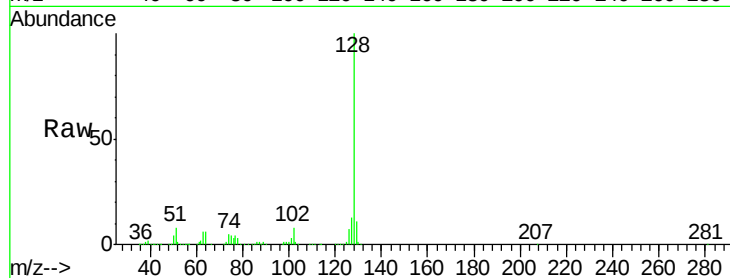
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	459547
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/7/2019 9:42:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.103 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009365.D

Acq: 06 May 2019 20:56

Tgt Ion:	180	Resp:	138264
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.8	143.4
145	30.5	15.4	46.4

