

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042919\
 Data File : VX009231.D
 Acq On : 30 Apr 2019 00:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:04:12 AM

Quant Time: Apr 30 09:19:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	183109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	305559	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	274625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	134148	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	131472	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
35) Dibromofluoromethane	5.50	113	97478	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
50) Toluene-d8	8.71	98	392412	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
62) 4-Bromofluorobenzene	11.13	95	141811	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	85196	50.490	ug/l	99
3) Chloromethane	1.32	50	113851	49.421	ug/l	100
4) Vinyl Chloride	1.40	62	114501	50.971	ug/l	98
5) Bromomethane	1.64	94	69604	51.623	ug/l	98
6) Chloroethane	1.71	64	72496	50.265	ug/l	99
7) Trichlorofluoromethane	1.92	101	138910	50.871	ug/l	100
8) Diethyl Ether	2.18	74	64682	50.008	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	85096	49.626	ug/l	99
10) Methyl Iodide	2.51	142	96108	48.400	ug/l	99
11) Tert butyl alcohol	3.05	59	145042	250.674	ug/l	99
12) 1,1-Dichloroethene	2.37	96	89351	52.006	ug/l	95
13) Acrolein	2.29	56	124697	237.968	ug/l	100
14) Allyl chloride	2.73	41	207008	49.441	ug/l	100
15) Acrylonitrile	3.14	53	357823	252.924	ug/l	99
16) Acetone	2.44	43	300091	223.579	ug/l	98
17) Carbon Disulfide	2.57	76	245796	50.956	ug/l	99
18) Methyl Acetate	2.77	43	159224	49.881	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	343946	51.552	ug/l	99
20) Methylene Chloride	2.85	84	105407	48.502	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	94779	50.867	ug/l	100
22) Diisopropyl ether	3.85	45	413282	51.326	ug/l	98
23) Vinyl Acetate	3.81	43	1824975	264.677	ug/l	100
24) 1,1-Dichloroethane	3.70	63	200848	50.564	ug/l	100
25) 2-Butanone	4.67	43	522572	250.542	ug/l	99
26) 2,2-Dichloropropane	4.58	77	118117	39.950	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	113422	50.998	ug/l	97
28) Bromochloromethane	5.01	49	89311	56.194	ug/l	100
29) Tetrahydrofuran	5.13	42	351626	261.981	ug/l	100
30) Chloroform	5.21	83	183466	51.068	ug/l	100
31) Cyclohexane	5.58	56	189195	51.195	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	153710	51.397	ug/l	99
36) 1,1-Dichloropropene	5.80	75	139398	49.091	ug/l	100
37) Ethyl Acetate	4.83	43	201139	50.839	ug/l	100
38) Carbon Tetrachloride	5.79	117	126824	49.157	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	165736	47.526	ug/l	98
40) Benzene	6.14	78	433775	49.359	ug/l	100
41) Methacrylonitrile	5.04	41	115989	49.250	ug/l	99
42) 1,2-Dichloroethane	6.19	62	156061	49.505	ug/l	100
43) Isopropyl Acetate	6.45	43	318670	50.355	ug/l	100
44) Trichloroethene	7.21	130	101769	47.902	ug/l	97
45) 1,2-Dichloropropane	7.51	63	124039	49.846	ug/l	99
46) Dibromomethane	7.66	93	69789	48.295	ug/l	99
47) Bromodichloromethane	7.90	83	143164	49.667	ug/l	98
48) Methyl methacrylate	7.77	41	159100	50.673	ug/l	100
49) 1,4-Dioxane	7.74	88	58966	926.076	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1031466	249.361	ug/l	100
52) Toluene	8.79	92	262880	49.210	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	160748	49.395	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	177219	49.199	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	106739	48.976	ug/l	95
56) Ethyl methacrylate	9.18	69	198290	50.970	ug/l	100
57) 1,3-Dichloropropane	9.37	76	189566	49.428	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	533428	258.467	ug/l	100
59) 2-Hexanone	9.49	43	806149	248.145	ug/l	99
60) Dibromochloromethane	9.58	129	107927	50.704	ug/l	100
61) 1,2-Dibromoethane	9.67	107	109158	49.618	ug/l	99
64) Tetrachloroethene	9.34	164	92630	49.172	ug/l	99
65) Chlorobenzene	10.13	112	268866	48.940	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	98905	49.658	ug/l	100
67) Ethyl Benzene	10.25	91	503180	49.768	ug/l	100
68) m/p-Xylenes	10.36	106	364053	98.533	ug/l	98
69) o-Xylene	10.69	106	179965	49.368	ug/l	100
70) Styrene	10.71	104	316329	49.926	ug/l	99
71) Bromoform	10.85	173	80666	49.838	ug/l #	100
73) Isopropylbenzene	11.02	105	475343	48.728	ug/l	99
74) N-amyl acetate	10.90	43	293224	51.558	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	179144	49.262	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	151369m	48.644	ug/l	
77) Bromobenzene	11.26	156	118634	48.997	ug/l	99
78) n-propylbenzene	11.36	91	546676	49.070	ug/l	100
79) 2-Chlorotoluene	11.42	91	330972	48.153	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	401314	48.858	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	57044	46.905	ug/l	100
82) 4-Chlorotoluene	11.51	91	375971	48.419	ug/l	100
83) tert-Butylbenzene	11.77	119	387057	48.441	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	407675	49.448	ug/l	100
85) sec-Butylbenzene	11.94	105	459473	48.503	ug/l	100
86) p-Isopropyltoluene	12.06	119	418419	49.131	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	209350	48.502	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	208494	47.912	ug/l	99
89) n-Butylbenzene	12.38	91	372454	48.387	ug/l	100
90) Hexachloroethane	12.60	117	71453	49.247	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	215467	49.010	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	42585	52.201	ug/l	98

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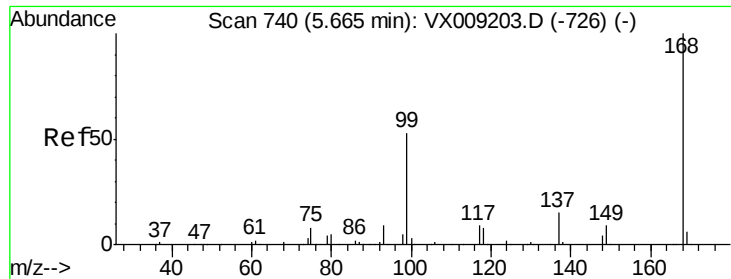
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	150307	49.996	ug/l	98
94) Hexachlorobutadiene	13.78	225	72875	47.468	ug/l	99
95) Naphthalene	13.83	128	502484	51.373	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	153010	50.209	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 183109

Ion Ratio Lower Upper

168 100

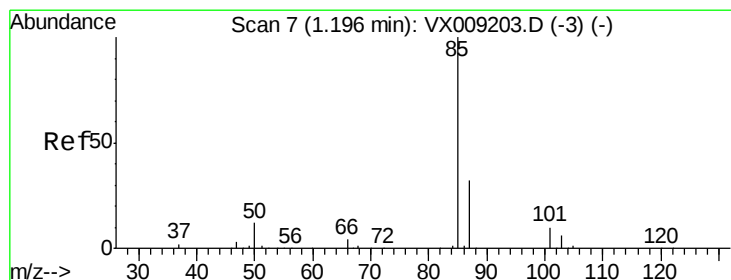
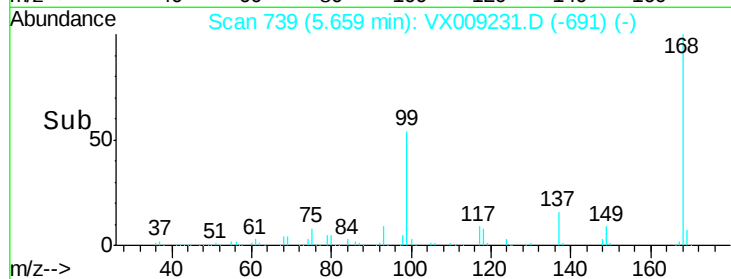
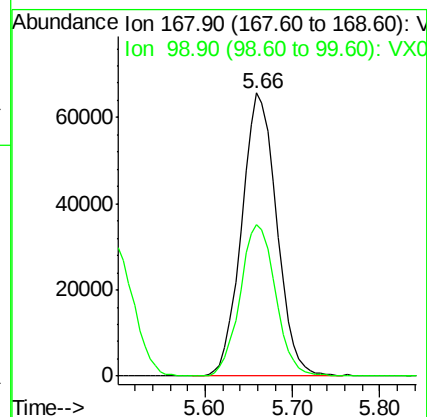
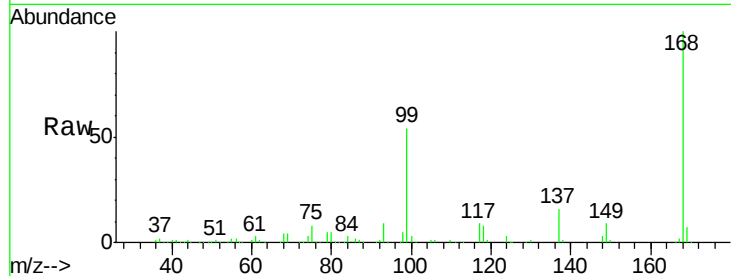
99 53.3 42.3 63.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 50.490 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009231.D

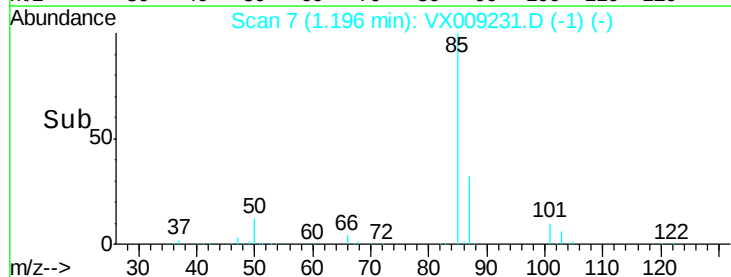
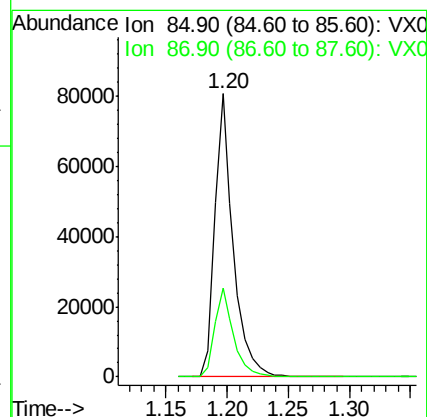
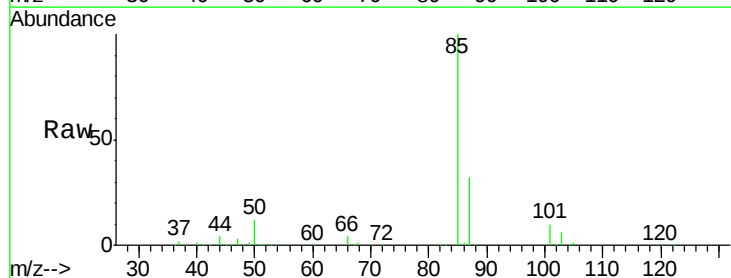
Acq: 30 Apr 2019 00:32

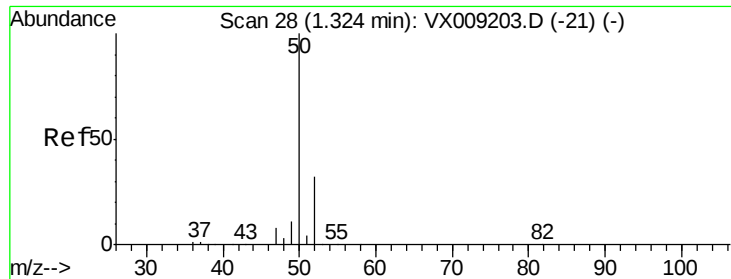
Tgt Ion: 85 Resp: 85196

Ion Ratio Lower Upper

85 100

87 31.5 16.1 48.3





#3

Chloromethane

Concen: 49.421 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 113851

Ion Ratio Lower Upper

50 100

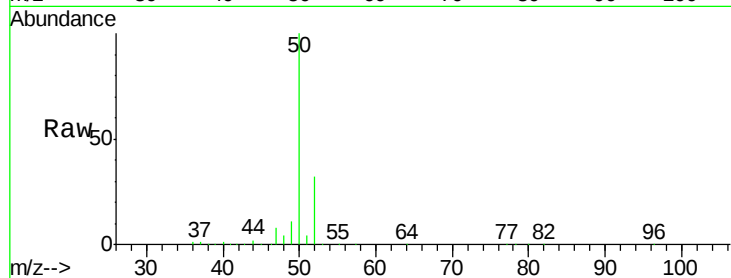
52 32.2 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

120000

100000

80000

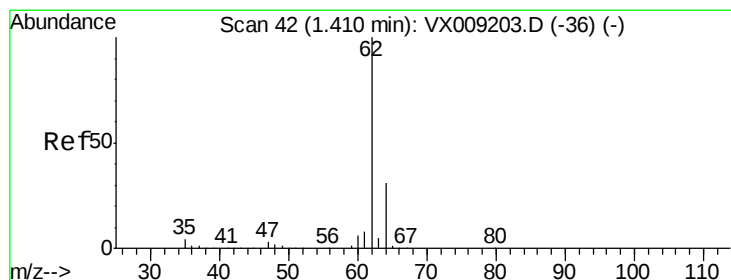
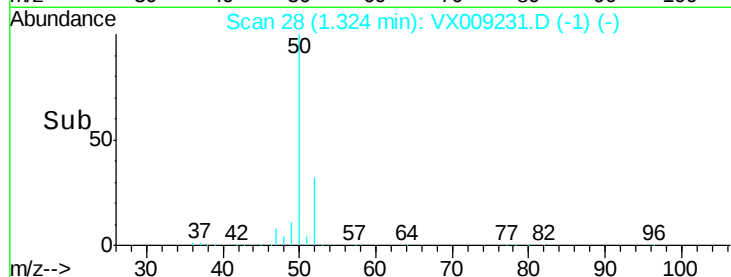
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 50.971 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009231.D

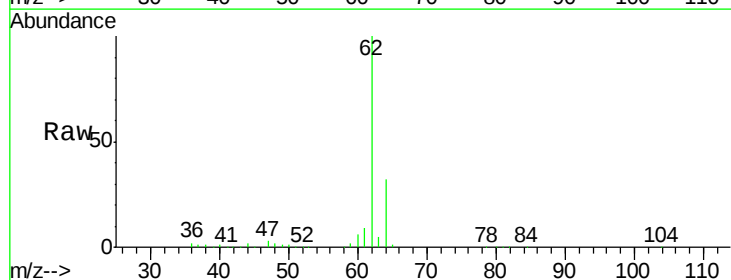
Acq: 30 Apr 2019 00:32

Tgt Ion: 62 Resp: 114501

Ion Ratio Lower Upper

62 100

64 31.7 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

100000

80000

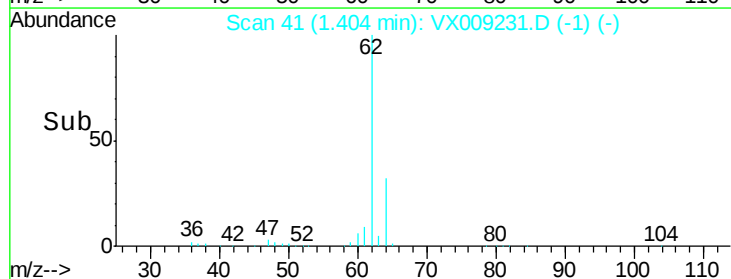
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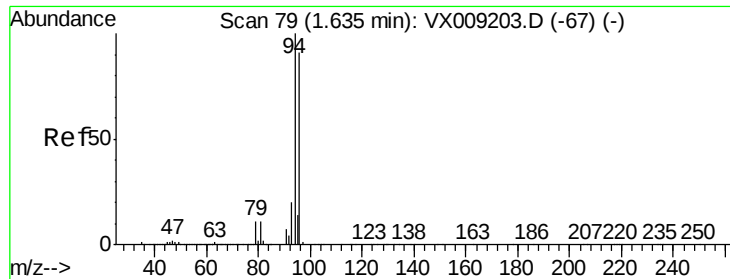
40000

20000

0

Time-->





#5

Bromomethane

Concen: 51.623 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 69604

Ion Ratio Lower Upper

94 100

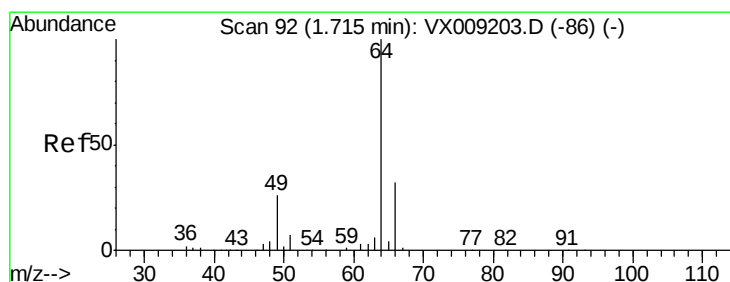
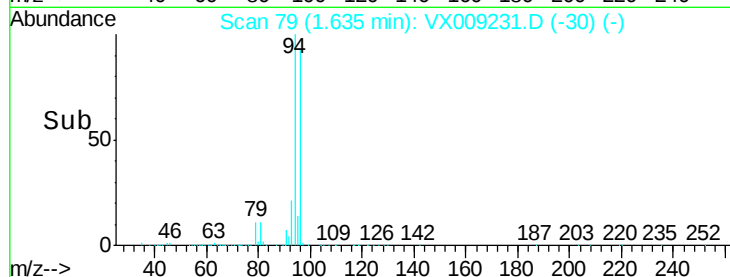
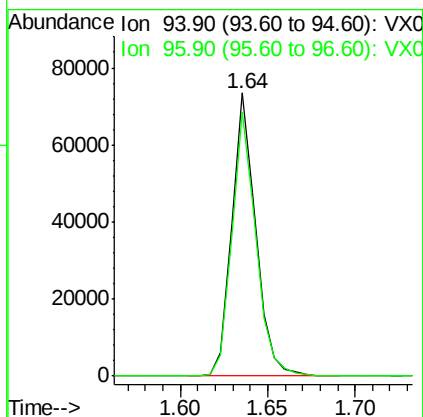
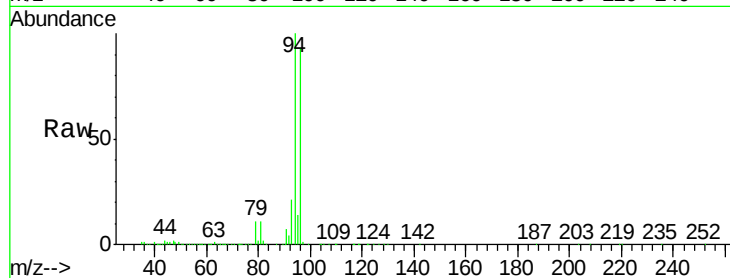
96 93.6 73.0 109.6

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#6

Chloroethane

Concen: 50.265 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX009231.D

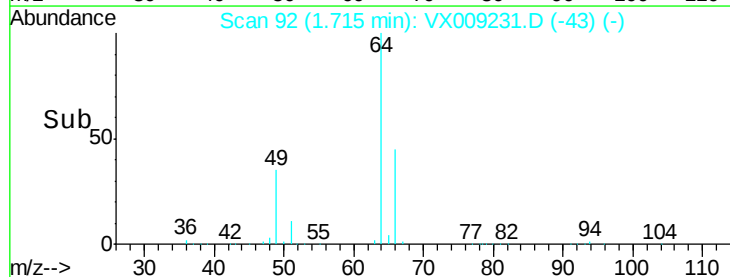
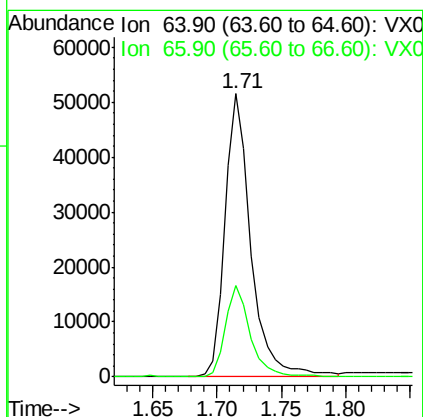
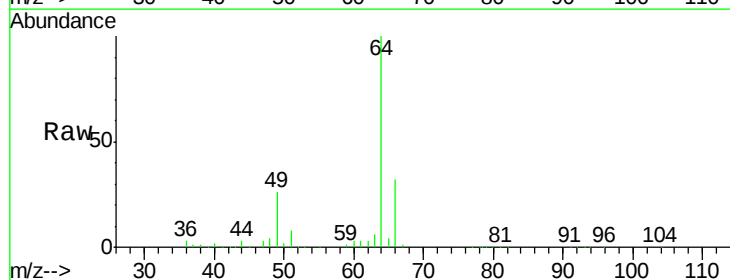
Acq: 30 Apr 2019 00:32

Tgt Ion: 64 Resp: 72496

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9





#7

Trichlorofluoromethane

Concen: 50.871 ug/l

RT: 1.92 min Scan# 126

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

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Tot Ion:101 Resp: 138910

Ion Ratio Lower Upper

101 100

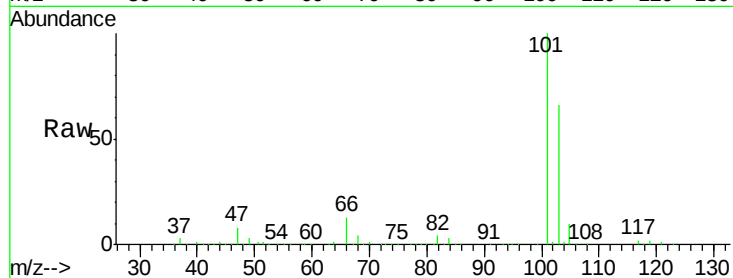
103 65.6 52.4 78.6

Manual Integrations

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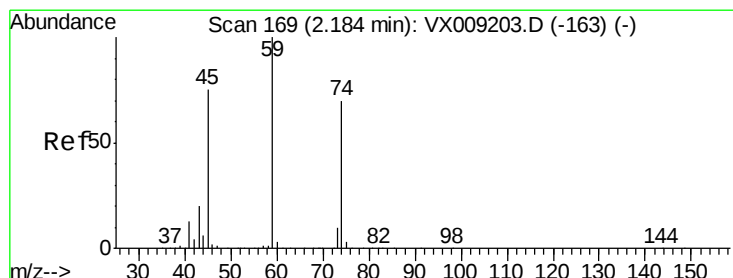
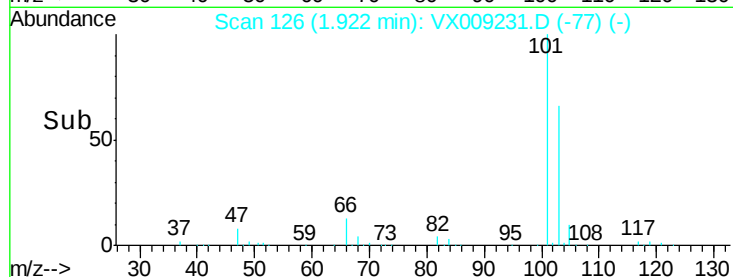
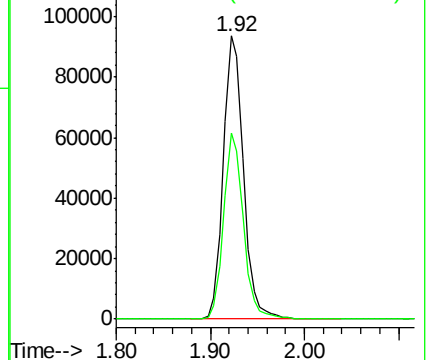
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 50.008 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.00 min

Lab File: VX009231.D

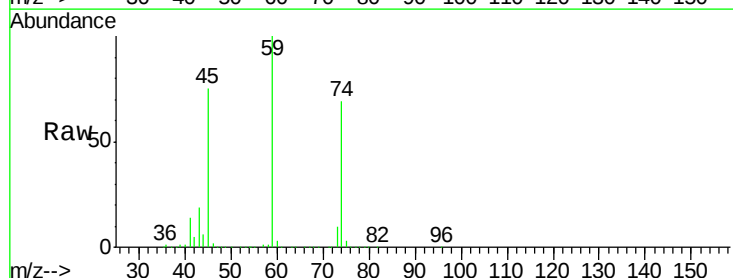
Acq: 30 Apr 2019 00:32

Tgt Ion: 74 Resp: 64682

Ion Ratio Lower Upper

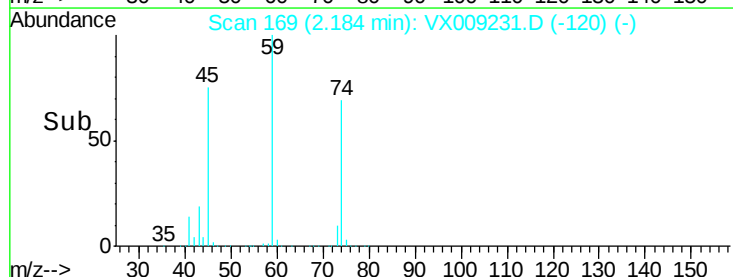
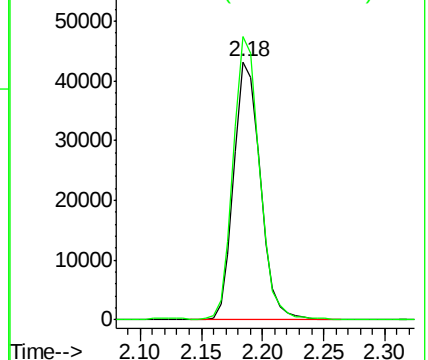
74 100

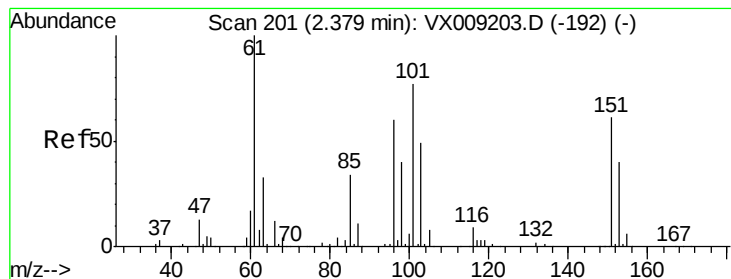
45 107.9 53.3 159.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.626 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

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ClientSampleId :

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Tot Ion:101 Resp: 85096

Ion Ratio Lower Upper

101 100

85 43.7 35.7 53.5

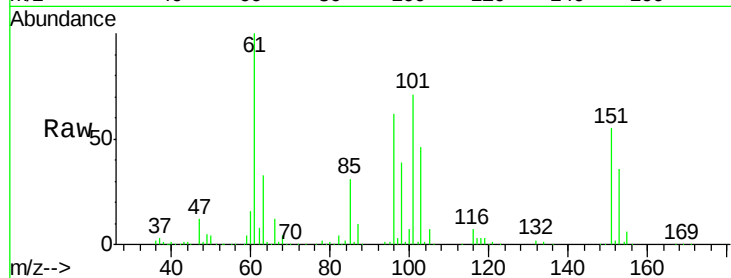
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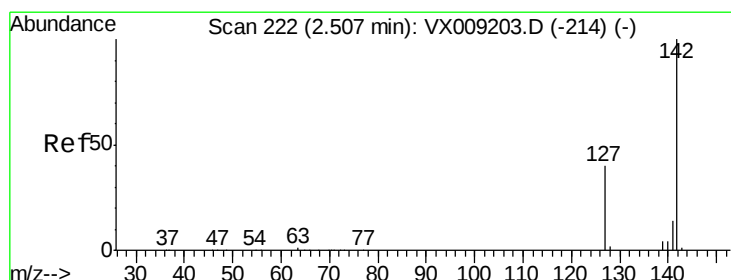
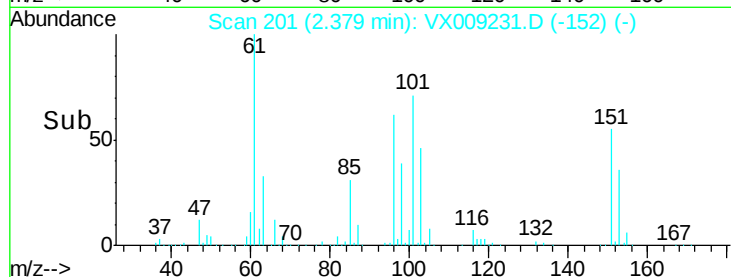
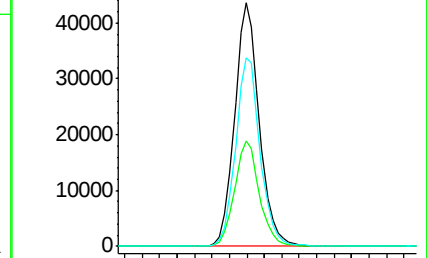
4/30/2019 11:04:12 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.400 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

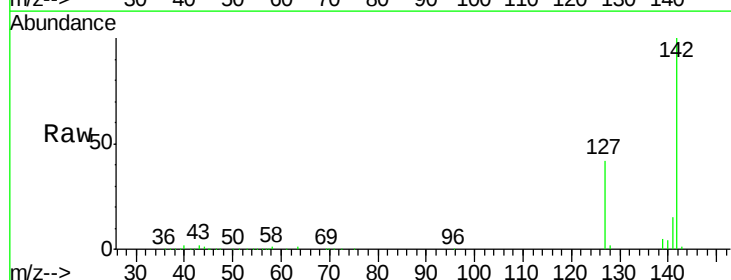
Tgt Ion:142 Resp: 96108

Ion Ratio Lower Upper

142 100

127 41.6 32.7 49.1

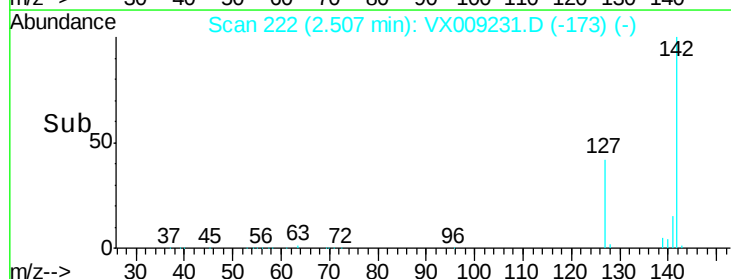
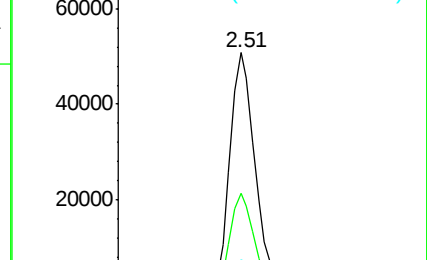
141 14.5 11.5 17.3

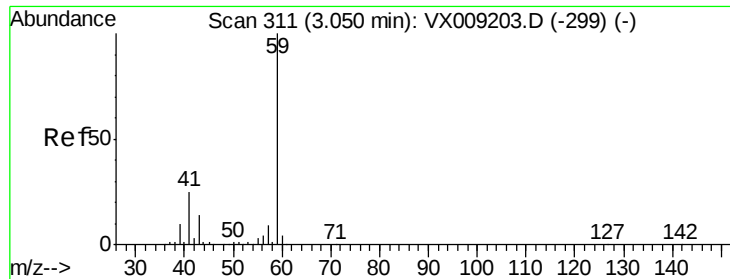


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





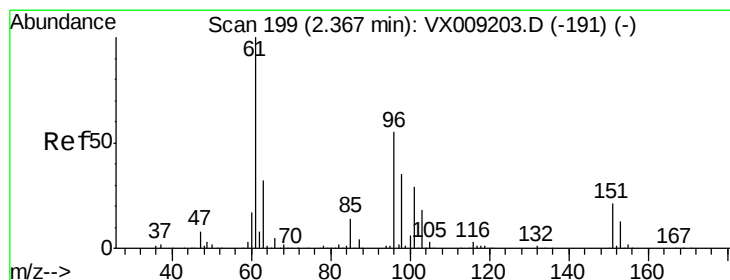
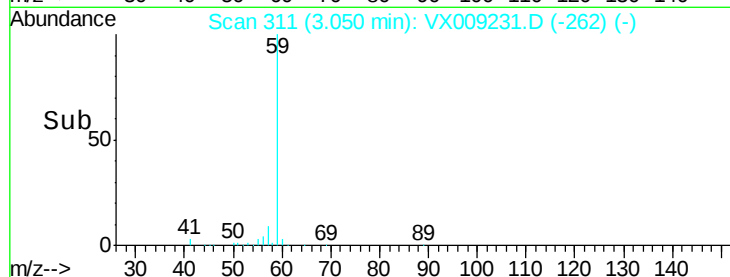
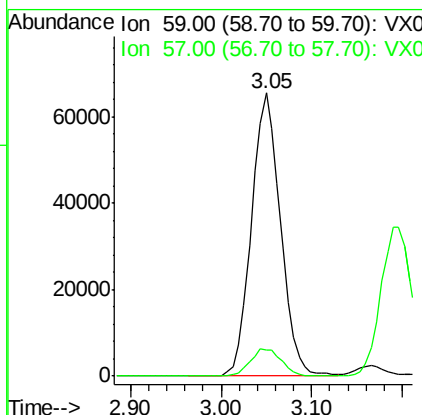
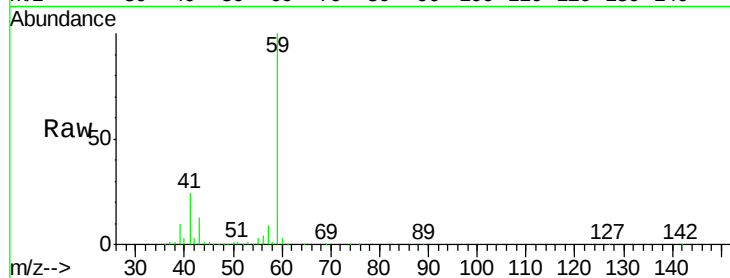
#11
Tert butyl alcohol
Concen: 250.674 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 145042
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2

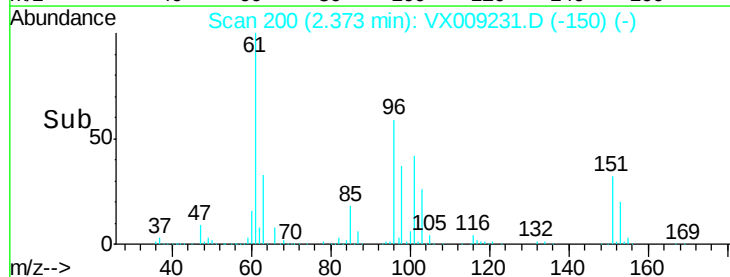
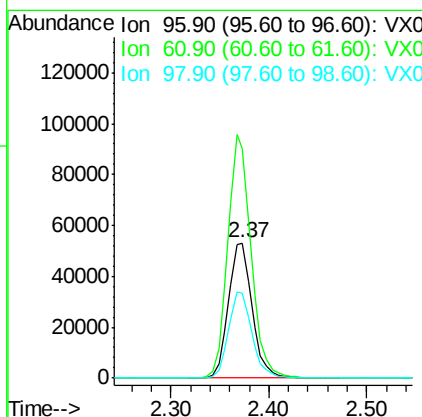
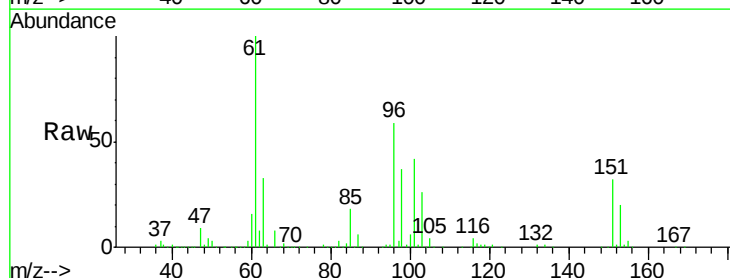
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#12
1,1-Dichloroethene
Concen: 52.006 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Tgt Ion: 96 Resp: 89351
Ion Ratio Lower Upper
96 100
61 170.1 144.3 216.5
98 62.8 50.3 75.5





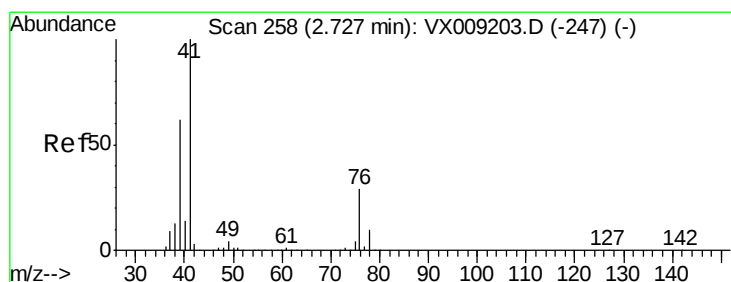
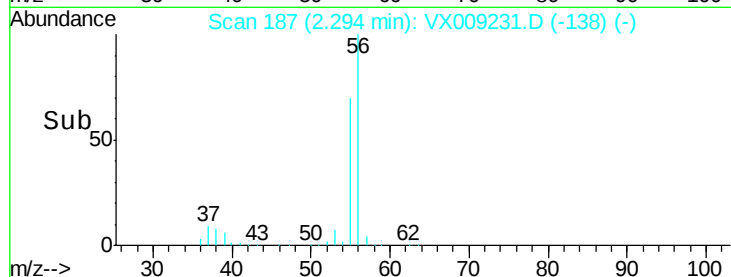
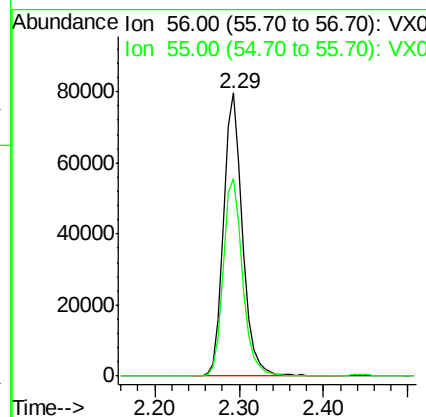
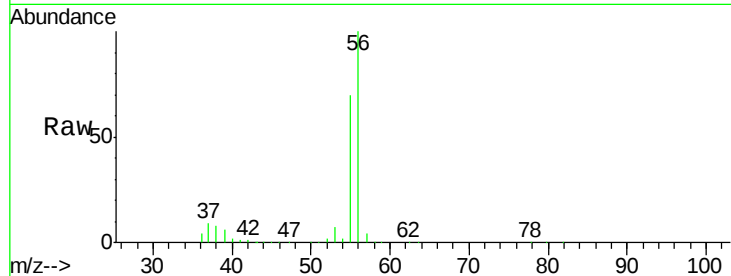
#13
Acrolein
Concen: 237.968 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	124697
Ion Ratio	100	Lower	Upper
55	71.0	56.6	85.0

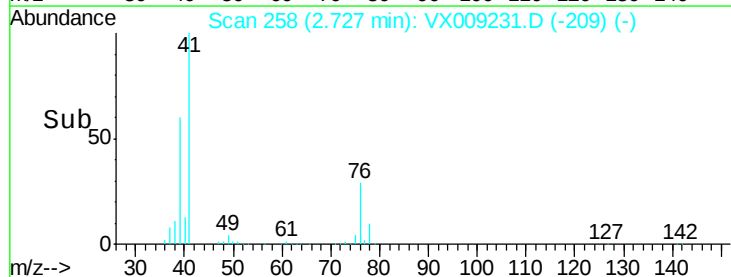
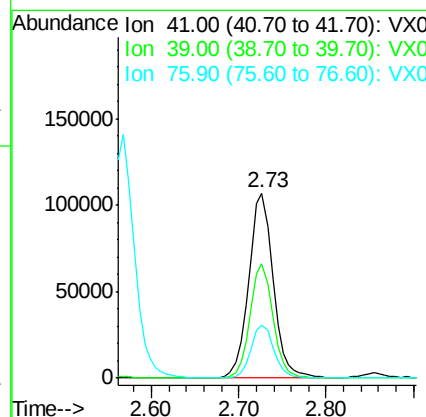
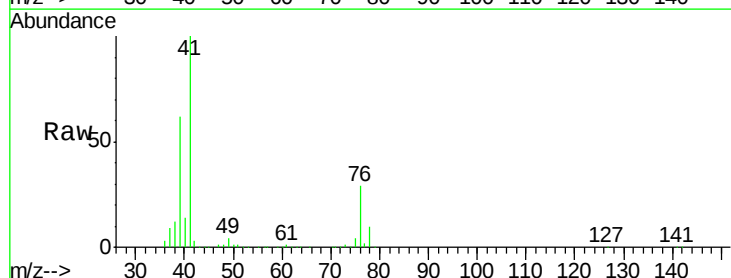
Manual Integrations
APPROVED

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#14
Allyl chloride
Concen: 49.441 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Tgt Ion	41	Resp	207008
Ion Ratio	100	Lower	Upper
39	58.3	46.7	70.1
76	27.1	21.8	32.8





#15

Acrylonitrile

Concen: 252.924 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

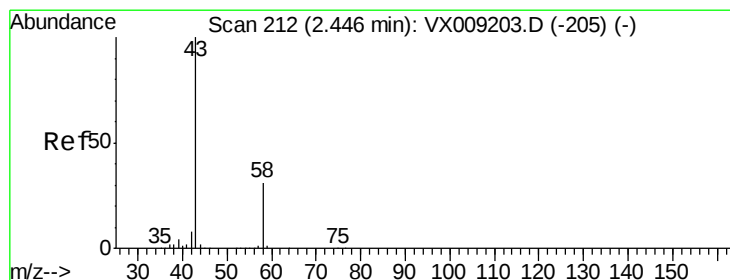
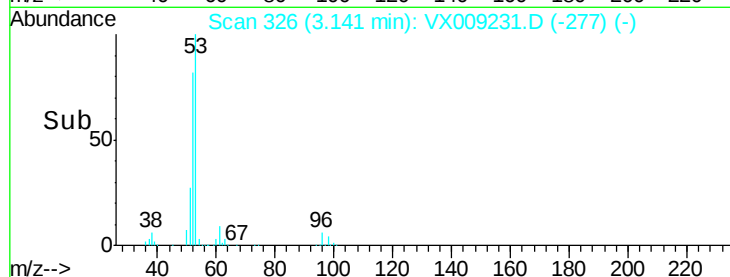
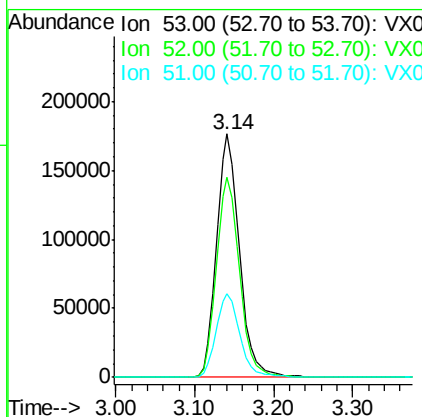
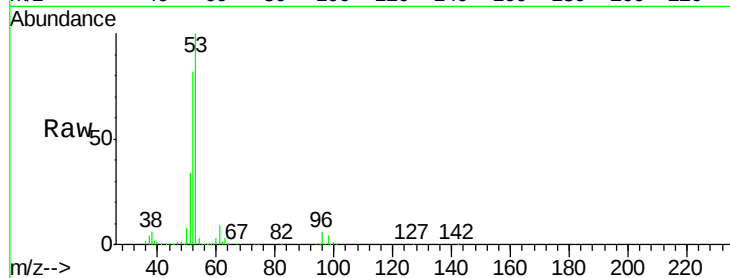
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	357823
Ion Ratio		Lower	Upper
53	100		
52	82.9	66.9	100.3
51	35.3	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 223.579 ug/l

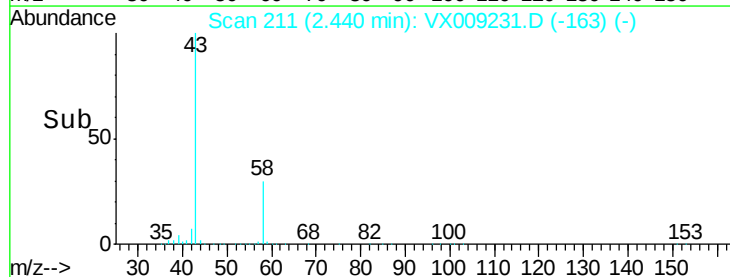
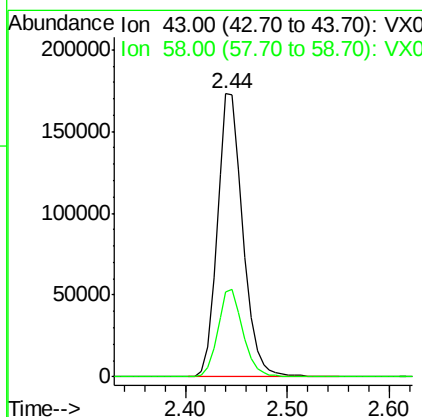
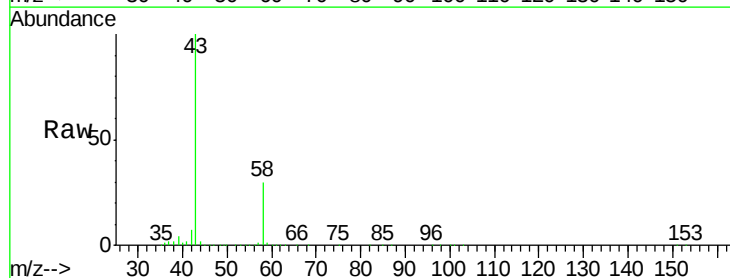
RT: 2.44 min Scan# 211

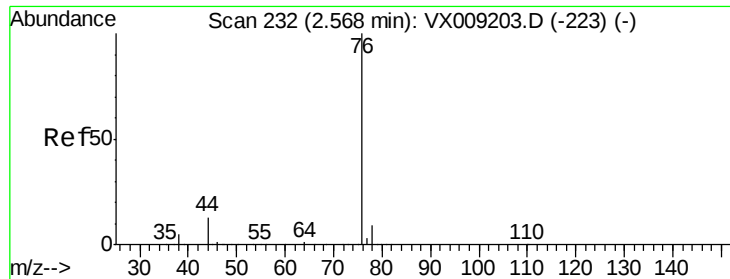
Delta R.T. -0.01 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Tgt Ion:	43	Resp:	300091
Ion Ratio		Lower	Upper
43	100		
58	30.0	24.9	37.3





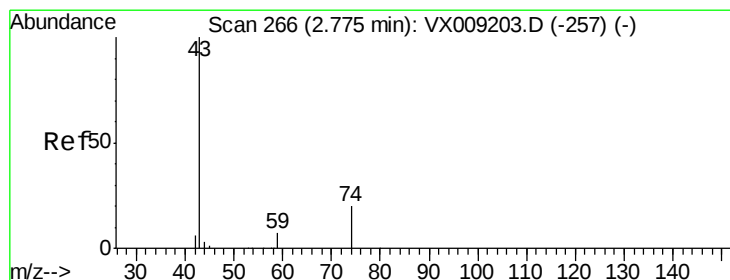
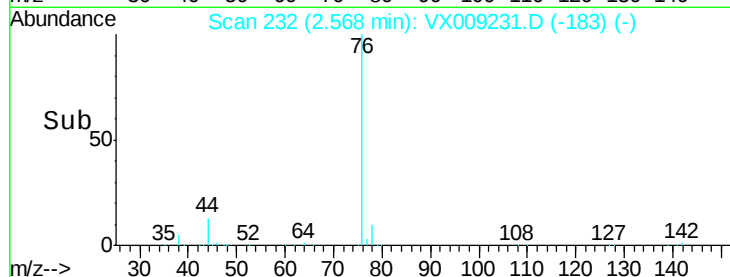
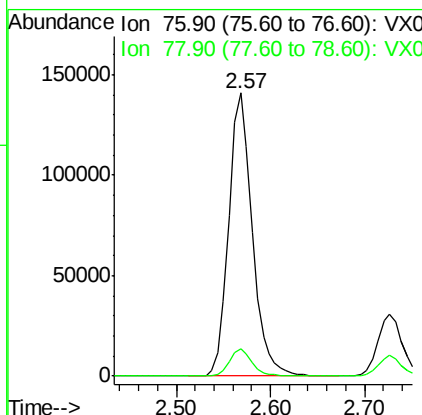
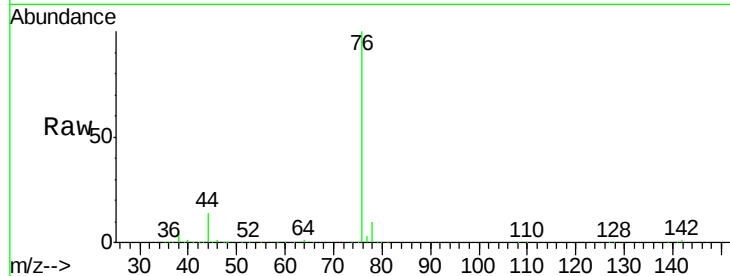
#17
Carbon Disulfide
Concen: 50.956 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.0

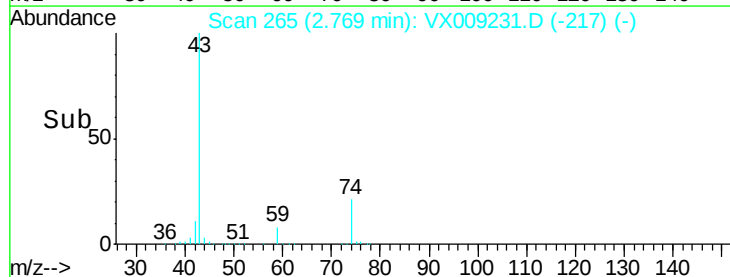
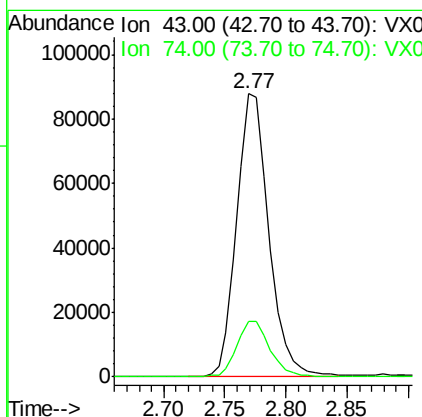
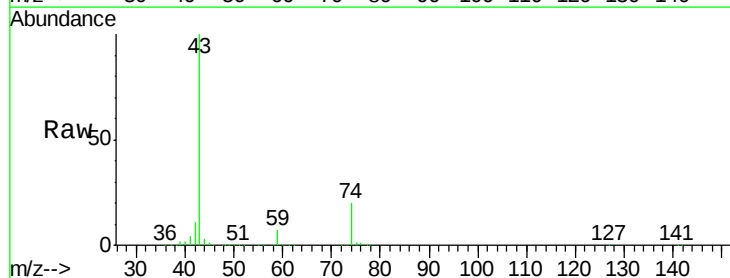
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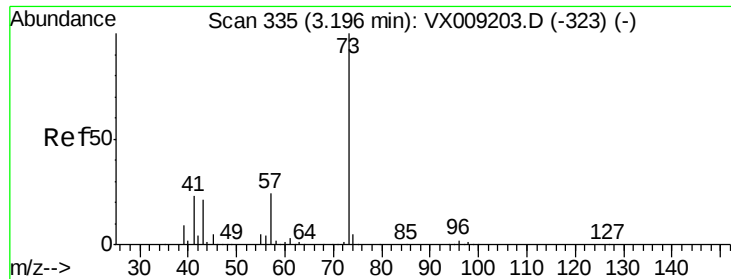
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#18
Methyl Acetate
Concen: 49.881 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.7	16.2	24.4





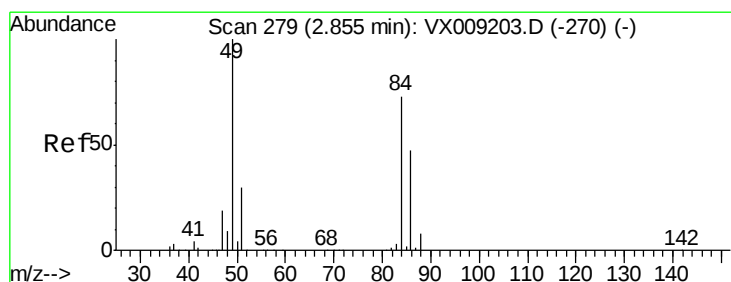
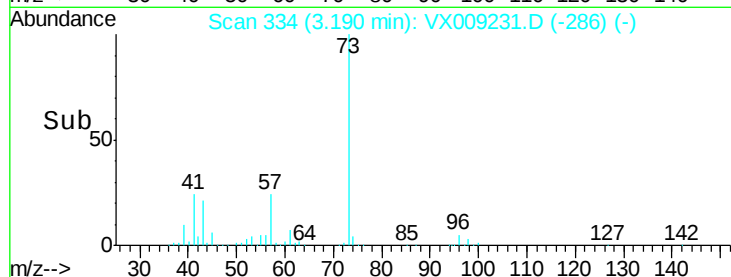
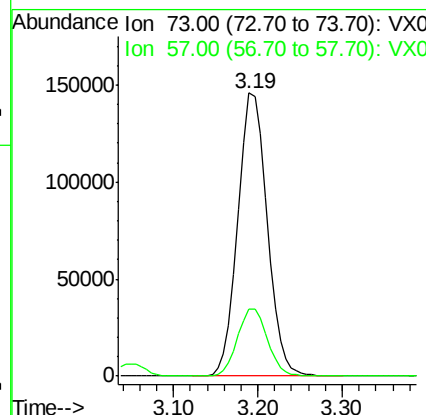
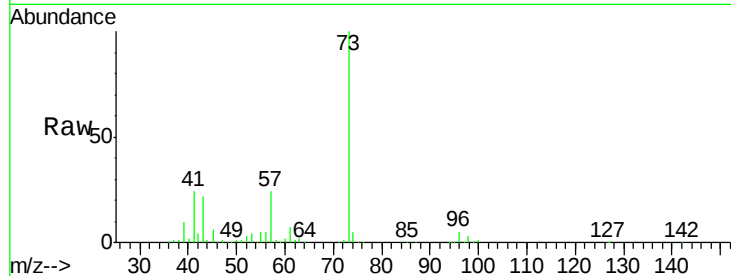
#19
Methyl tert-butyl Ether
Concen: 51.552 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 343946
Ion Ratio Lower Upper
73 100
57 23.6 19.3 28.9

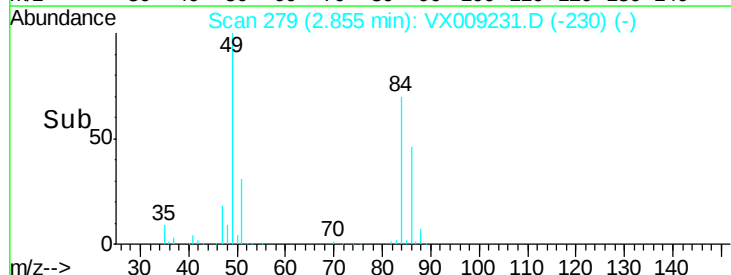
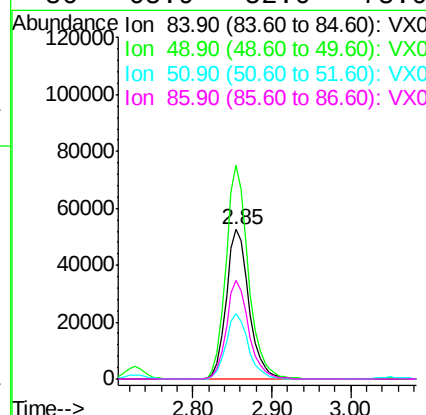
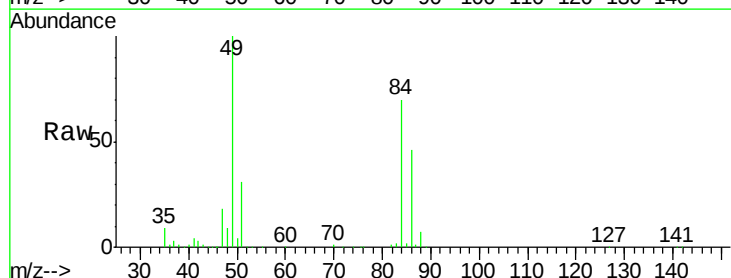
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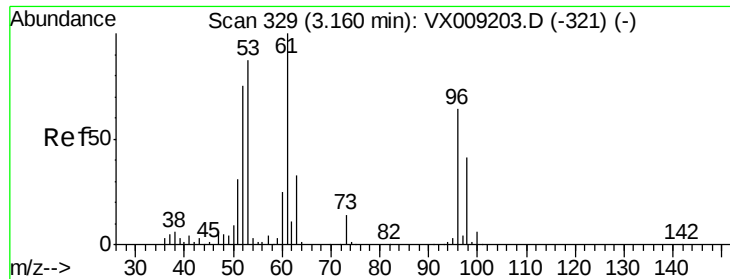
MMDadoda
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#20
Methylene Chloride
Concen: 48.502 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Tgt Ion: 84 Resp: 105407
Ion Ratio Lower Upper
84 100
49 142.7 109.9 164.9
51 43.9 32.7 49.1
86 65.9 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 50.867 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 94779

Ion Ratio Lower Upper

96 100

61 156.1 124.5 186.7

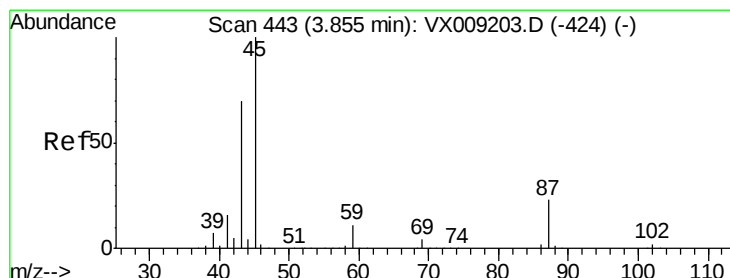
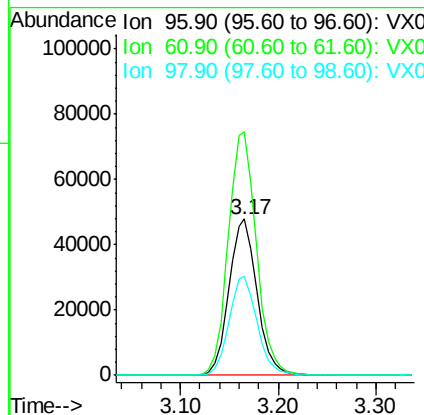
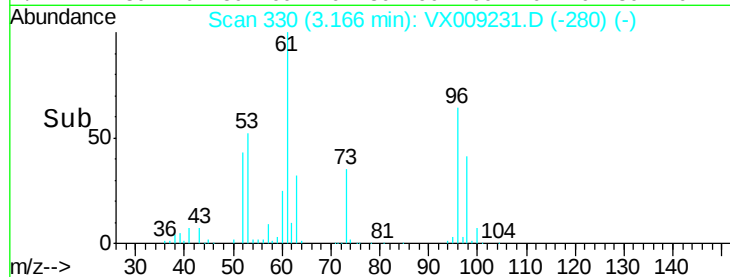
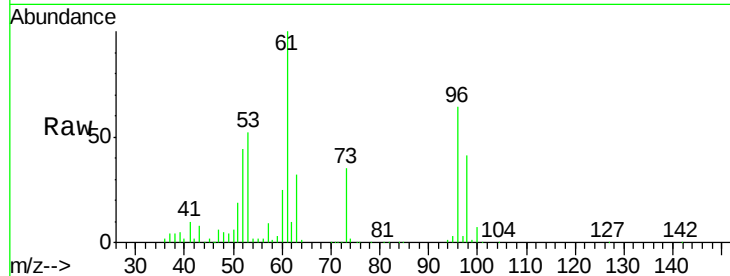
98 63.5 50.4 75.6

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#22

Diisopropyl ether

Concen: 51.326 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Tgt Ion: 45 Resp: 413282

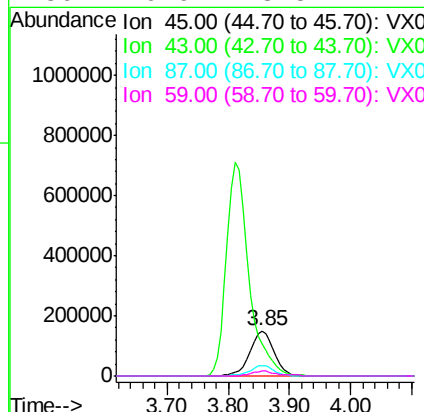
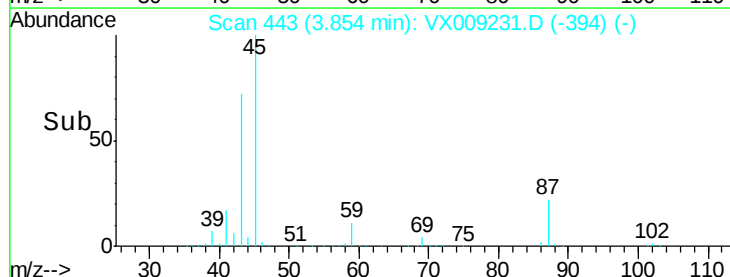
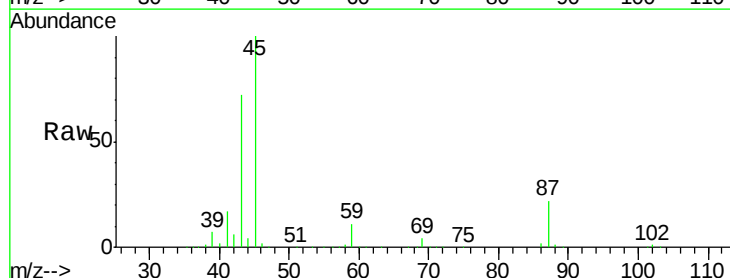
Ion Ratio Lower Upper

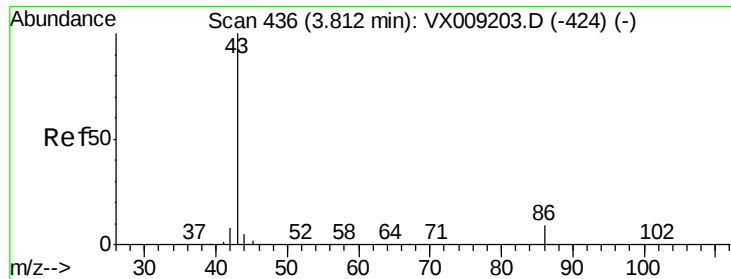
45 100

43 71.7 56.1 84.1

87 22.2 18.1 27.1

59 10.9 8.5 12.7





#23

Vinyl Acetate

Concen: 264.677 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1824975

Ion Ratio Lower Upper

43 100

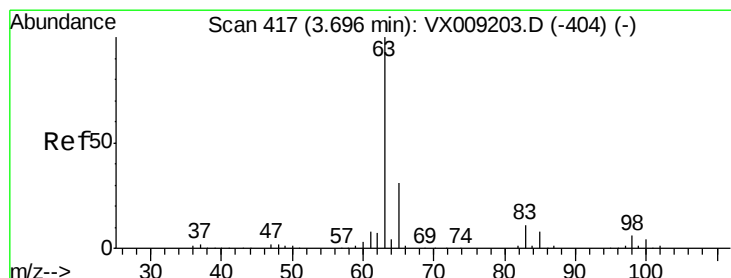
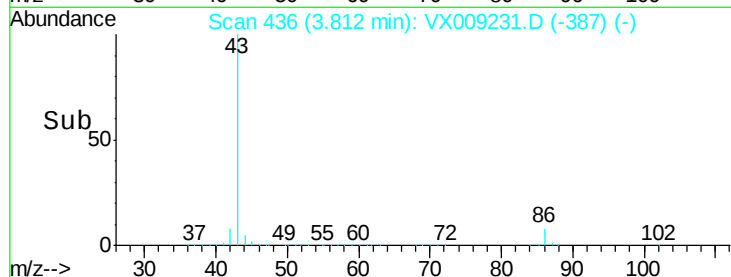
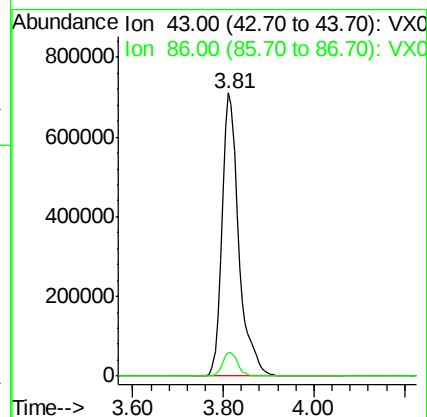
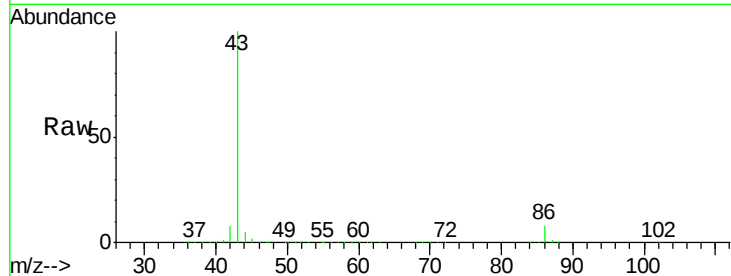
86 8.5 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 50.564 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

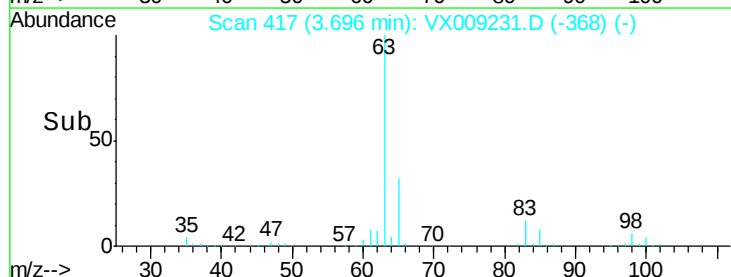
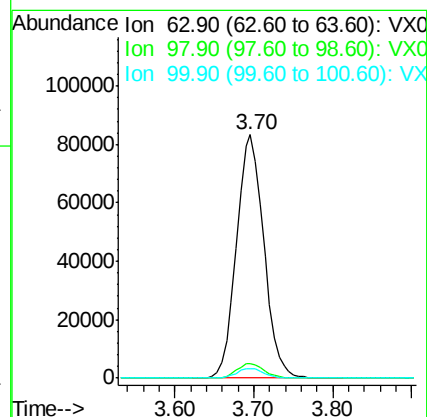
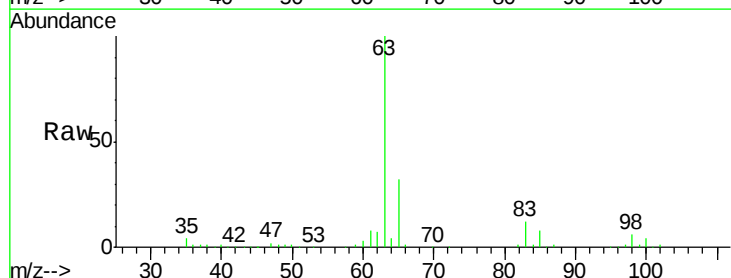
Tgt Ion: 63 Resp: 200848

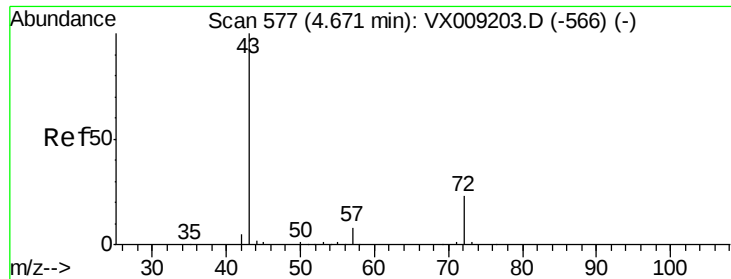
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 250.542 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 522572

Ion Ratio Lower Upper

43 100

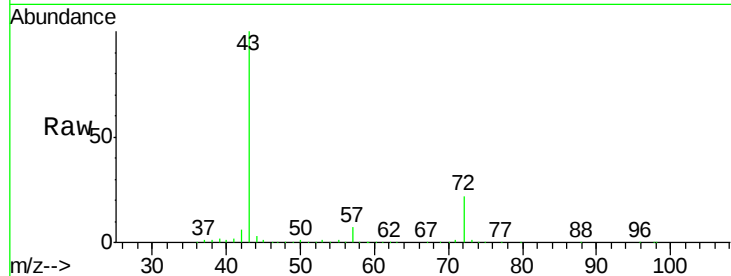
72 22.4 18.2 27.2

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

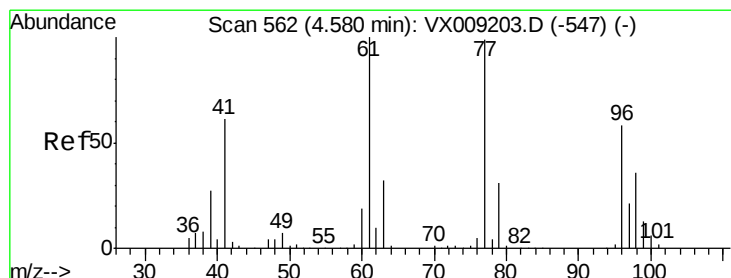
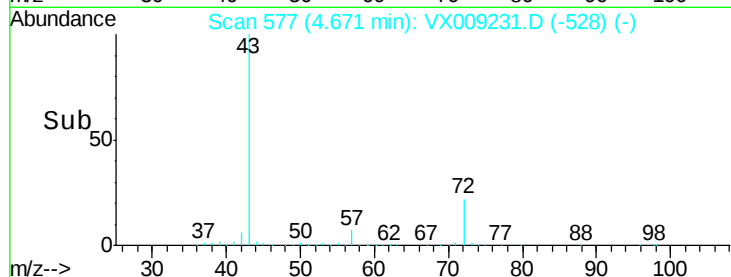
100000

50000

0

4.60 4.67 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 39.950 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009231.D

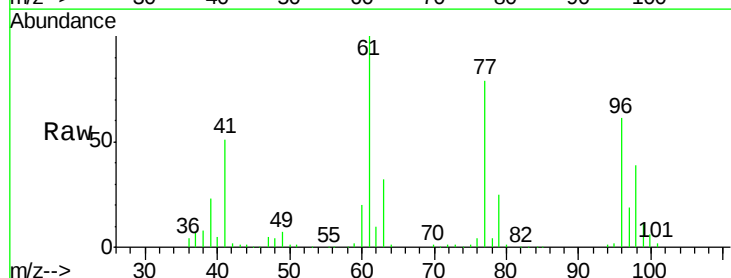
Acq: 30 Apr 2019 00:32

Tgt Ion: 77 Resp: 118117

Ion Ratio Lower Upper

77 100

97 24.1 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

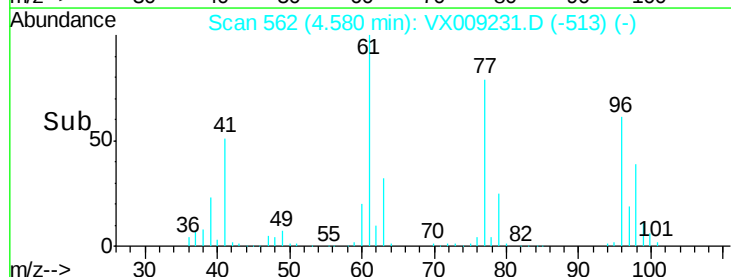
20000

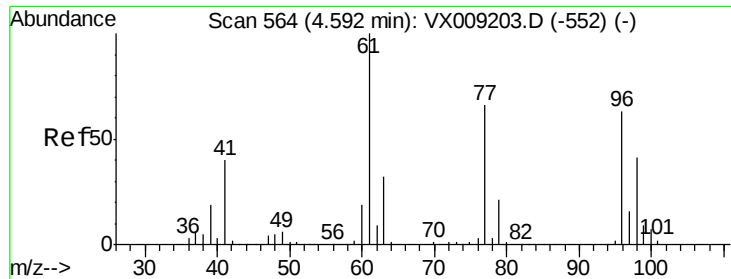
10000

0

4.40 4.50 4.58 4.60 4.70

Time-->





#27

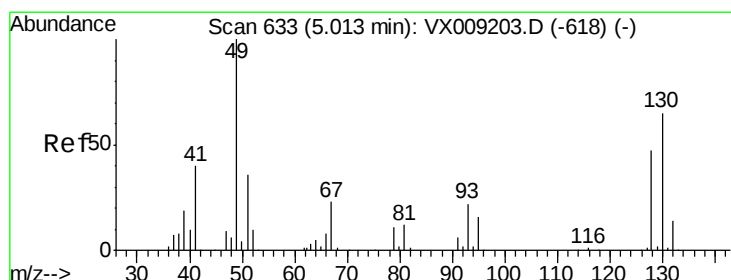
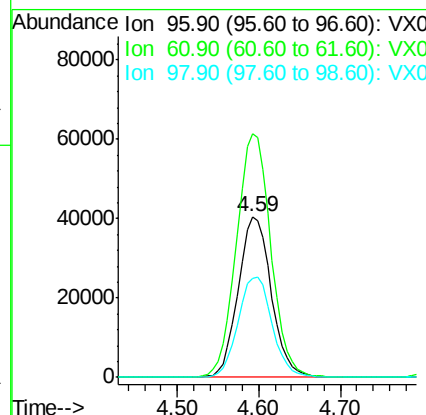
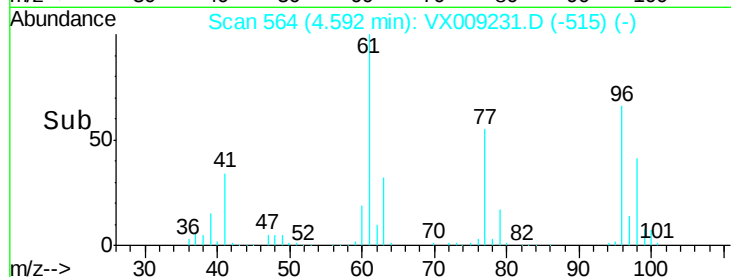
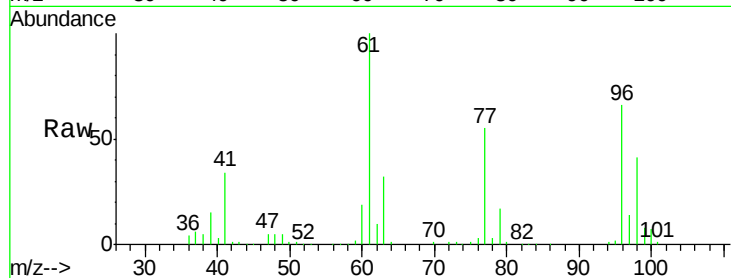
cis-1,2-Dichloroethene
Concen: 50.998 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.7	0.0	324.0
98	64.4	0.0	130.4

Manual Integrations
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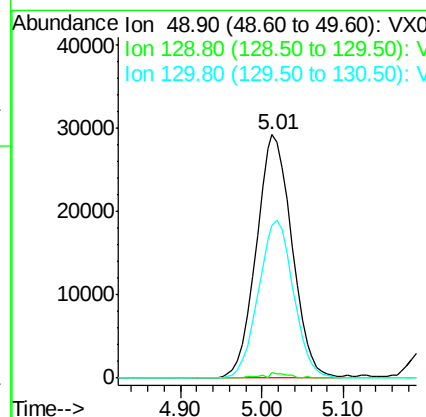
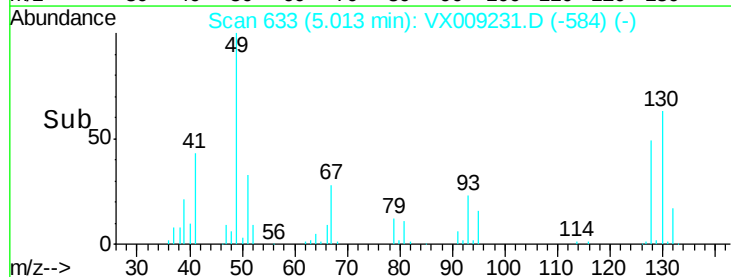
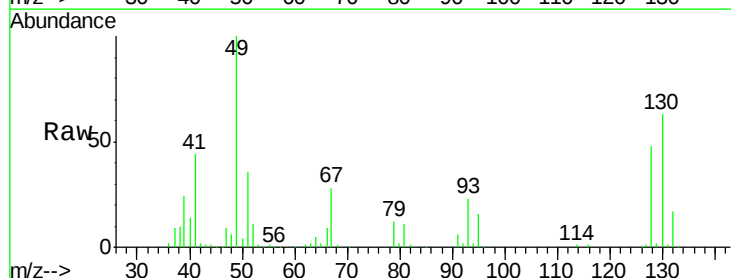
MMDadoda
4/30/2019 11:04:12 AM

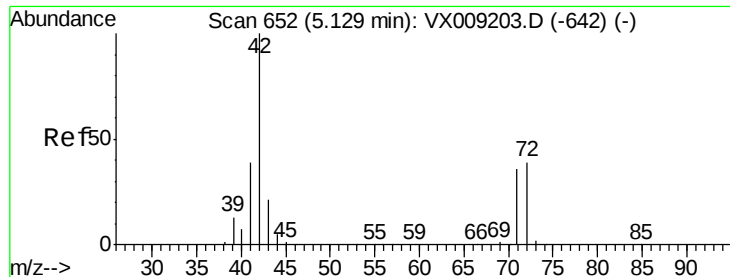


#28

Bromochloromethane
Concen: 56.194 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	63.6	51.2	76.8





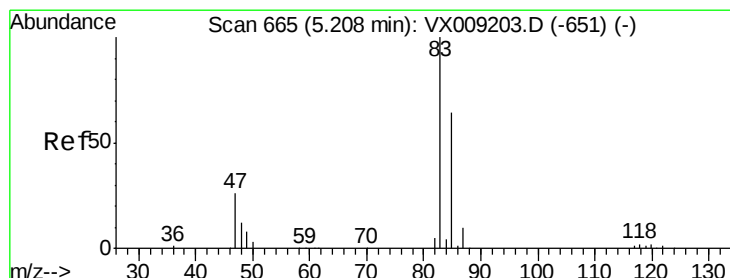
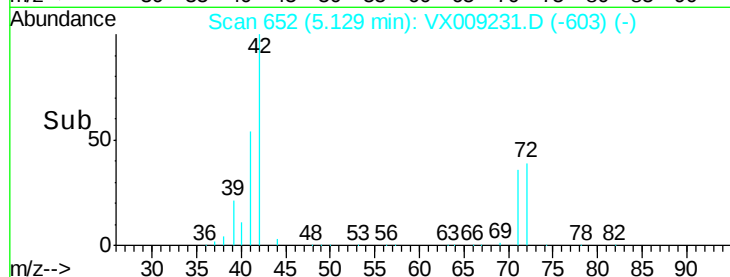
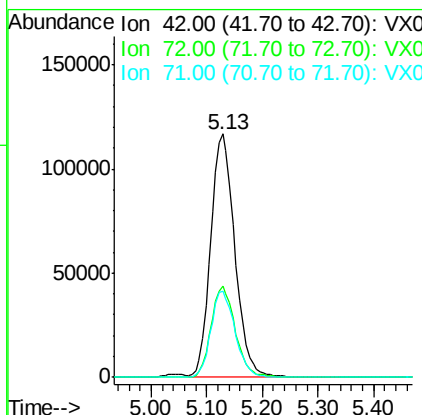
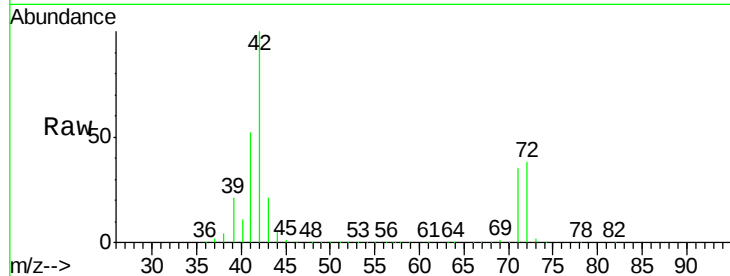
#29
Tetrahydrofuran
Concen: 261.981 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.4	45.6
71	35.5	28.6	43.0

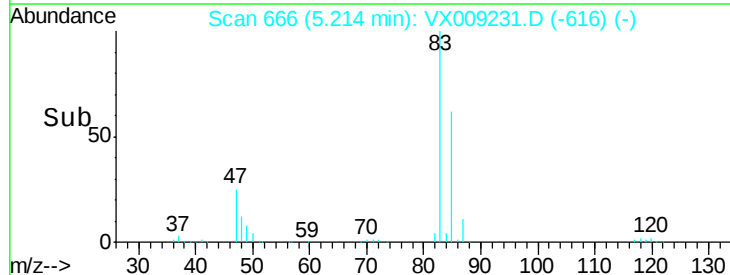
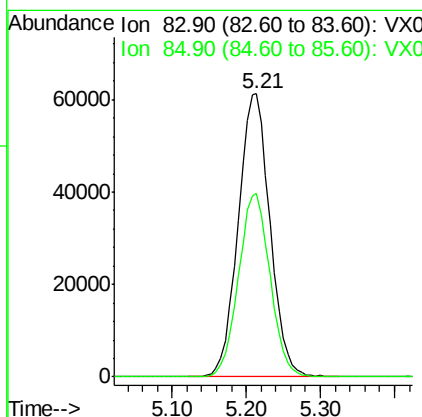
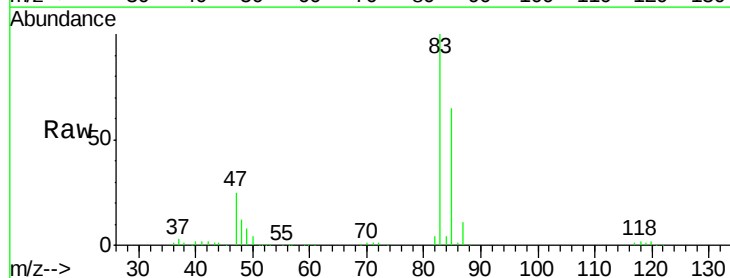
Manual Integrations
APPROVED

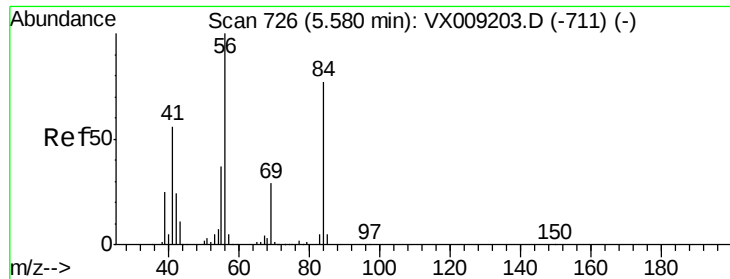
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4/30/2019 11:04:12 AM



#30
Chloroform
Concen: 51.068 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.5	77.3





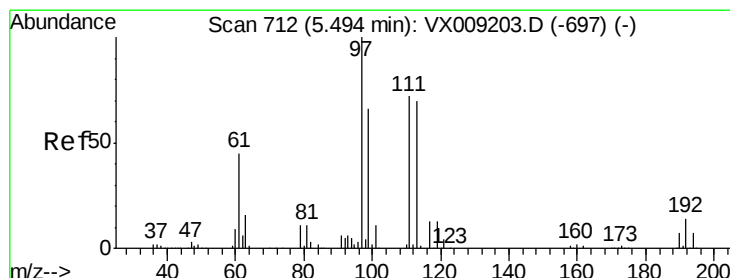
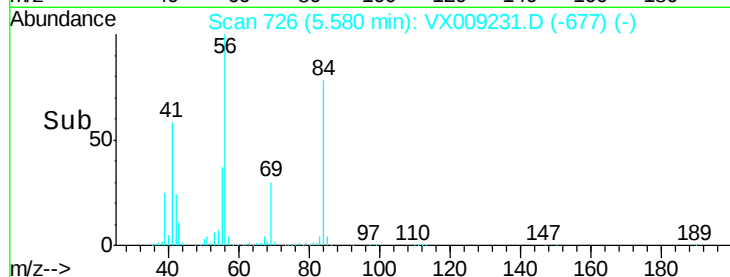
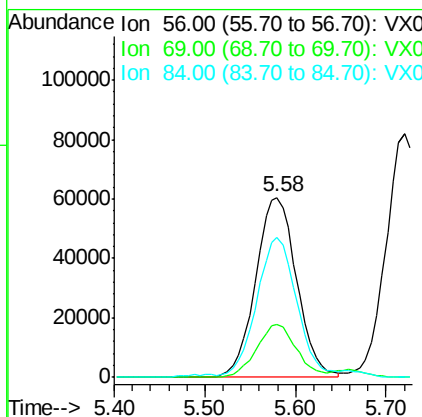
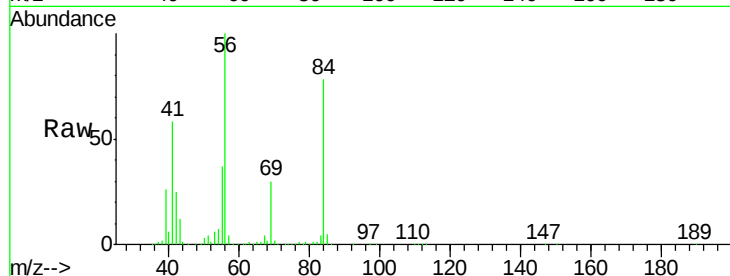
#31
Cyclohexane
Concen: 51.195 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.4	35.0
84	76.4	61.9	92.9

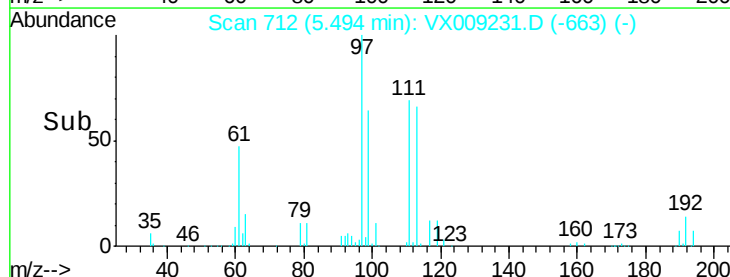
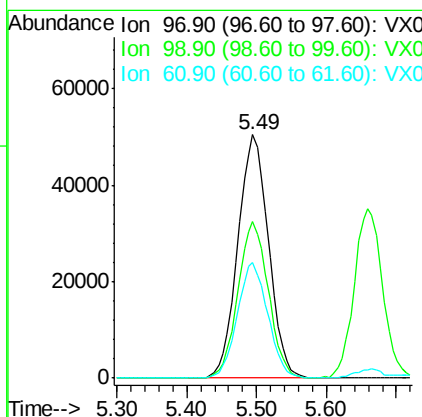
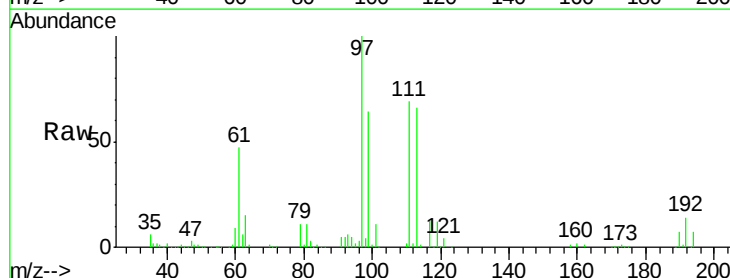
Manual Integrations
APPROVED

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#32
1,1,1-Trichloroethane
Concen: 51.397 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.8
61	47.3	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 52.596 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Tot Ion: 65 Resp: 131472

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.6

Instrument :

MSVOA_X

ClientSampleId :

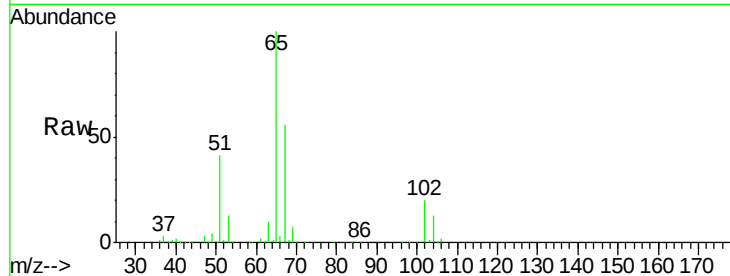
VSTDCCC050EC

Manual Integrations

APPROVED

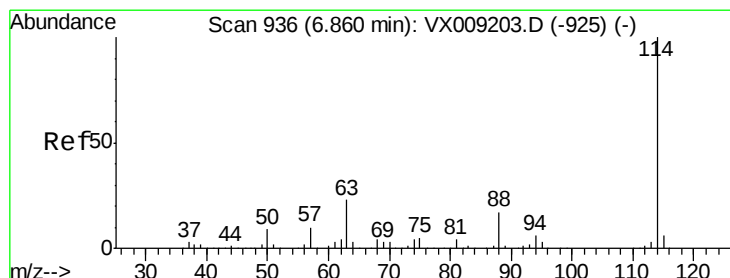
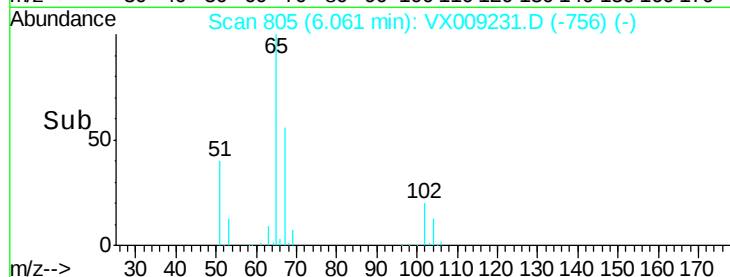
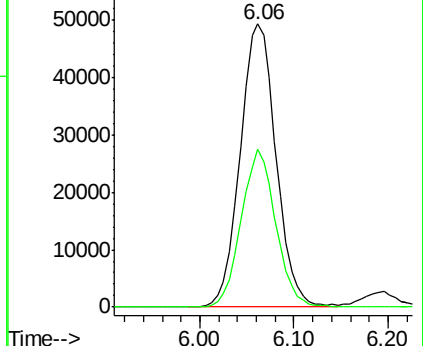
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

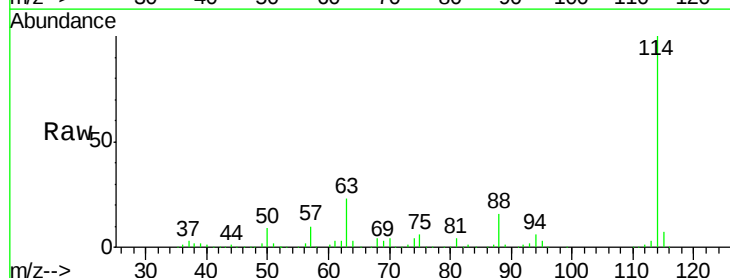
Tgt Ion: 114 Resp: 305559

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.6

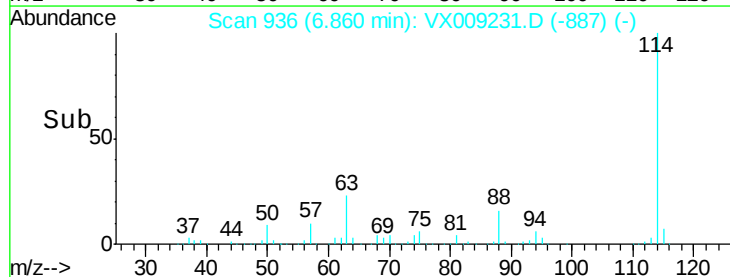
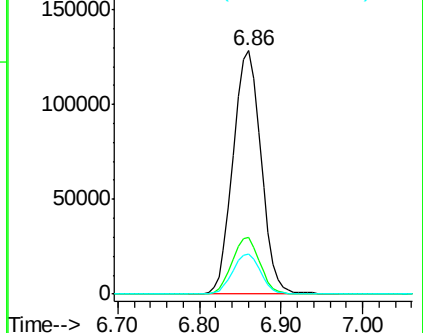
88 16.5 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





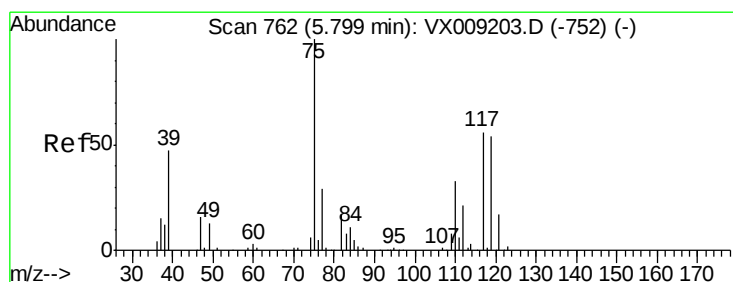
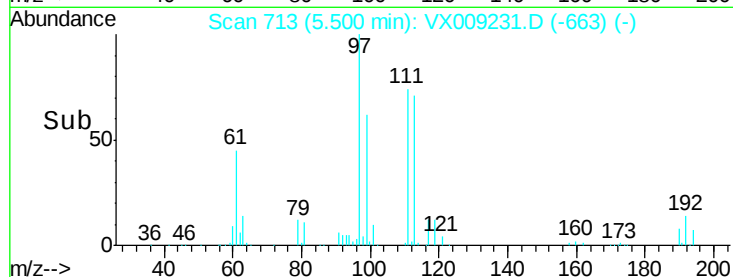
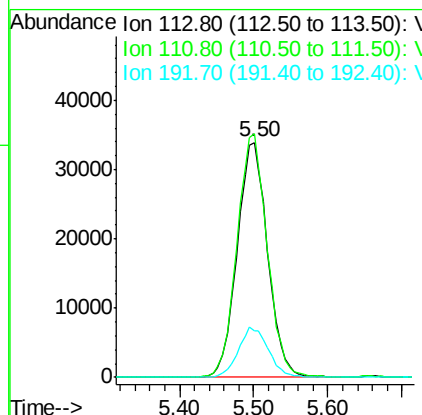
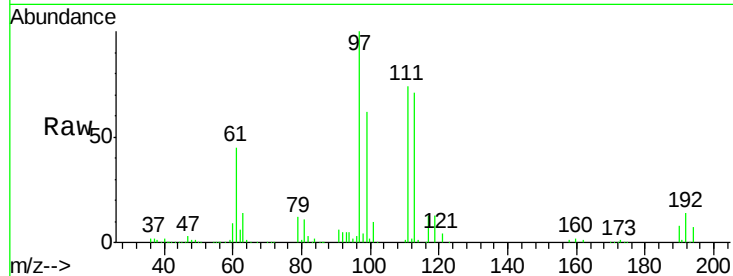
#35
 Dibromofluoromethane
 Concen: 50.747 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009231.D
 Acq: 30 Apr 2019 00:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.8	124.2
192	20.9	17.0	25.6

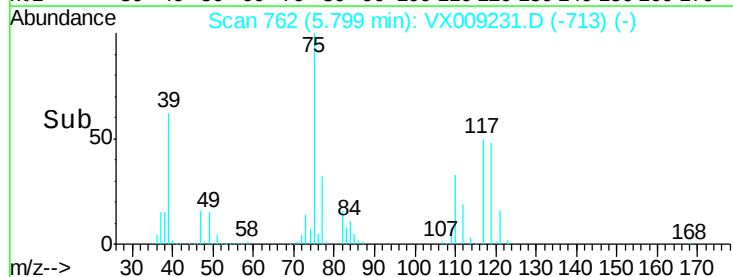
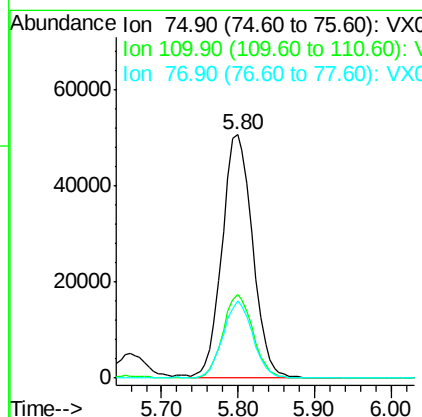
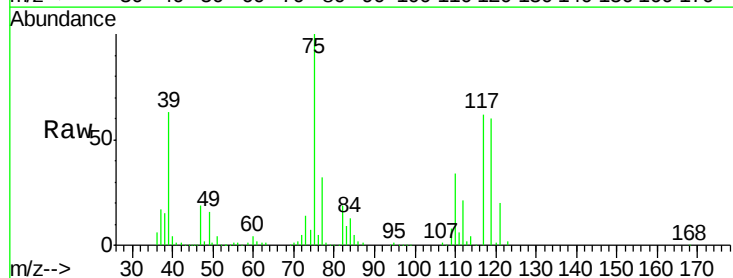
Manual Integrations
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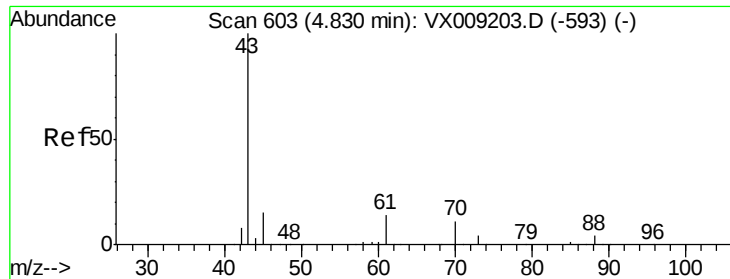
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#36
 1,1-Dichloropropene
 Concen: 49.091 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009231.D
 Acq: 30 Apr 2019 00:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.6
77	31.1	24.8	37.2





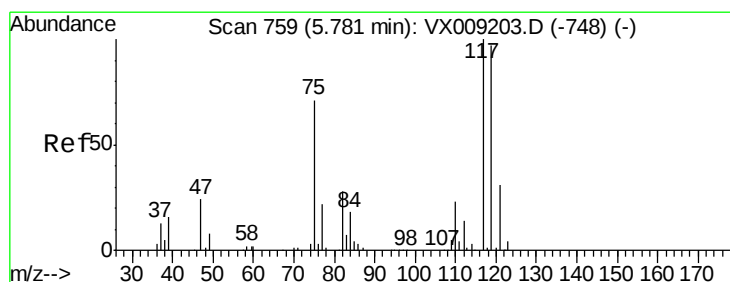
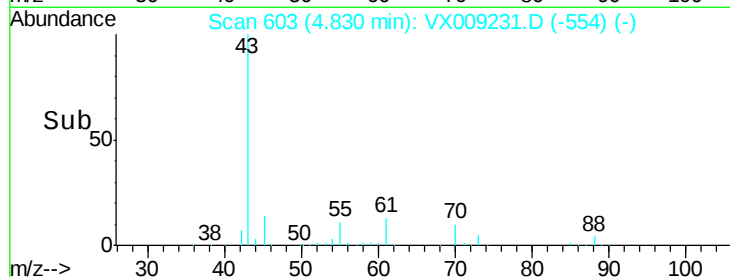
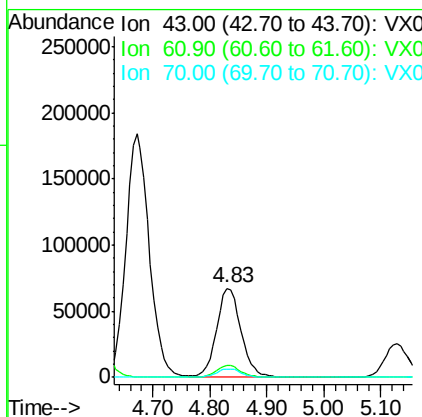
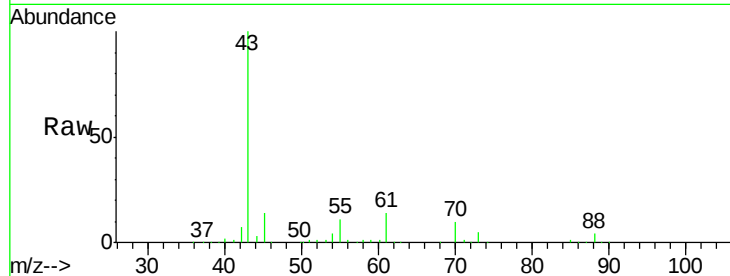
#37
Ethyl Acetate
Concen: 50.839 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	9.6	7.9	11.9

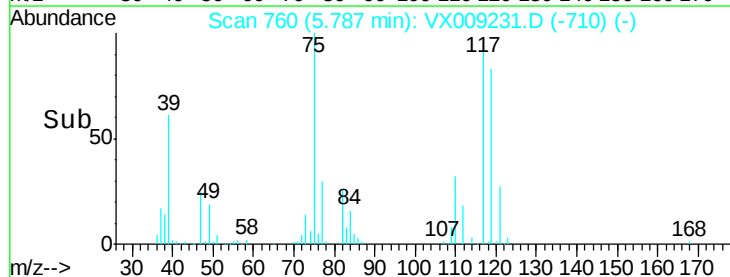
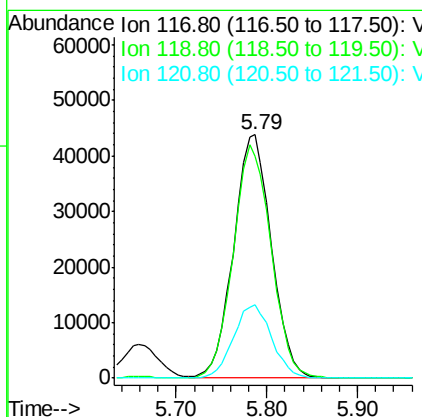
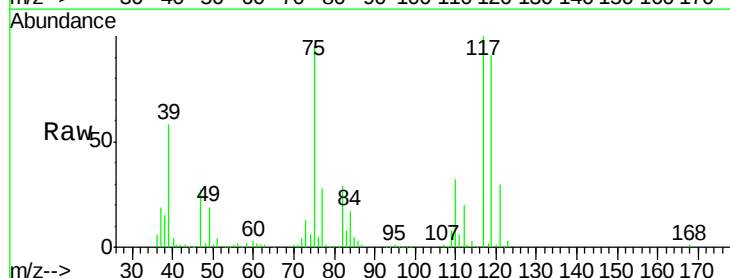
Manual Integrations
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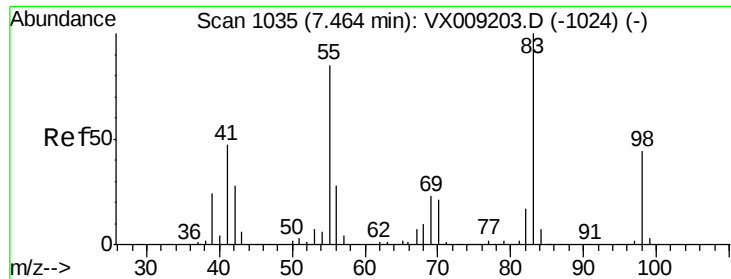
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#38
Carbon Tetrachloride
Concen: 49.157 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.4	77.5	116.3
121	30.2	24.7	37.1





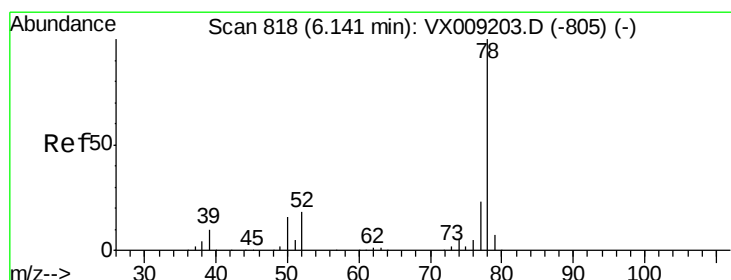
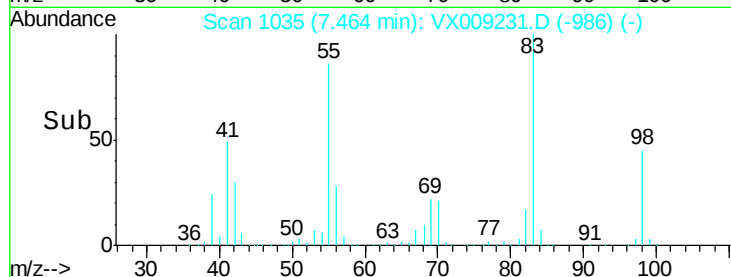
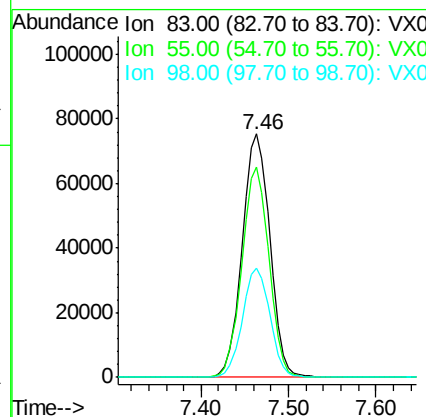
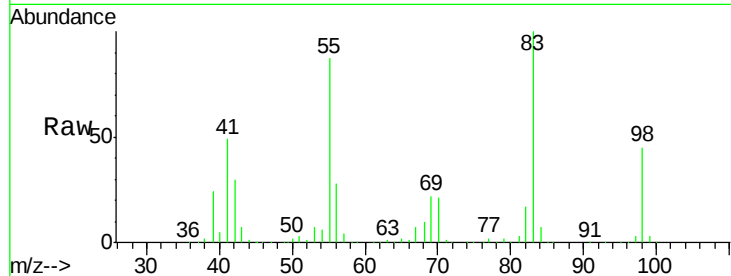
#39
Methvlcvclohexane
Concen: 47.526 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	165736
Ion Ratio	Lower	Upper	
83	100		
55	86.5	67.7	101.5
98	45.1	35.5	53.3

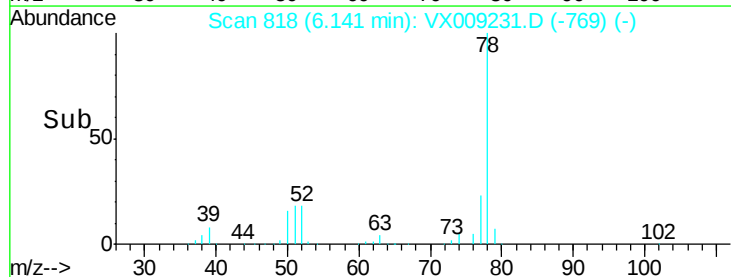
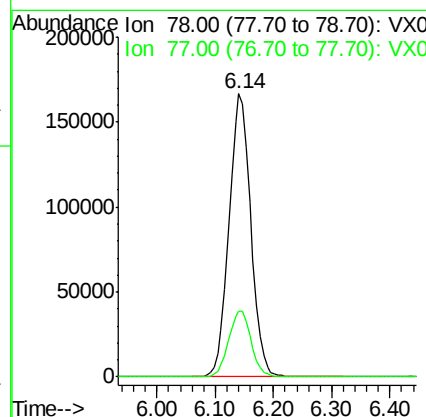
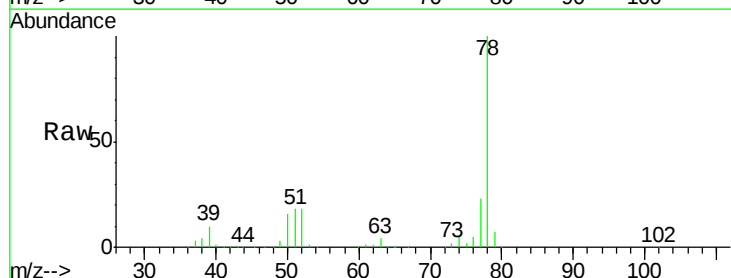
Manual Integrations
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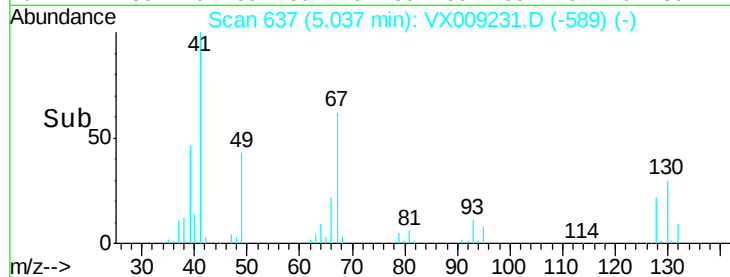
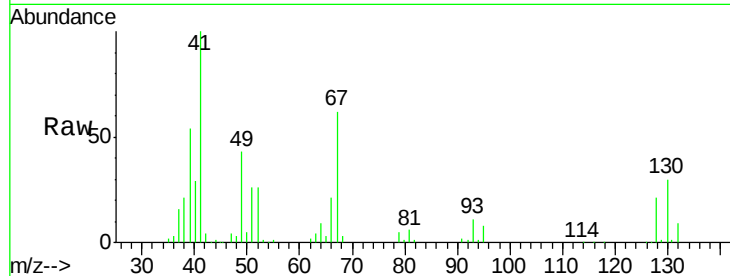
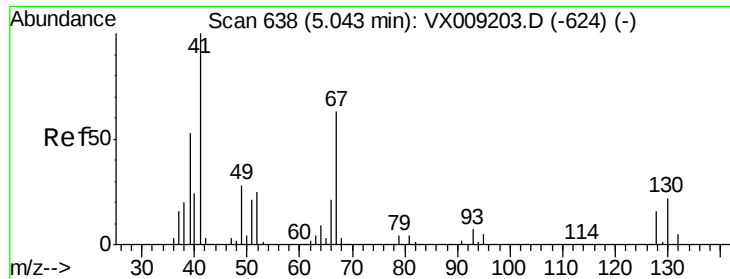
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#40
Benzene
Concen: 49.359 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Tgt Ion	78	Resp	433775
Ion Ratio	Lower	Upper	
78	100		
77	23.4	18.8	28.2





#41

Methacrylonitrile

Concen: 49.250 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	42.0	63.0	
67	62.0	49.8	74.8	
52	26.8	20.3	30.5	

Instrument :

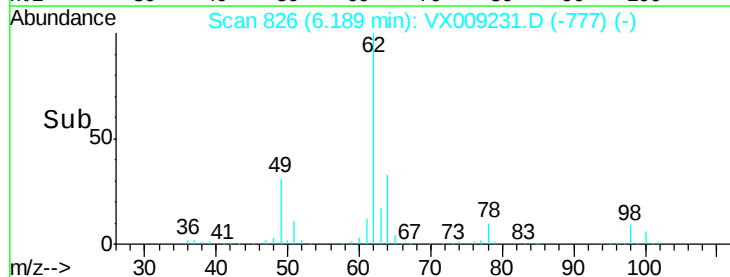
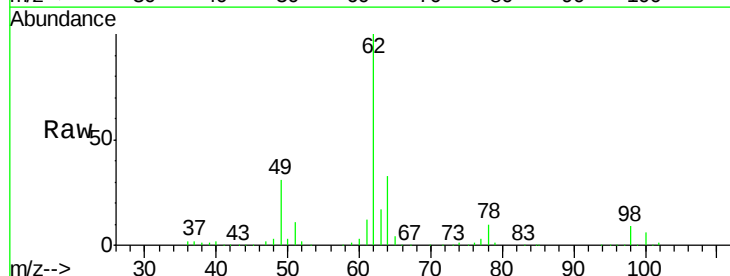
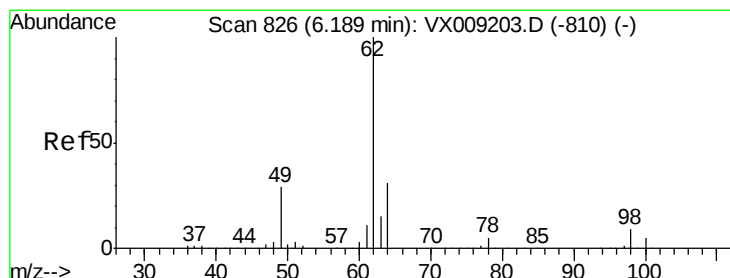
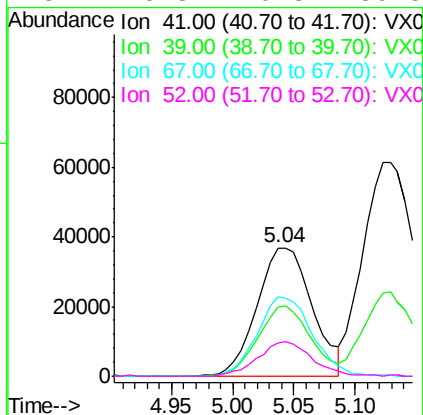
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 49.505 ug/l

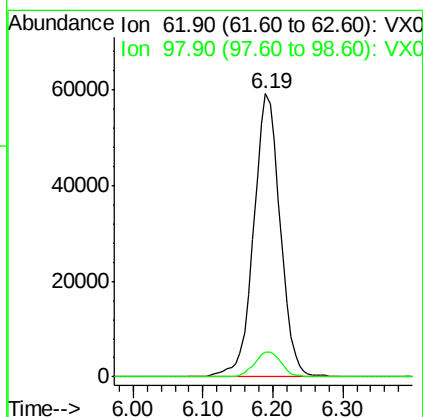
RT: 6.19 min Scan# 826

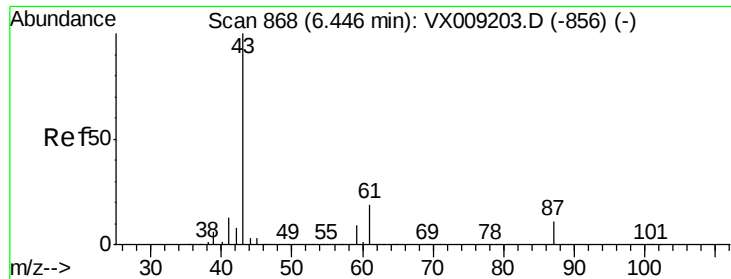
Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.2	





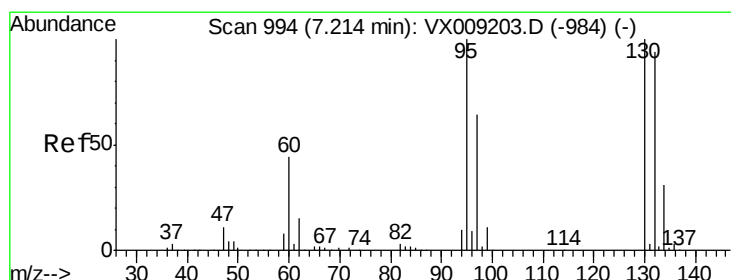
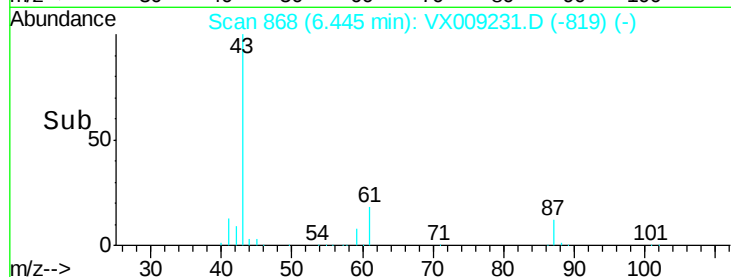
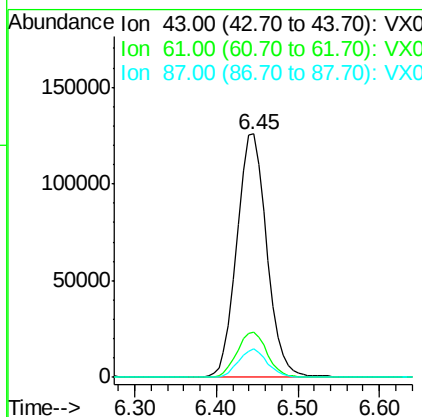
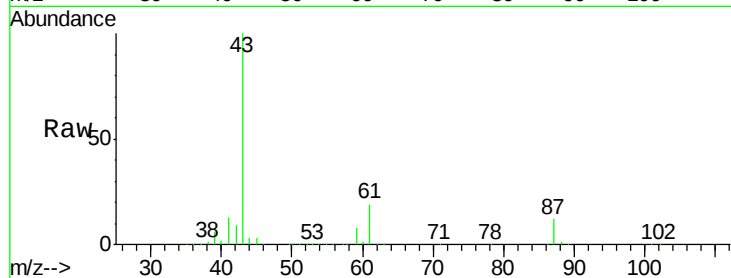
#43
Isopropyl Acetate
Concen: 50.355 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	11.3	9.0	13.6

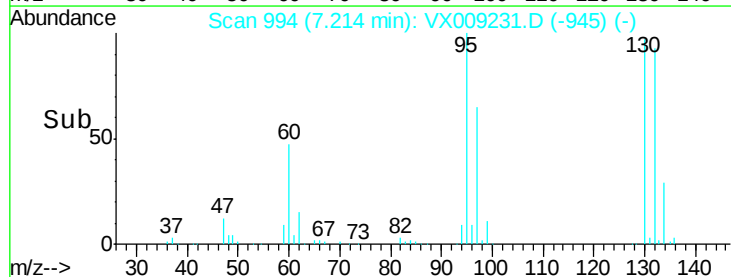
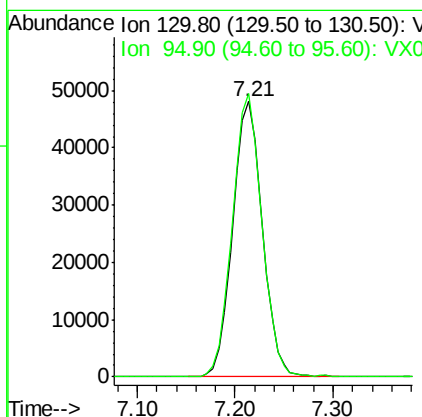
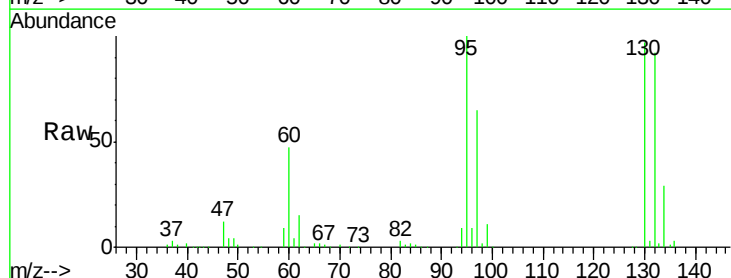
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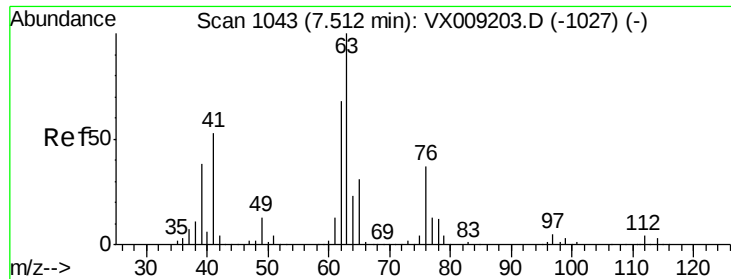
MMDadoda
4/30/2019 11:04:12 AM



#44
Trichloroethene
Concen: 47.902 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	199.2





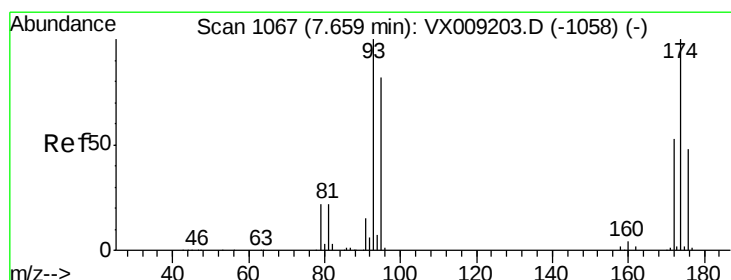
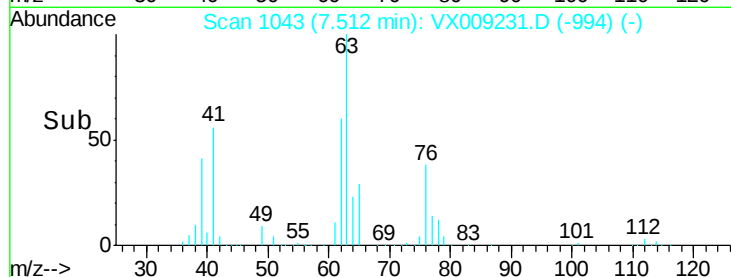
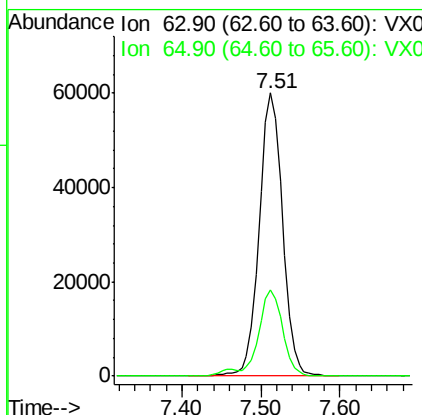
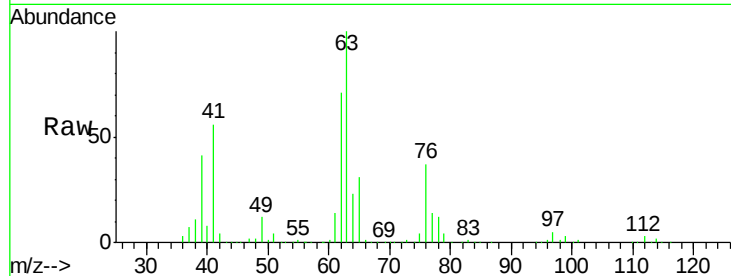
#45
 1,2-Dichloropropane
 Concen: 49.846 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009231.D
 Acq: 30 Apr 2019 00:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 124039
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6

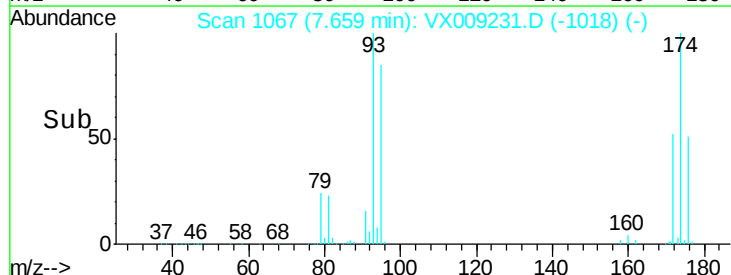
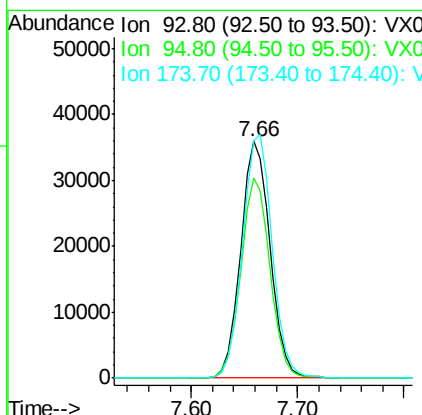
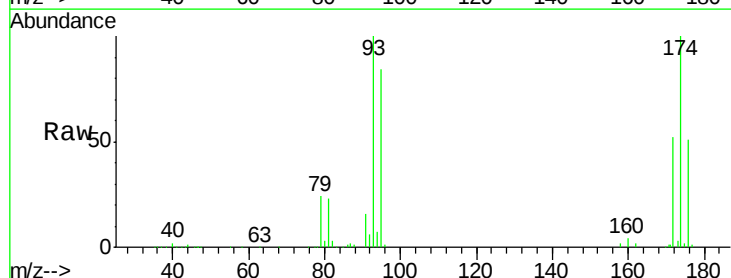
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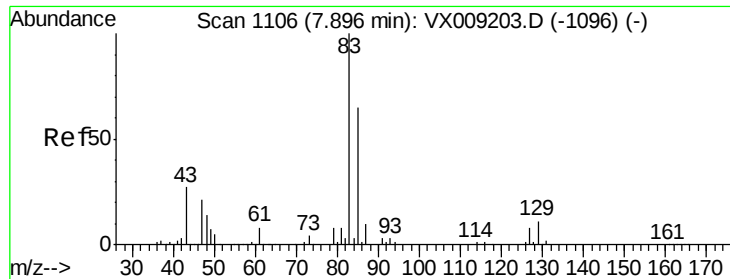
MMDadoda
 4/30/2019 11:04:12 AM



#46
 Dibromomethane
 Concen: 48.295 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009231.D
 Acq: 30 Apr 2019 00:32

Tgt Ion: 93 Resp: 69789
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.5 99.7
 174 103.7 82.1 123.1





#47

Bromodichloromethane

Concen: 49.667 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

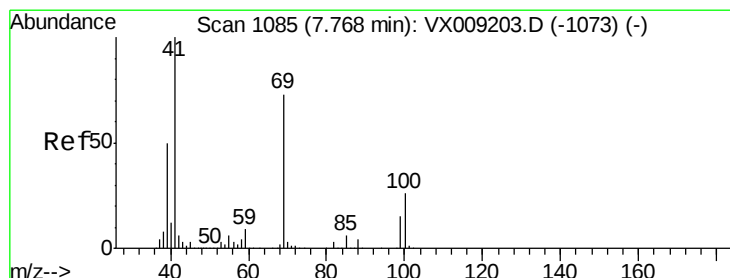
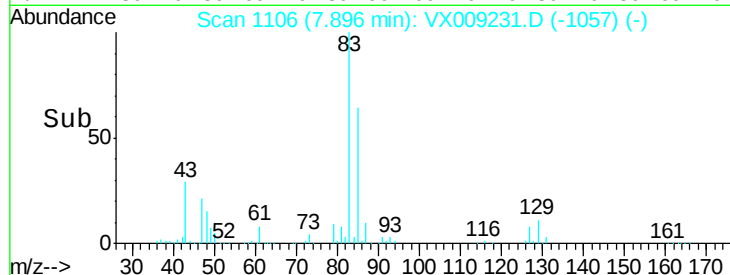
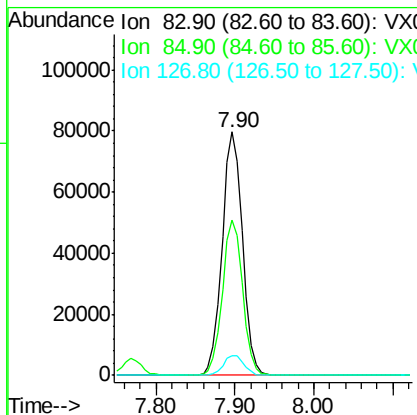
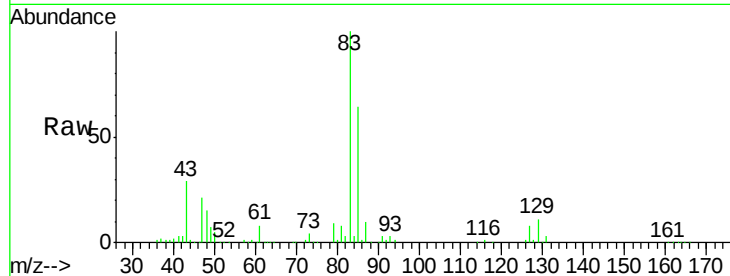
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	143164
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.4	78.6
127	8.0	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.673 ug/l

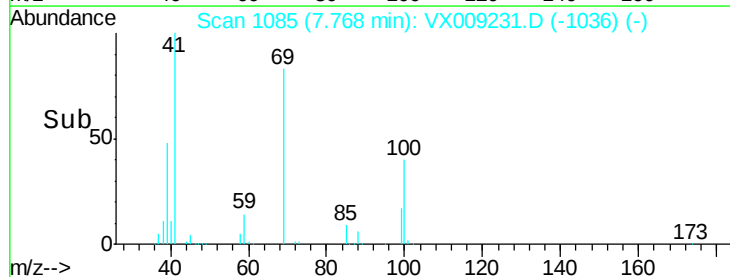
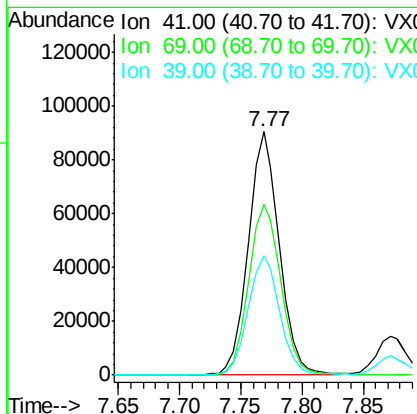
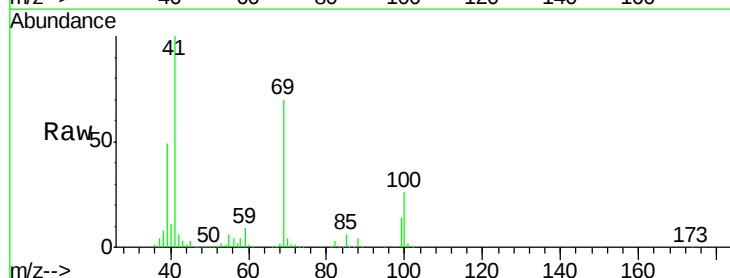
RT: 7.77 min Scan# 1085

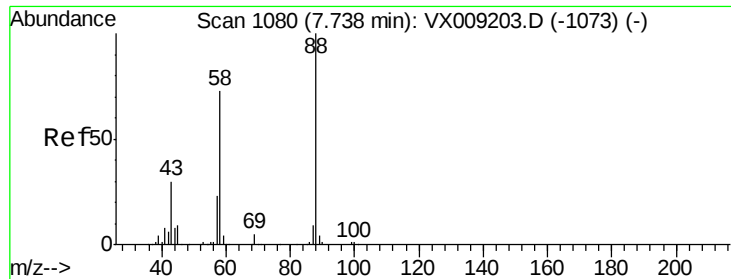
Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Tgt Ion:	41	Resp:	159100
Ion	Ratio	Lower	Upper
41	100		
69	73.7	59.1	88.7
39	50.4	40.4	60.6





#49

1,4-Dioxane

Concen: 926.076 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

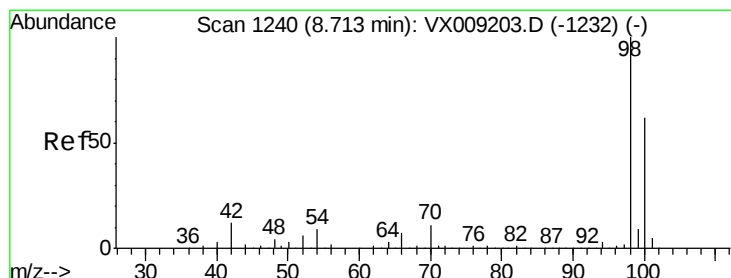
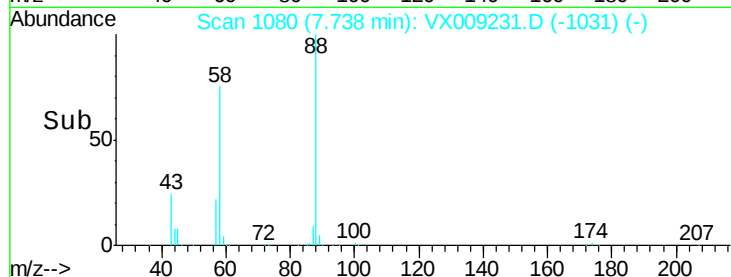
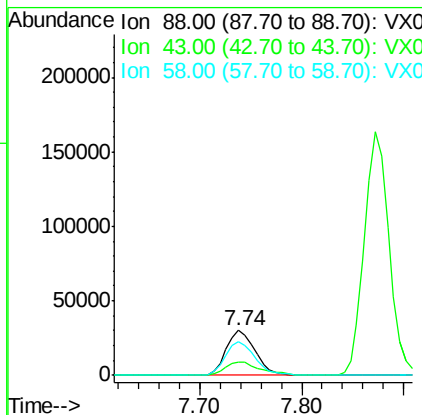
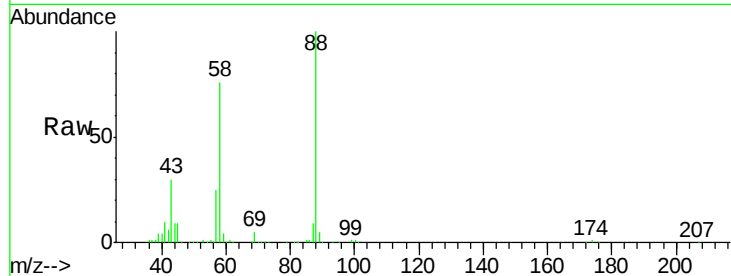
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	58966
Ion	Ratio	Lower	Upper
88	100		
43	37.5	28.6	42.8
58	78.6	61.7	92.5

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#50

Toluene-d8

Concen: 50.601 ug/l

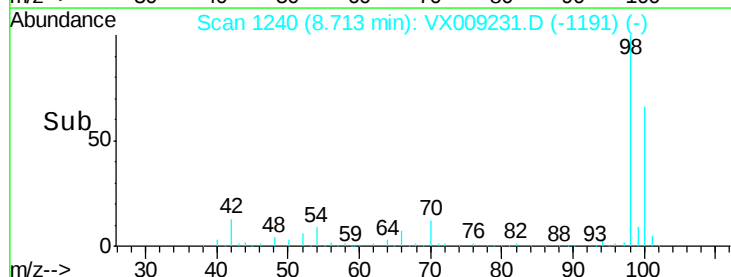
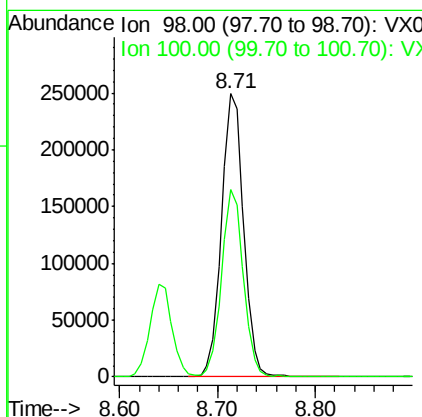
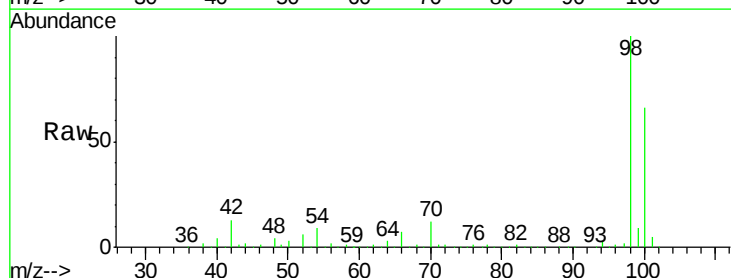
RT: 8.71 min Scan# 1240

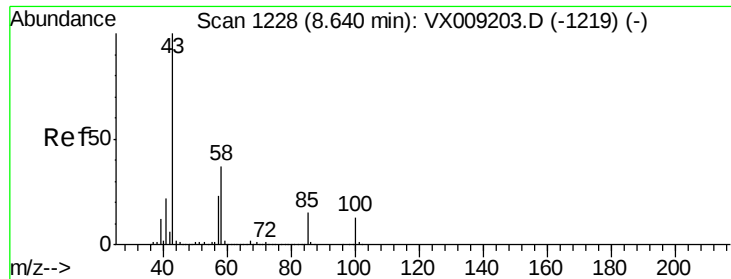
Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Tgt Ion:	98	Resp:	392412
Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 249.361 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1031466

Ion Ratio Lower Upper

43 100

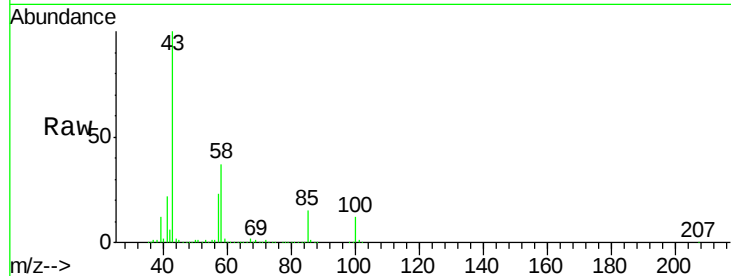
58 36.8 29.5 44.3

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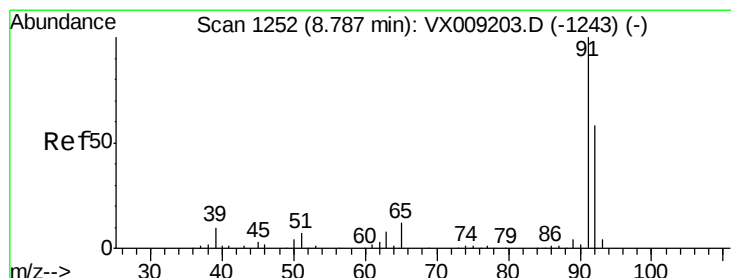
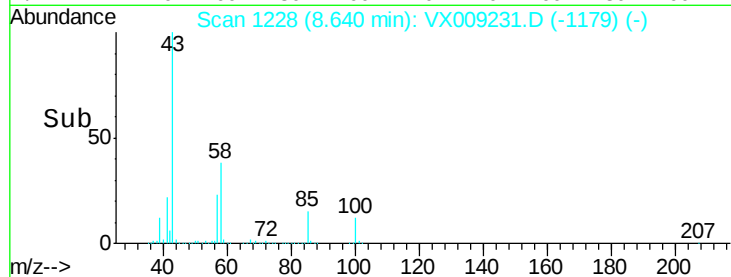
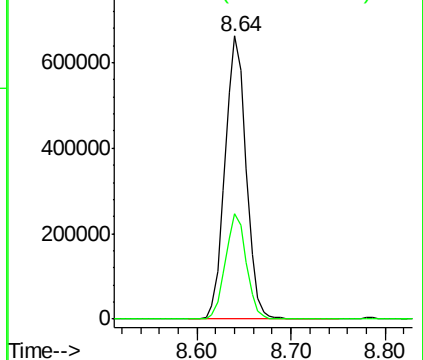
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.210 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009231.D

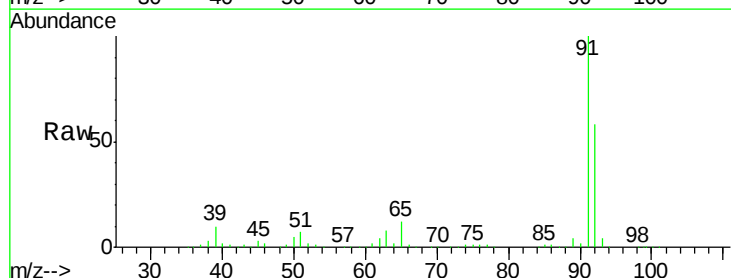
Acq: 30 Apr 2019 00:32

Tgt Ion: 92 Resp: 262880

Ion Ratio Lower Upper

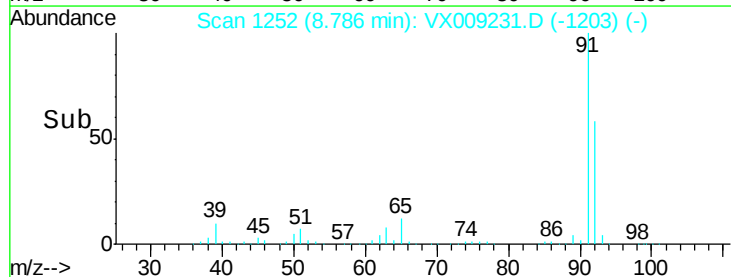
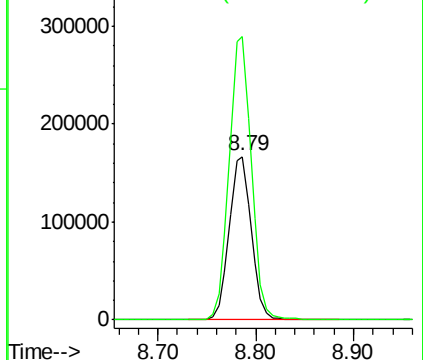
92 100

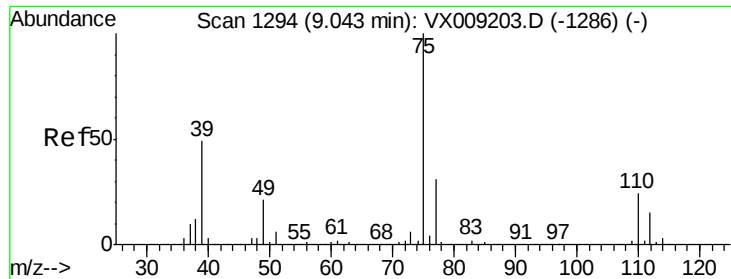
91 174.3 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





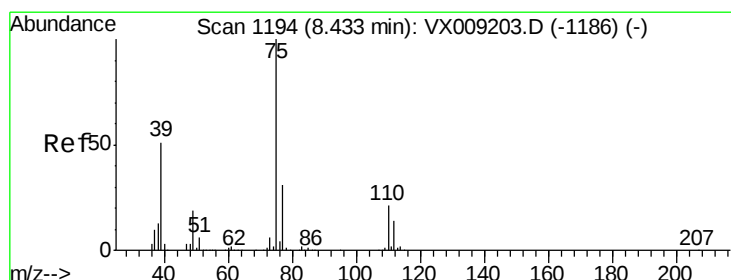
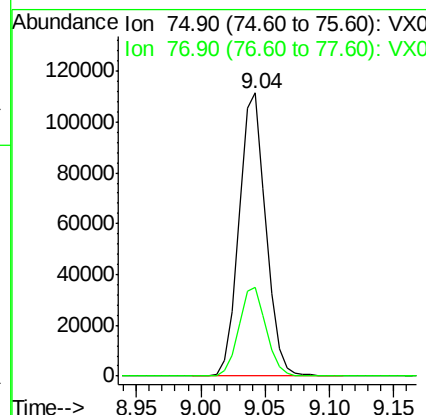
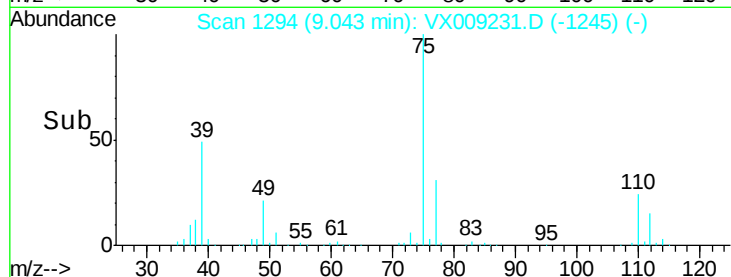
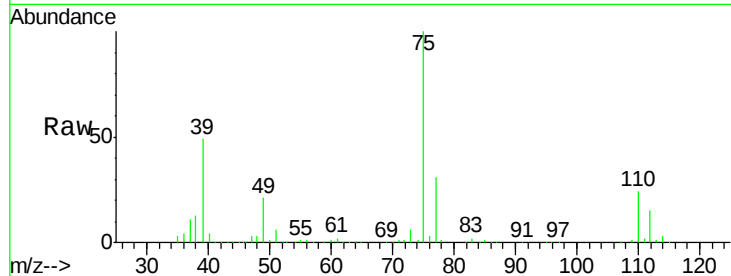
#53
t-1,3-Dichloropropene
Concen: 49.395 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 160748
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.6

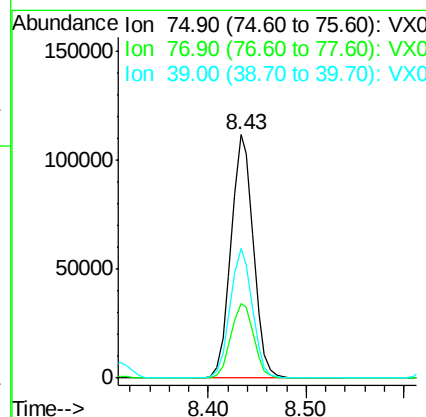
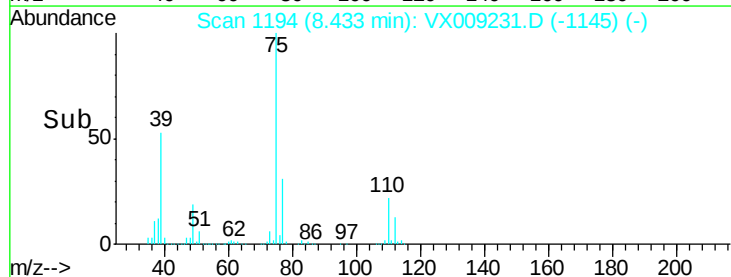
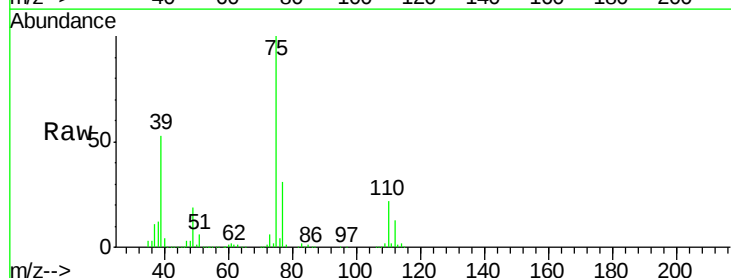
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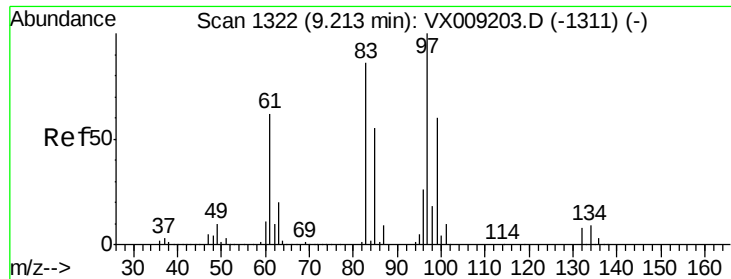
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#54
cis-1,3-Dichloropropene
Concen: 49.199 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Tgt Ion: 75 Resp: 177219
Ion Ratio Lower Upper
75 100
77 30.5 24.6 36.8
39 53.0 40.6 60.8





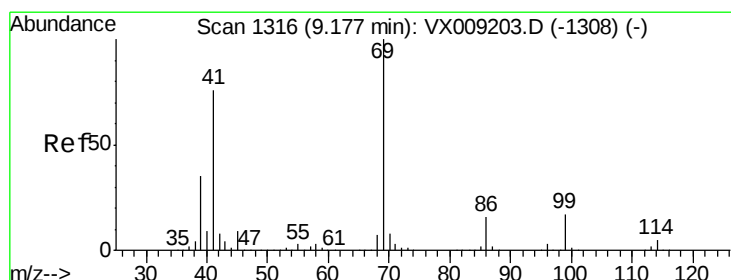
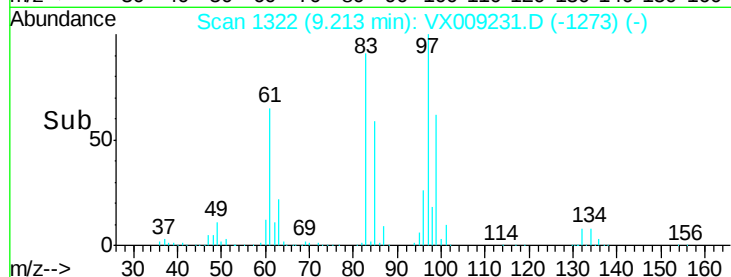
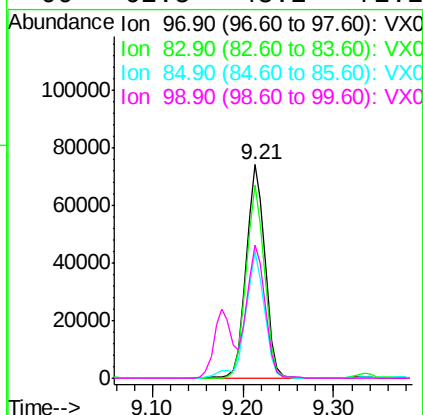
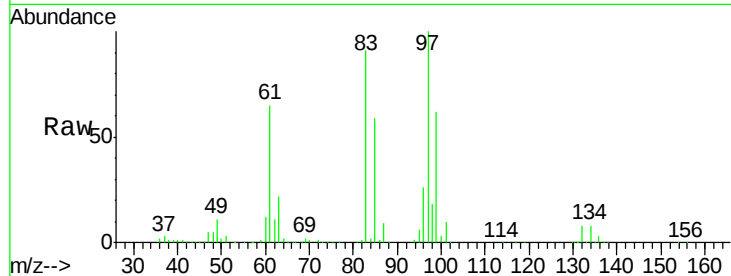
#55
 1,1,2-Trichloroethane
 Concen: 48.976 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009231.D
 Acq: 30 Apr 2019 00:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	106739
Ion	Ratio	Lower	Upper
97	100		
83	90.6	68.9	103.3
85	59.1	43.8	65.6
99	62.5	48.2	72.2

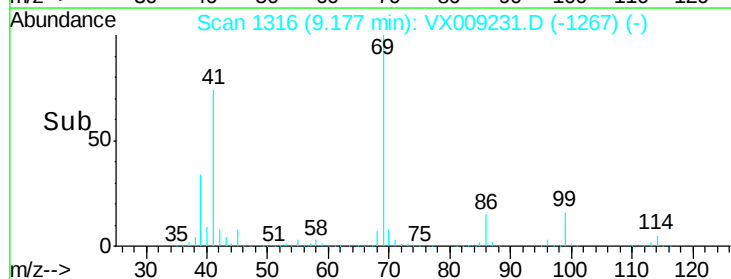
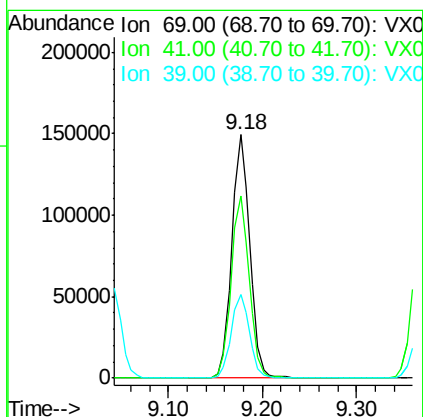
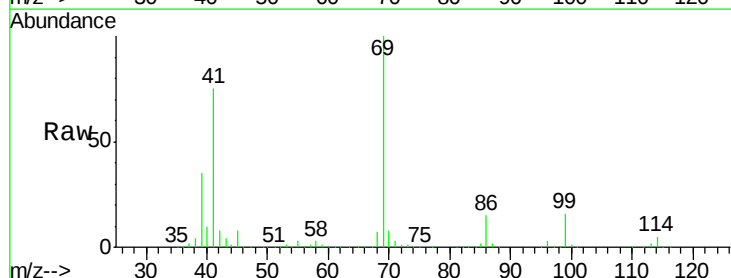
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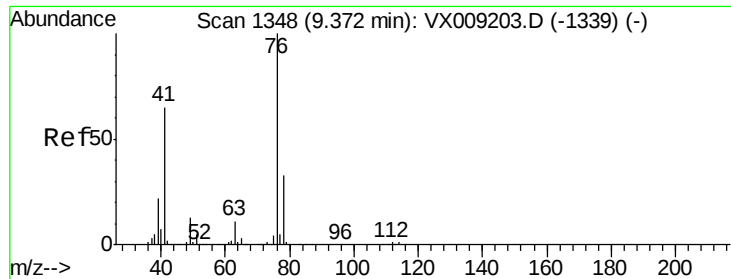
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#56
 Ethyl methacrylate
 Concen: 50.970 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009231.D
 Acq: 30 Apr 2019 00:32

Tgt Ion	69	Resp	198290
Ion	Ratio	Lower	Upper
69	100		
41	75.5	60.6	90.8
39	35.1	28.2	42.4





#57

1,3-Dichloropropane

Concen: 49.428 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 189566

Ion Ratio Lower Upper

76 100

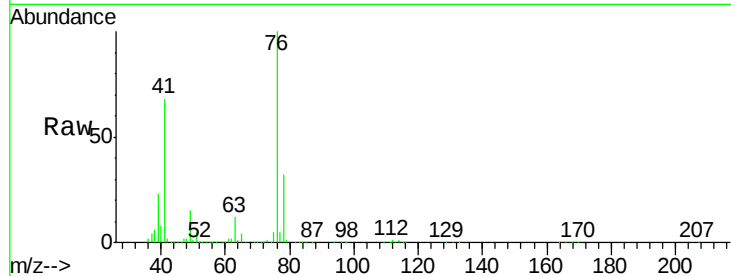
78 31.8 25.5 38.3

Manual Integrations

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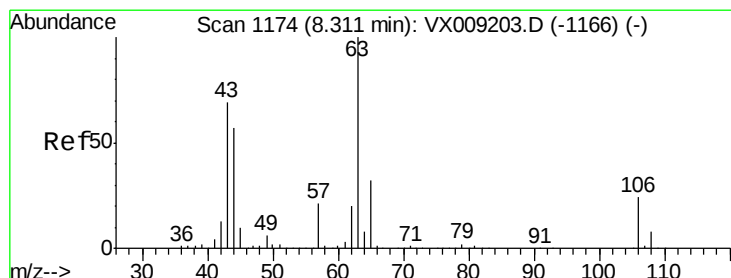
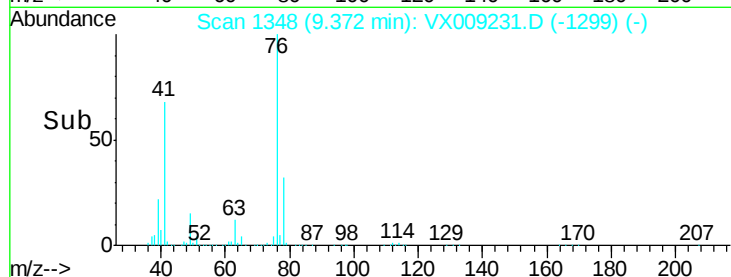
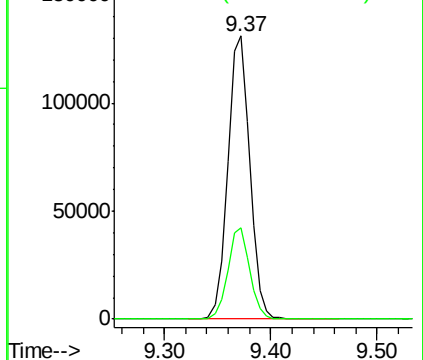
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 258.467 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009231.D

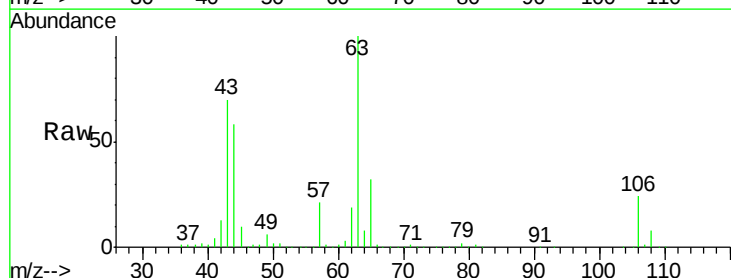
Acq: 30 Apr 2019 00:32

Tgt Ion: 63 Resp: 533428

Ion Ratio Lower Upper

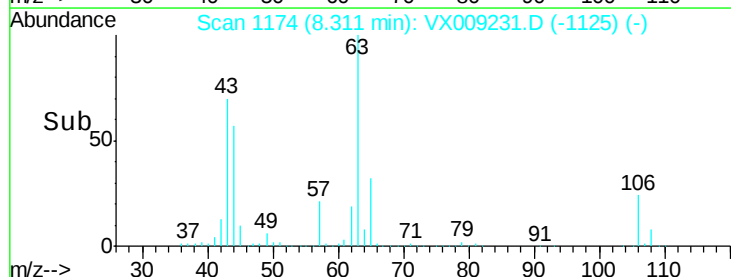
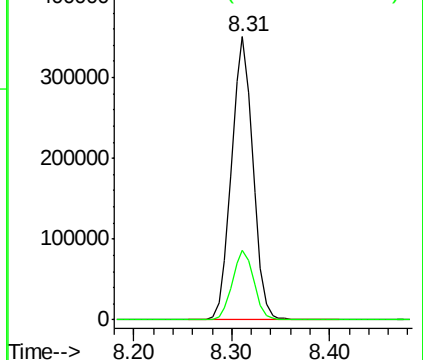
63 100

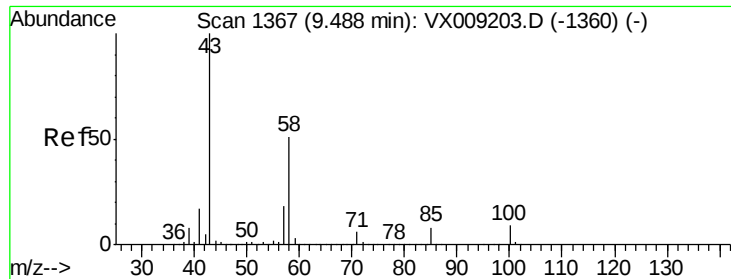
106 24.6 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





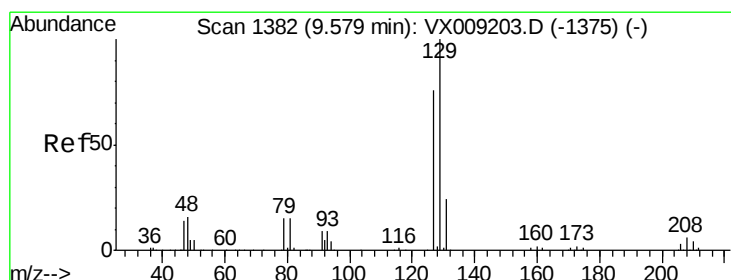
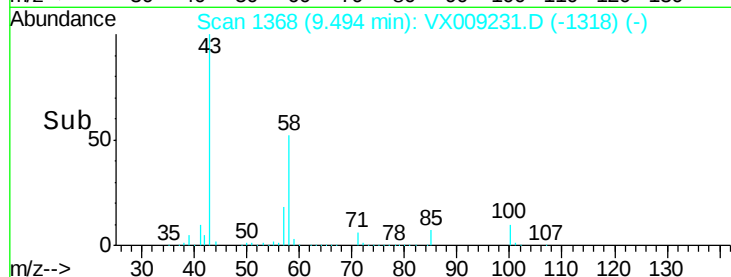
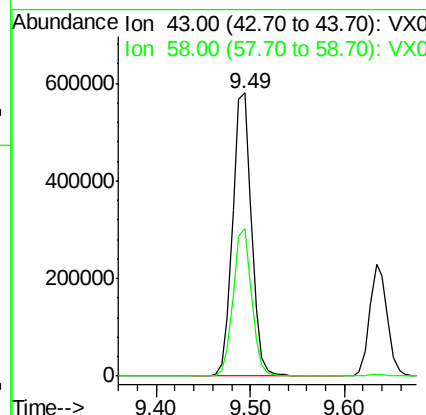
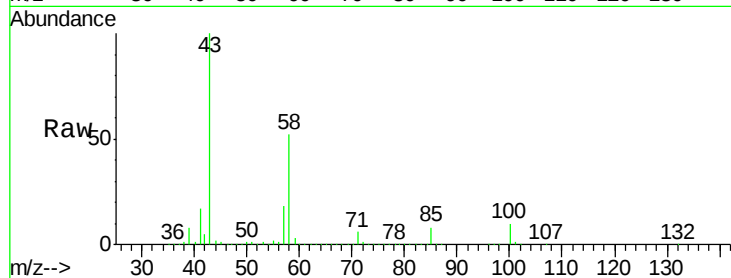
#59
2-Hexanone
Concen: 248.145 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 806149
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.7

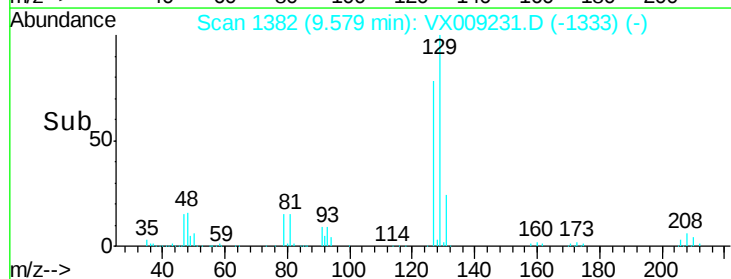
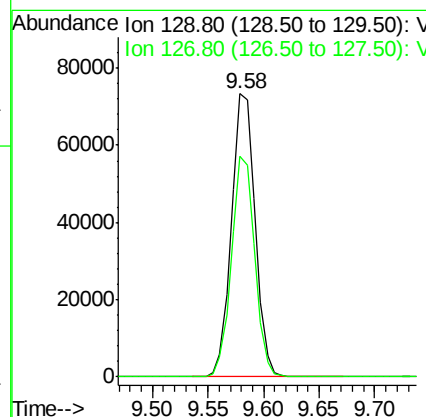
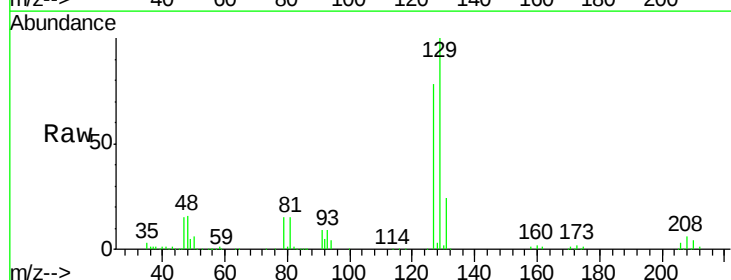
Manual Integrations
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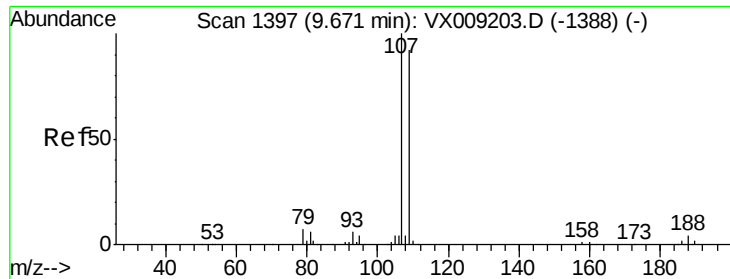
MMDadoda
4/30/2019 11:04:12 AM



#60
Dibromochloromethane
Concen: 50.704 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Tgt Ion: 129 Resp: 107927
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.1





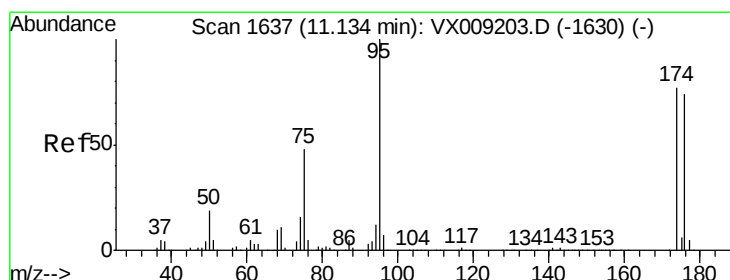
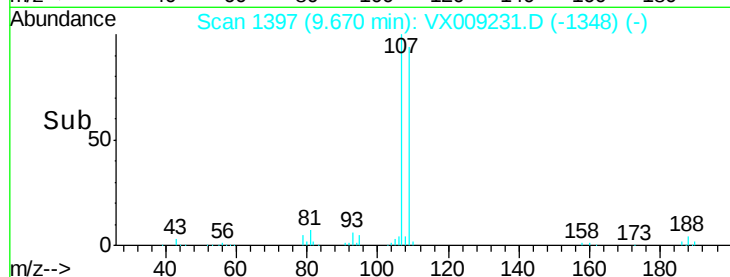
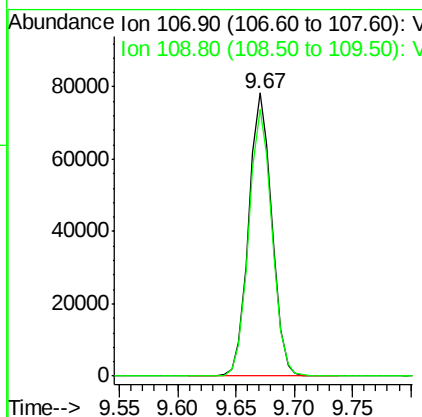
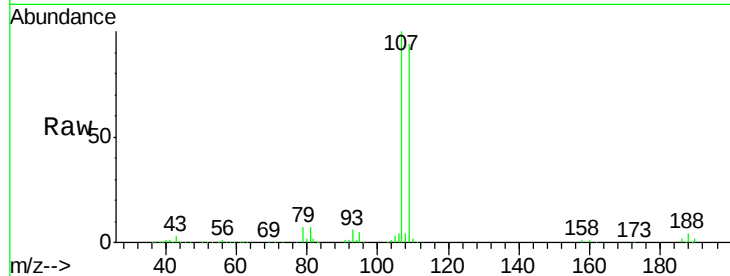
#61
 1,2-Dibromoethane
 Concen: 49.618 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009231.D
 Acq: 30 Apr 2019 00:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.2	112.8

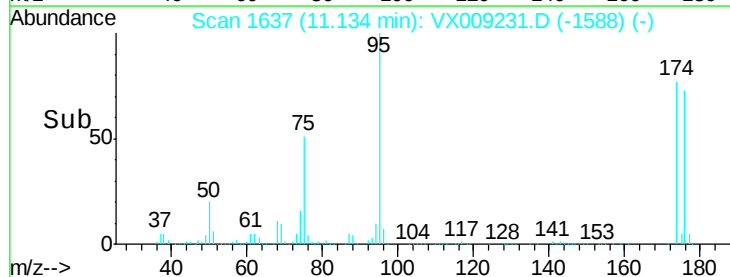
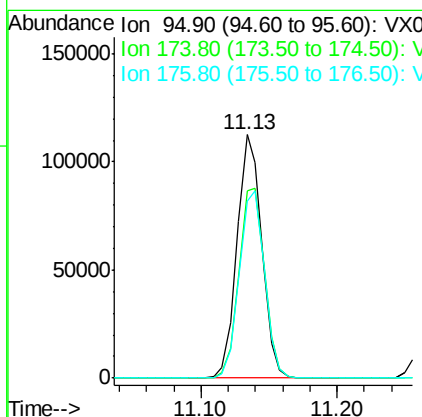
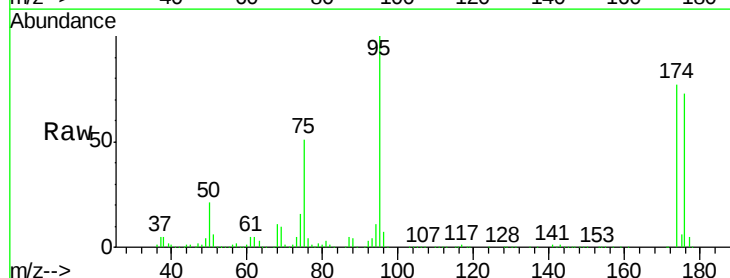
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#62
 4-Bromofluorobenzene
 Concen: 50.325 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009231.D
 Acq: 30 Apr 2019 00:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.1	0.0	161.6
176	78.9	0.0	159.2





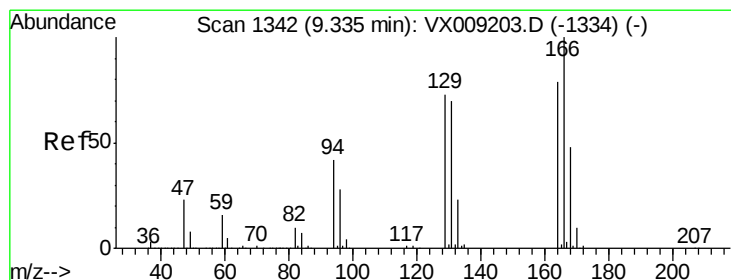
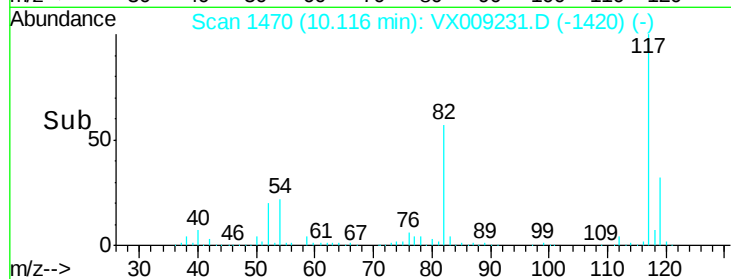
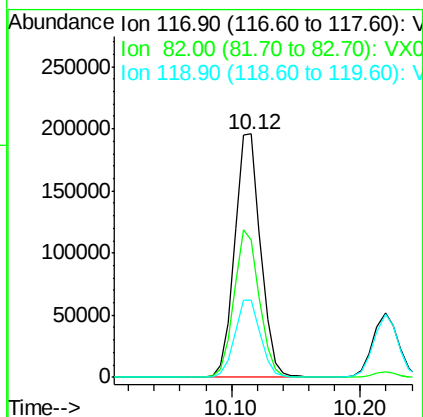
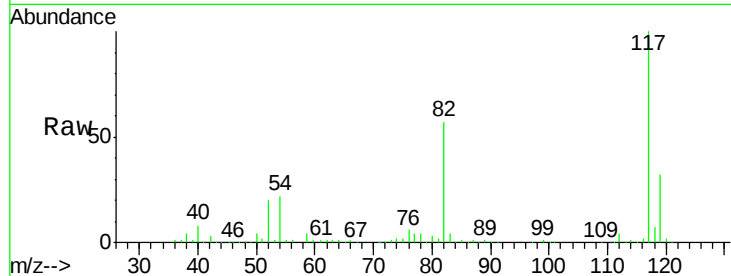
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	48.8	73.2
119	31.9	25.8	38.6

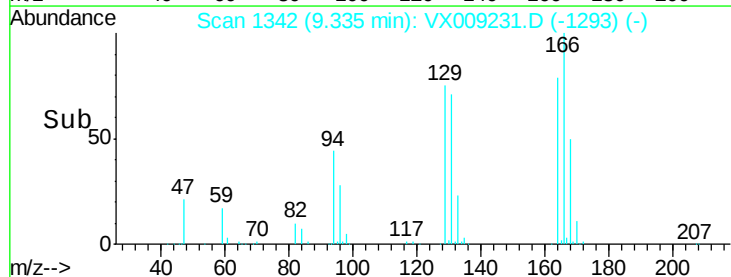
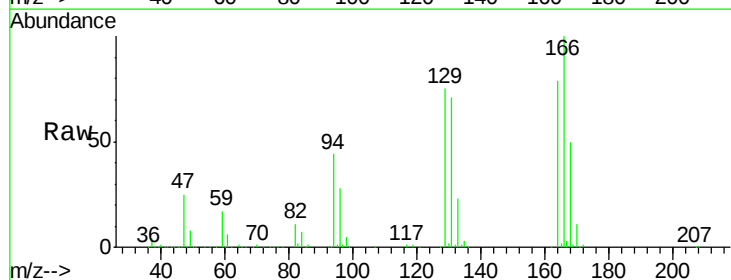
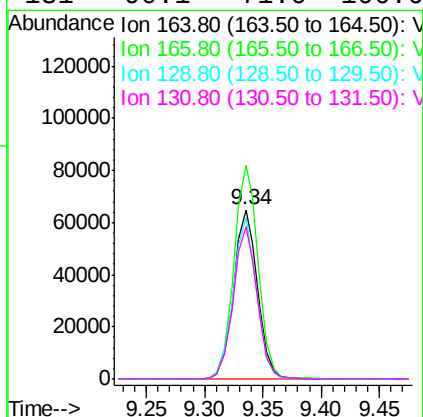
Manual Integrations
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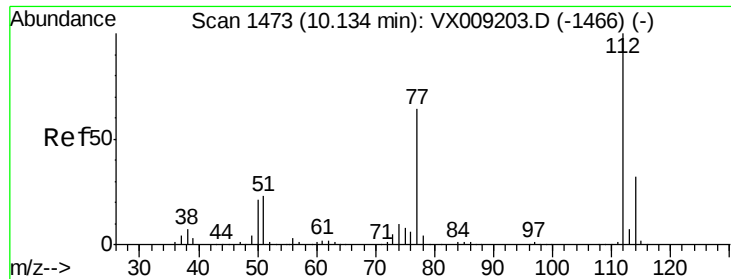
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#64
Tetrachloroethene
Concen: 49.172 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.2	151.8
129	95.1	74.3	111.5
131	90.1	71.0	106.6





#65

Chlorobenzene

Concen: 48.940 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 268866

Ion Ratio Lower Upper

112 100

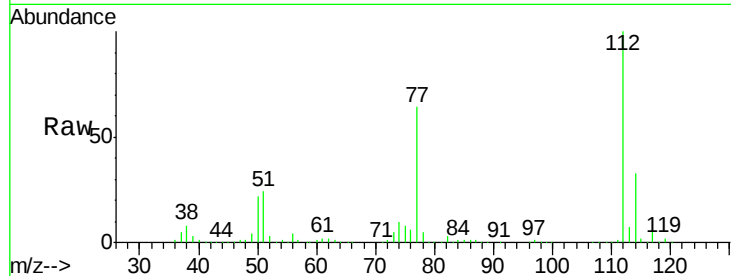
114 32.5 25.5 38.3

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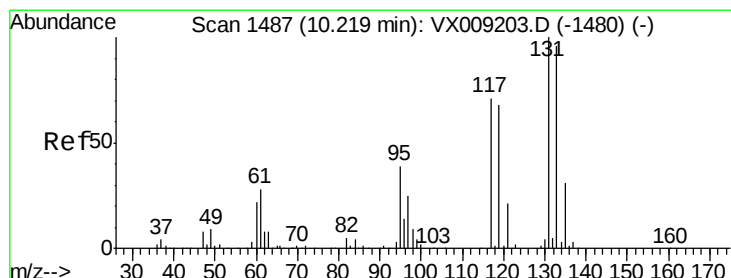
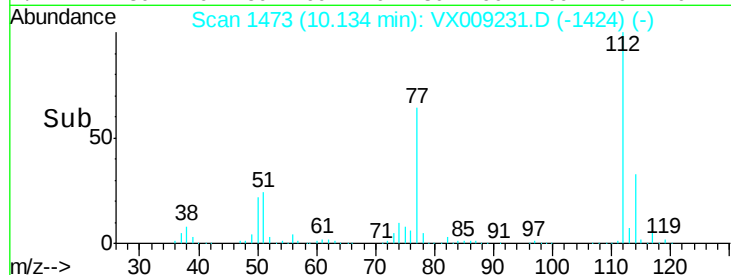
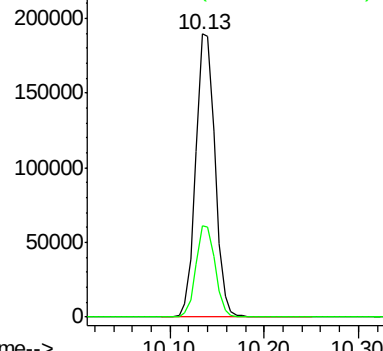
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.658 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

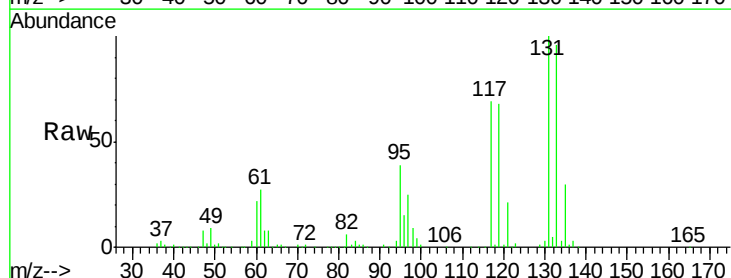
Tgt Ion:131 Resp: 98905

Ion Ratio Lower Upper

131 100

133 95.7 47.7 143.1

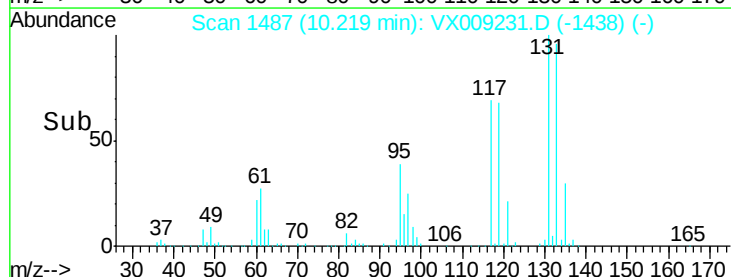
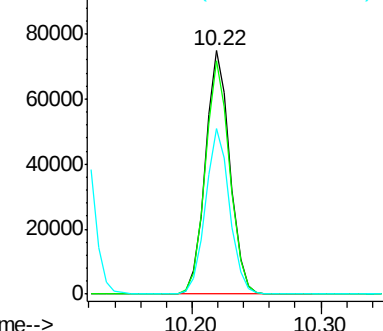
119 67.3 33.5 100.4

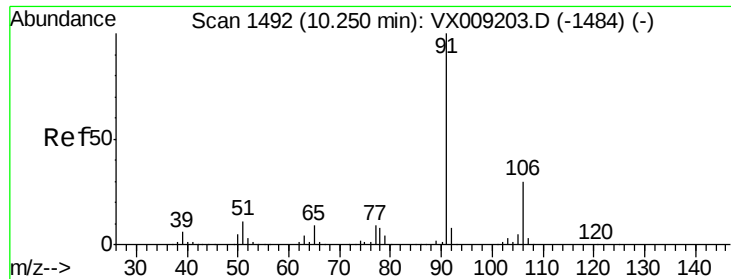


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 49.768 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 503180

Ion Ratio Lower Upper

91 100

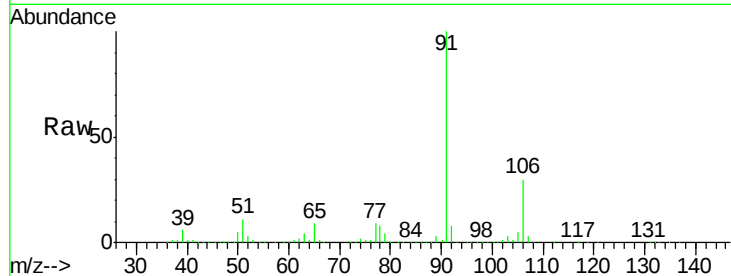
106 30.0 24.0 36.0

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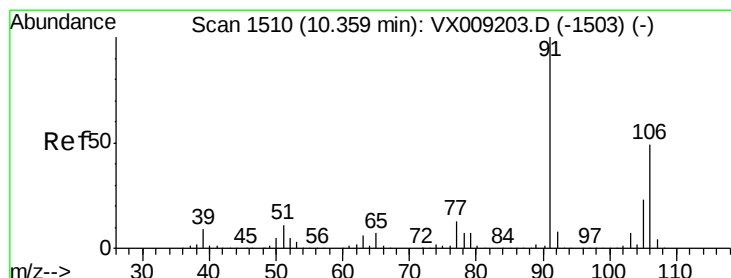
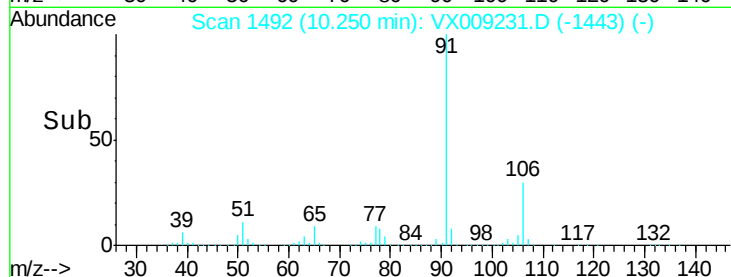
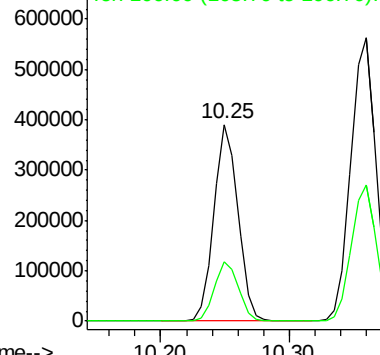
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 98.533 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009231.D

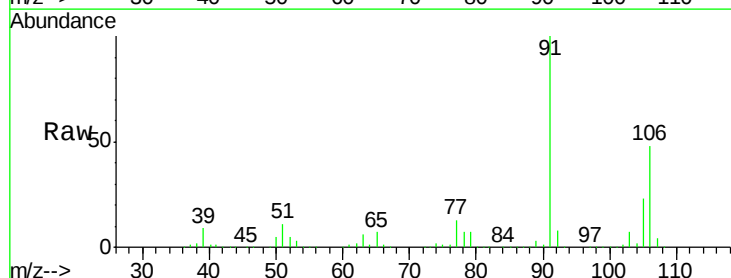
Acq: 30 Apr 2019 00:32

Tgt Ion: 106 Resp: 364053

Ion Ratio Lower Upper

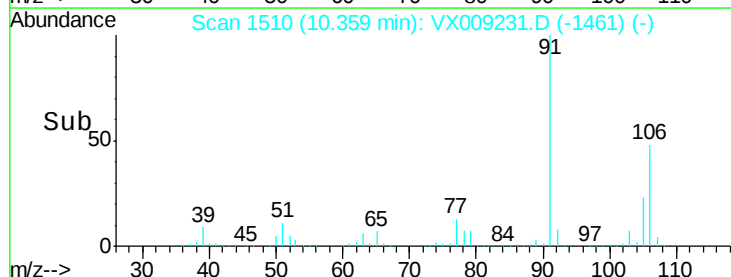
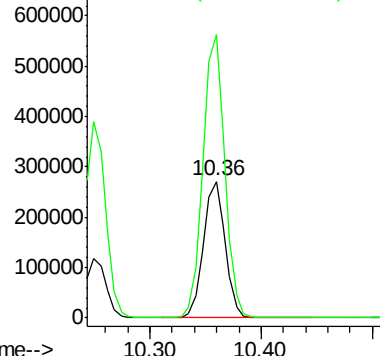
106 100

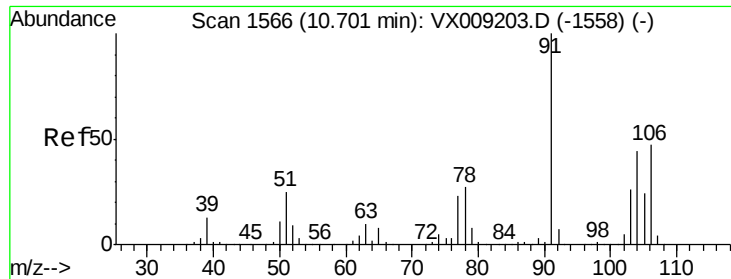
91 208.7 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





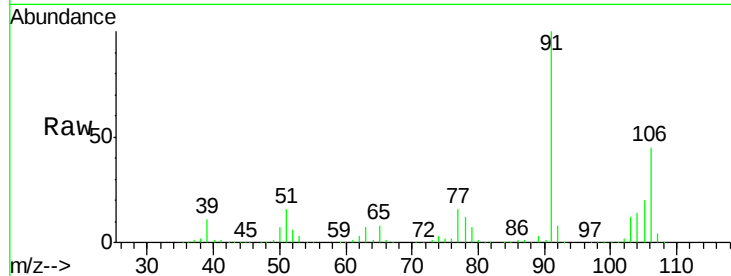
#69
o-Xylene
Concen: 49.368 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

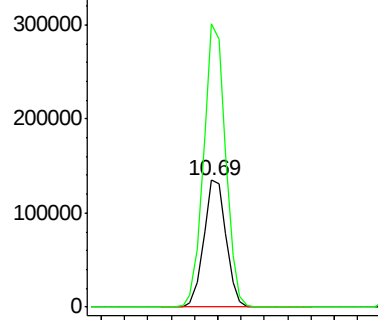
Tot Ion:106 Resp: 179965
Ion Ratio Lower Upper
106 100
91 219.1 109.5 328.4

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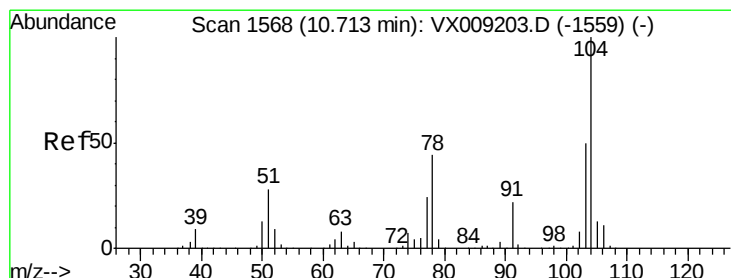
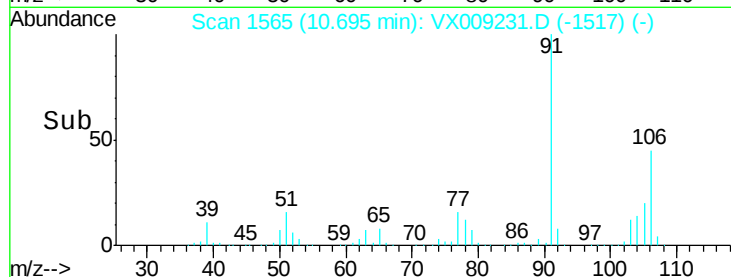
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

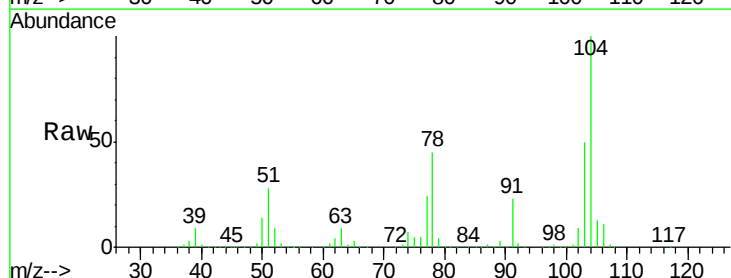


Time--> 10.60 10.70 10.80

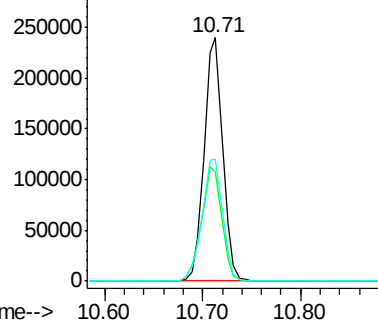


#70
Styrene
Concen: 49.926 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

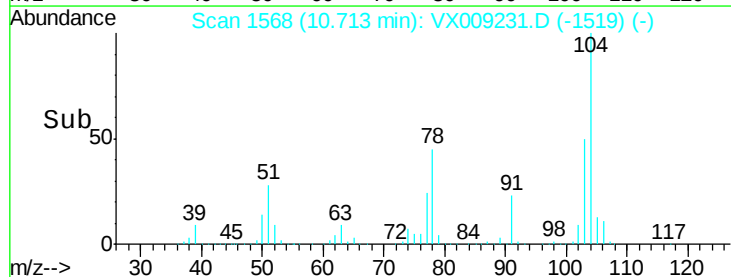
Tgt Ion:104 Resp: 316329
Ion Ratio Lower Upper
104 100
78 51.5 41.0 61.4
103 55.5 43.8 65.6

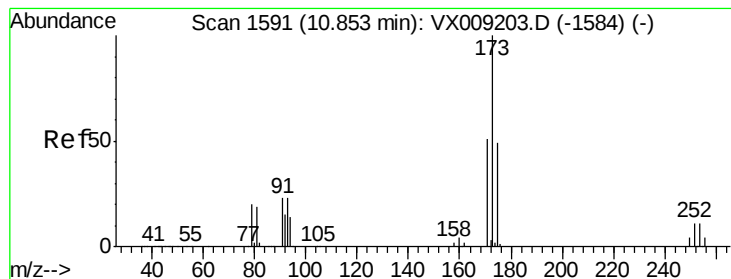


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time--> 10.60 10.70 10.80





#71

Bromoform

Concen: 49.838 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

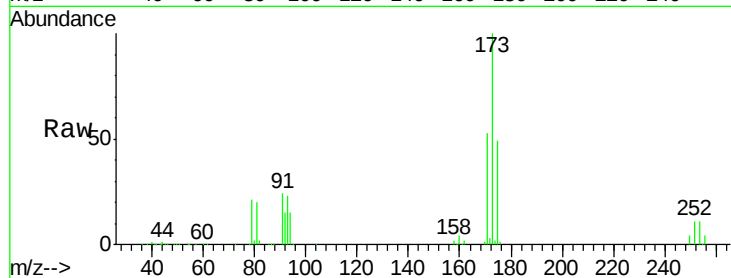
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.5	73.5
254	0.2	0.1	0.1

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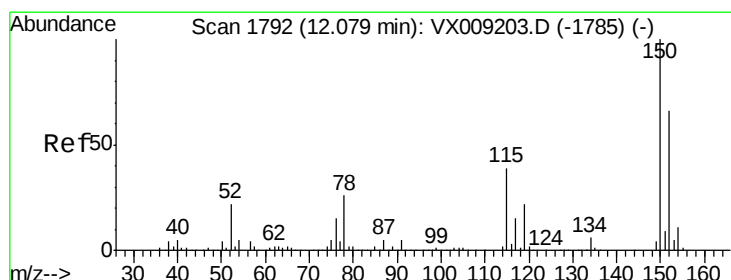
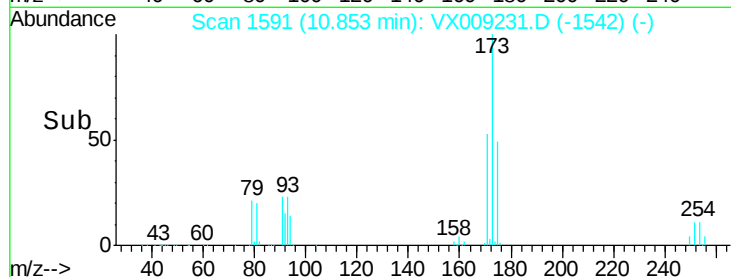
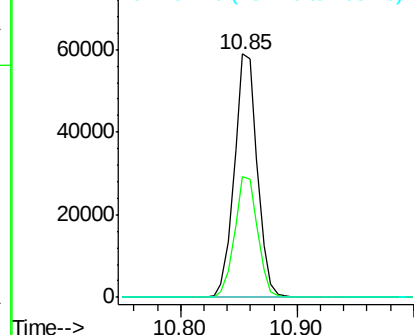


Abundance

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

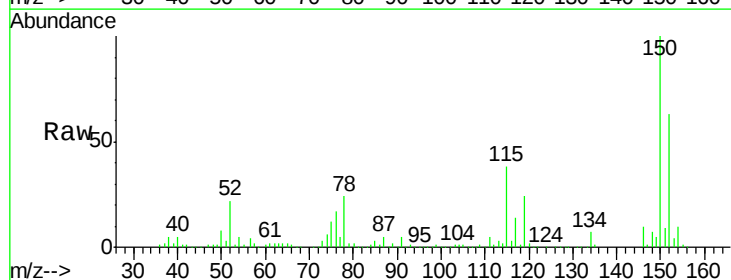
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.1	41.2	123.6
150	172.2	0.0	346.4

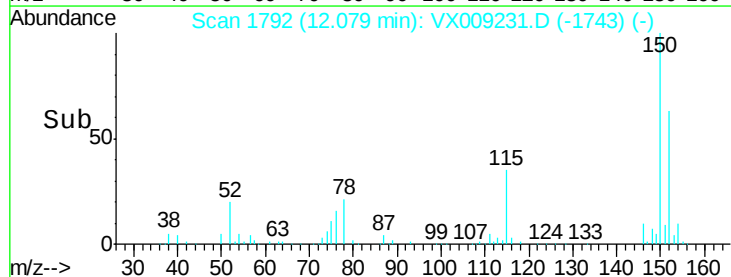
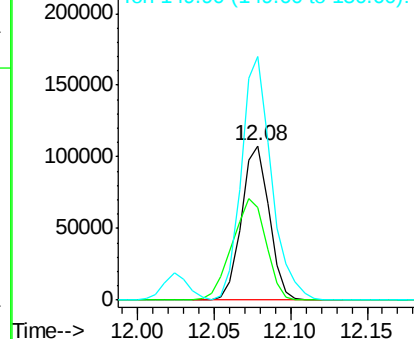


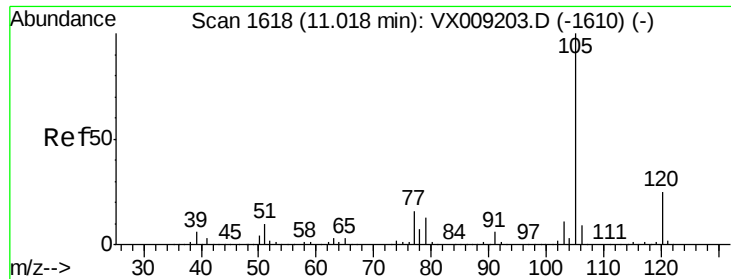
Abundance

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: 48.728 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 475343

Ion Ratio Lower Upper

105 100

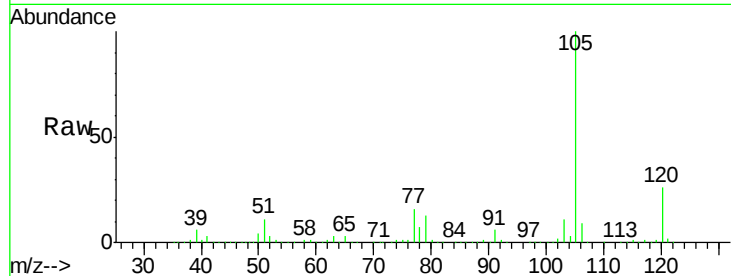
120 26.1 12.8 38.3

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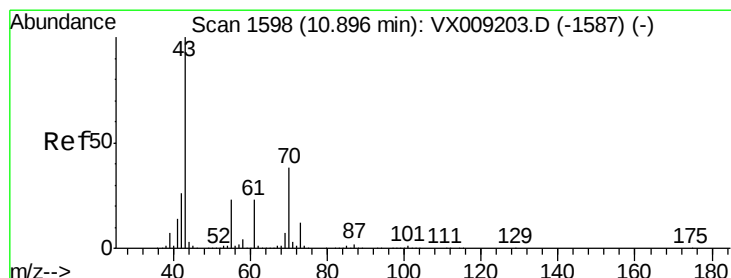
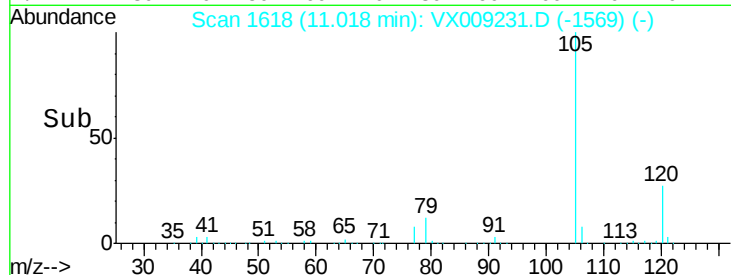
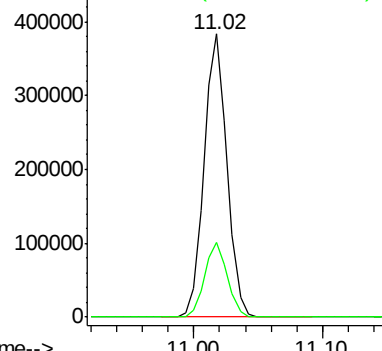
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.558 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Tgt Ion: 43 Resp: 293224

Ion Ratio Lower Upper

43 100

70 37.6 30.0 45.0

55 22.3 17.9 26.9

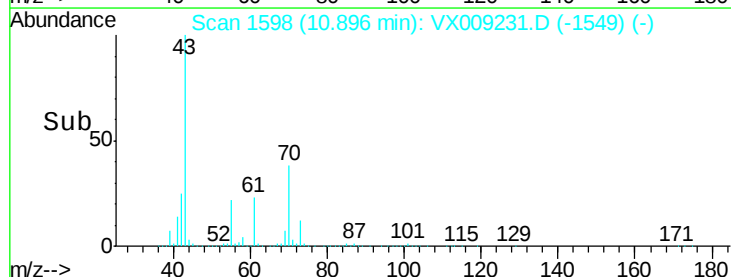
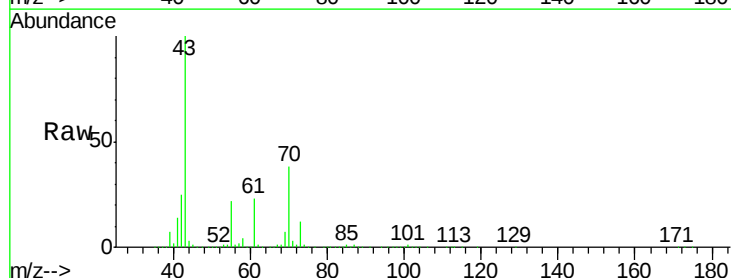
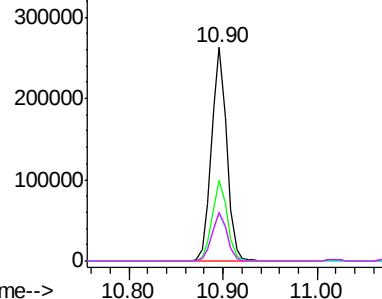
61 22.5 18.4 27.6

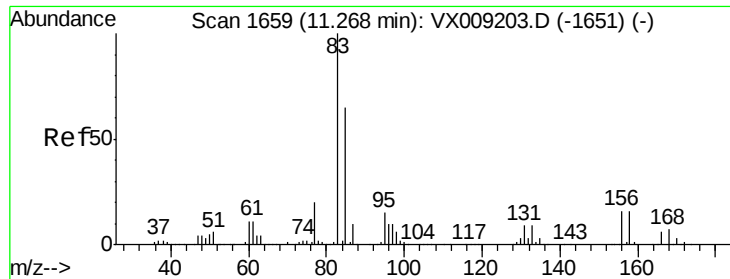
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 49.262 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

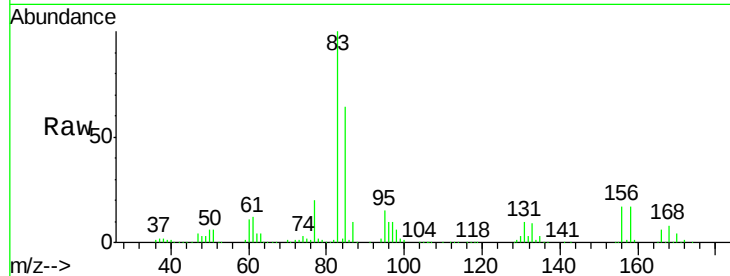
ClientSampleId :

VSTDCCC050EC

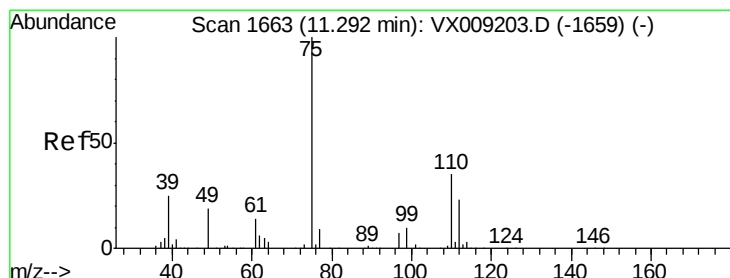
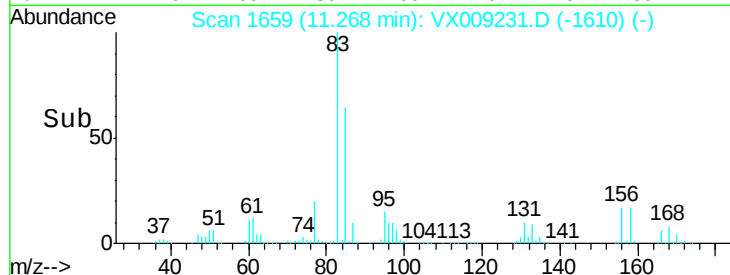
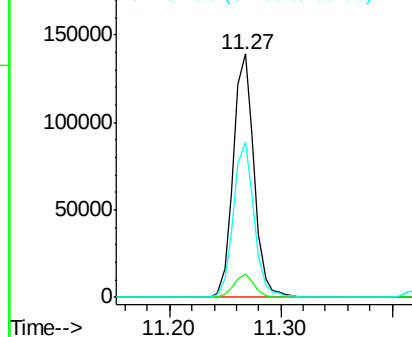
Tot Ion:	83	Resp:	179144
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.6	13.8
85	63.8	32.0	96.2

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



#76

1,2,3-Trichloropropane

Concen: 48.644 ug/l m

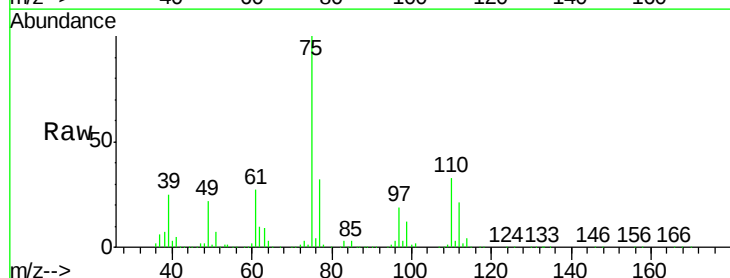
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

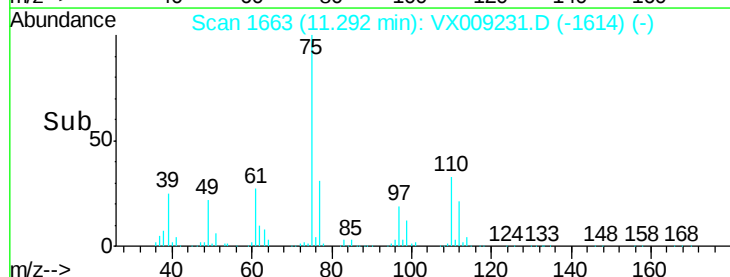
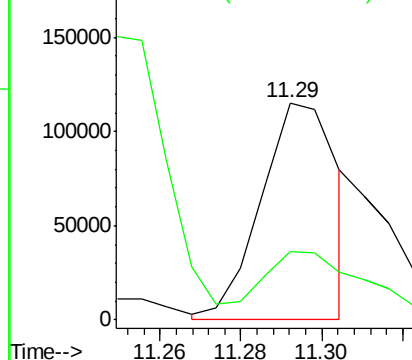
Lab File: VX009231.D

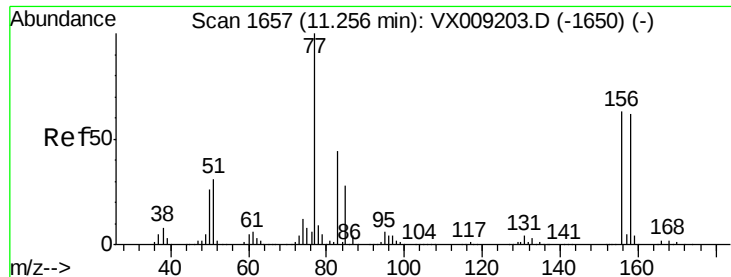
Acq: 30 Apr 2019 00:32

Tgt Ion:	75	Resp:	151369
Ion Ratio	Lower	Upper	
75	100		
77	43.4	22.1	66.1



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





#77

Bromobenzene

Concen: 48.997 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

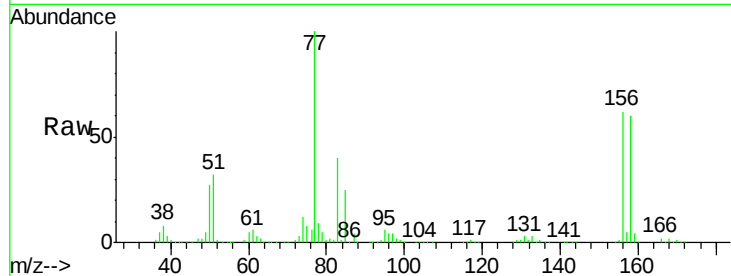
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	118634
Ion Ratio	Lower	Upper	
156	100		
77	168.8	84.8	254.3
158	96.9	49.1	147.3

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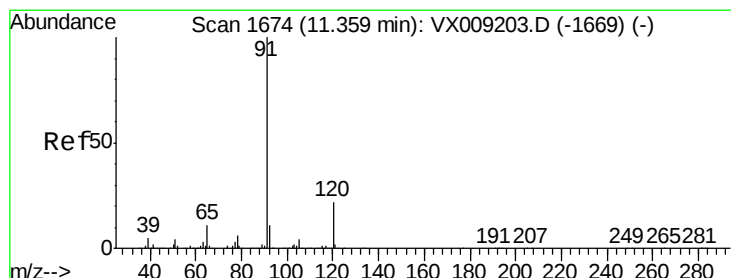
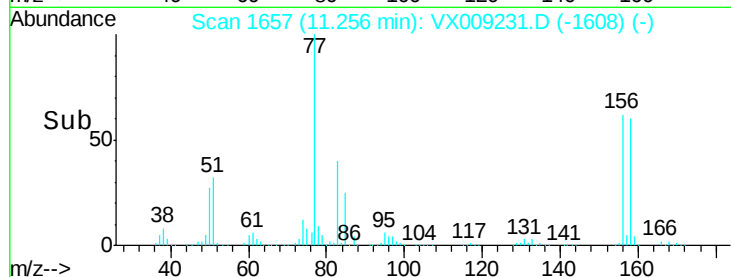
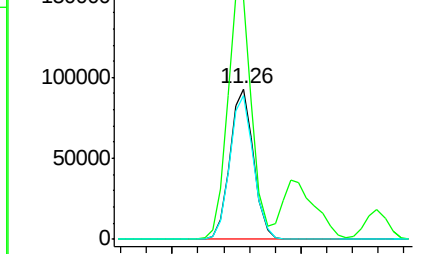
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.070 ug/l

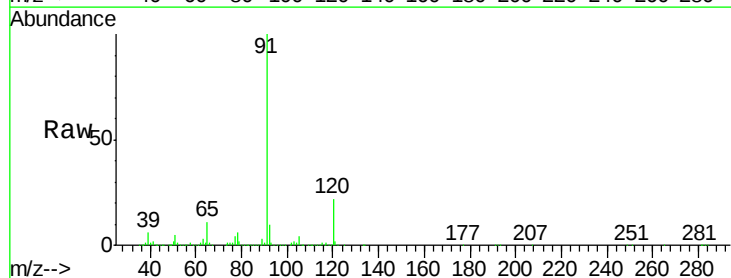
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009231.D

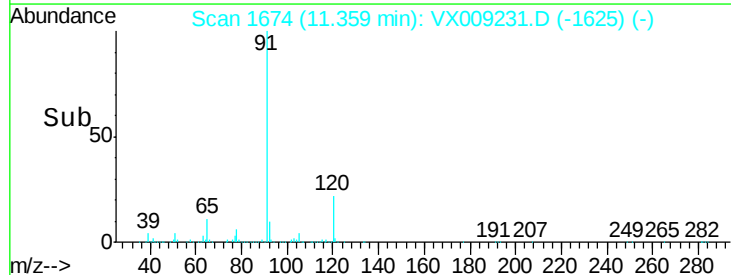
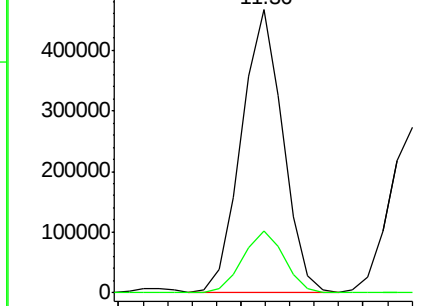
Acq: 30 Apr 2019 00:32

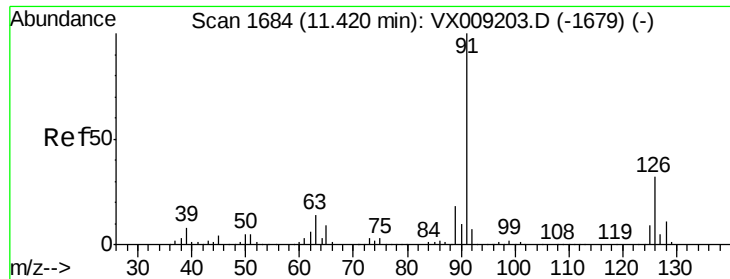
Tgt Ion:	91	Resp:	546676
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.153 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 330972

Ion Ratio Lower Upper

91 100

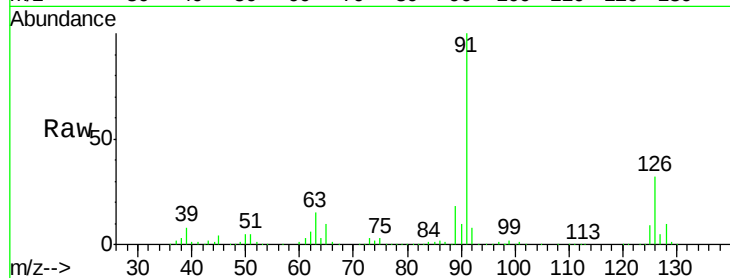
126 32.5 16.3 48.9

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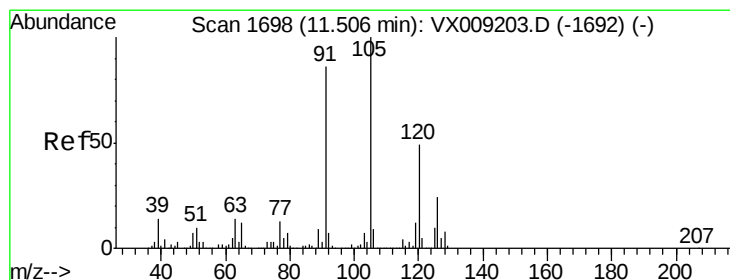
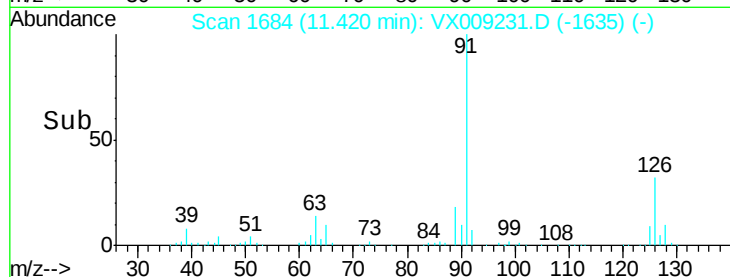
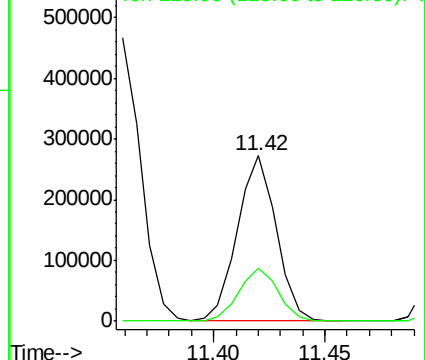
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.858 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009231.D

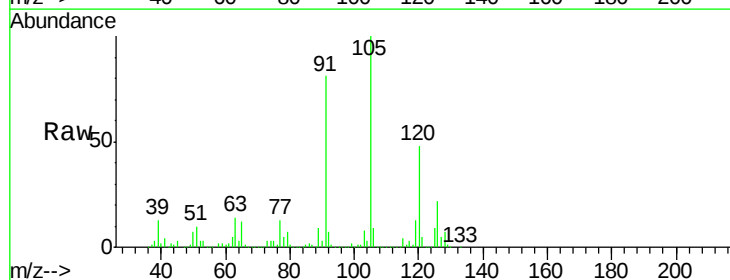
Acq: 30 Apr 2019 00:32

Tgt Ion:105 Resp: 401314

Ion Ratio Lower Upper

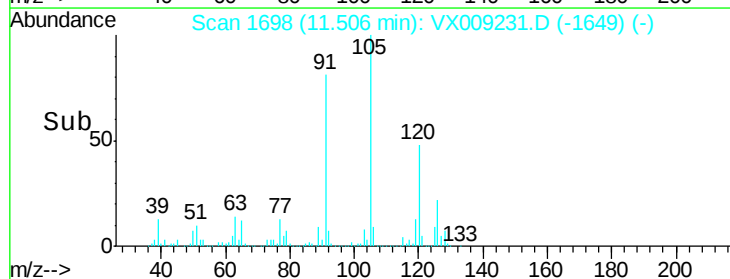
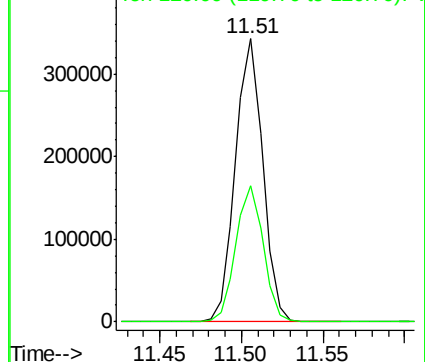
105 100

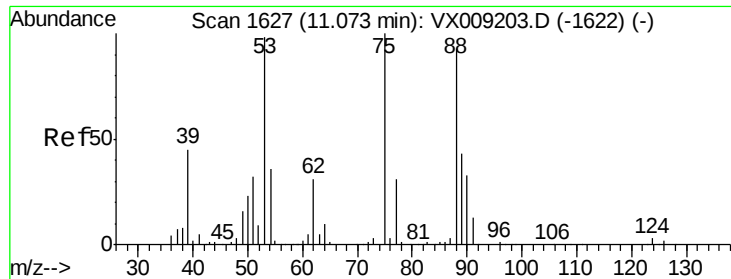
120 48.2 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.905 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 57044

Ion Ratio Lower Upper

75 100

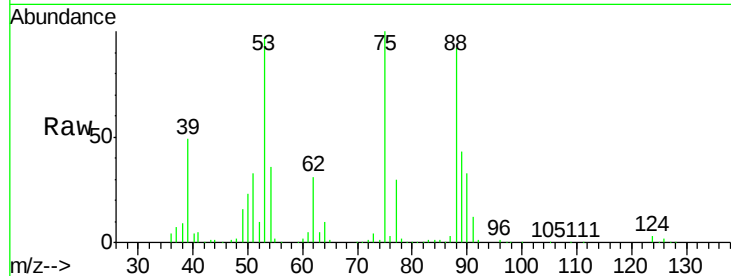
53 98.7 79.0 118.6

89 43.9 34.7 52.1

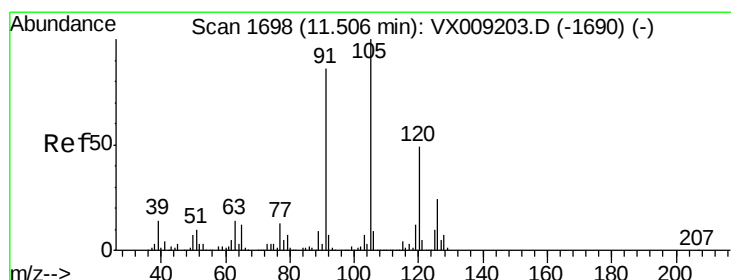
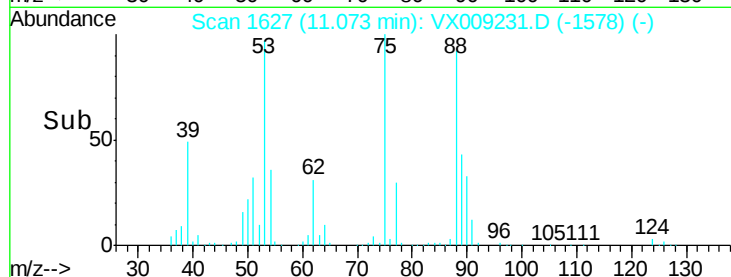
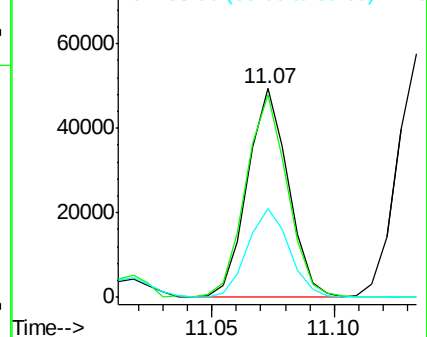
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 48.419 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009231.D

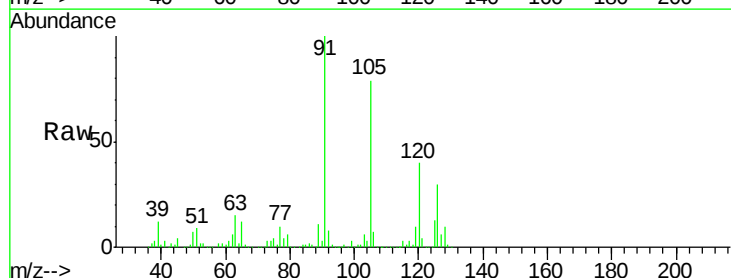
Acq: 30 Apr 2019 00:32

Tgt Ion: 91 Resp: 375971

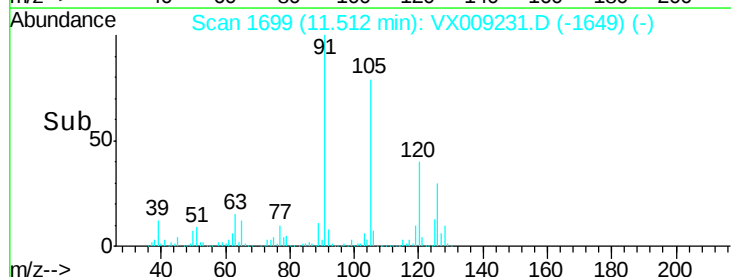
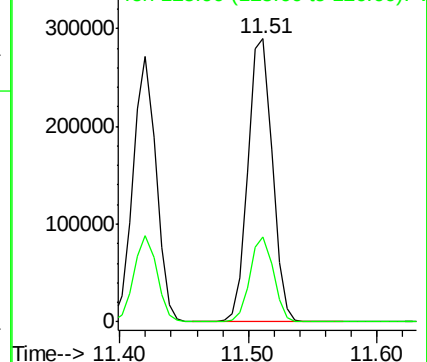
Ion Ratio Lower Upper

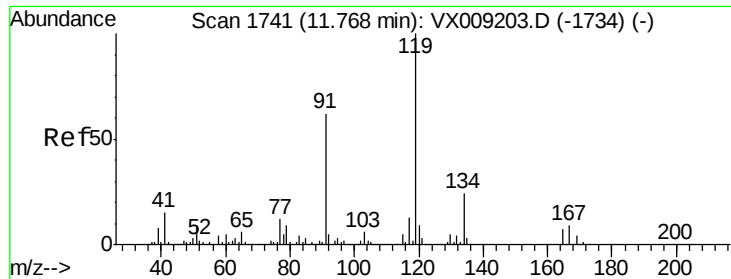
91 100

126 29.0 14.5 43.6



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





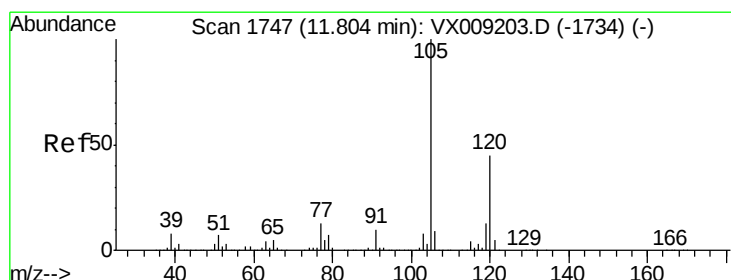
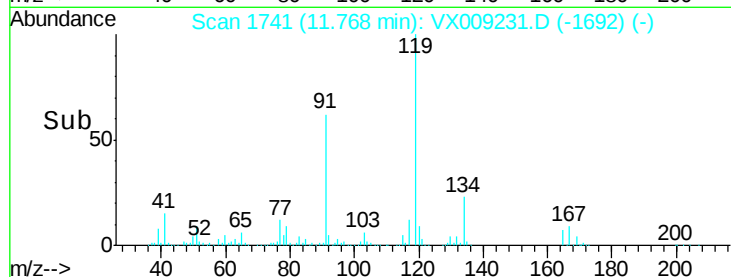
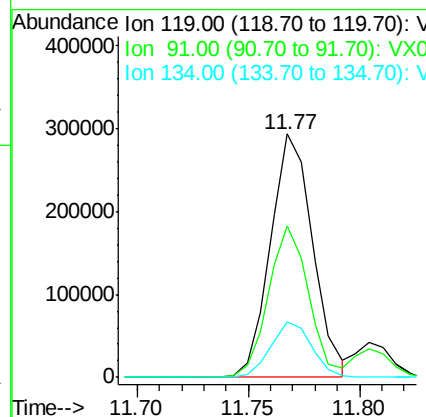
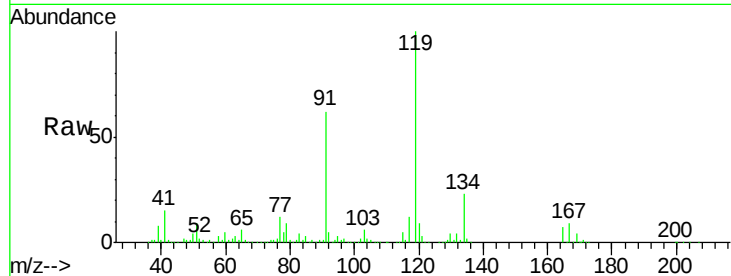
#83
 tert-Butylbenzene
 Concen: 48.441 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009231.D
 Acq: 30 Apr 2019 00:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.9	29.5	88.5
134	22.2	11.4	34.1

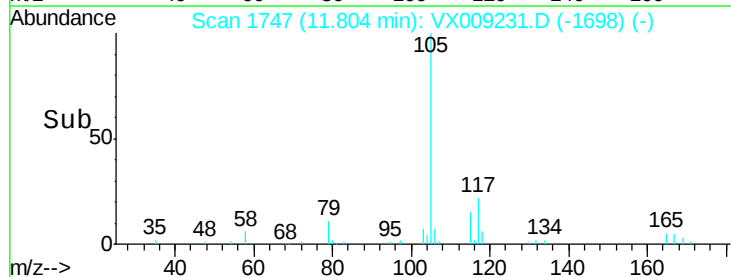
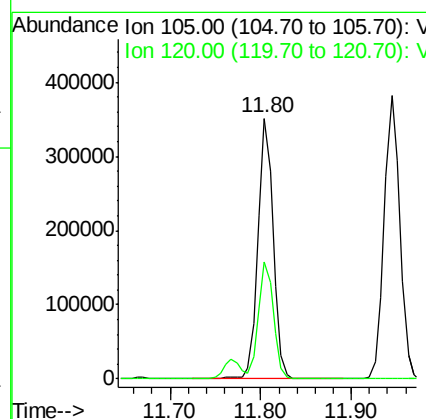
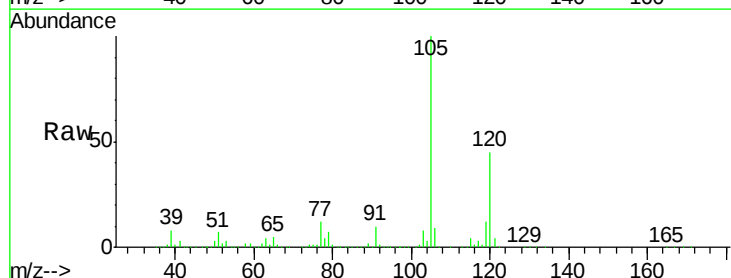
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.448 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009231.D
 Acq: 30 Apr 2019 00:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.0	66.0





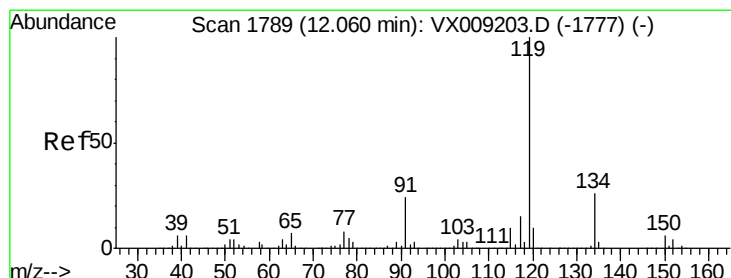
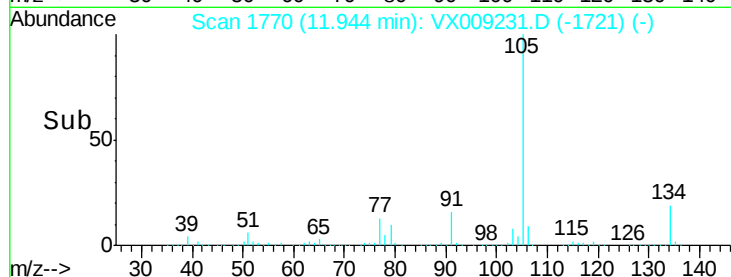
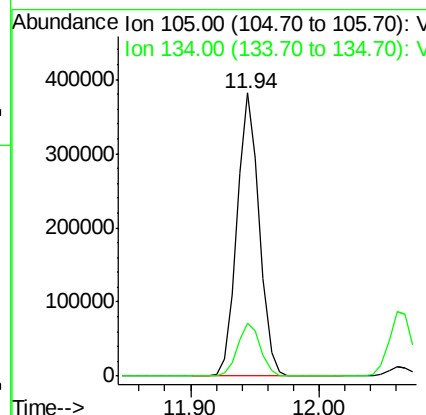
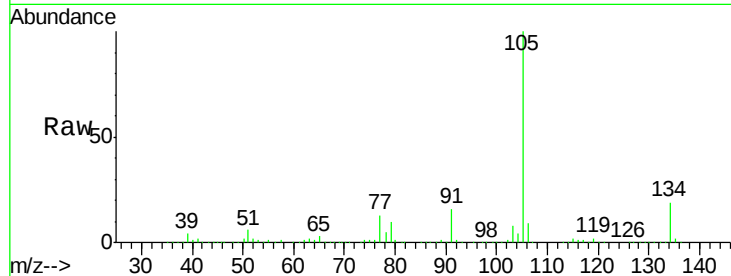
#85
 sec-Butylbenzene
 Concen: 48.503 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009231.D
 Acq: 30 Apr 2019 00:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 459473
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 28.9

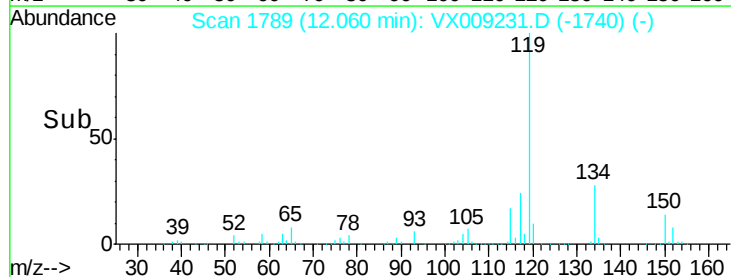
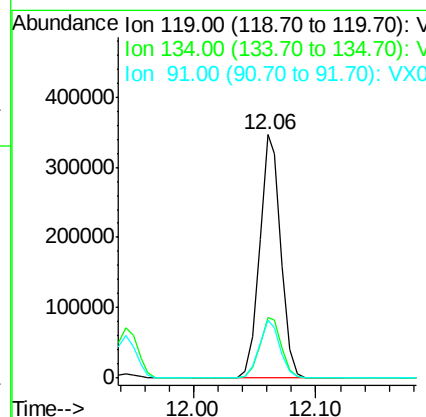
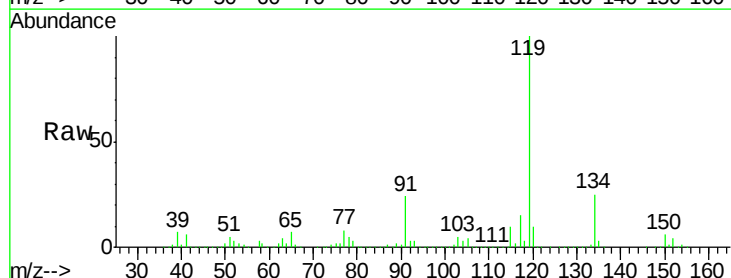
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#86
 p-Isopropyltoluene
 Concen: 49.131 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009231.D
 Acq: 30 Apr 2019 00:32

Tgt Ion:119 Resp: 418419
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.9 38.7
 91 23.6 11.8 35.4





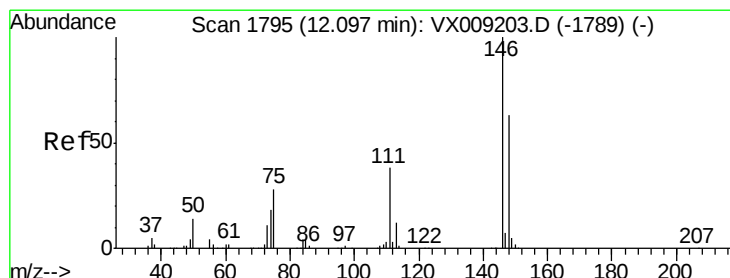
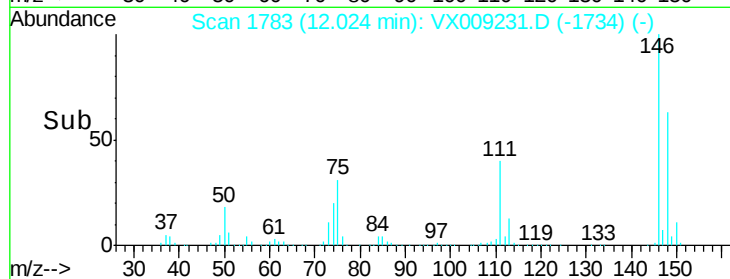
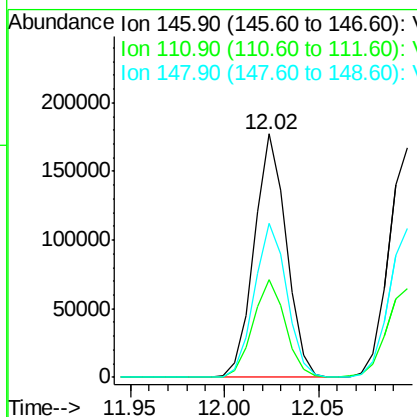
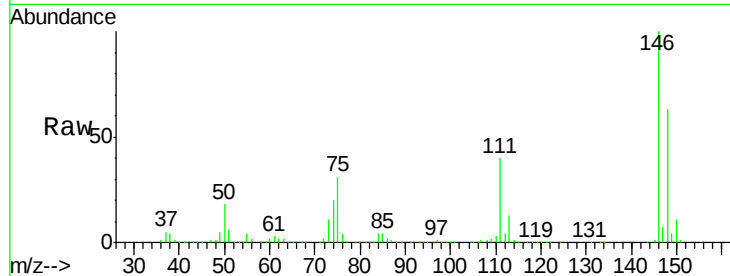
#87
 1,3-Dichlorobenzene
 Concen: 48.502 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009231.D
 Acq: 30 Apr 2019 00:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	64.0	31.8	95.3

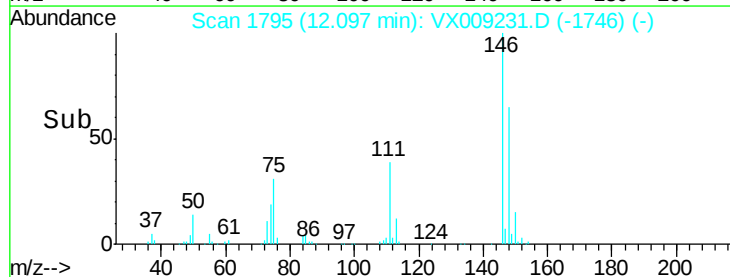
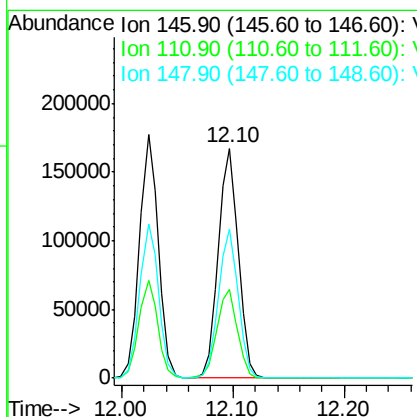
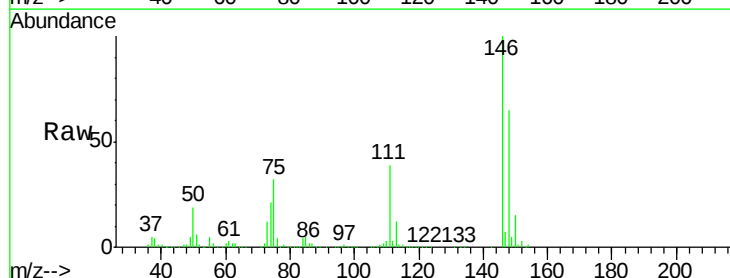
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#88
 1,4-Dichlorobenzene
 Concen: 47.912 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009231.D
 Acq: 30 Apr 2019 00:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.8
148	64.0	31.8	95.3





#89

n-Butylbenzene

Concen: 48.387 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Instrument :

MSVOA_X

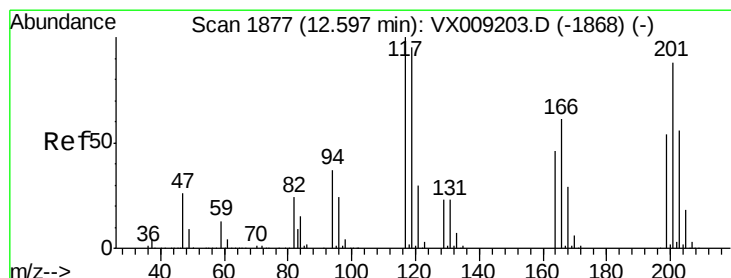
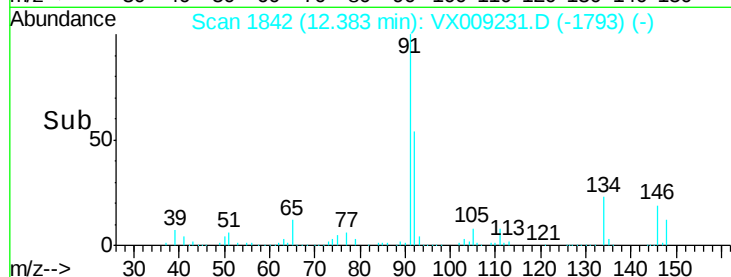
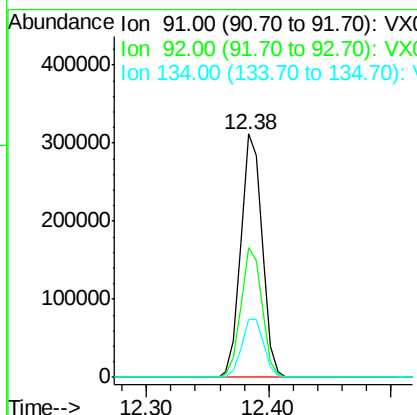
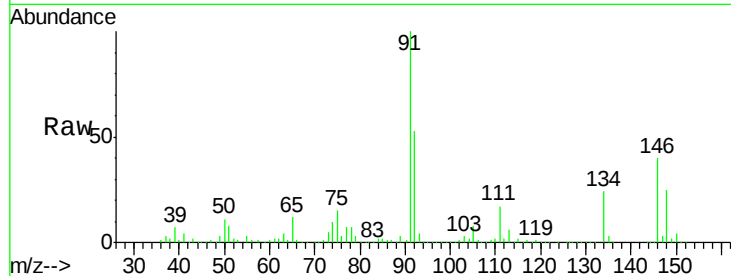
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	372454
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.5
134	24.9	12.4	37.2

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#90

Hexachloroethane

Concen: 49.247 ug/l

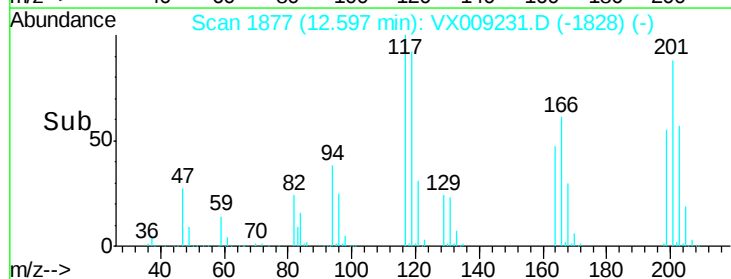
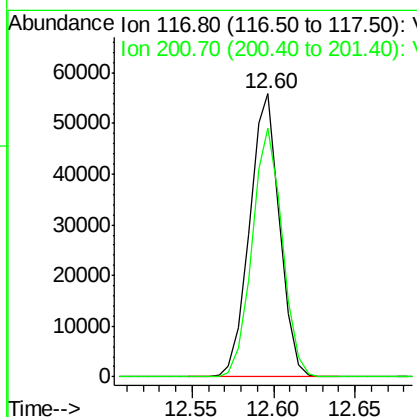
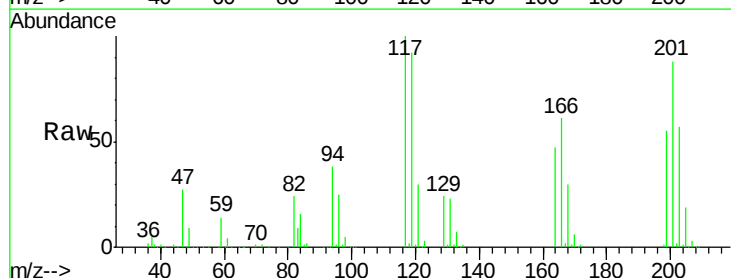
RT: 12.60 min Scan# 1877

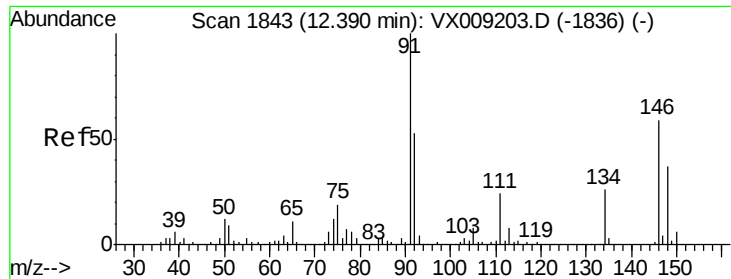
Delta R.T. -0.00 min

Lab File: VX009231.D

Acq: 30 Apr 2019 00:32

Tgt Ion:	117	Resp:	71453
Ion	Ratio	Lower	Upper
117	100		
201	88.1	42.3	126.9





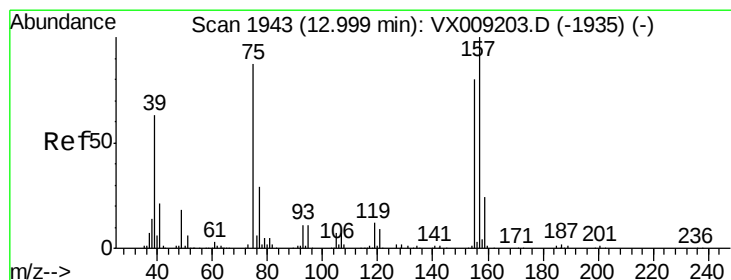
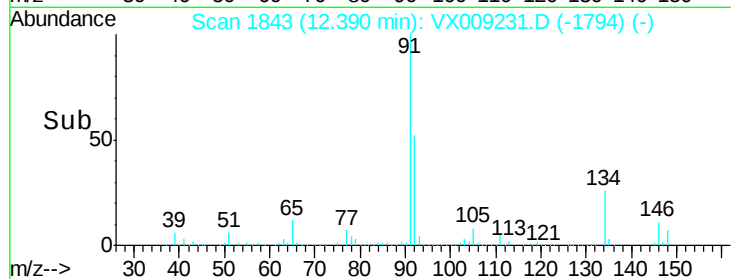
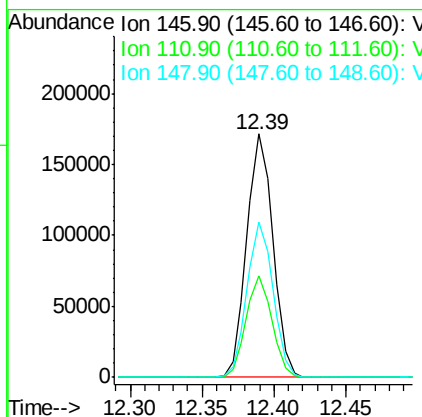
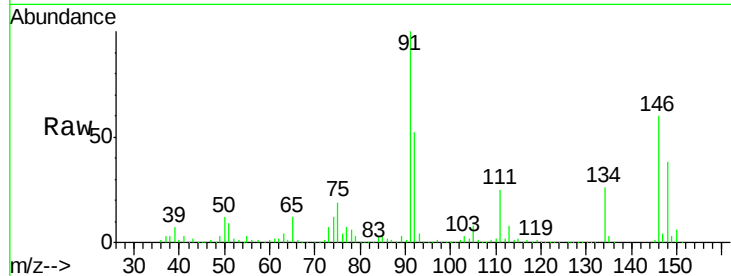
#91
 1,2-Dichlorobenzene
 Concen: 49.010 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009231.D
 Acq: 30 Apr 2019 00:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.4
148	63.4	31.9	95.9

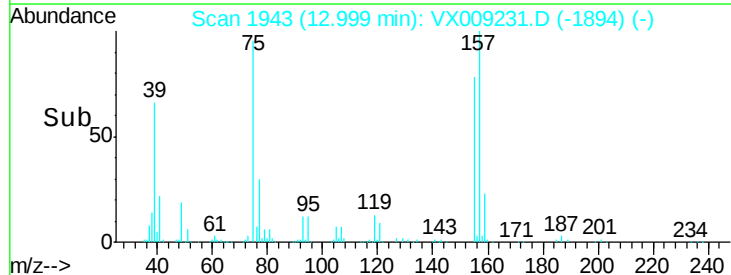
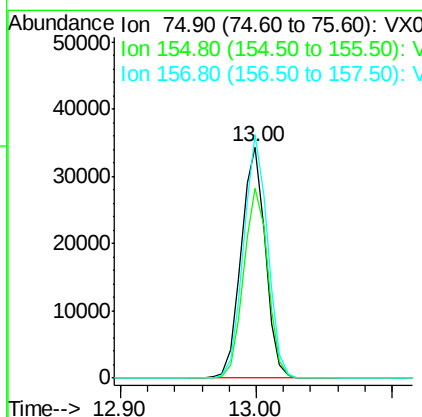
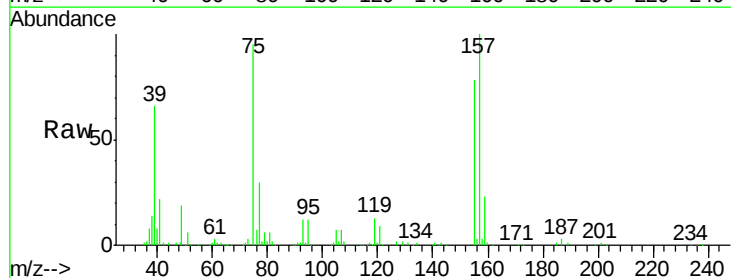
Manual Integrations
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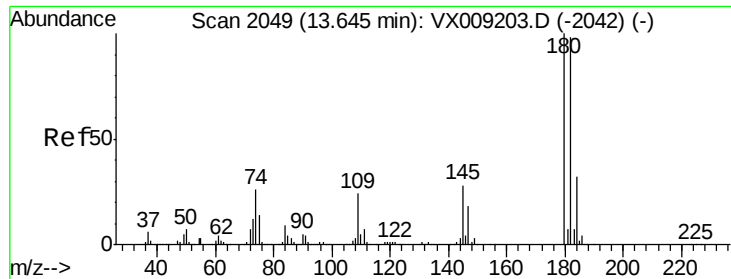
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.201 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009231.D
 Acq: 30 Apr 2019 00:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	42.0	126.0
157	104.4	53.2	159.6





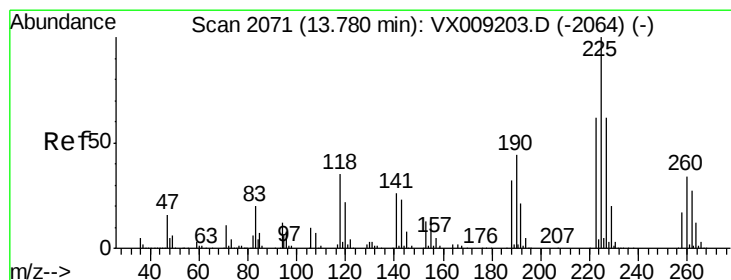
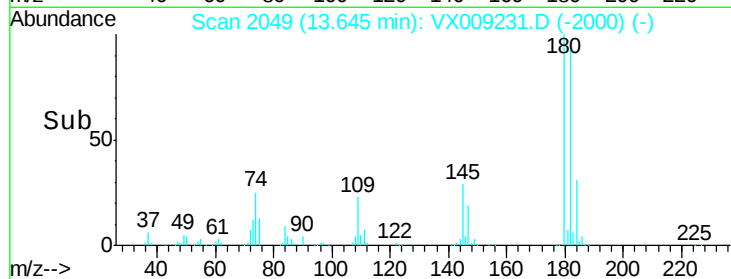
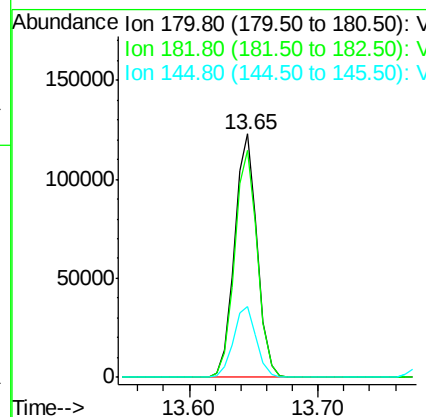
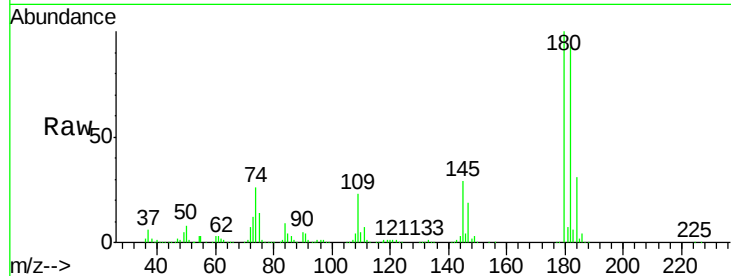
#93
 1,2,4-Trichlorobenzene
 Concen: 49.996 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009231.D
 Acq: 30 Apr 2019 00:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	150307
Ion Ratio	Lower	Upper	
180	100		
182	93.9	48.4	145.2
145	29.6	14.6	43.8

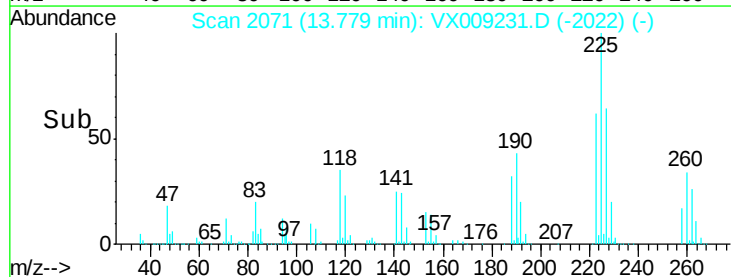
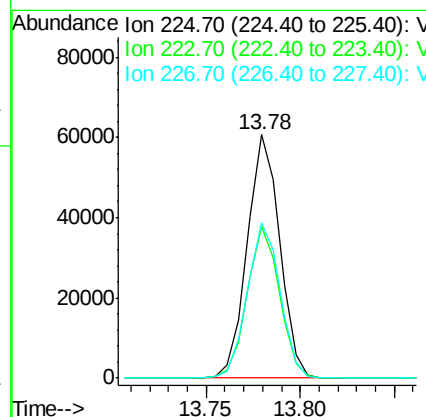
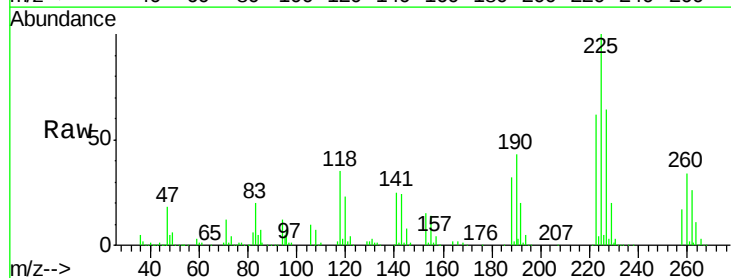
Manual Integrations
 APPROVED

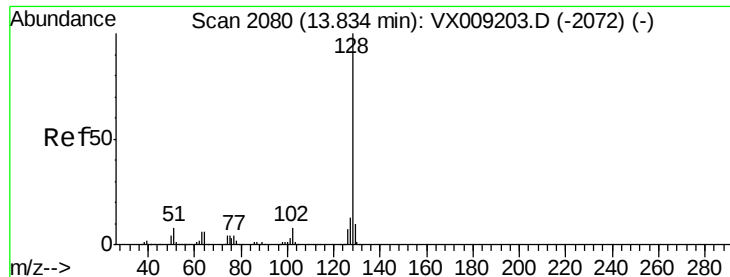
MMDadoda
 4/30/2019 11:04:12 AM



#94
 Hexachlorobutadiene
 Concen: 47.468 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009231.D
 Acq: 30 Apr 2019 00:32

Tgt Ion:	225	Resp:	72875
Ion Ratio	Lower	Upper	
225	100		
223	61.9	31.3	93.8
227	64.1	31.8	95.3





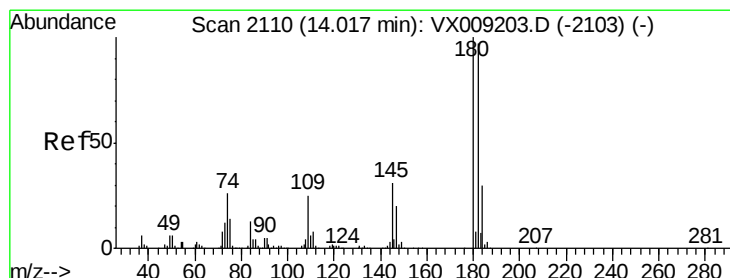
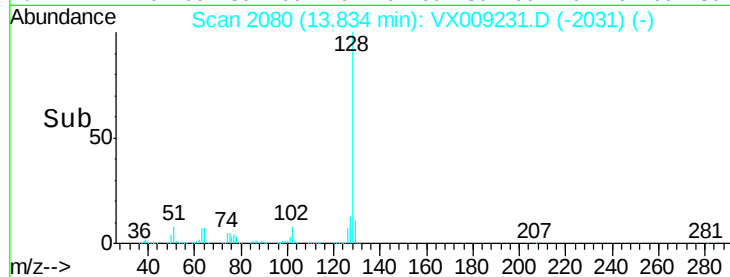
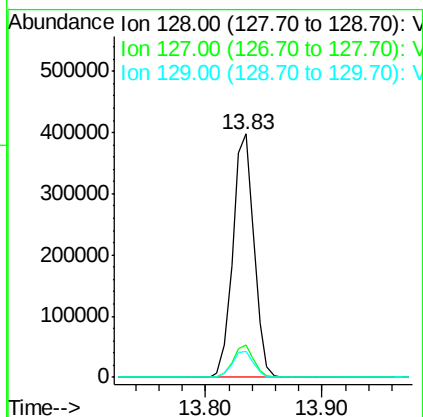
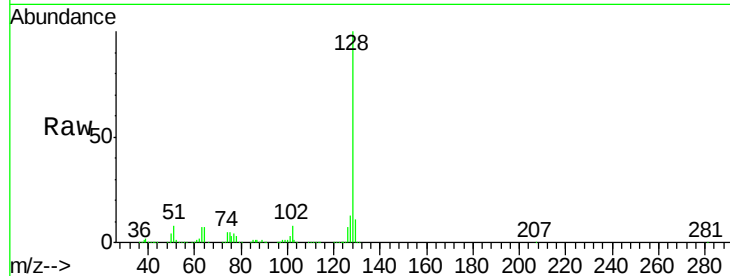
#95
Naphthalene
Concen: 51.373 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:04:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.209 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009231.D
Acq: 30 Apr 2019 00:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.4
145	30.9	15.4	46.4

