

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052319\
 Data File : VX009873.D
 Acq On : 23 May 2019 20:58
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:02:21 AM

Quant Time: May 24 05:23:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	170498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	290257	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	268417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129319	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	115814	49.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.52%	
35) Dibromofluoromethane	5.50	113	81458	44.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.28%	
50) Toluene-d8	8.71	98	331514	45.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.00%	
62) 4-Bromofluorobenzene	11.13	95	122686	45.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	57047	36.309	ug/l	100
3) Chloromethane	1.32	50	103689	48.339	ug/l	100
4) Vinyl Chloride	1.41	62	94619	45.236	ug/l	97
5) Bromomethane	1.64	94	58986	46.984	ug/l	96
6) Chloroethane	1.71	64	61891	46.086	ug/l	99
7) Trichlorofluoromethane	1.92	101	106299	41.808	ug/l	99
8) Diethyl Ether	2.19	74	58491	48.566	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	63611	39.840	ug/l	99
10) Methyl Iodide	2.51	142	89393	48.353	ug/l	98
11) Tert butyl alcohol	3.06	59	134546	249.733	ug/l	99
12) 1,1-Dichloroethene	2.37	96	70015	43.766	ug/l	96
13) Acrolein	2.29	56	112155	229.864	ug/l	99
14) Allyl chloride	2.73	41	186822	47.920	ug/l	98
15) Acrylonitrile	3.14	53	331887	251.944	ug/l	100
16) Acetone	2.45	43	295223	236.221	ug/l	97
17) Carbon Disulfide	2.57	76	202090	44.994	ug/l	99
18) Methyl Acetate	2.78	43	143515	48.285	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	307310	49.468	ug/l	99
20) Methylene Chloride	2.85	84	94721	46.809	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	80089	46.162	ug/l	98
22) Diisopropyl ether	3.86	45	381184	50.841	ug/l	93
23) Vinyl Acetate	3.82	43	1724328	268.578	ug/l	99
24) 1,1-Dichloroethane	3.70	63	175761	47.521	ug/l	99
25) 2-Butanone	4.68	43	503620	259.315	ug/l	98
26) 2,2-Dichloropropane	4.58	77	112367	40.816	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	97779	47.217	ug/l	99
28) Bromochloromethane	5.01	49	87440	59.235	ug/l	97
29) Tetrahydrofuran	5.13	42	330717	264.628	ug/l	97
30) Chloroform	5.21	83	162029	48.437	ug/l	100
31) Cyclohexane	5.58	56	146774	42.654	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	126281	45.348	ug/l	99
36) 1,1-Dichloropropene	5.80	75	116358	43.137	ug/l	99
37) Ethyl Acetate	4.84	43	190000	50.555	ug/l	98
38) Carbon Tetrachloride	5.79	117	101525	41.426	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	129500	39.093	ug/l	97
40) Benzene	6.14	78	382392	45.806	ug/l	99
41) Methacrylonitrile	5.04	41	107437	48.023	ug/l	99
42) 1,2-Dichloroethane	6.19	62	142700	47.653	ug/l	98
43) Isopropyl Acetate	6.45	43	303127	50.424	ug/l	98
44) Trichloroethene	7.21	130	86109	42.668	ug/l	100
45) 1,2-Dichloropropane	7.51	63	109816	46.457	ug/l	99
46) Dibromomethane	7.66	93	63607	46.338	ug/l	99
47) Bromodichloromethane	7.90	83	127088	46.414	ug/l	96
48) Methyl methacrylate	7.77	41	153726	51.543	ug/l	97
49) 1,4-Dioxane	7.74	88	52539	868.639	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	995040	253.237	ug/l	98
52) Toluene	8.79	92	230395	45.402	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	147927	47.851	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	162418	47.467	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	95630	46.192	ug/l	94
56) Ethyl methacrylate	9.18	69	181259	49.048	ug/l	95
57) 1,3-Dichloropropane	9.37	76	170796	46.882	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	456137	232.668	ug/l	99
59) 2-Hexanone	9.49	43	750778	243.284	ug/l	97
60) Dibromochloromethane	9.58	129	94720	46.845	ug/l	98
61) 1,2-Dibromoethane	9.67	107	98889	47.320	ug/l	99
64) Tetrachloroethene	9.34	164	78770	42.781	ug/l	99
65) Chlorobenzene	10.13	112	241301	44.939	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	87086	44.736	ug/l	99
67) Ethyl Benzene	10.25	91	442288	44.757	ug/l	99
68) m/p-Xylenes	10.36	106	323127	89.479	ug/l	97
69) o-Xylene	10.69	106	159722	44.828	ug/l	98
70) Styrene	10.71	104	283187	45.729	ug/l	99
71) Bromoform	10.85	173	72788	46.011	ug/l #	100
73) Isopropylbenzene	11.02	105	411473	43.755	ug/l	100
74) N-amyl acetate	10.90	43	269022	49.068	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	157829	45.021	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	137093m	45.702	ug/l	
77) Bromobenzene	11.26	156	105512	45.205	ug/l	97
78) n-propylbenzene	11.36	91	479975	44.691	ug/l	100
79) 2-Chlorotoluene	11.42	91	293484	44.293	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	354913	44.823	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	51765	44.153	ug/l	96
82) 4-Chlorotoluene	11.51	91	339913	45.410	ug/l	99
83) tert-Butylbenzene	11.77	119	332202	43.128	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	361434	45.476	ug/l	100
85) sec-Butylbenzene	11.94	105	388073	42.495	ug/l	100
86) p-Isopropyltoluene	12.06	119	357032	43.489	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	184402	44.317	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	183823	43.820	ug/l	99
89) n-Butylbenzene	12.38	91	328244	44.236	ug/l	100
90) Hexachloroethane	12.60	117	60457	43.225	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	184134	43.447	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35564	45.223	ug/l	96

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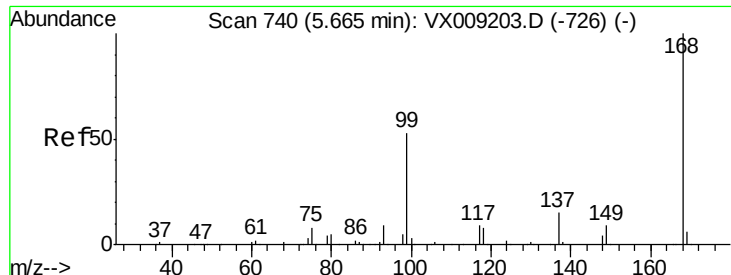
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	128453	44.322	ug/l	99
94) Hexachlorobutadiene	13.78	225	57521	38.866	ug/l	98
95) Naphthalene	13.83	128	427393	45.328	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	130464	44.409	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 170498

Ion Ratio Lower Upper

168 100

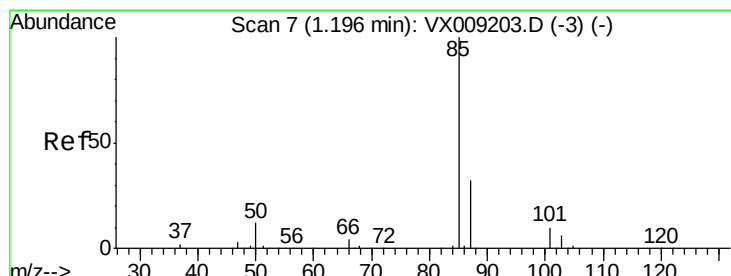
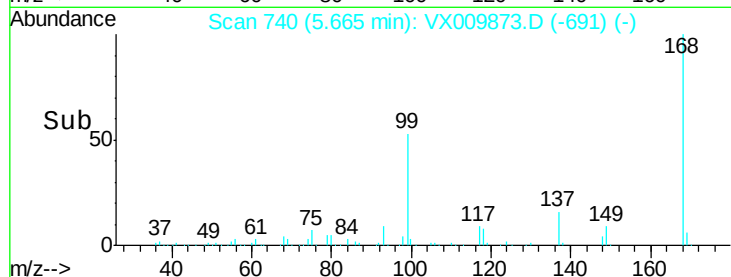
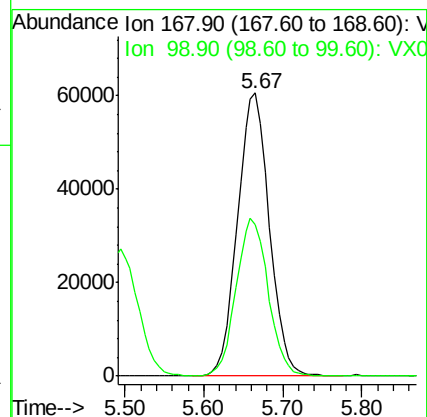
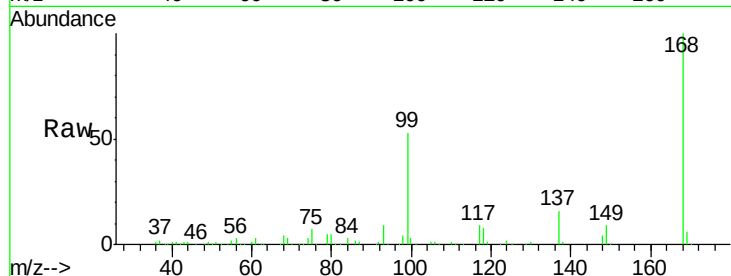
99 53.3 42.3 63.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 36.309 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009873.D

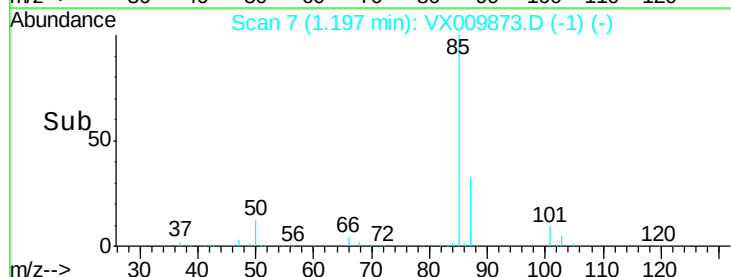
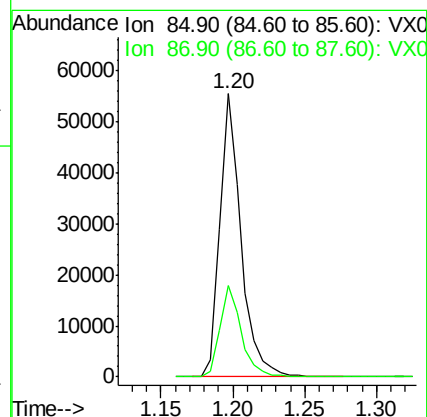
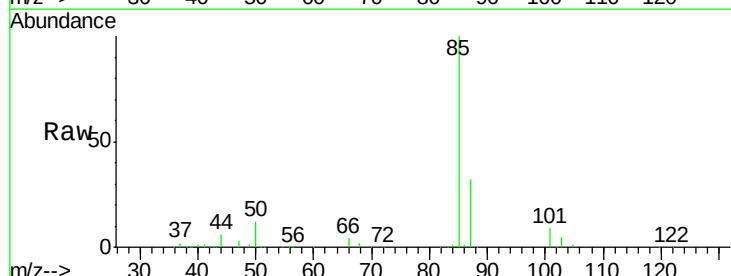
Acq: 23 May 2019 20:58

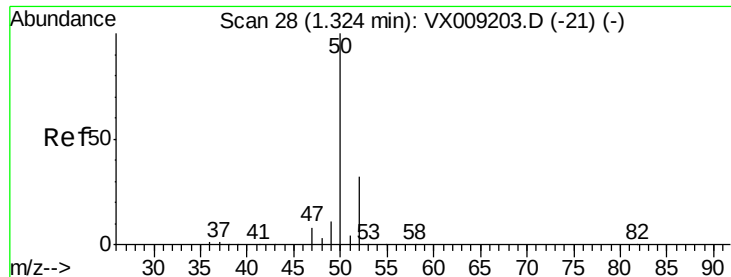
Tgt Ion: 85 Resp: 57047

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3





#3

Chloromethane

Concen: 48.339 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 103689

Ion Ratio Lower Upper

50 100

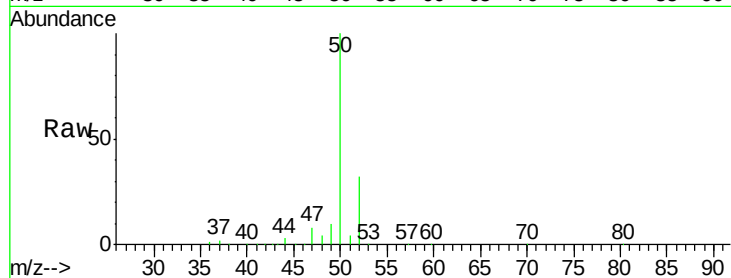
52 32.3 25.9 38.9

Manual Integrations

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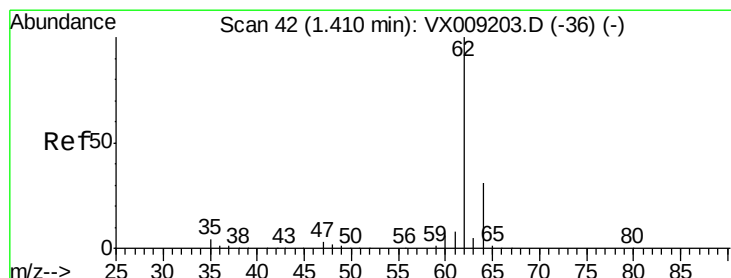
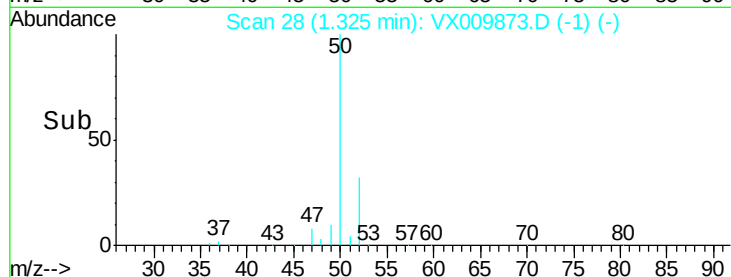
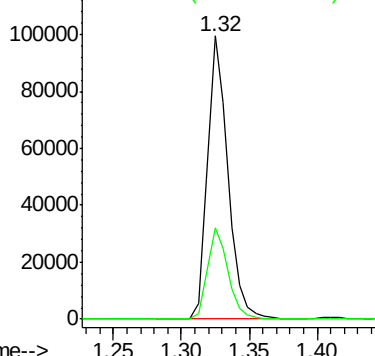
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.236 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009873.D

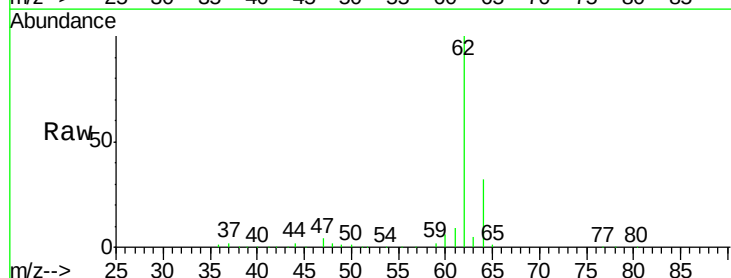
Acq: 23 May 2019 20:58

Tgt Ion: 62 Resp: 94619

Ion Ratio Lower Upper

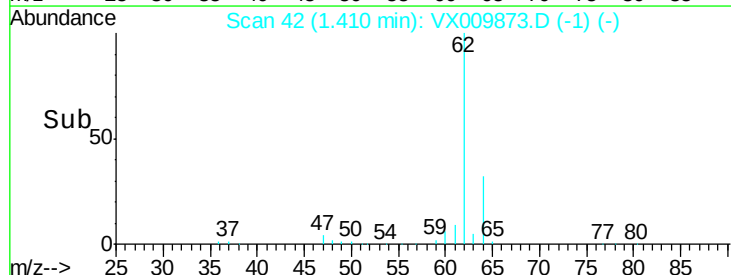
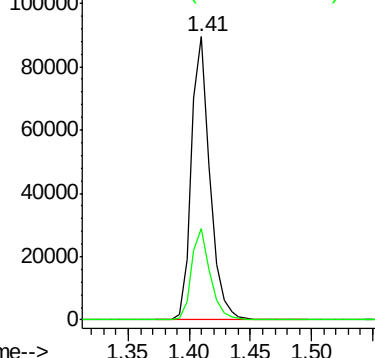
62 100

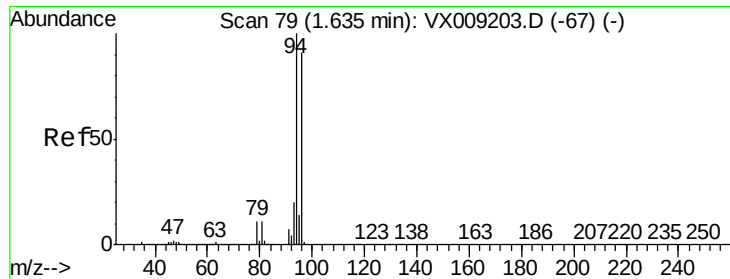
64 32.2 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 46.984 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 58986

Ion Ratio Lower Upper

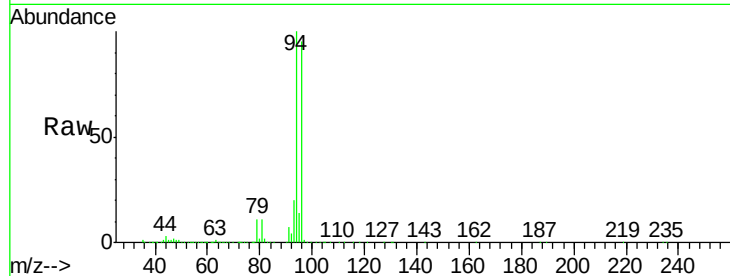
94 100

96 95.2 73.0 109.6

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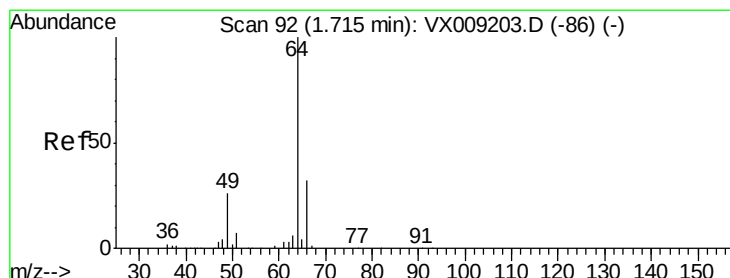
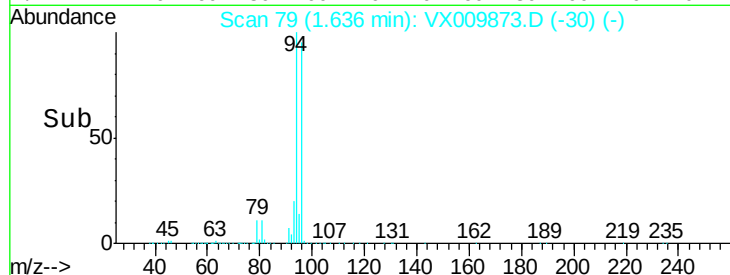
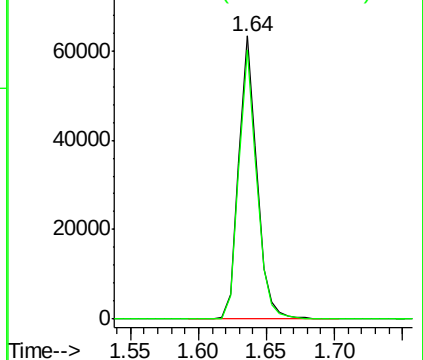
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.086 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009873.D

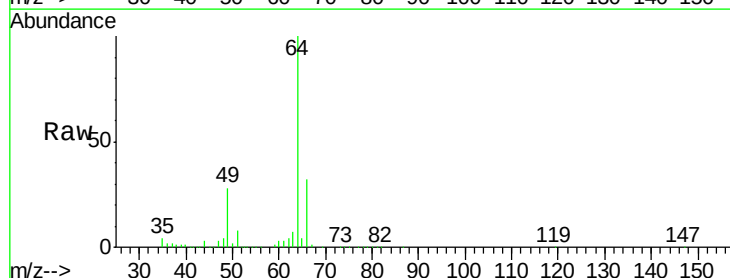
Acq: 23 May 2019 20:58

Tgt Ion: 64 Resp: 61891

Ion Ratio Lower Upper

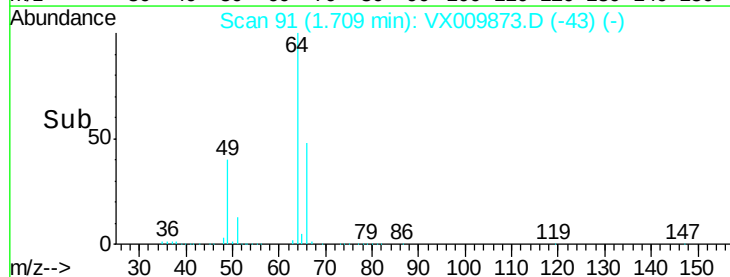
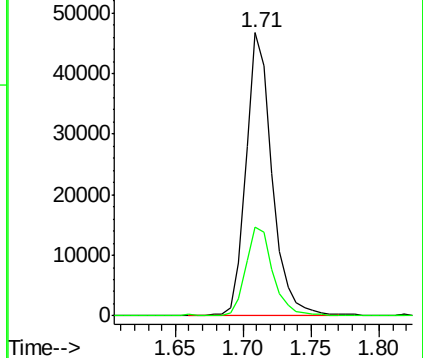
64 100

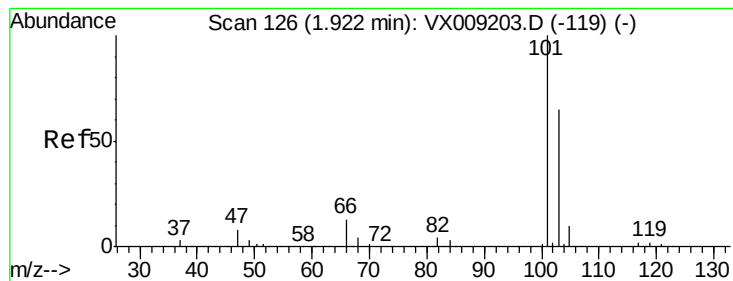
66 31.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

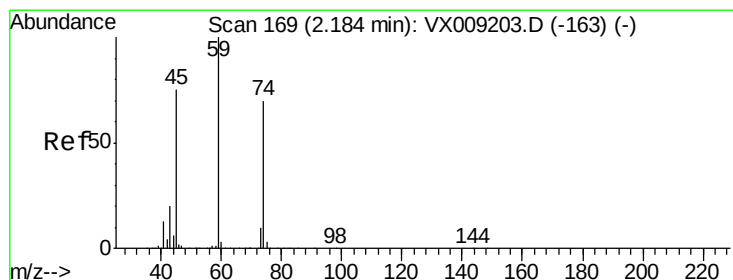
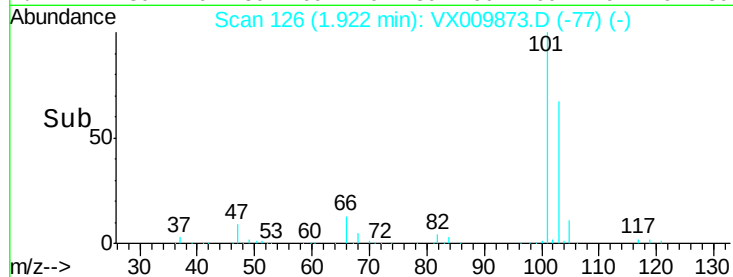
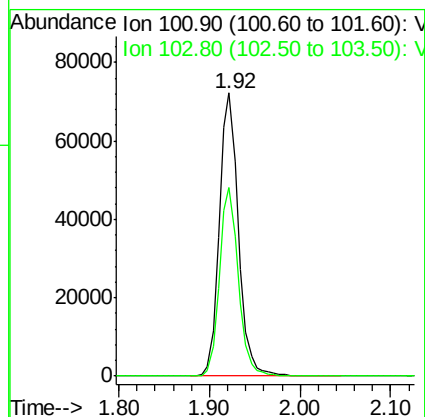
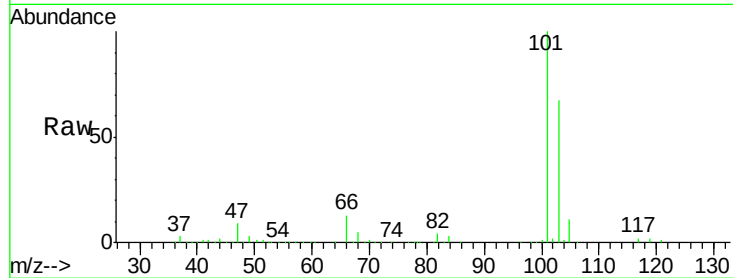
Trichlorofluoromethane
Concen: 41.808 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 106299
Ion Ratio Lower Upper
101 100
103 66.7 52.4 78.6

Manual Integrations
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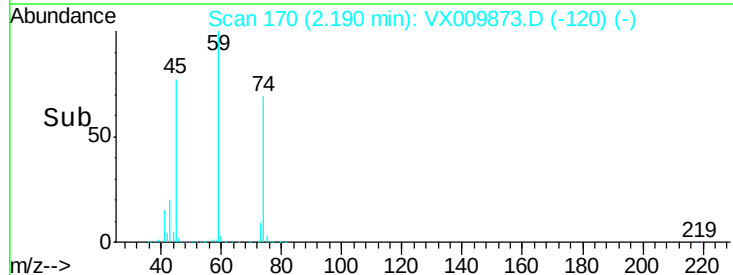
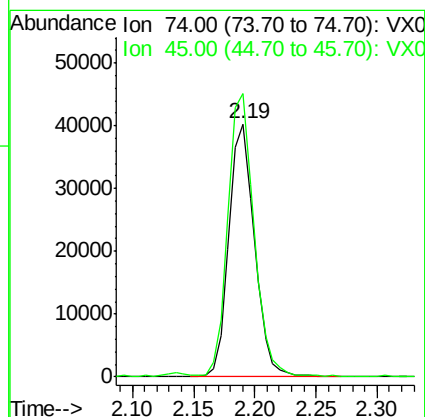
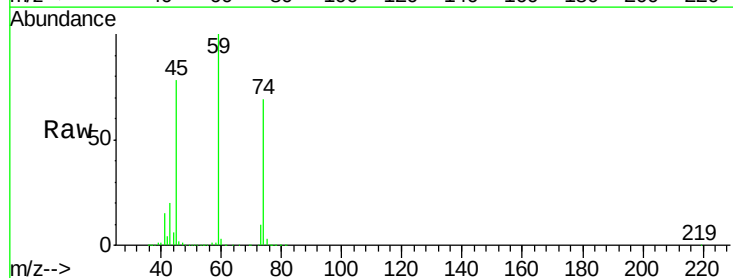
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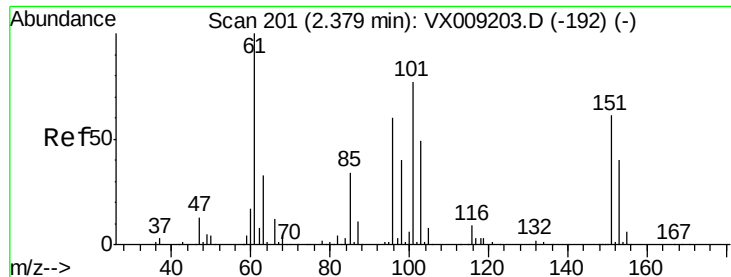


#8

Diethyl Ether
Concen: 48.566 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Tgt Ion: 74 Resp: 58491
Ion Ratio Lower Upper
74 100
45 113.0 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 39.840 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

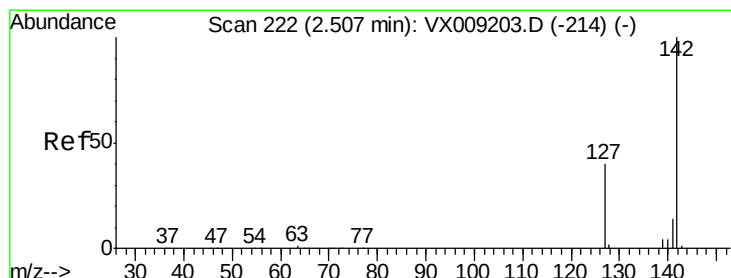
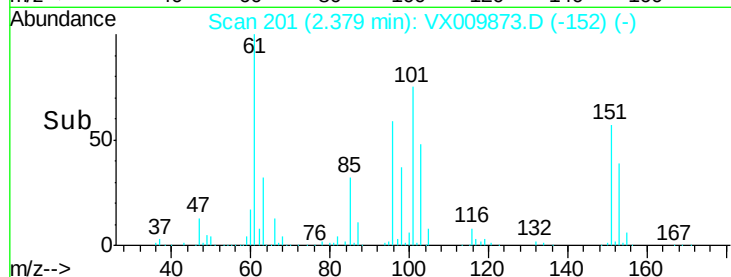
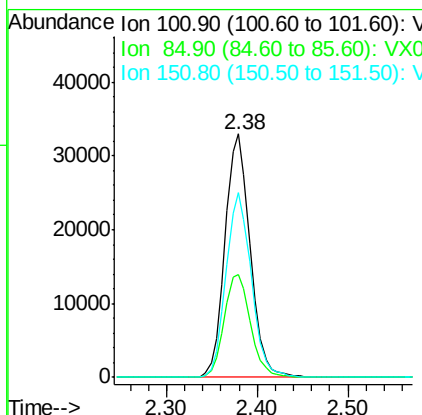
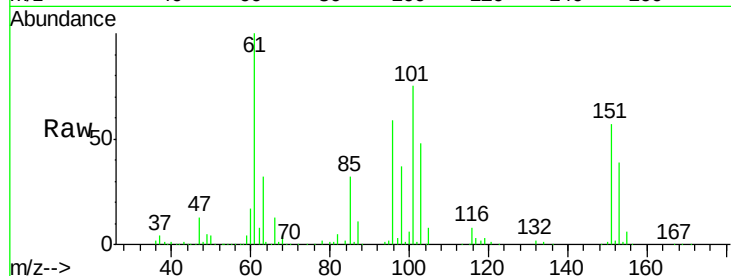
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	63611
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.7	53.5
151	76.4	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 48.353 ug/l

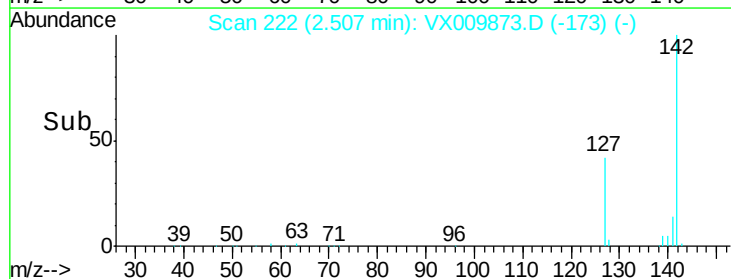
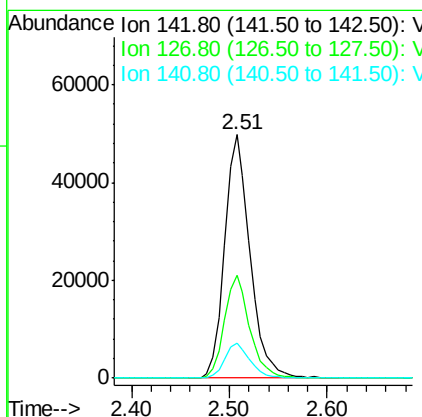
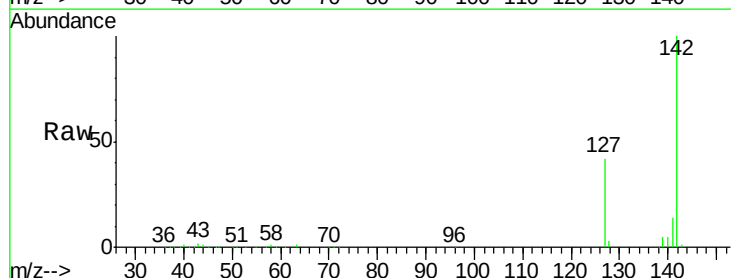
RT: 2.51 min Scan# 222

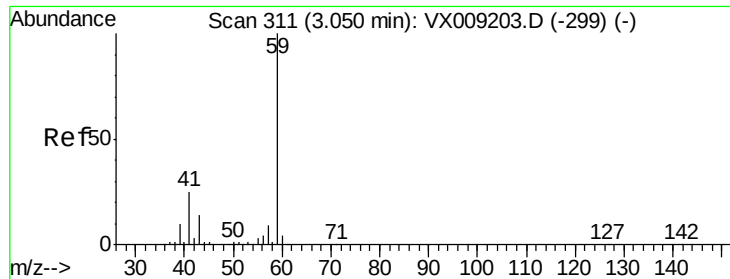
Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Tgt Ion:	142	Resp:	89393
Ion Ratio	Lower	Upper	
142	100		
127	42.1	32.7	49.1
141	14.5	11.5	17.3





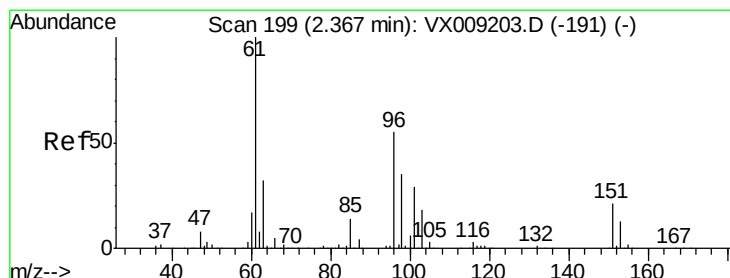
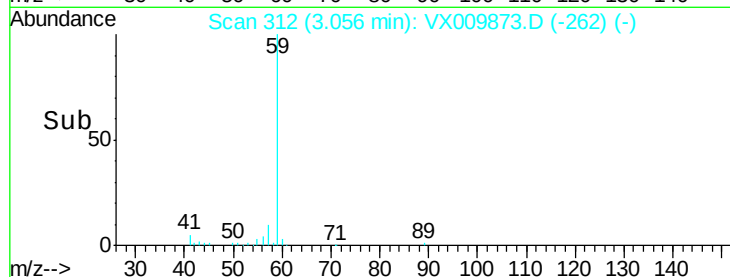
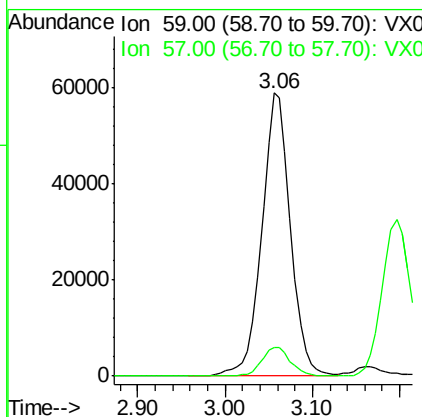
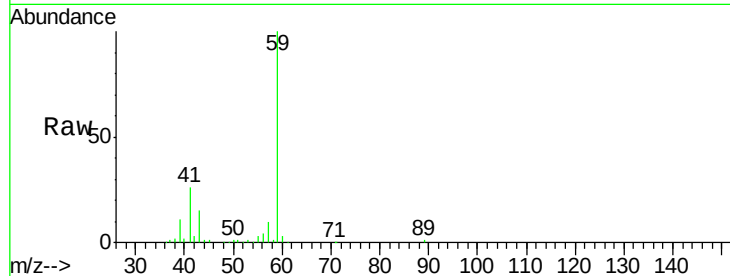
#11
Tert butyl alcohol
Concen: 249.733 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

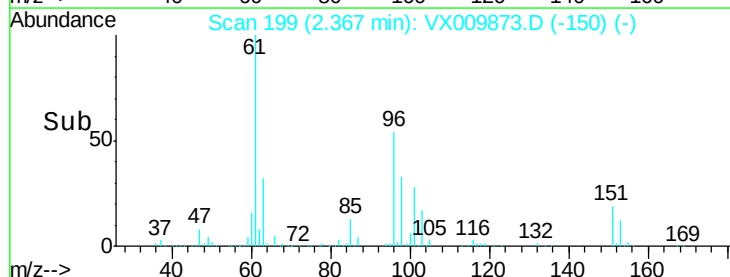
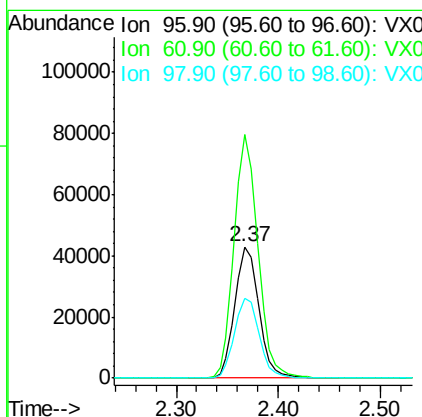
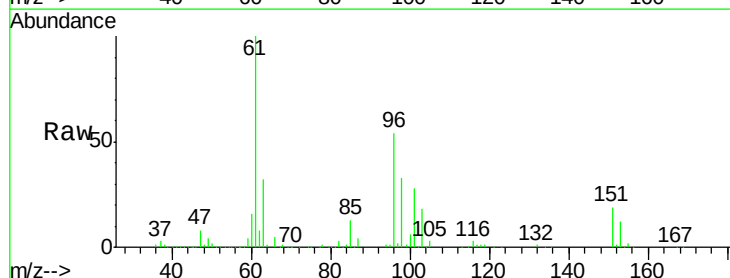
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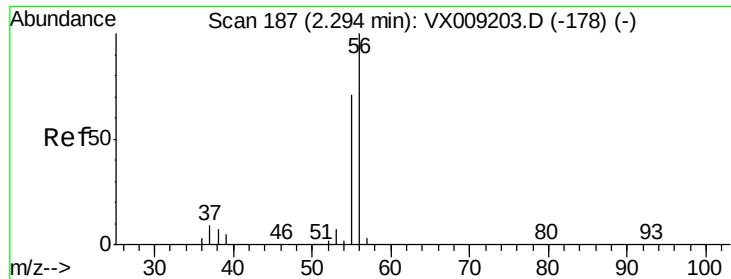
MMDadoda
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#12
1,1-Dichloroethene
Concen: 43.766 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.9	144.3	216.5
98	60.9	50.3	75.5





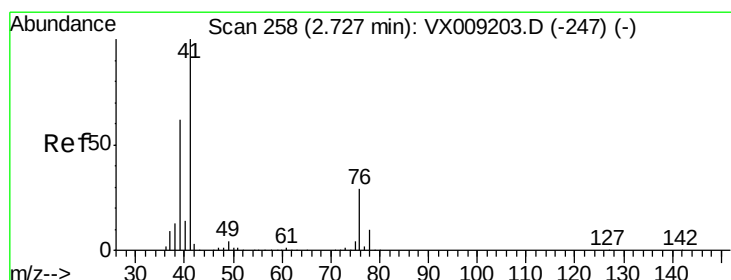
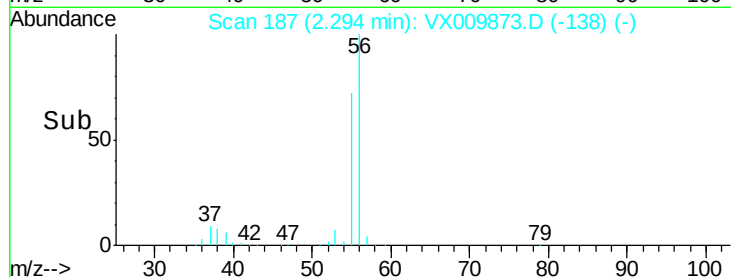
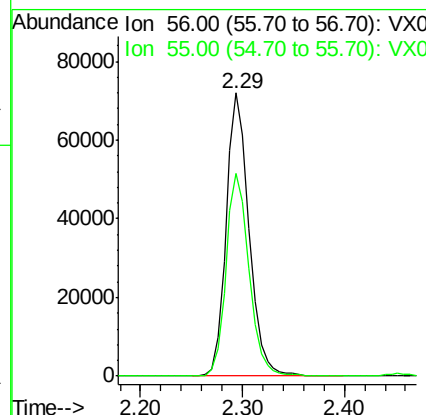
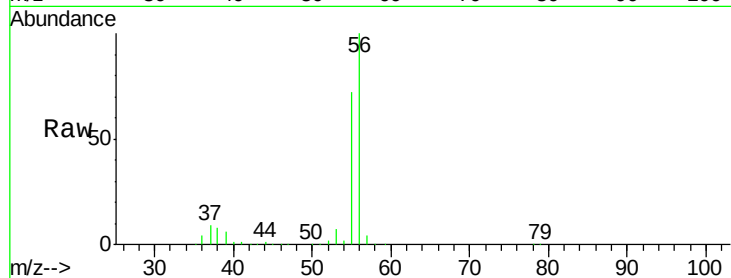
#13
Acrolein
Concen: 229.864 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	55	Ratio	100	Resp	Lower	Upper
112155							

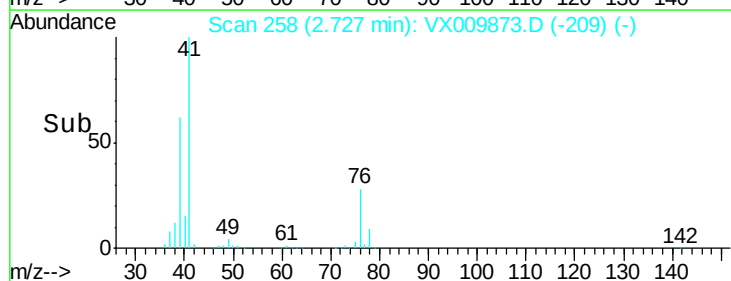
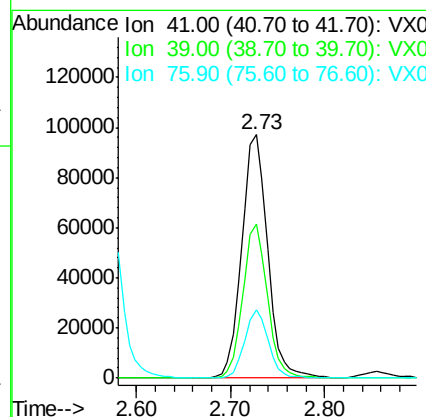
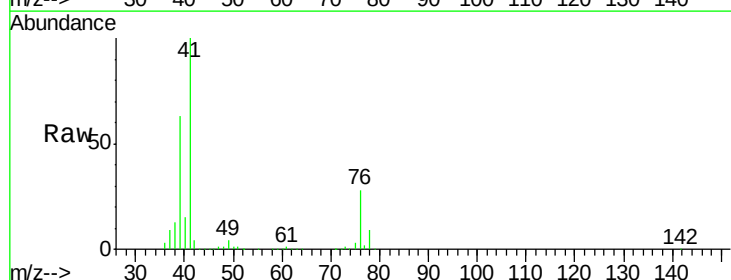
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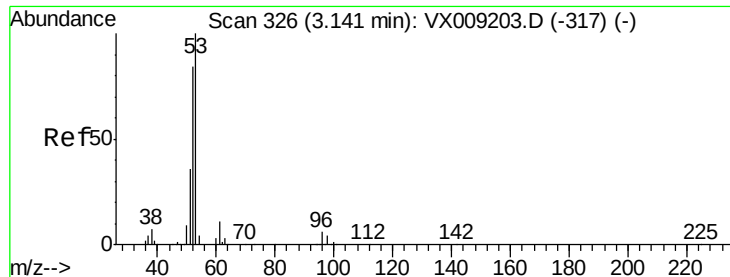
MMDadoda
5/24/2019 9:02:21 AM



#14
Allyl chloride
Concen: 47.920 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Tgt Ion	41	39	76	Ratio	100	59.5	25.8	Resp	186822	Lower	Upper





#15

Acrylonitrile

Concen: 251.944 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

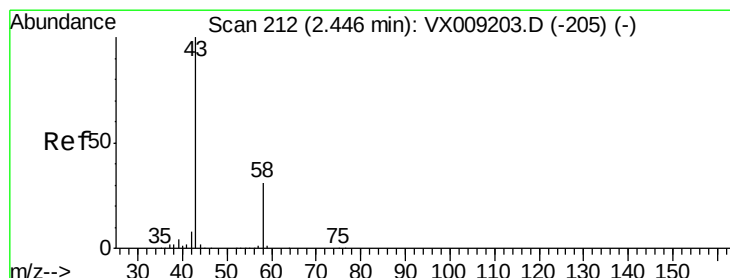
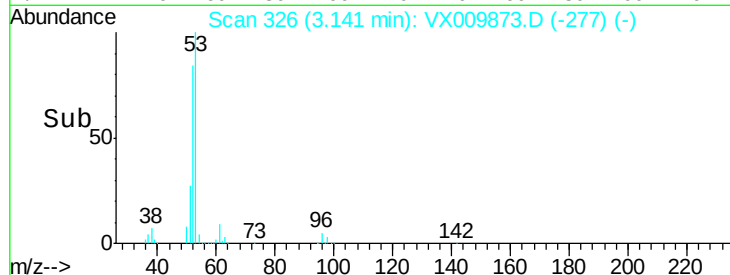
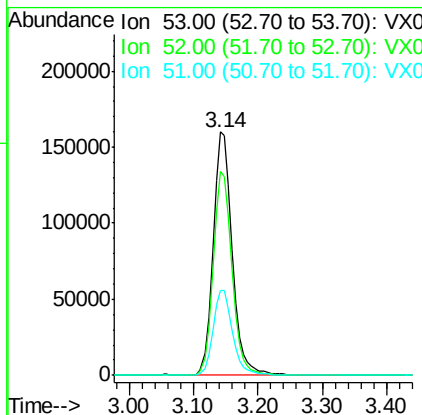
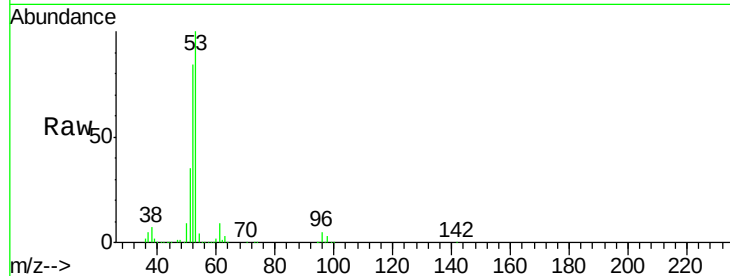
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	331887
Ion Ratio		Lower	Upper
53	100		
52	83.4	66.9	100.3
51	35.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 236.221 ug/l

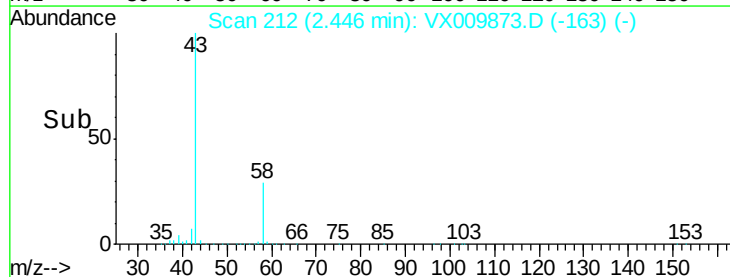
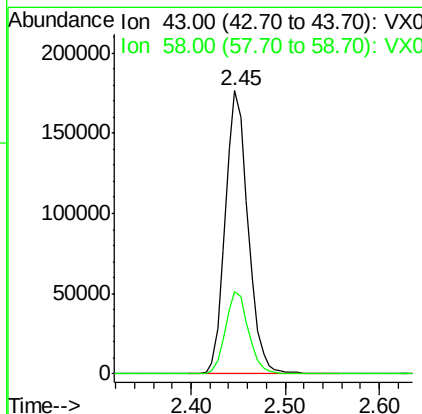
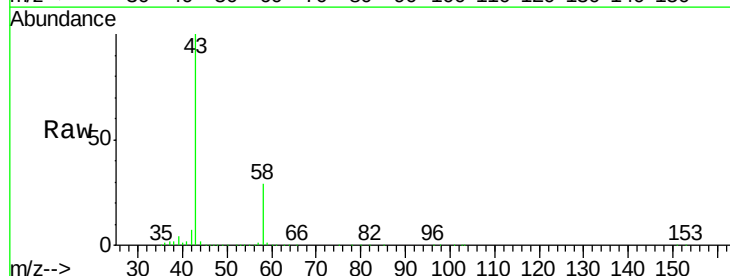
RT: 2.45 min Scan# 212

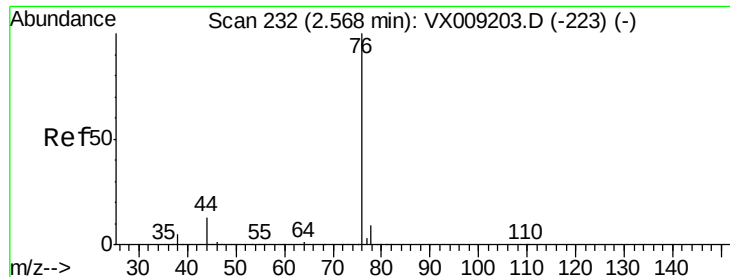
Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Tgt Ion:	43	Resp:	295223
Ion Ratio		Lower	Upper
43	100		
58	29.3	24.9	37.3





#17

Carbon Disulfide

Concen: 44.994 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 202090

Ion Ratio Lower Upper

76 100

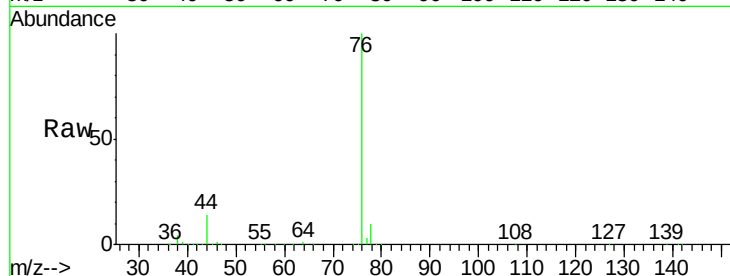
78 9.5 7.4 11.0

Manual Integrations

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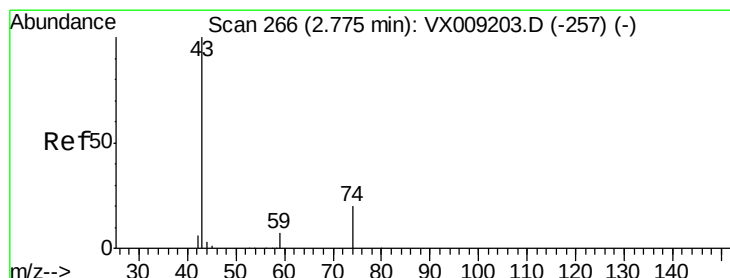
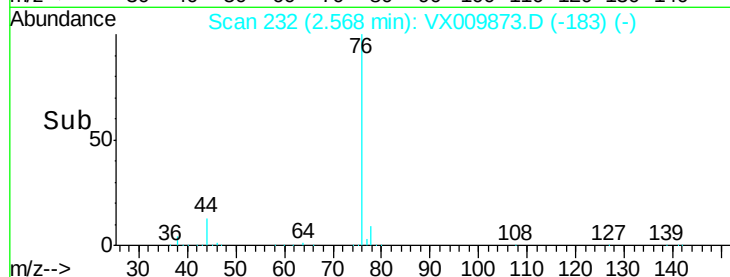
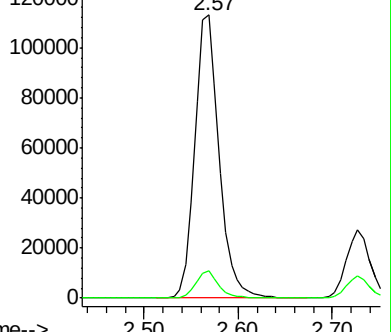
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 48.285 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009873.D

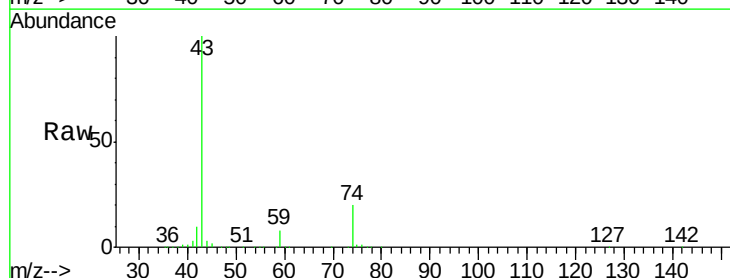
Acq: 23 May 2019 20:58

Tgt Ion: 43 Resp: 143515

Ion Ratio Lower Upper

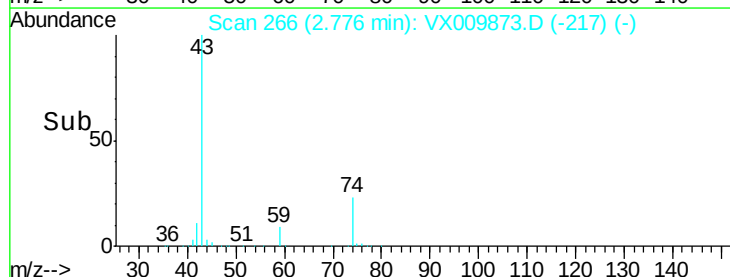
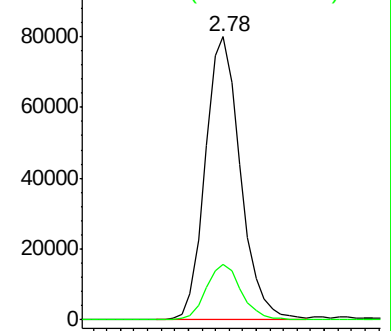
43 100

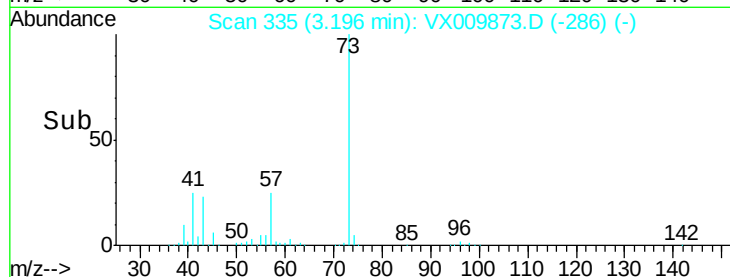
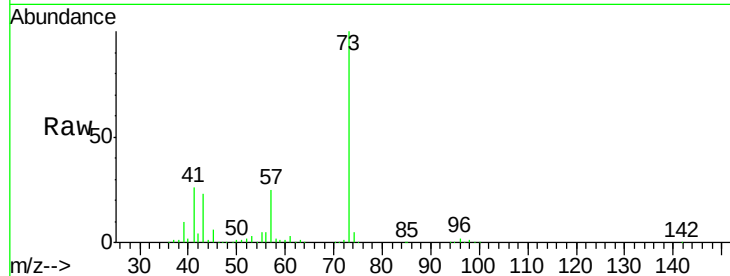
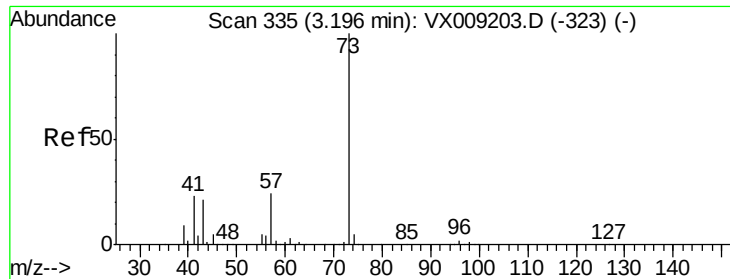
74 20.2 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether

Concen: 49.468 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Tot Ion: 73 Resp: 307310

Ion Ratio Lower Upper

73 100

57 24.8 19.3 28.9

Instrument :

MSVOA_X

ClientSampleId :

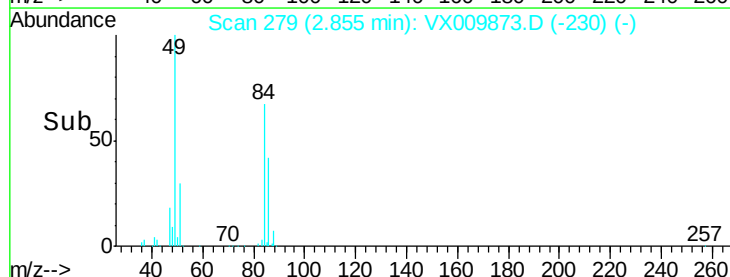
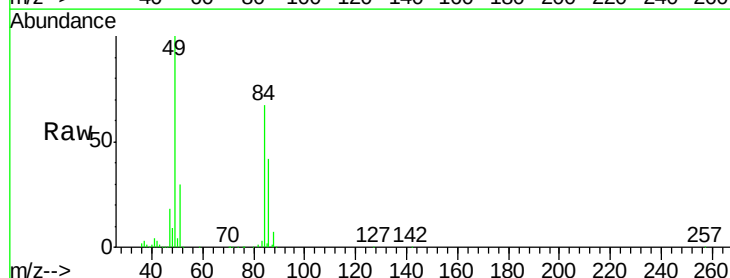
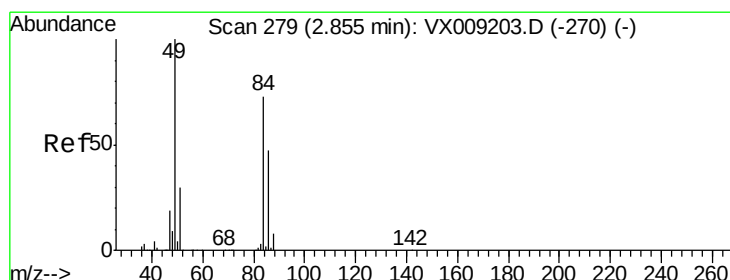
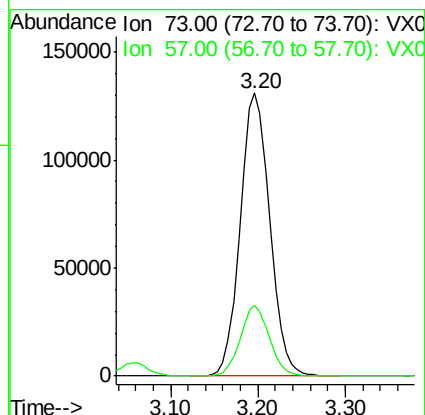
VSTDCCC050EC

Manual Integrations

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#20

Methylene Chloride

Concen: 46.809 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Tgt Ion: 84 Resp: 94721

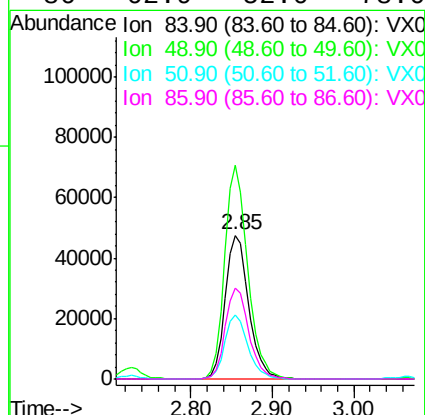
Ion Ratio Lower Upper

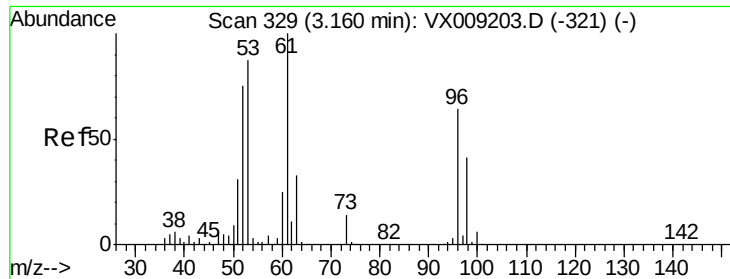
84 100

49 148.6 109.9 164.9

51 44.3 32.7 49.1

86 62.9 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 46.162 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 80089

Ion Ratio Lower Upper

96 100

61 157.7 124.5 186.7

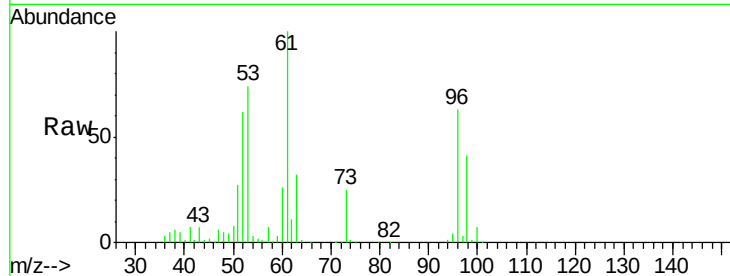
98 64.1 50.4 75.6

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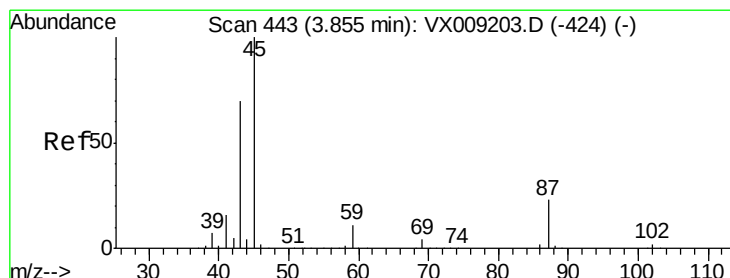
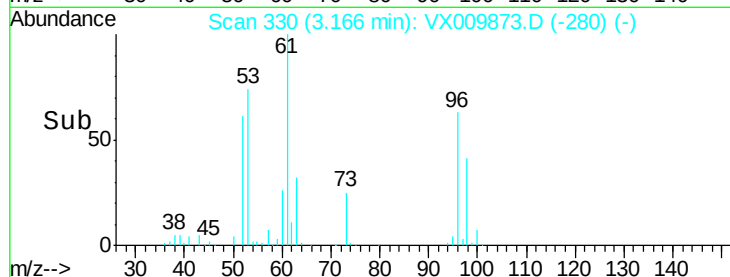
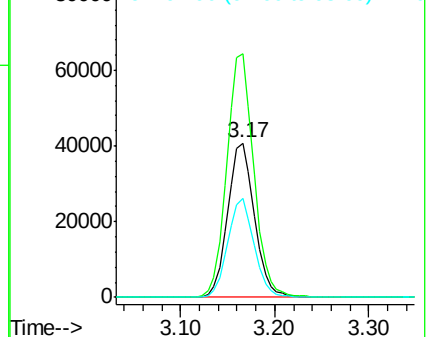
5/24/2019 9:02:21 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.841 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Tgt Ion: 45 Resp: 381184

Ion Ratio Lower Upper

45 100

43 62.5 56.1 84.1

87 21.7 18.1 27.1

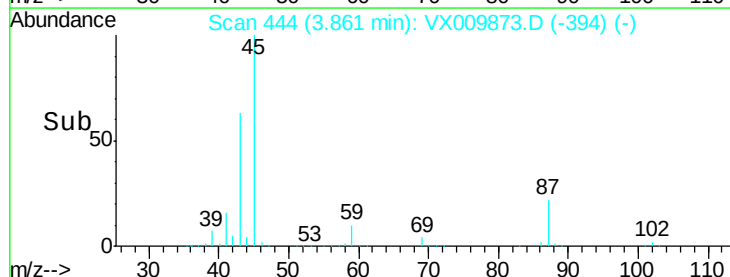
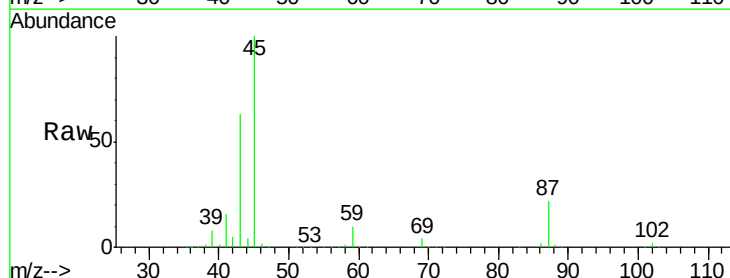
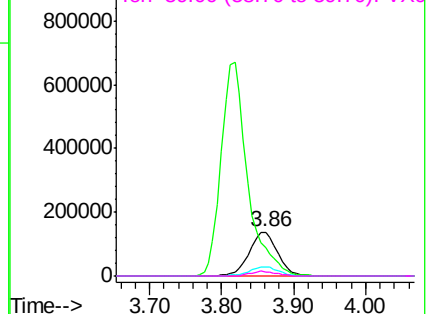
59 10.2 8.5 12.7

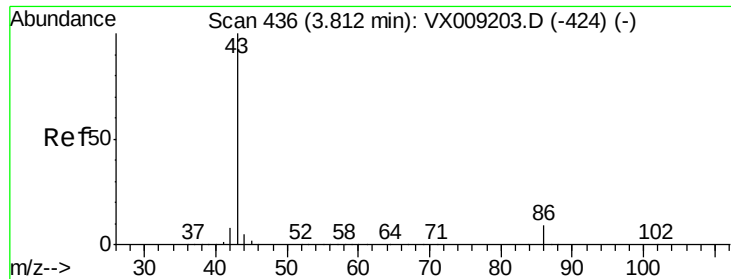
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 268.578 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1724328

Ion Ratio Lower Upper

43 100

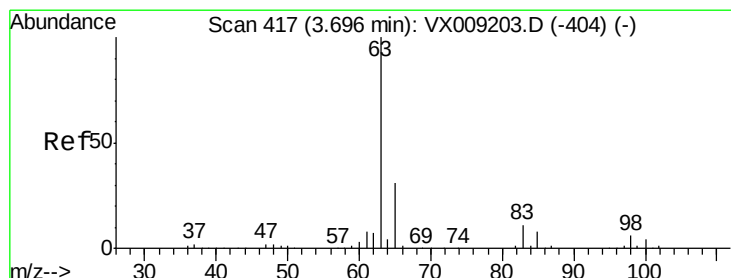
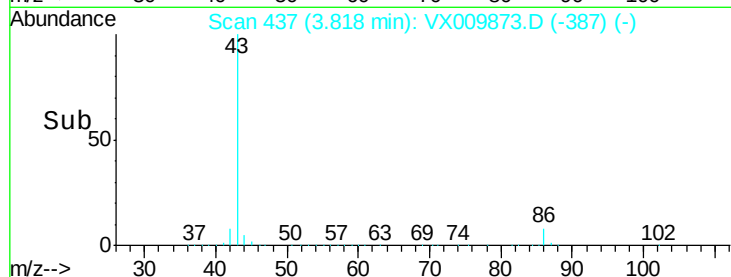
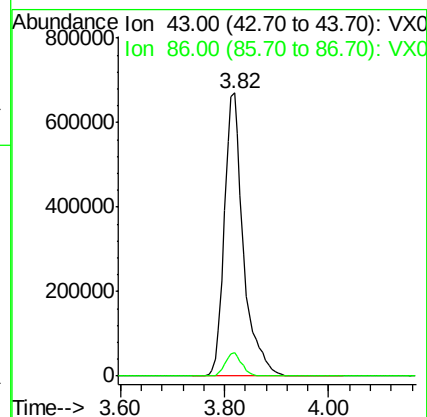
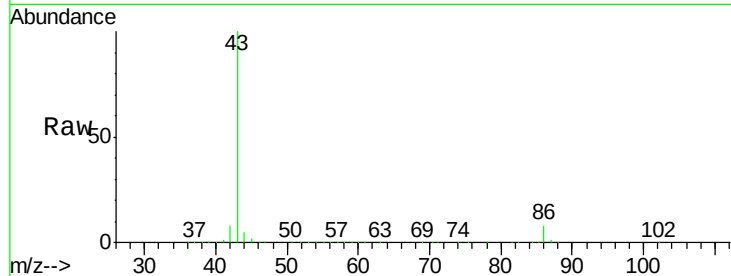
86 8.2 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.521 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

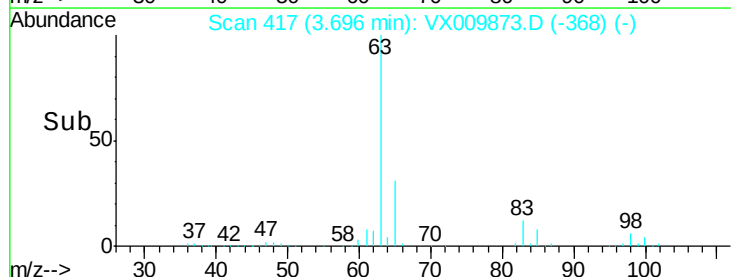
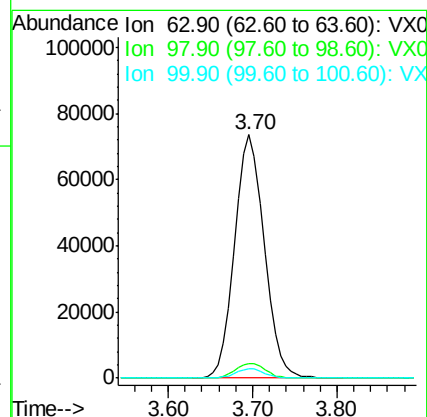
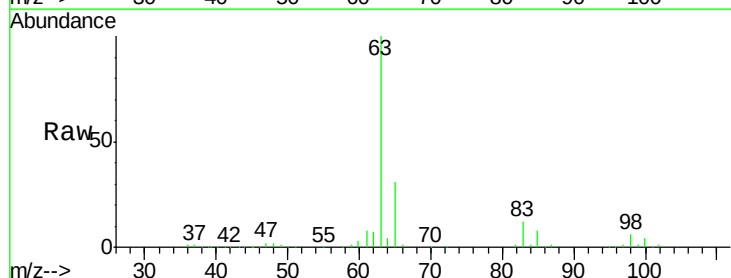
Tgt Ion: 63 Resp: 175761

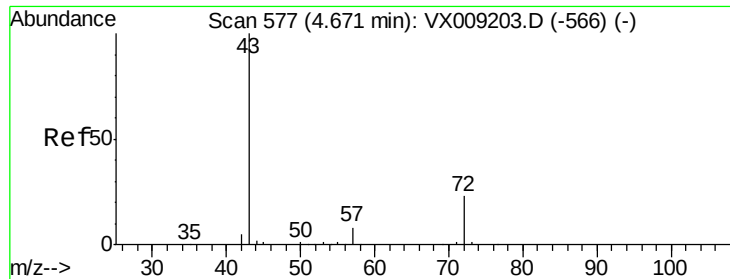
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 259.315 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 503620

Ion Ratio Lower Upper

43 100

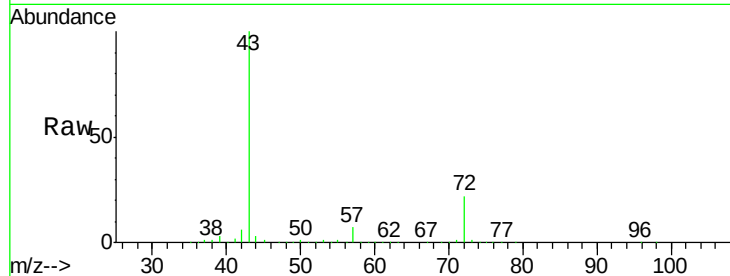
72 21.5 18.2 27.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

100000

50000

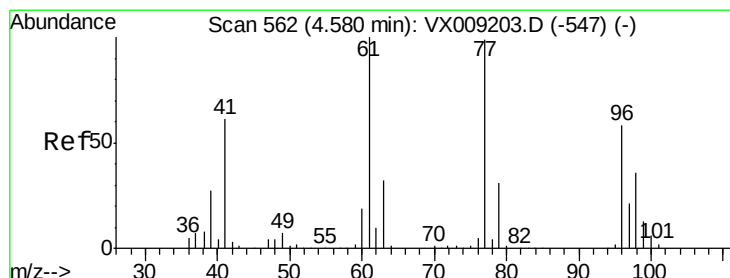
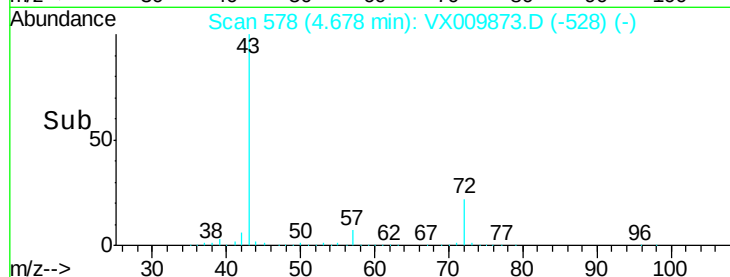
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 40.816 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009873.D

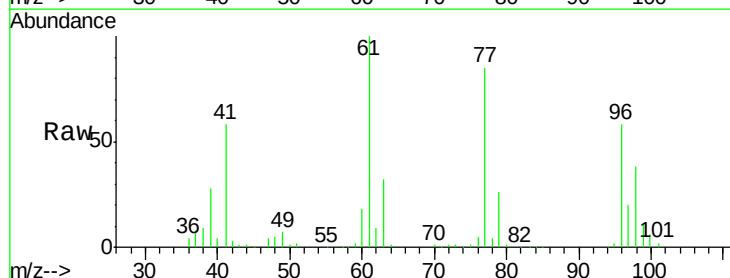
Acq: 23 May 2019 20:58

Tgt Ion: 77 Resp: 112367

Ion Ratio Lower Upper

77 100

97 23.1 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

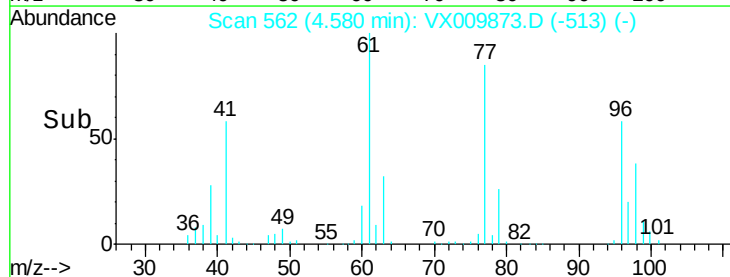
4.40

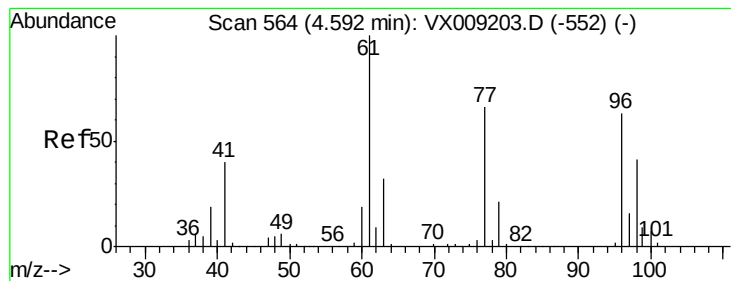
4.50

4.60

4.70

Time-->





#27

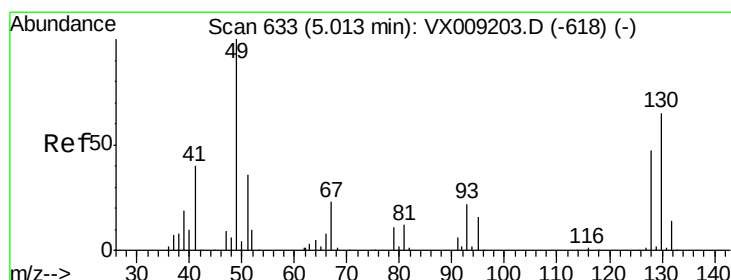
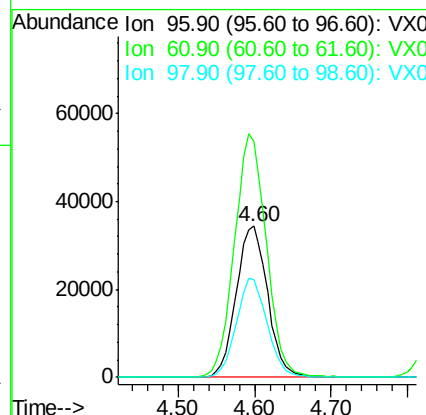
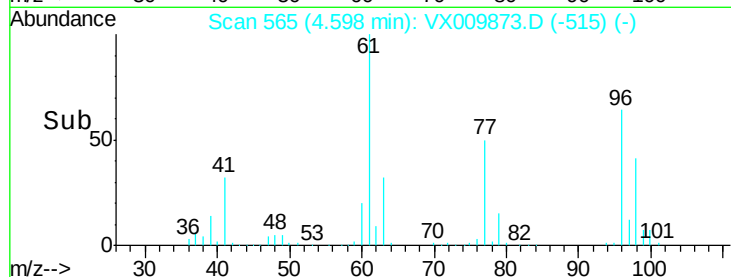
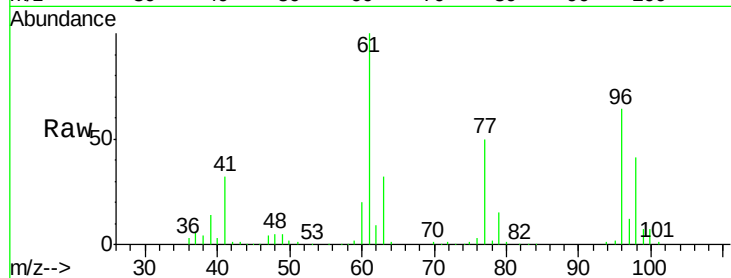
cis-1,2-Dichloroethene
Concen: 47.217 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.8	0.0	324.0
98	64.3	0.0	130.4

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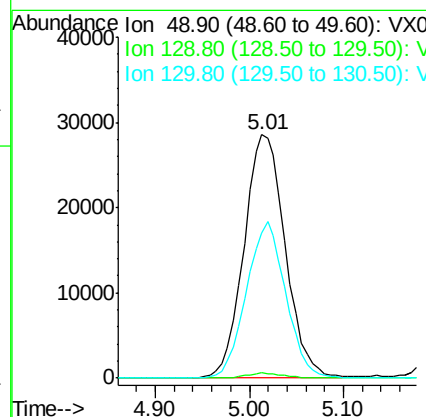
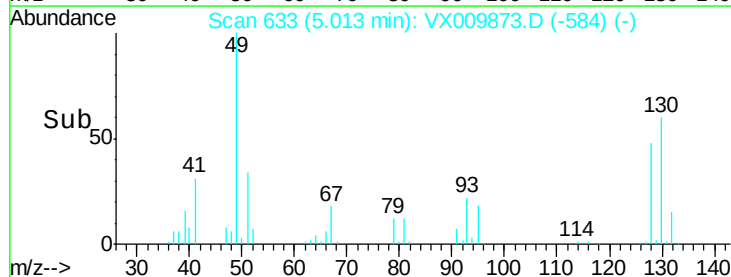
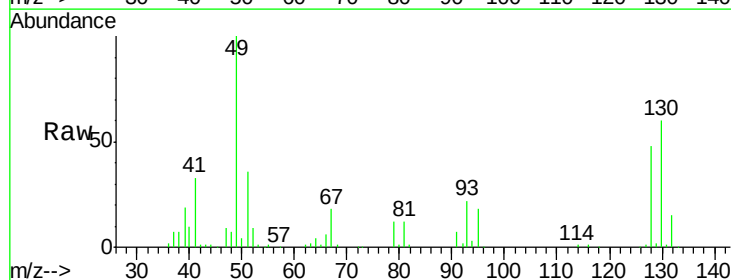
MMDadoda
5/24/2019 9:02:21 AM

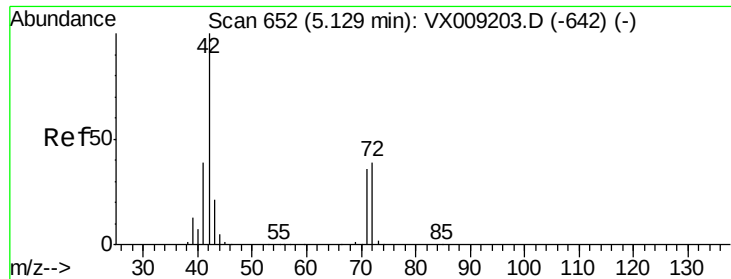


#28

Bromochloromethane
Concen: 59.235 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	61.3	51.2	76.8





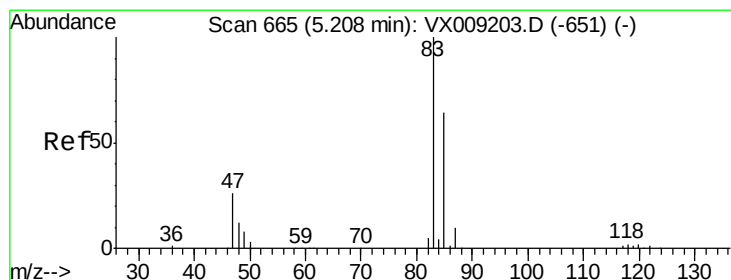
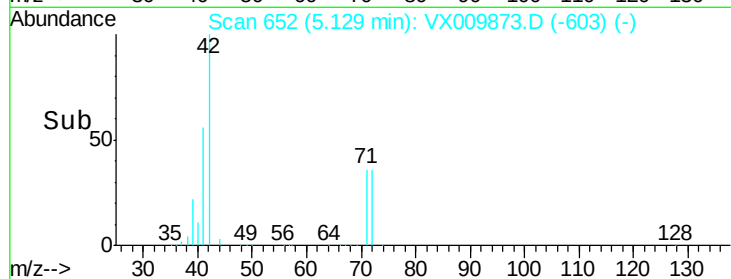
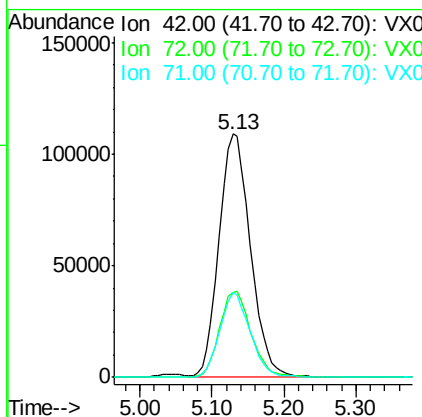
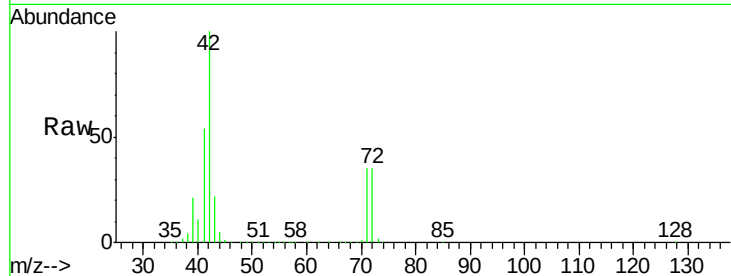
#29
Tetrahydrofuran
Concen: 264.628 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	30.4	45.6
71	33.9	28.6	43.0

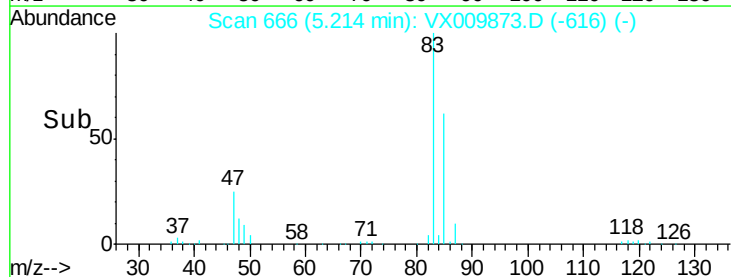
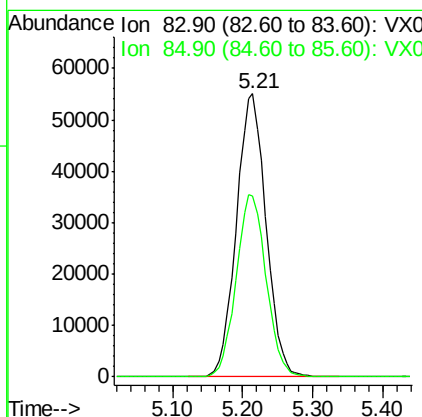
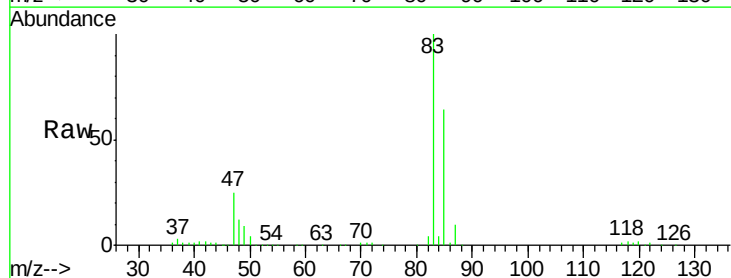
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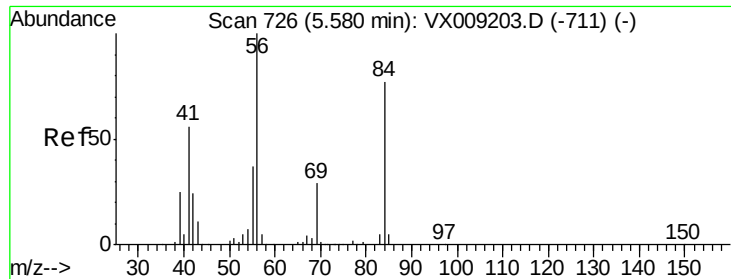
MMDadoda
5/24/2019 9:02:21 AM



#30
Chloroform
Concen: 48.437 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.5	77.3





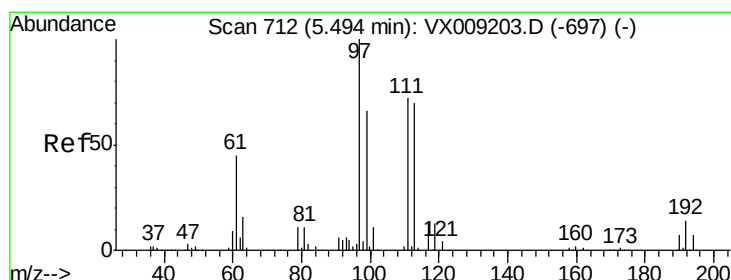
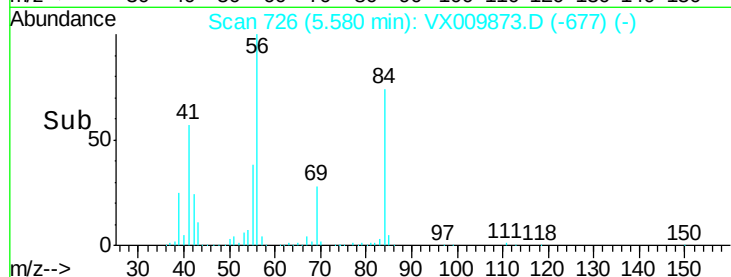
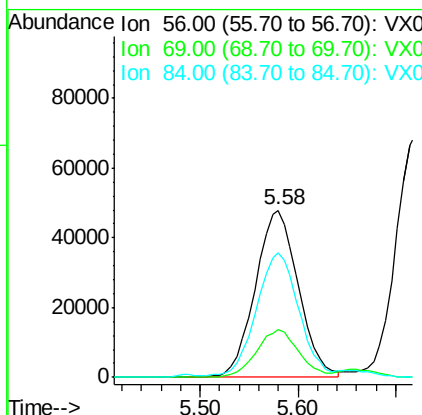
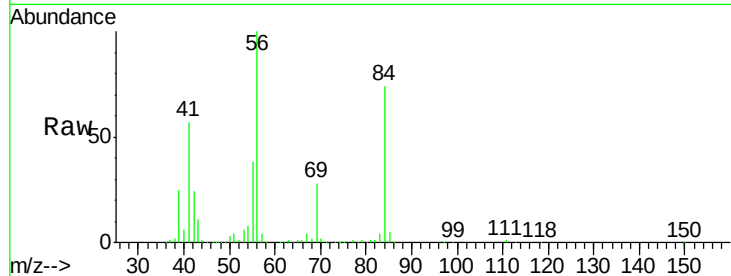
#31
Cyclohexane
Concen: 42.654 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.4	35.0
84	72.5	61.9	92.9

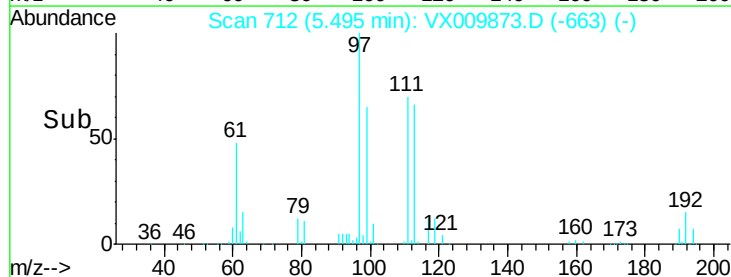
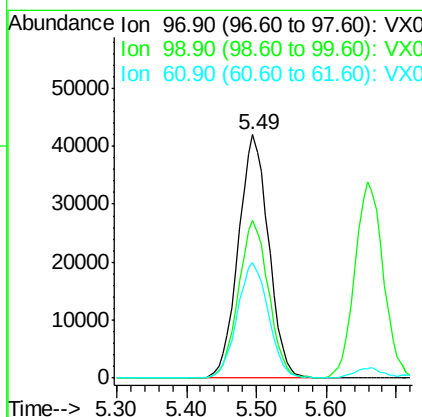
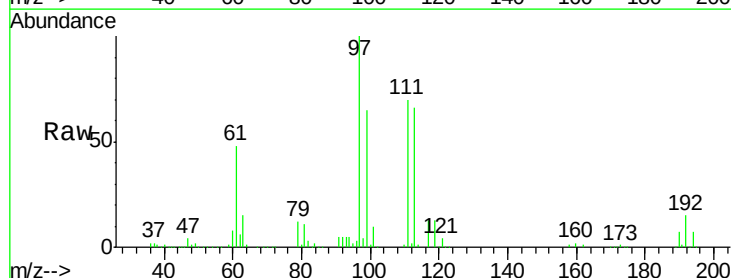
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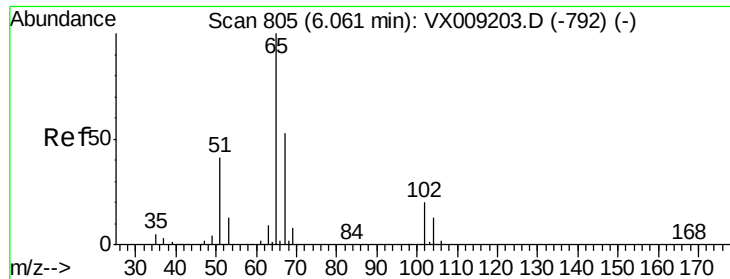
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 45.348 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	49.0	37.8	56.8





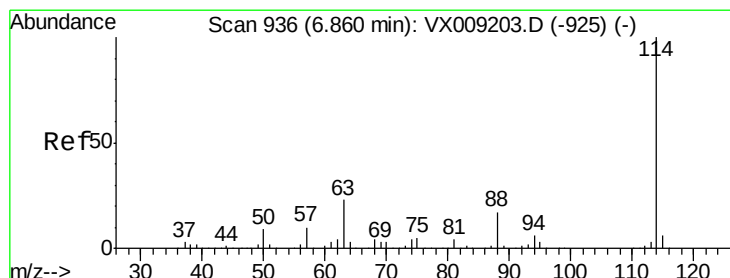
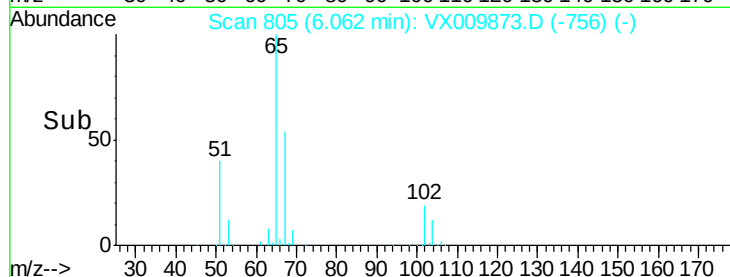
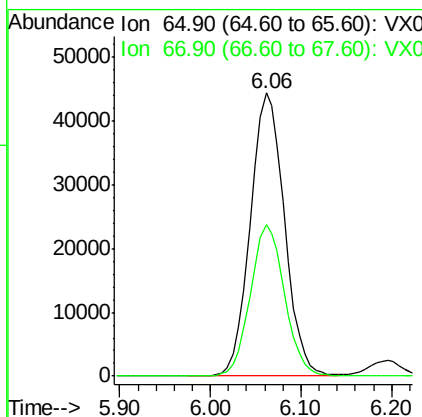
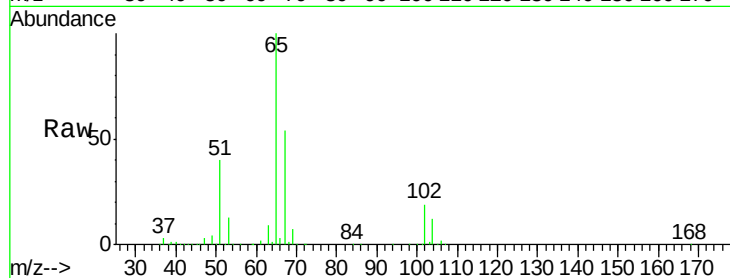
#33
 1,2-Dichloroethane-d4
 Concen: 49.759 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009873.D
 Acq: 23 May 2019 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	106.6

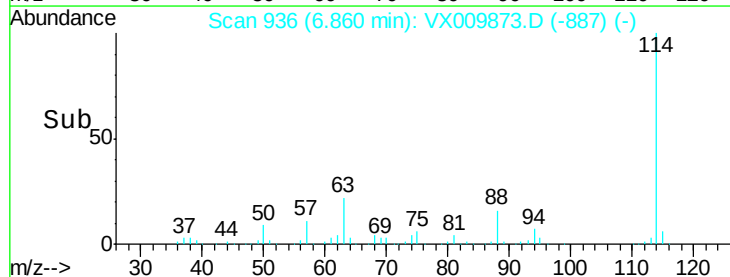
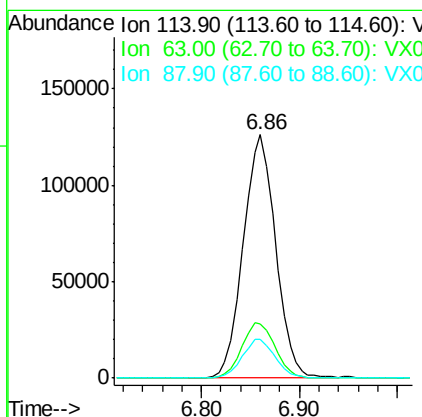
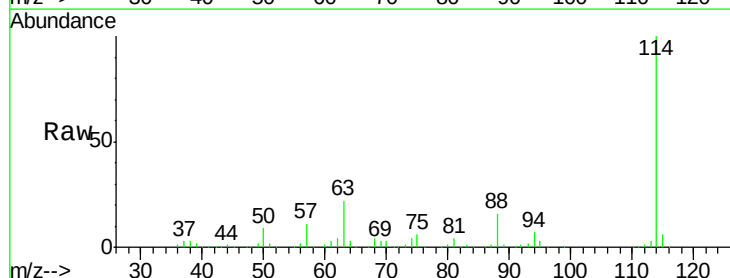
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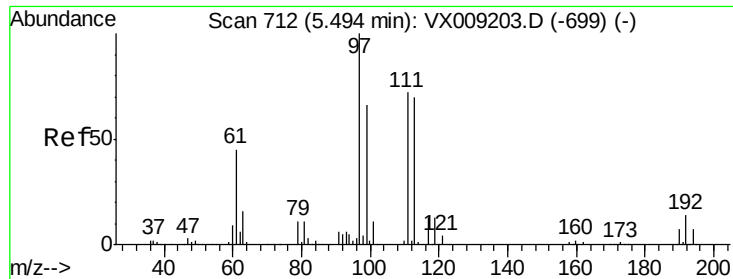
MMDadoda
 5/24/2019 9:02:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009873.D
 Acq: 23 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	45.6
88	15.9	0.0	33.2





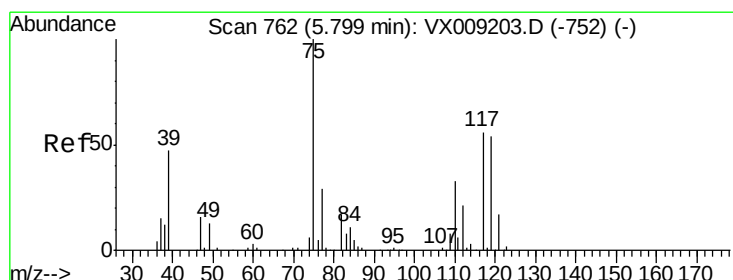
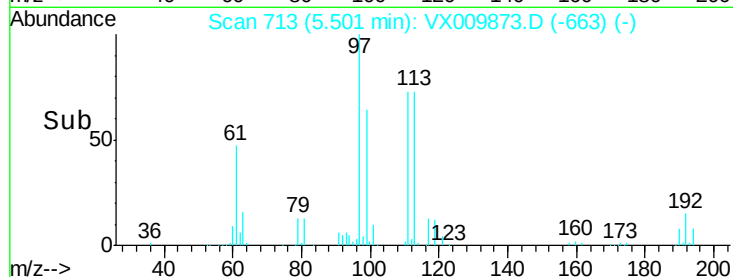
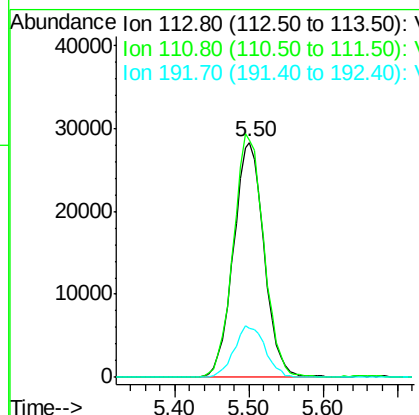
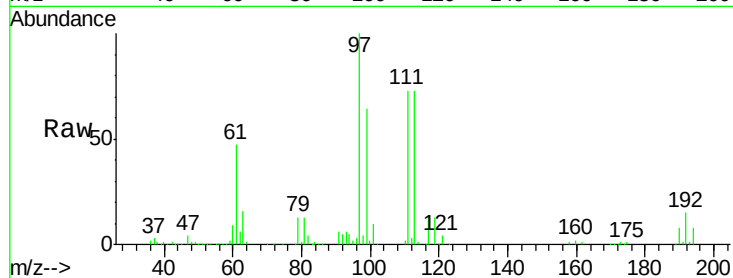
#35
 Dibromofluoromethane
 Concen: 44.643 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009873.D
 Acq: 23 May 2019 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.8	124.2
192	22.1	17.0	25.6

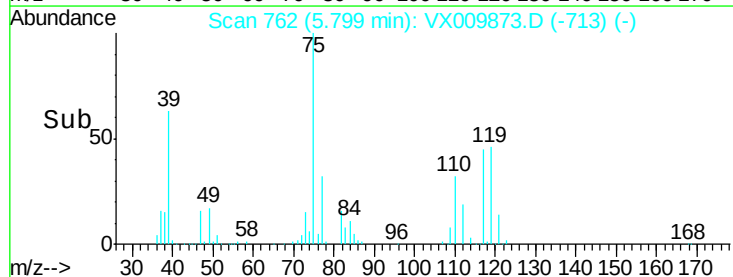
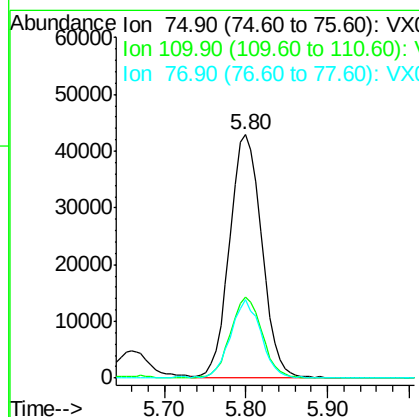
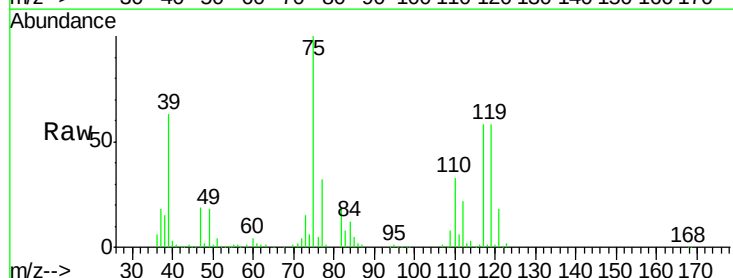
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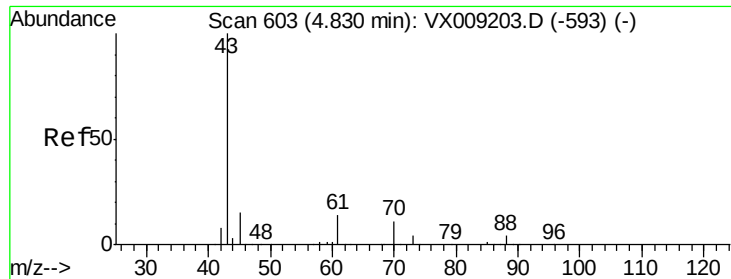
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#36
 1,1-Dichloropropene
 Concen: 43.137 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009873.D
 Acq: 23 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.9	50.6
77	30.8	24.8	37.2





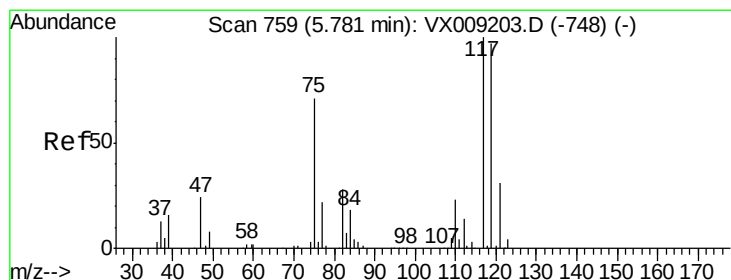
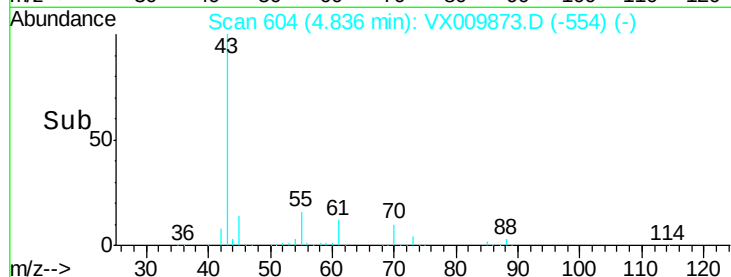
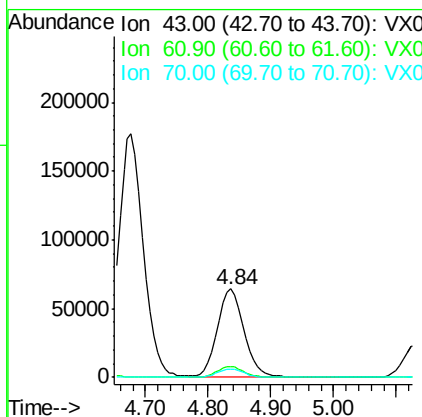
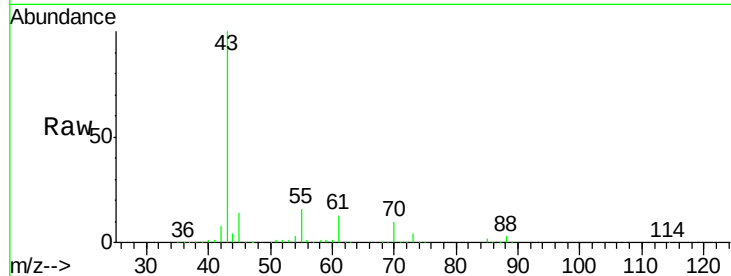
#37
Ethyl Acetate
Concen: 50.555 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.5	15.7
70	9.2	7.9	11.9

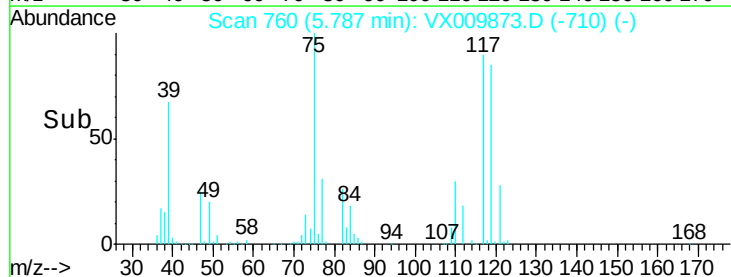
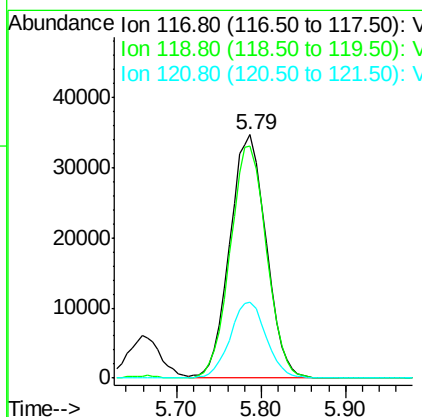
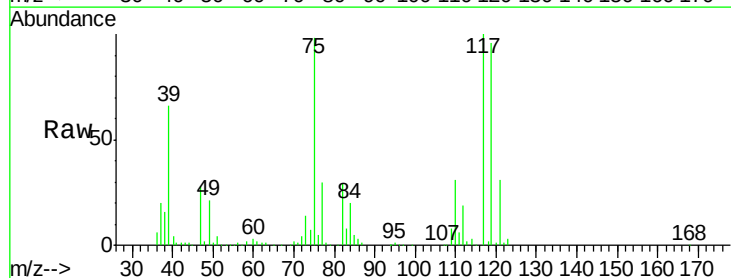
Manual Integrations
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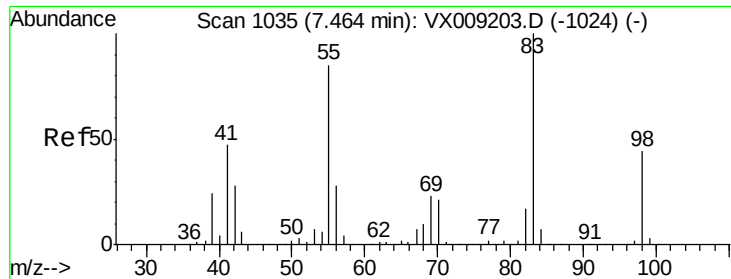
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#38
Carbon Tetrachloride
Concen: 41.426 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.5	116.3
121	31.1	24.7	37.1





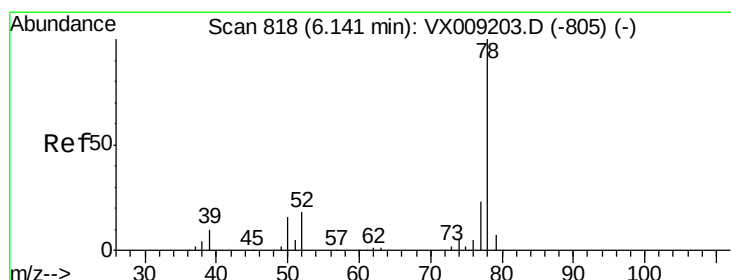
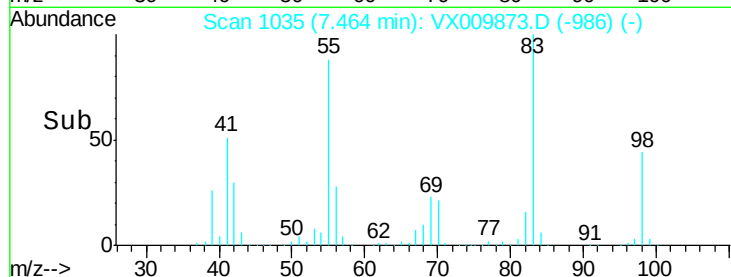
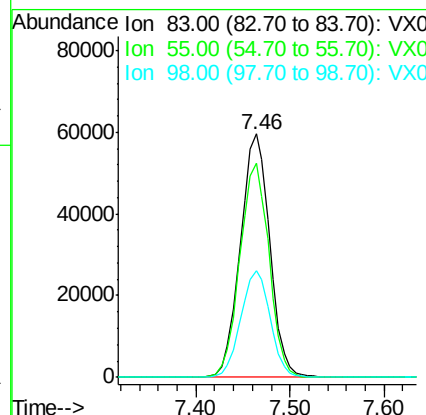
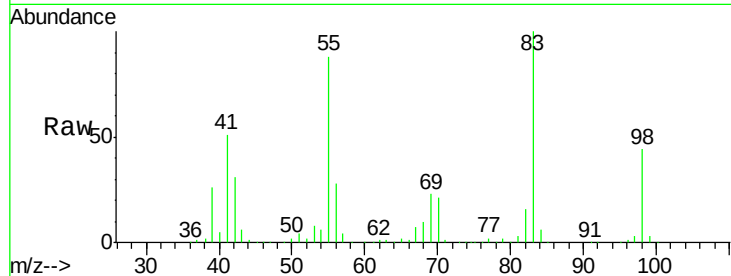
#39
Methylvlcyclohexane
Concen: 39.093 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.0	67.7	101.5
98	44.0	35.5	53.3

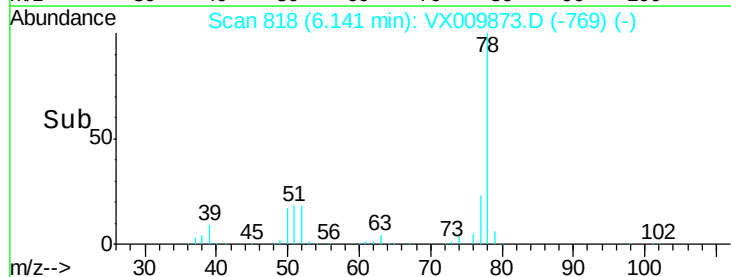
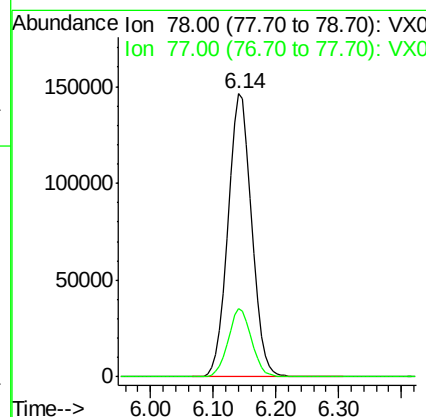
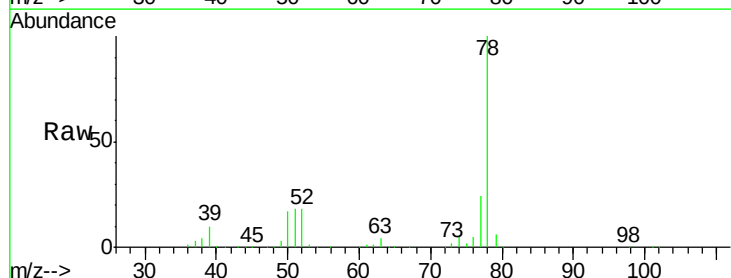
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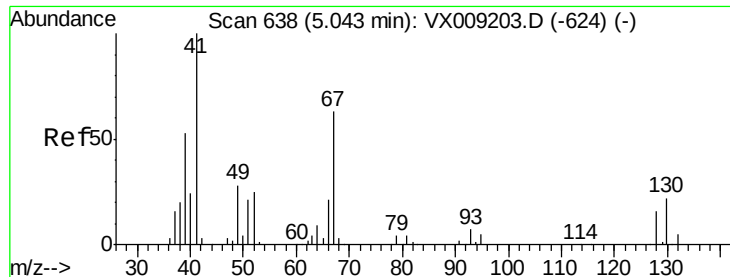
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#40
Benzene
Concen: 45.806 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2





#41

Methacrylonitrile

Concen: 48.023 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

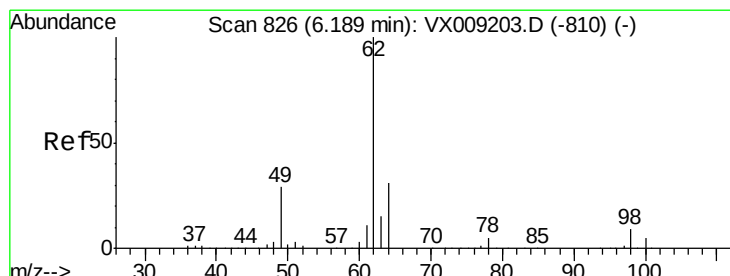
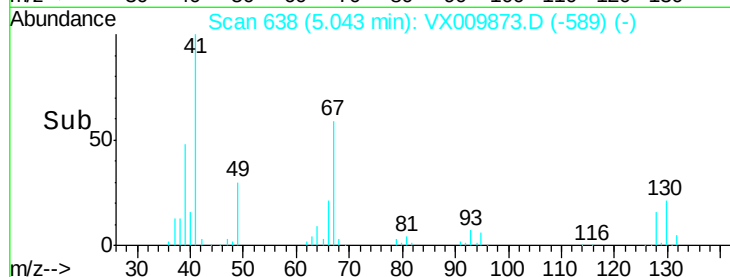
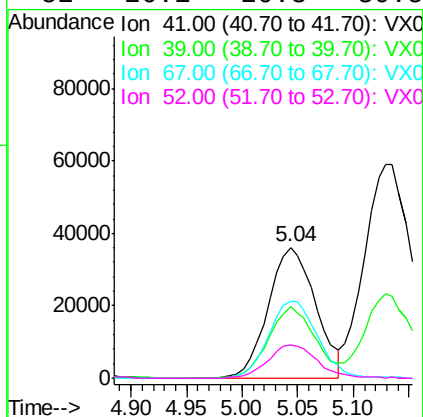
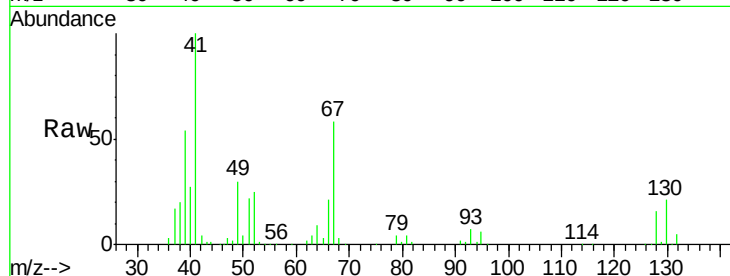
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	42.0	63.0	
67	61.1	49.8	74.8	
52	26.1	20.3	30.5	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 47.653 ug/l

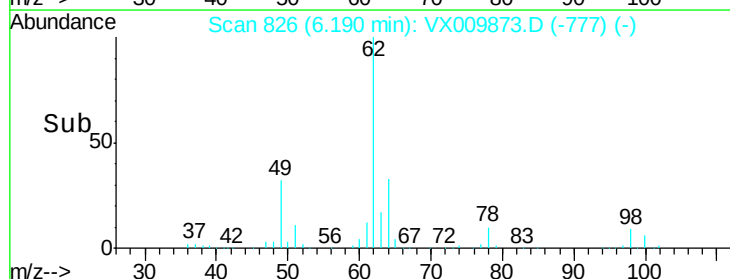
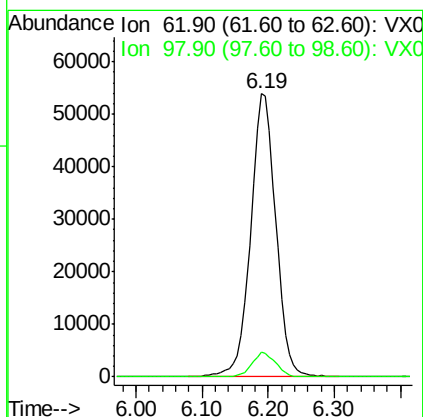
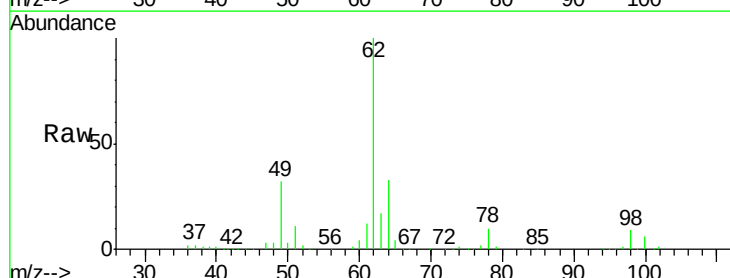
RT: 6.19 min Scan# 826

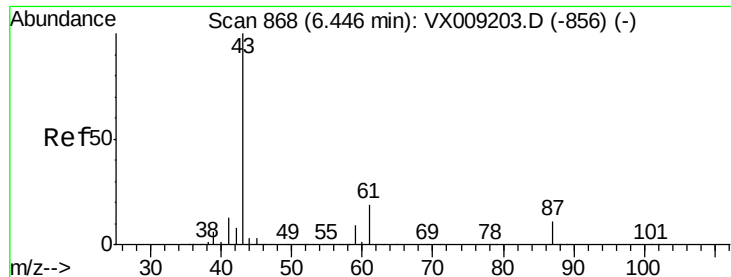
Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	18.2	





#43

Isopropyl Acetate

Concen: 50.424 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

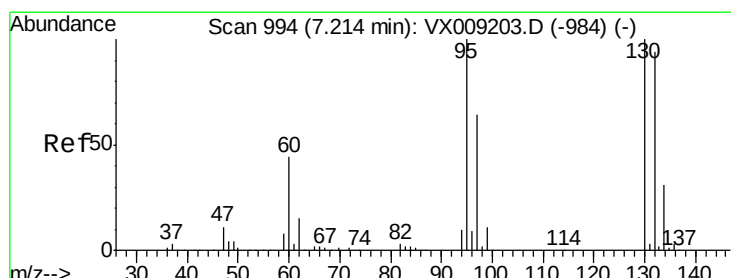
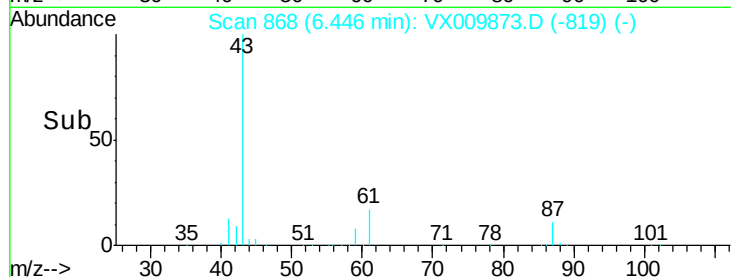
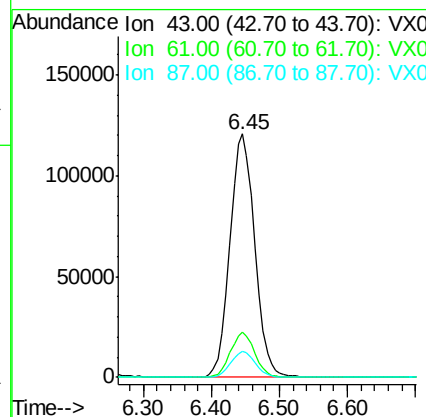
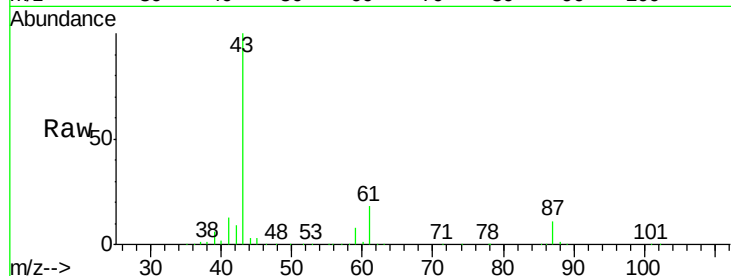
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	303127
Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.1	22.7
87	10.6	9.0	13.6

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#44

Trichloroethene

Concen: 42.668 ug/l

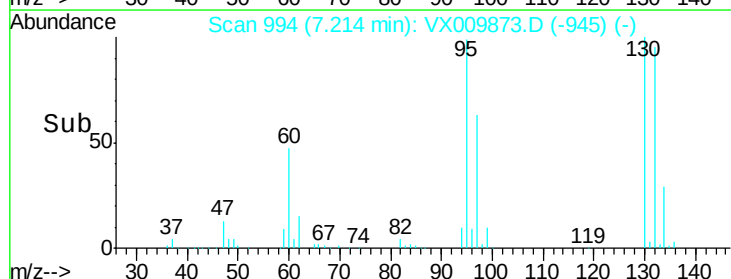
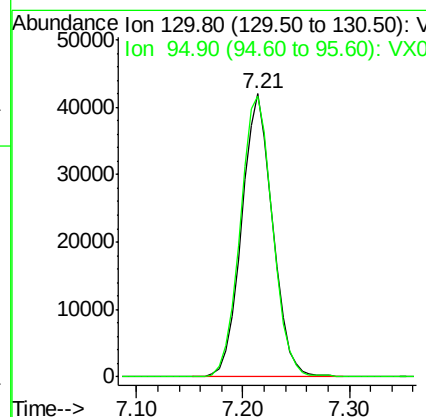
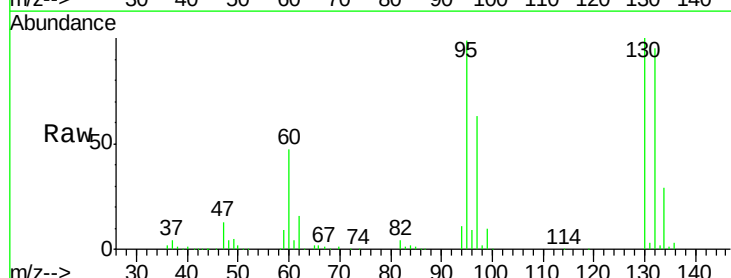
RT: 7.21 min Scan# 994

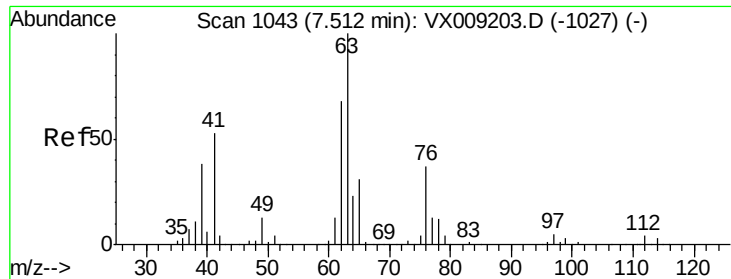
Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Tgt Ion:	130	Resp:	86109
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	199.2





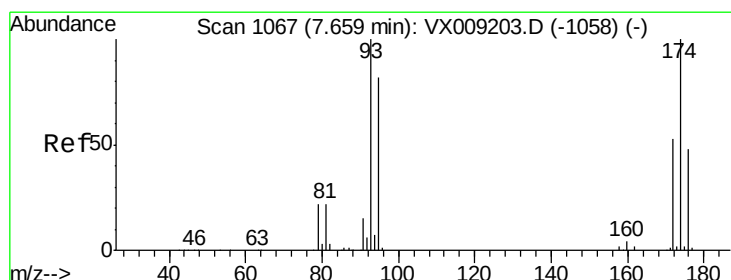
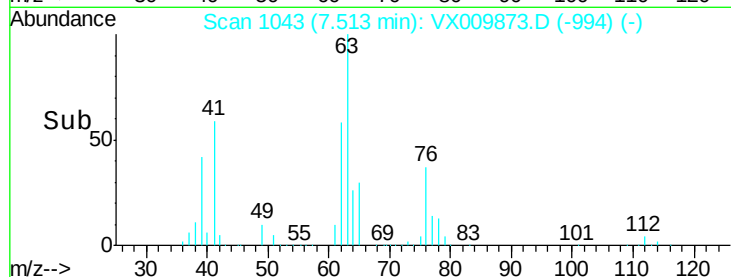
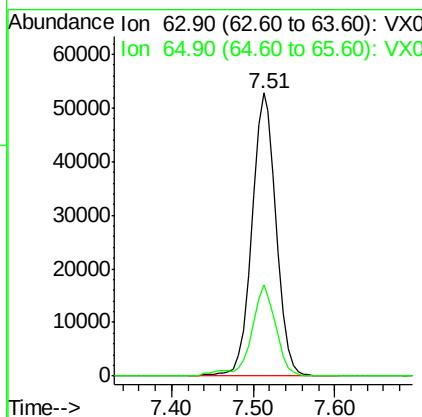
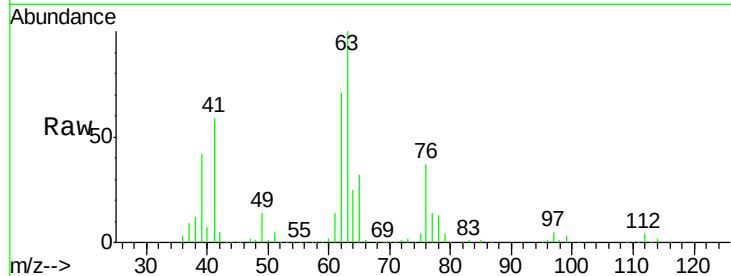
#45
 1,2-Dichloropropane
 Concen: 46.457 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009873.D
 Acq: 23 May 2019 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 109816
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.0 37.6

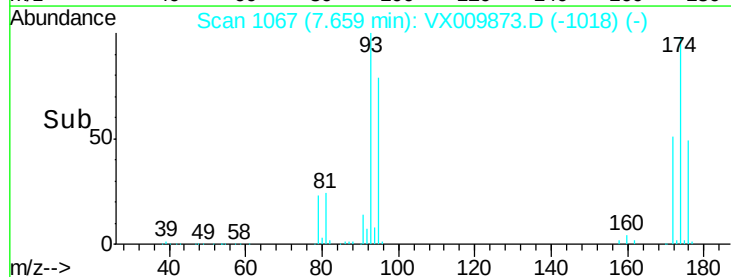
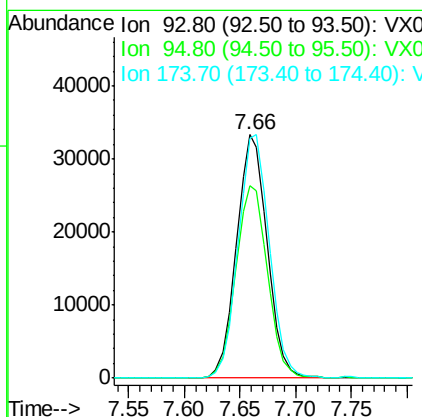
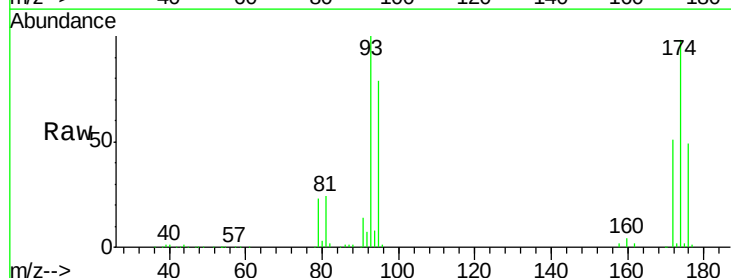
Manual Integrations
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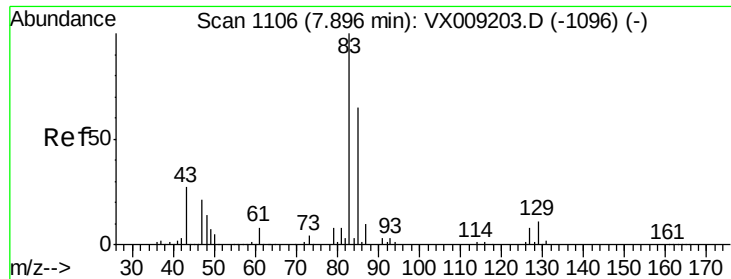
MMDadoda
 5/24/2019 9:02:21 AM



#46
 Dibromomethane
 Concen: 46.338 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009873.D
 Acq: 23 May 2019 20:58

Tgt Ion: 93 Resp: 63607
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.5 99.7
 174 101.8 82.1 123.1





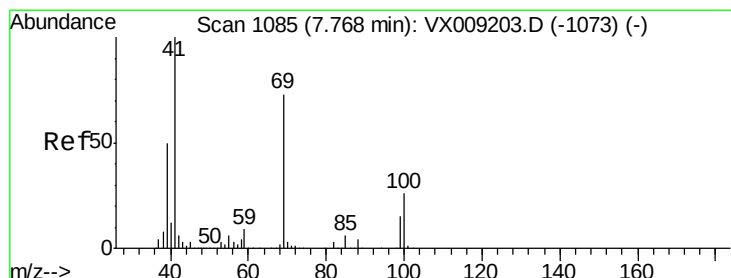
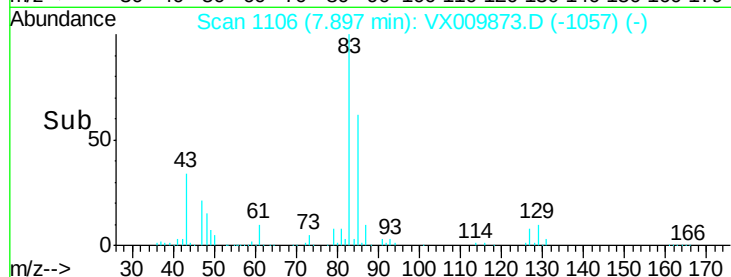
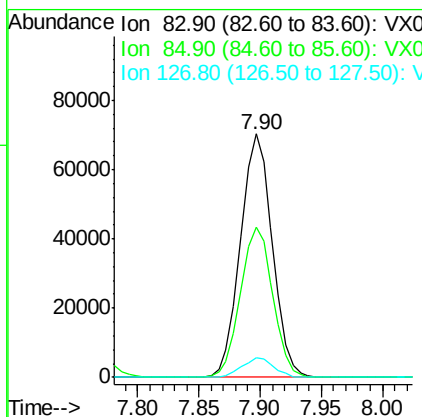
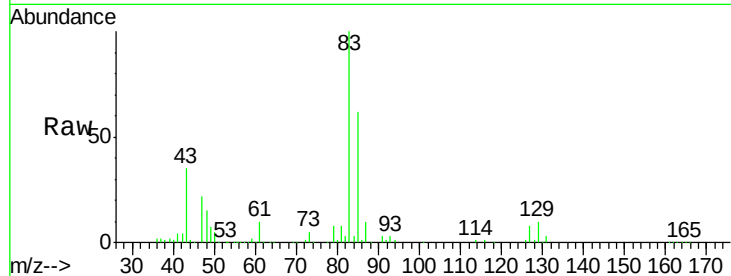
#47
Bromodichloromethane
Concen: 46.414 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	127088
Ion Ratio	100	Lower	Upper
83	100		
85	61.8	52.4	78.6
127	8.0	6.6	10.0

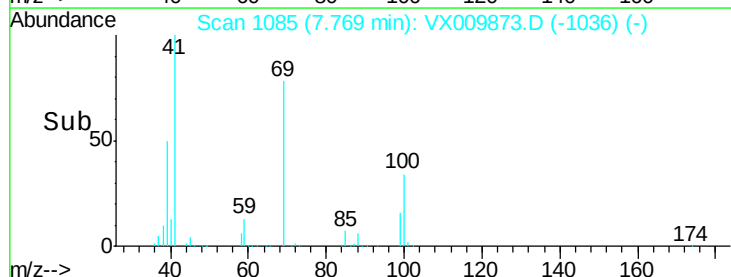
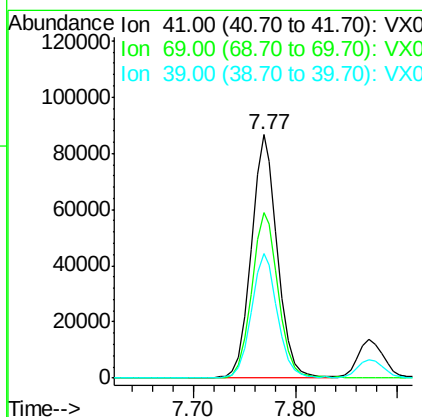
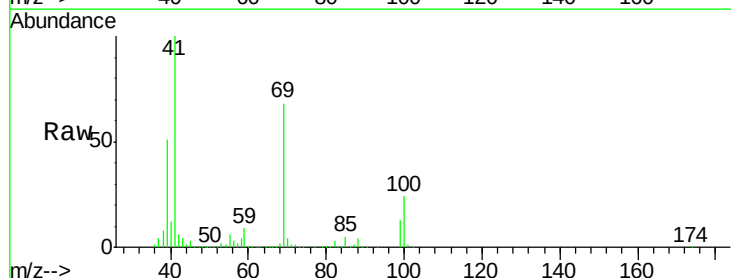
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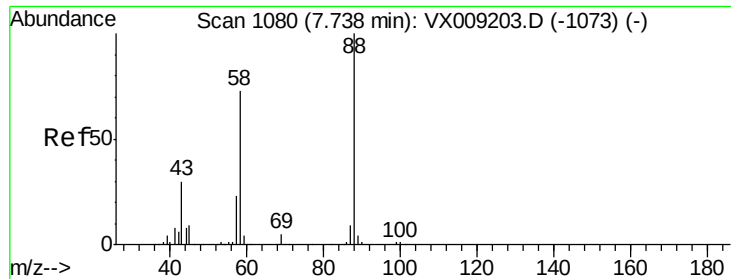
MMDadoda
5/24/2019 9:02:21 AM



#48
Methyl methacrylate
Concen: 51.543 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Tgt Ion	41	Resp	153726
Ion Ratio	100	Lower	Upper
41	100		
69	70.1	59.1	88.7
39	51.1	40.4	60.6





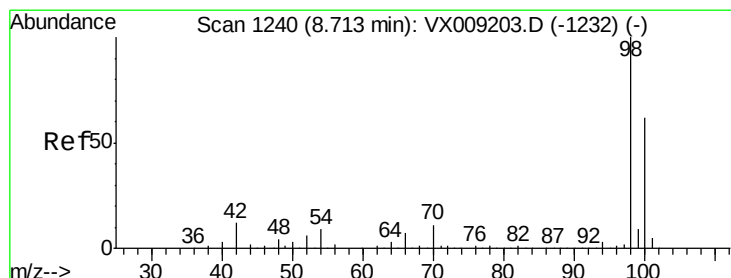
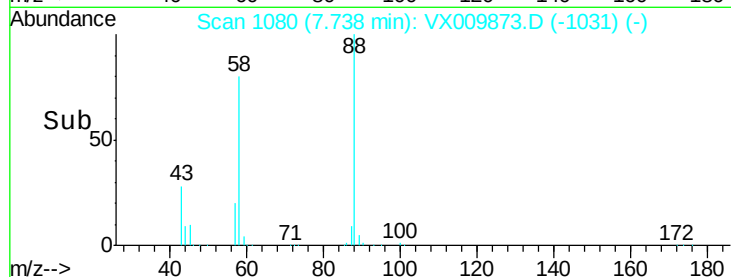
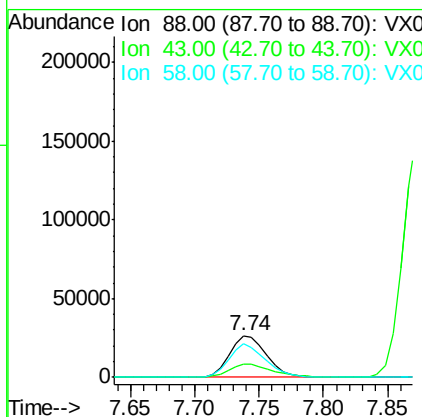
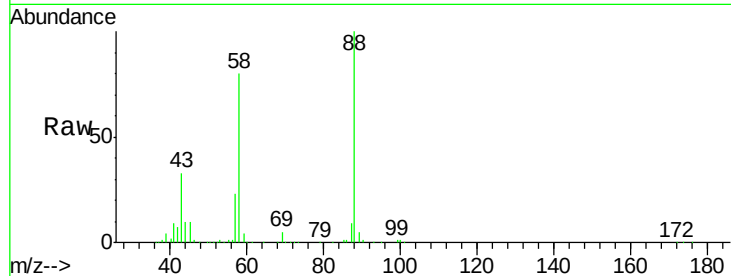
#49
 1,4-Dioxane
 Concen: 868.639 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX009873.D
 Acq: 23 May 2019 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.7	28.6	42.8
58	79.9	61.7	92.5

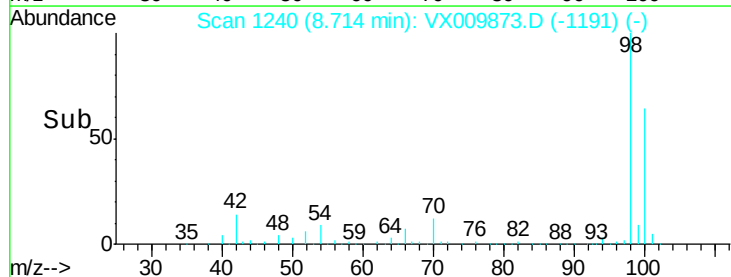
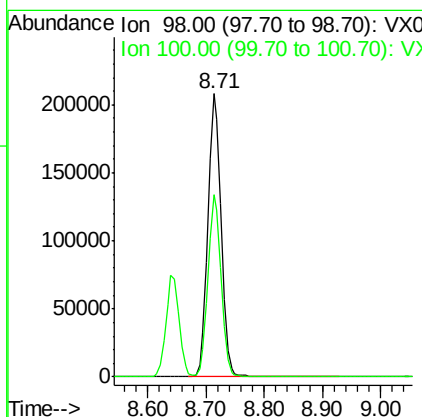
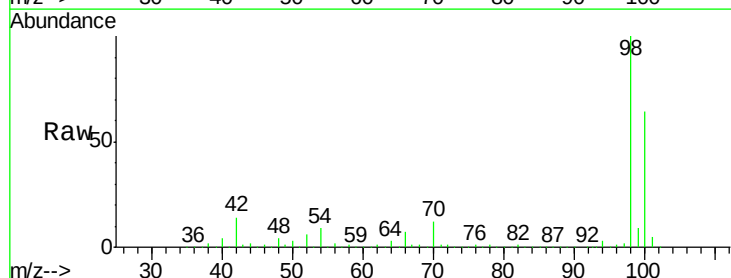
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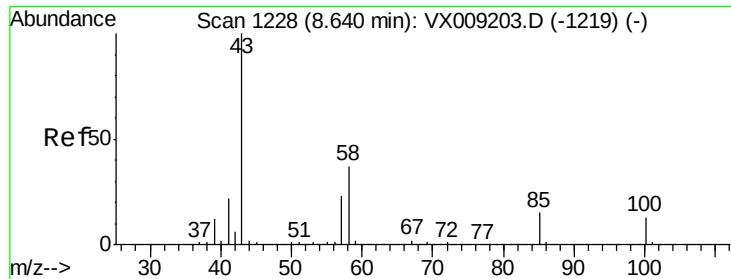
MMDadoda
 5/24/2019 9:02:21 AM



#50
 Toluene-d8
 Concen: 45.002 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009873.D
 Acq: 23 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 253.237 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 995040

Ion Ratio Lower Upper

43 100

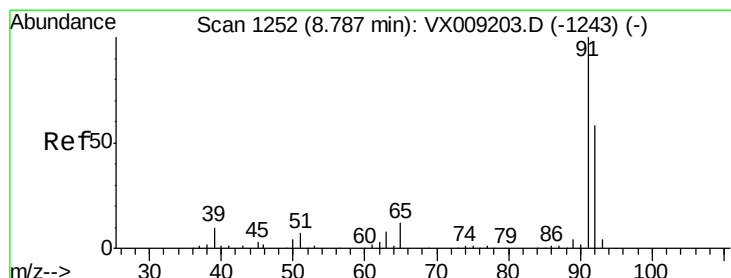
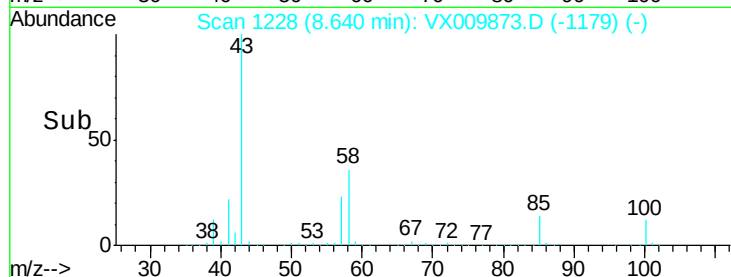
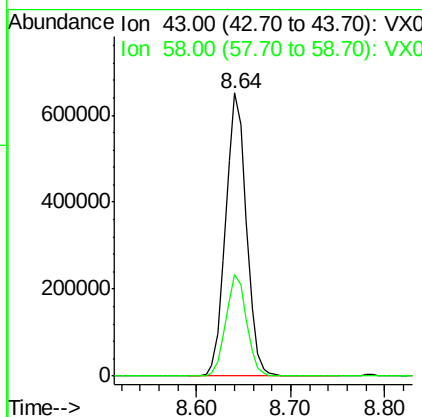
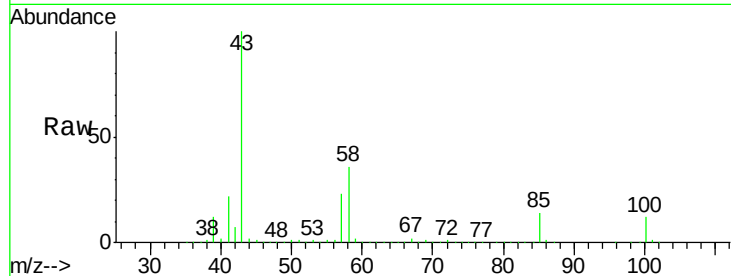
58 35.7 29.5 44.3

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#52

Toluene

Concen: 45.402 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009873.D

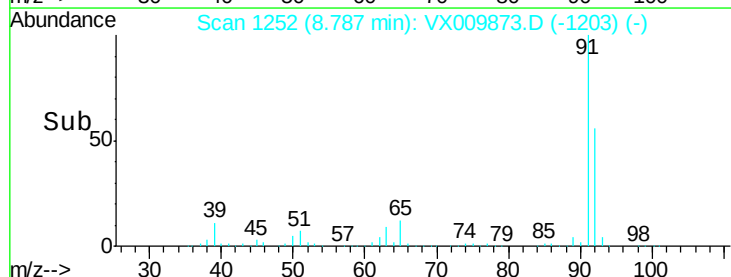
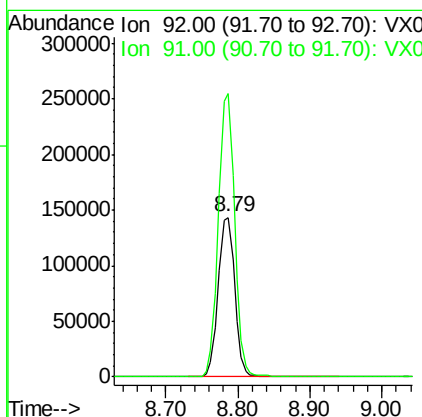
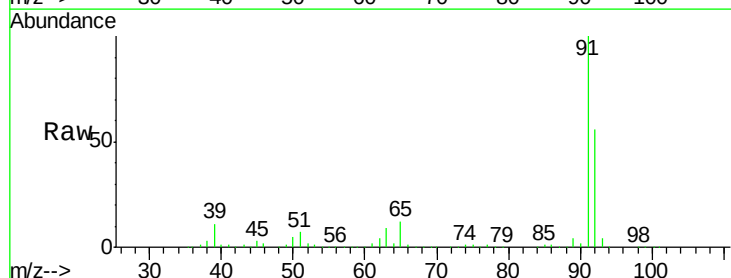
Acq: 23 May 2019 20:58

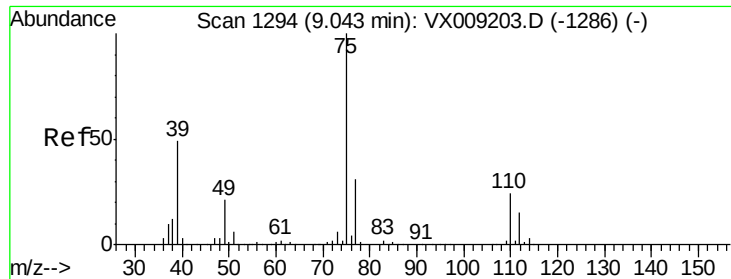
Tgt Ion: 92 Resp: 230395

Ion Ratio Lower Upper

92 100

91 174.6 138.8 208.2





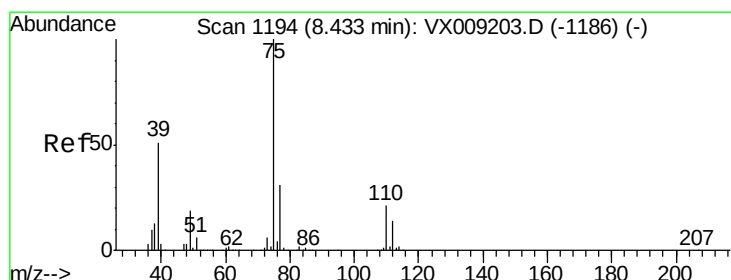
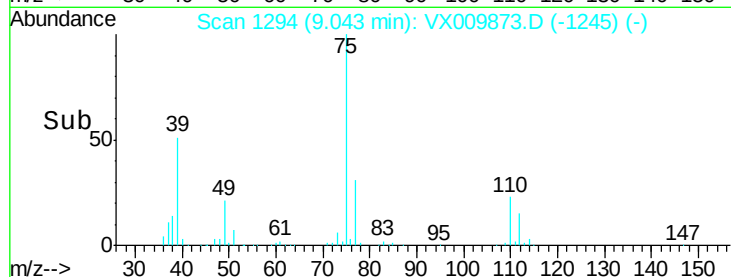
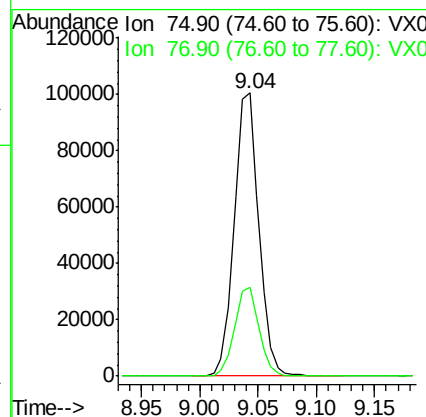
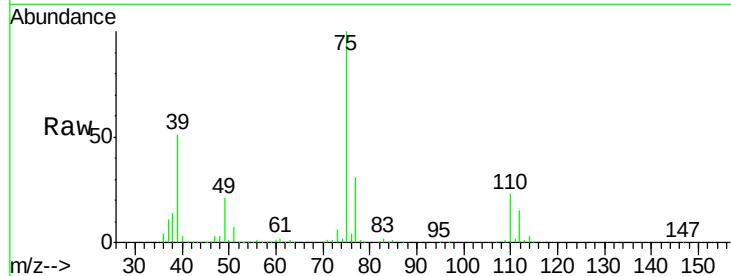
#53
t-1,3-Dichloropropene
Concen: 47.851 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6

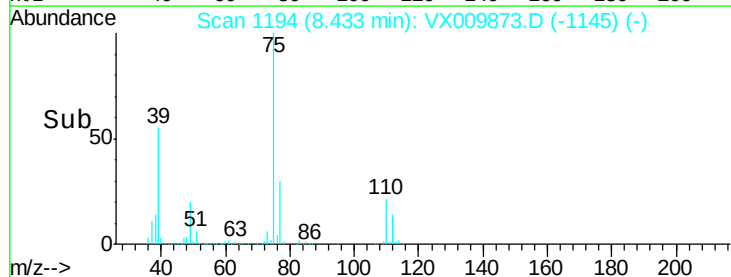
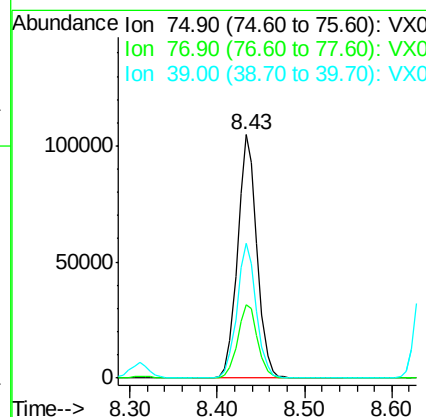
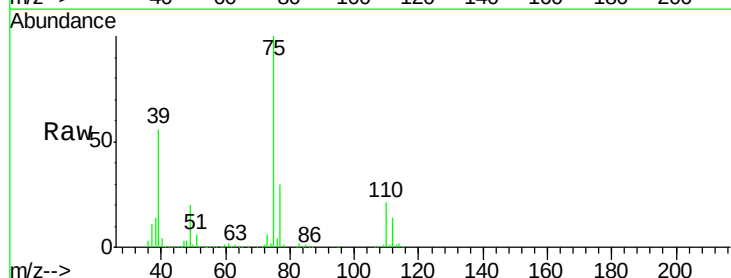
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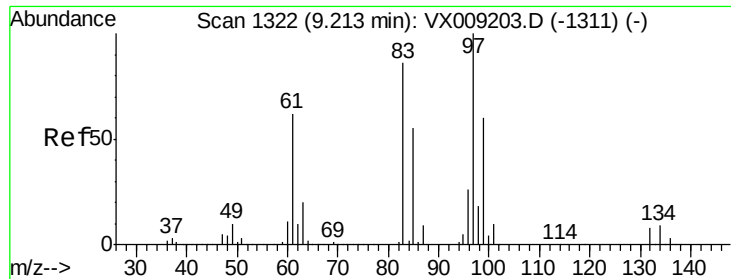
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 47.467 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.6	36.8
39	55.4	40.6	60.8





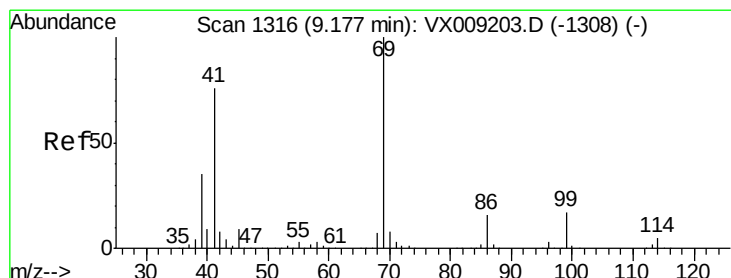
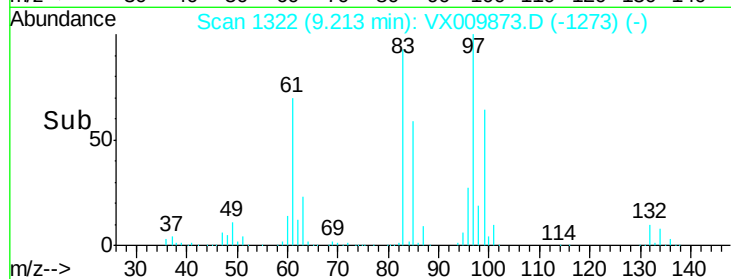
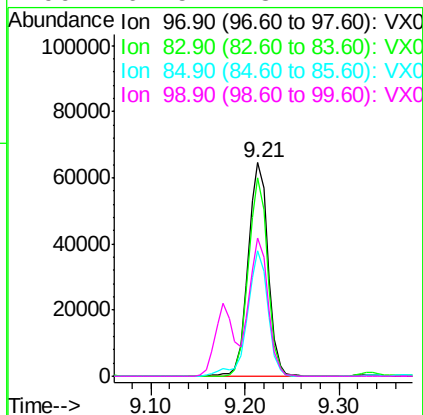
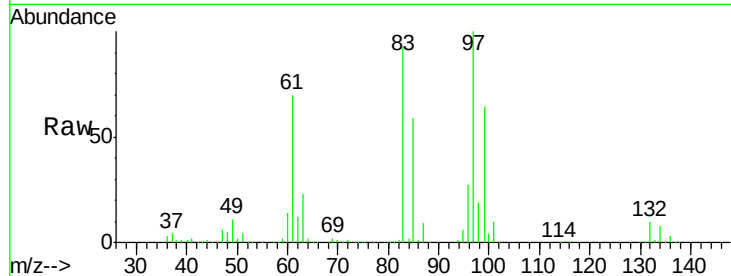
#55
 1,1,2-Trichloroethane
 Concen: 46.192 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009873.D
 Acq: 23 May 2019 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	95630
Ion	Ratio	Lower	Upper
97	100		
83	93.0	68.9	103.3
85	58.8	43.8	65.6
99	64.5	48.2	72.2

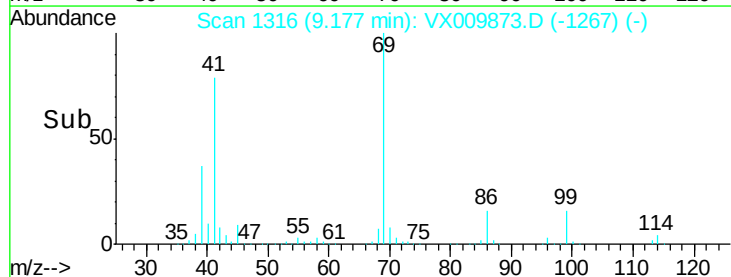
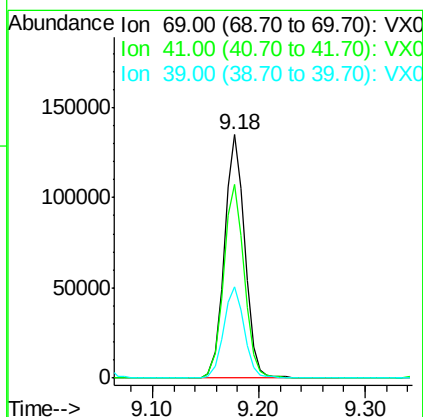
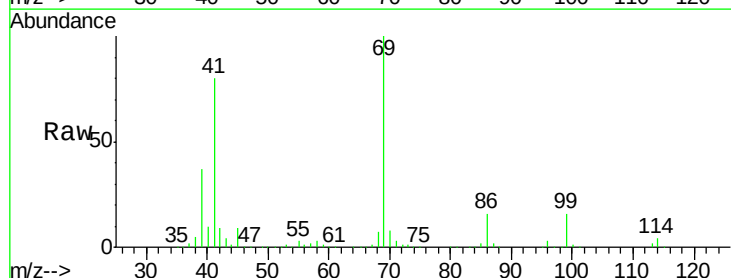
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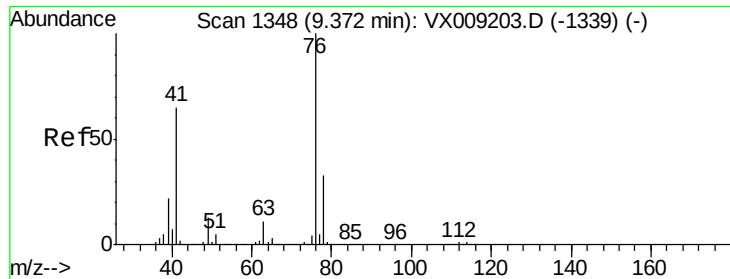
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 5/24/2019 9:02:21 AM



#56
 Ethyl methacrylate
 Concen: 49.048 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009873.D
 Acq: 23 May 2019 20:58

Tgt Ion:	69	Resp:	181259
Ion	Ratio	Lower	Upper
69	100		
41	80.1	60.6	90.8
39	37.7	28.2	42.4





#57

1,3-Dichloropropane

Concen: 46.882 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 170796

Ion Ratio Lower Upper

76 100

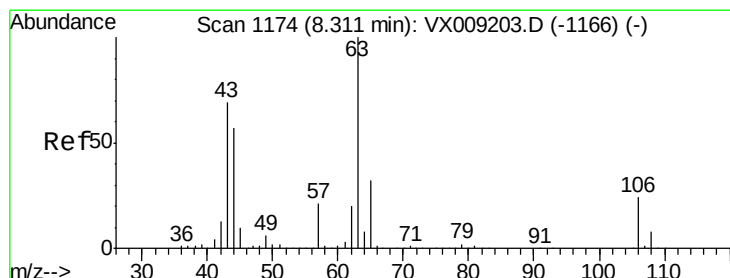
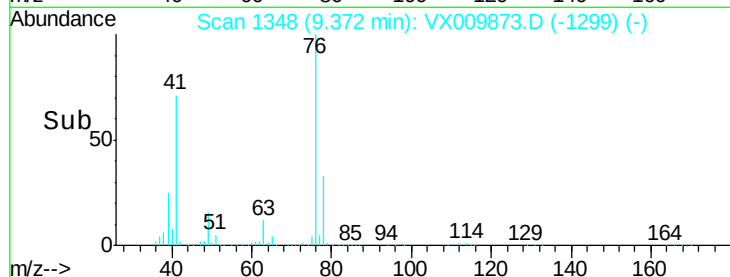
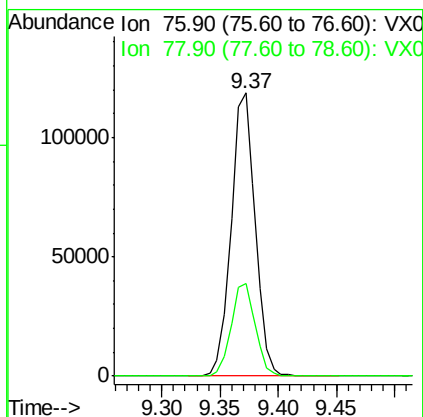
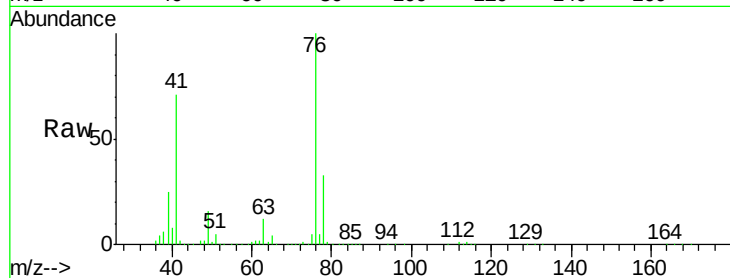
78 32.8 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 232.668 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009873.D

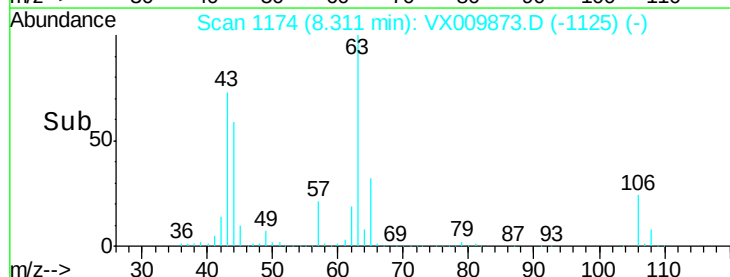
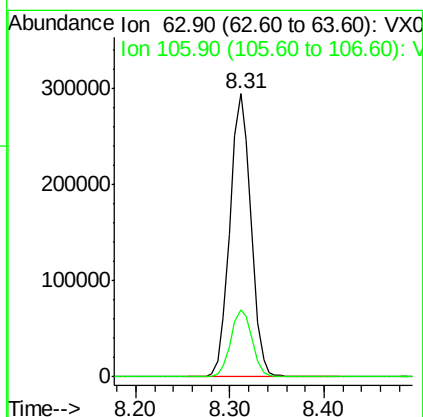
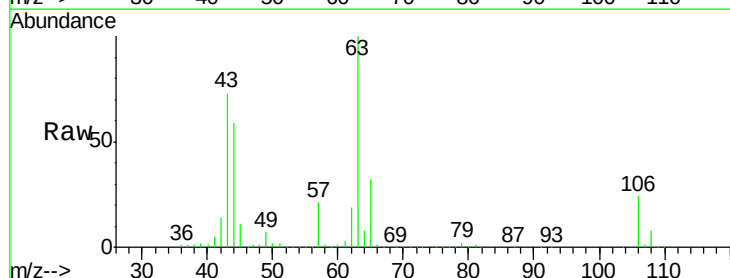
Acq: 23 May 2019 20:58

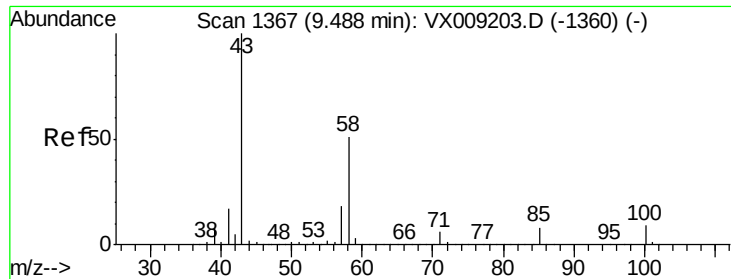
Tgt Ion: 63 Resp: 456137

Ion Ratio Lower Upper

63 100

106 24.1 19.7 29.5





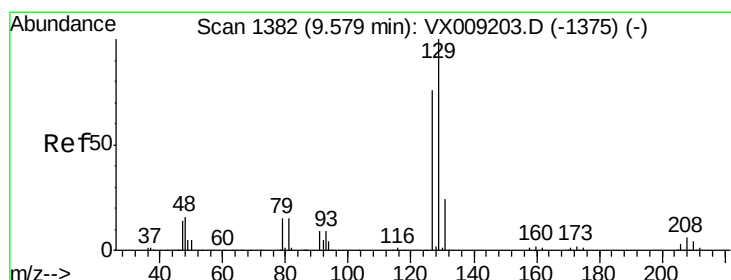
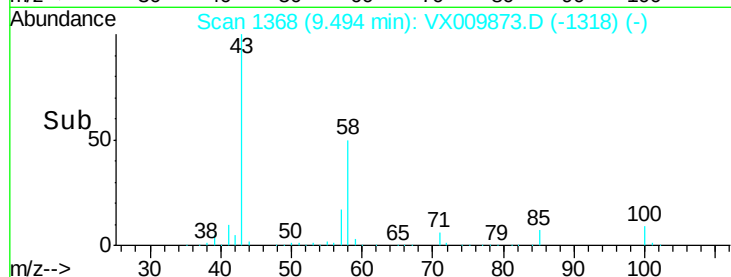
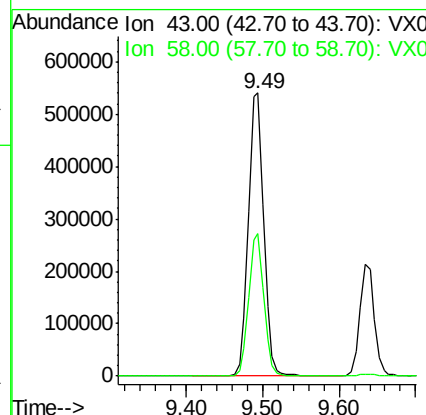
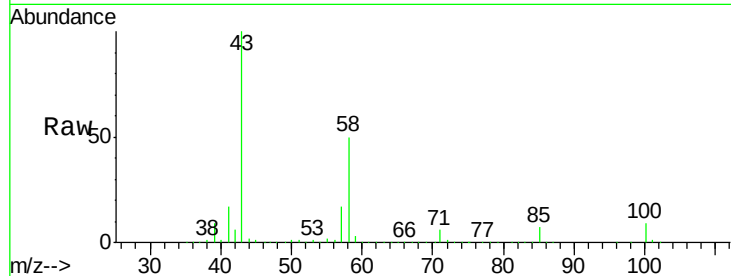
#59
2-Hexanone
Concen: 243.284 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 750778
Ion Ratio Lower Upper
43 100
58 49.7 25.9 77.7

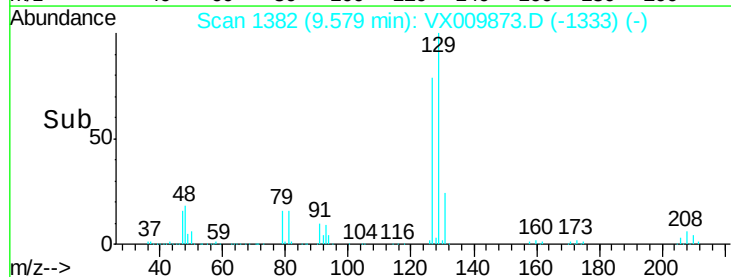
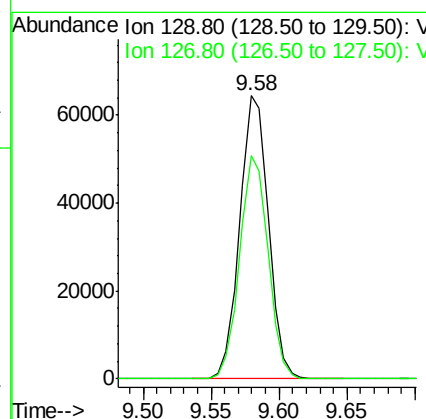
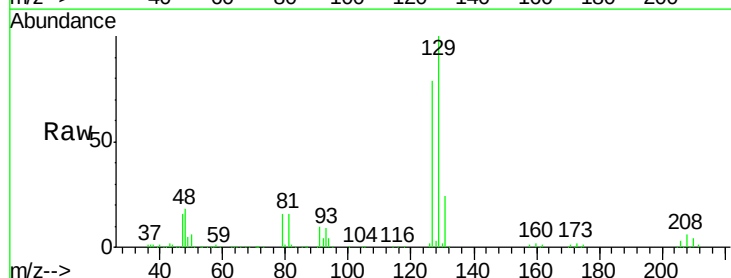
Manual Integrations
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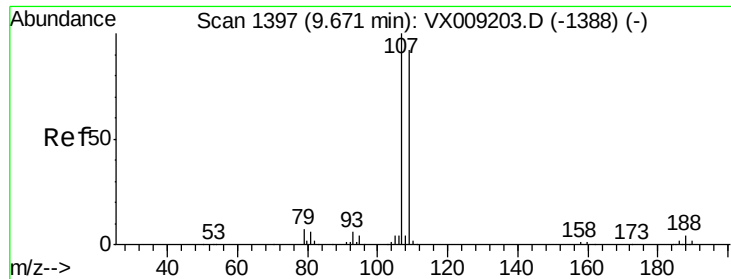
MMDadoda
5/24/2019 9:02:21 AM



#60
Dibromochloromethane
Concen: 46.845 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Tgt Ion: 129 Resp: 94720
Ion Ratio Lower Upper
129 100
127 78.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 47.320 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 98889

Ion Ratio Lower Upper

107 100

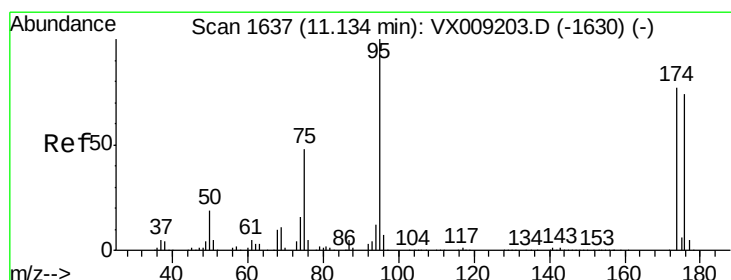
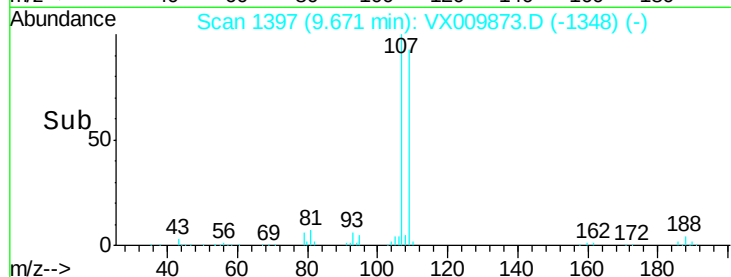
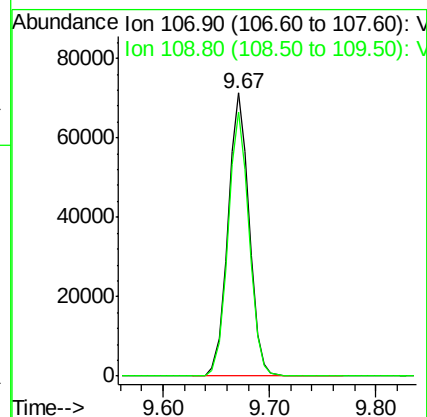
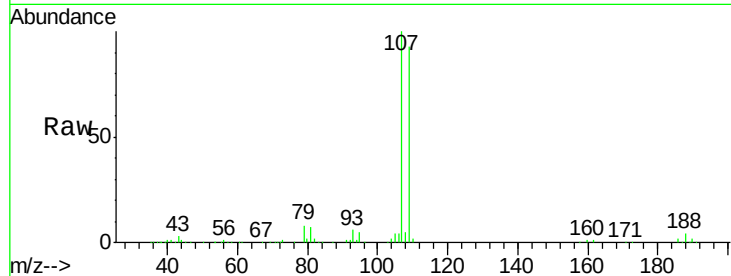
109 93.0 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

5/24/2019 9:02:21 AM



#62

4-Bromofluorobenzene

Concen: 45.834 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

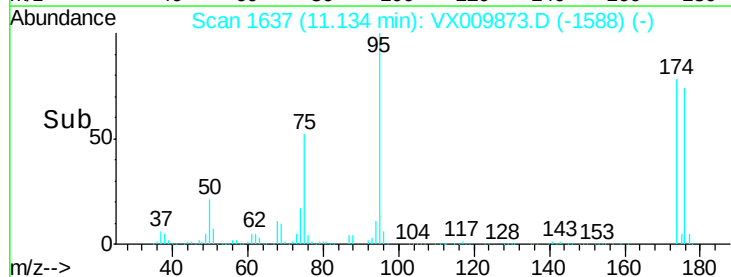
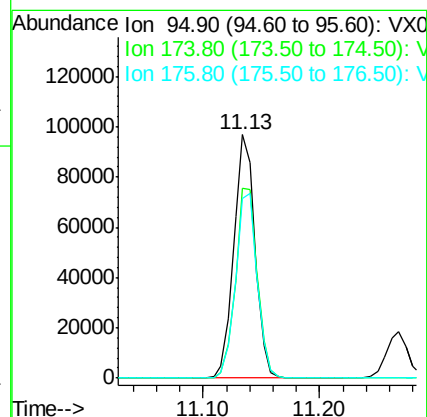
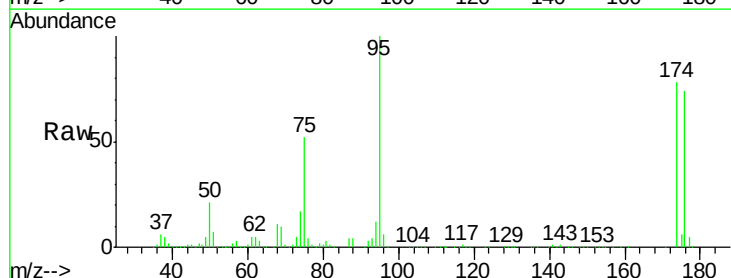
Tgt Ion: 95 Resp: 122686

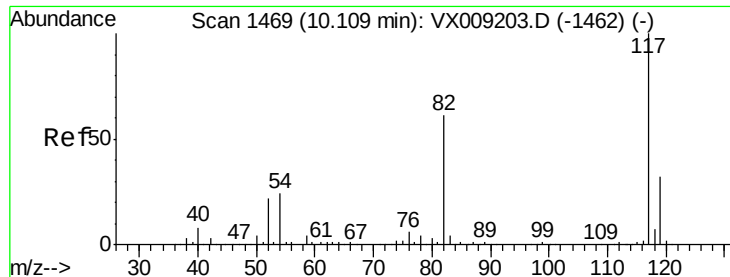
Ion Ratio Lower Upper

95 100

174 80.0 0.0 161.6

176 77.4 0.0 159.2





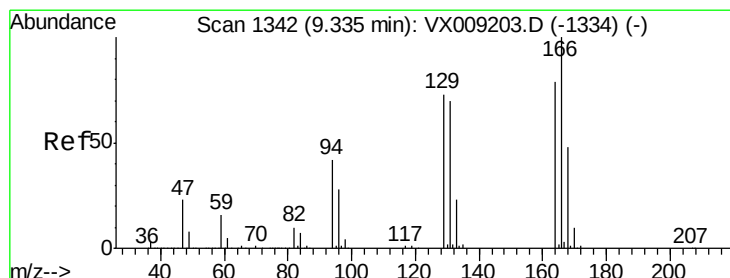
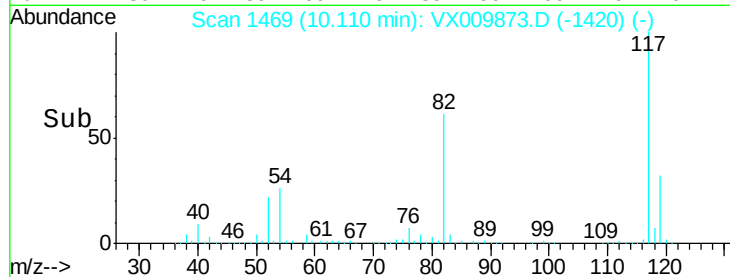
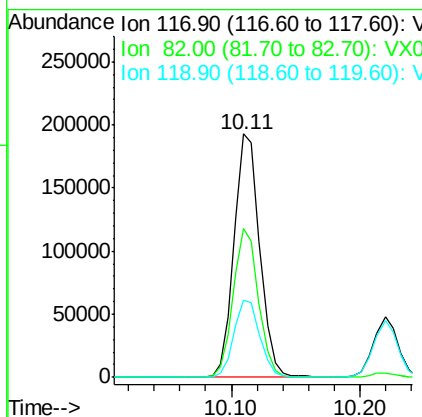
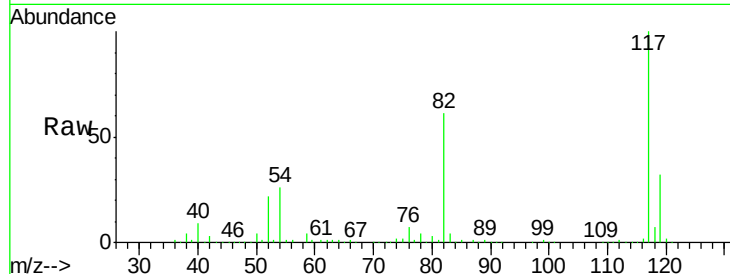
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	48.8	73.2
119	31.8	25.8	38.6

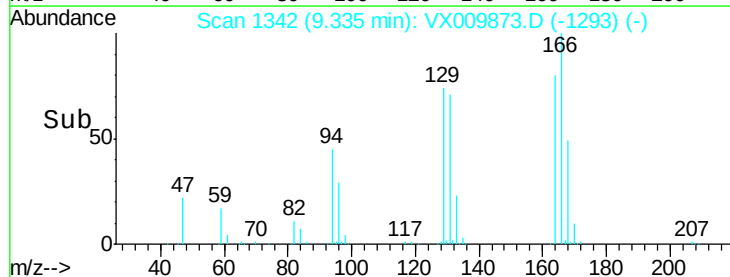
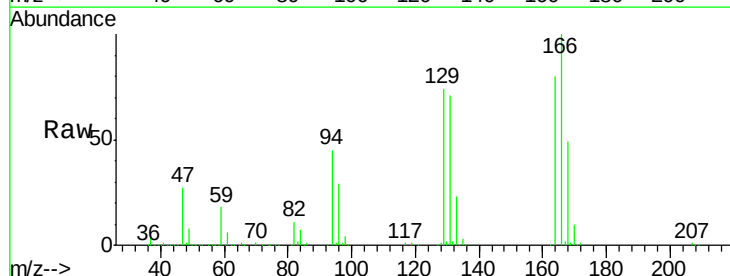
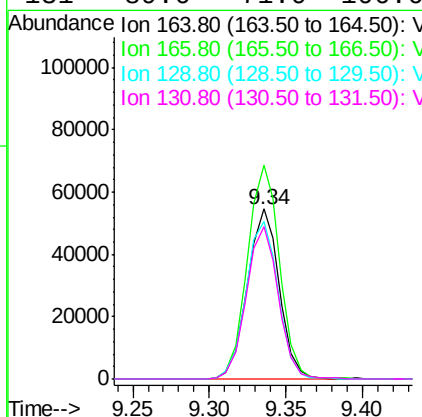
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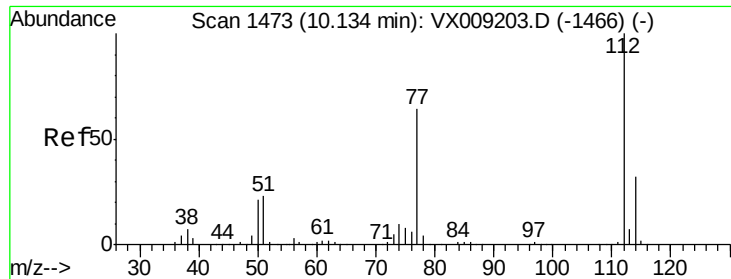
MMDadoda
5/24/2019 9:02:21 AM



#64
Tetrachloroethene
Concen: 42.781 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	101.2	151.8
129	92.9	74.3	111.5
131	89.6	71.0	106.6





#65

Chlorobenzene

Concen: 44.939 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 241301

Ion Ratio Lower Upper

112 100

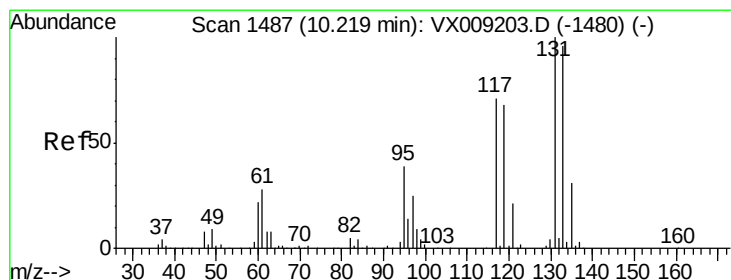
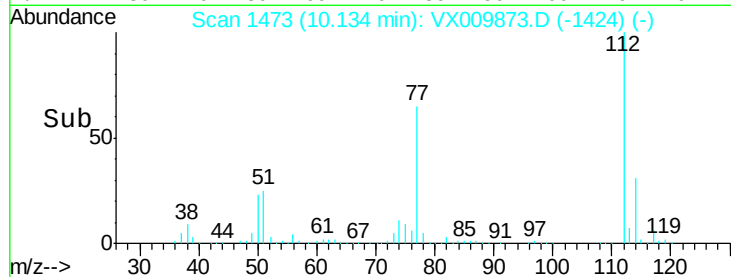
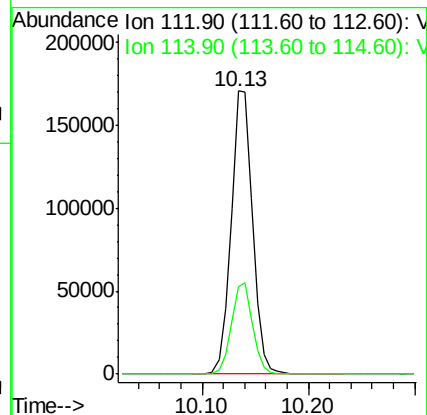
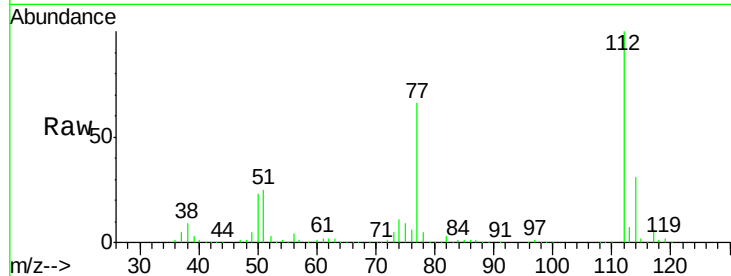
114 30.9 25.5 38.3

Manual Integrations

APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 44.736 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

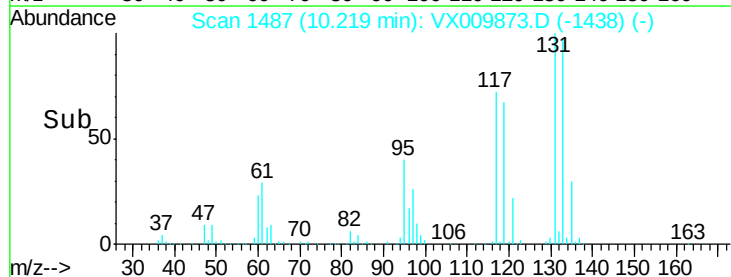
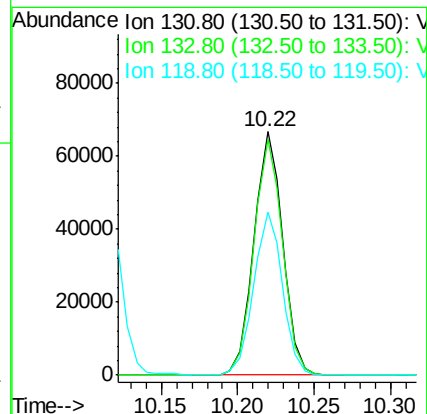
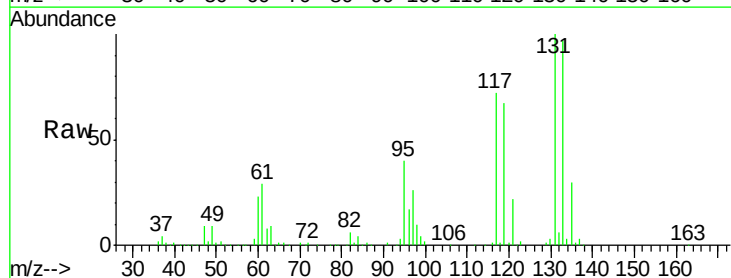
Tgt Ion:131 Resp: 87086

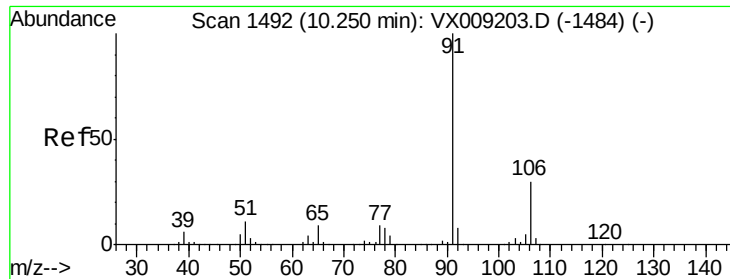
Ion Ratio Lower Upper

131 100

133 96.5 47.7 143.1

119 67.1 33.5 100.4





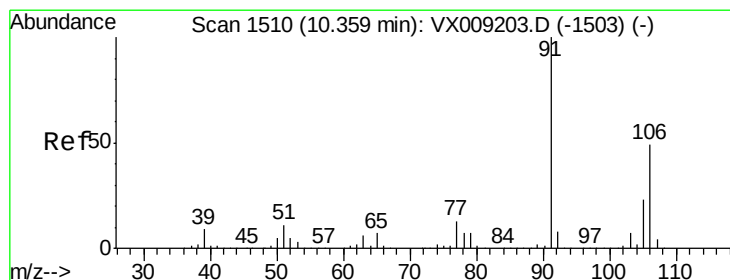
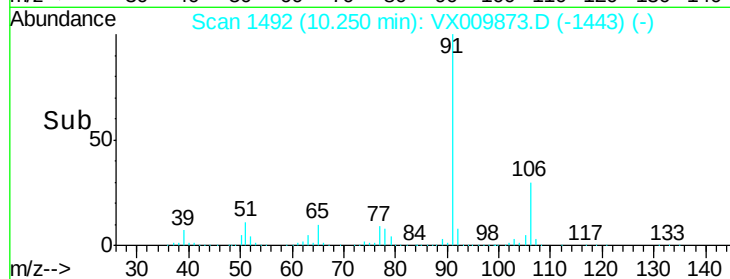
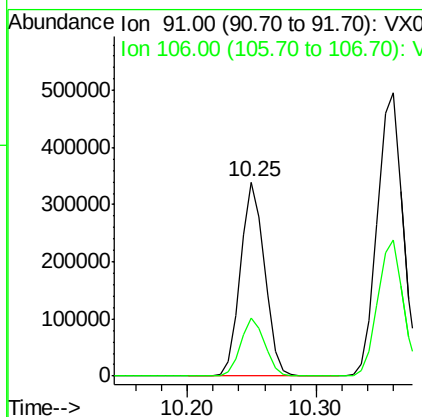
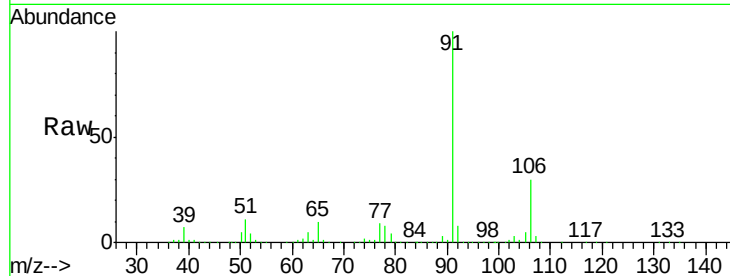
#67
Ethyl Benzene
Concen: 44.757 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 442288
Ion Ratio Lower Upper
91 100
106 29.7 24.0 36.0

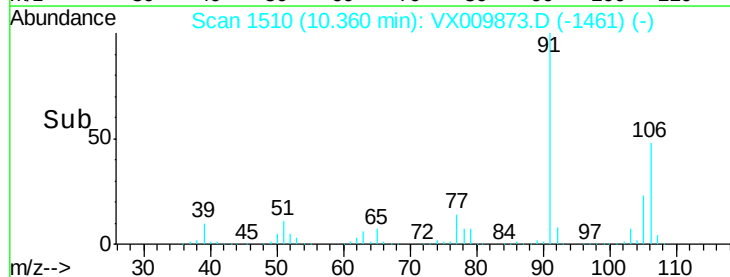
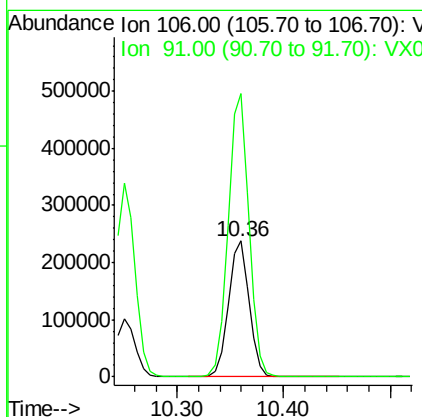
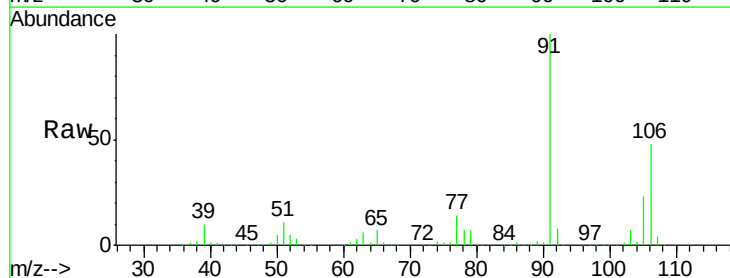
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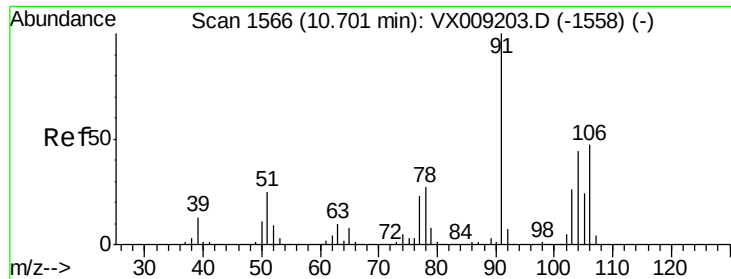
MMDadoda
5/24/2019 9:02:21 AM



#68
m/p-Xylenes
Concen: 89.479 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Tgt Ion: 106 Resp: 323127
Ion Ratio Lower Upper
106 100
91 209.4 164.0 246.0





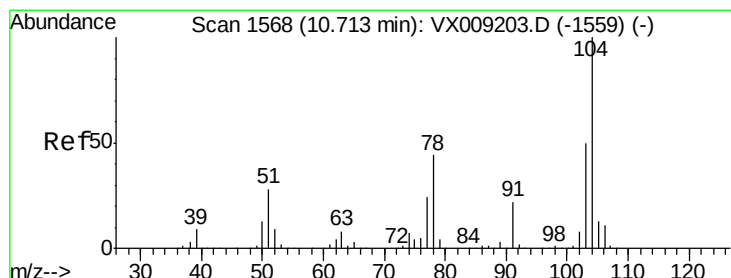
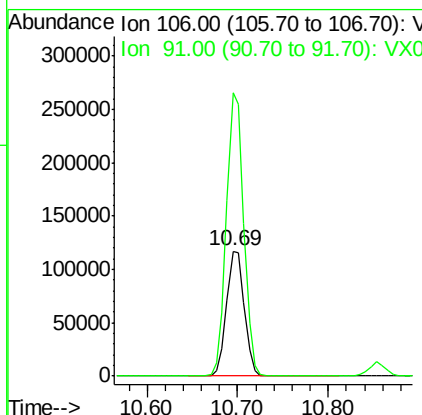
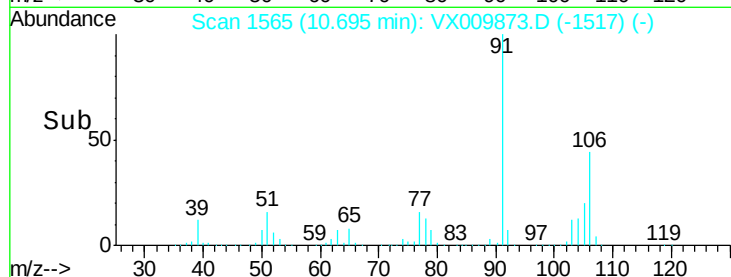
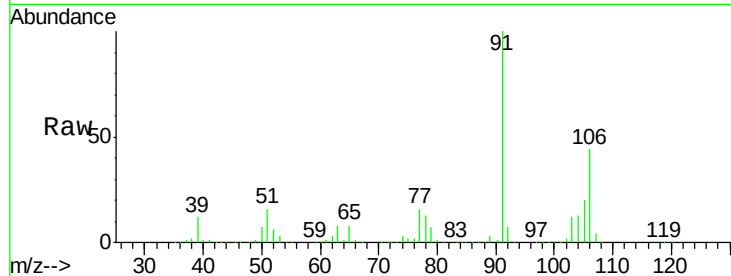
#69
o-Xylene
Concen: 44.828 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 159722
Ion Ratio Lower Upper
106 100
91 221.3 109.5 328.4

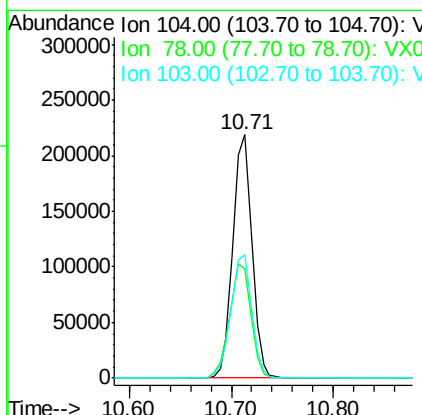
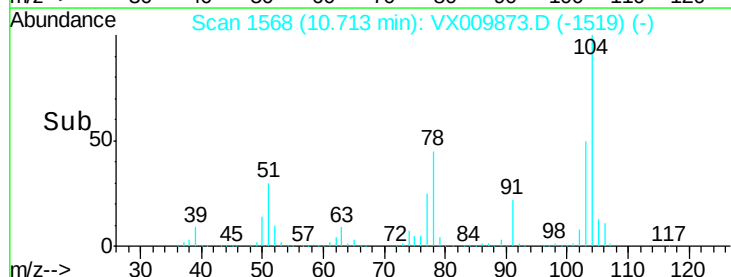
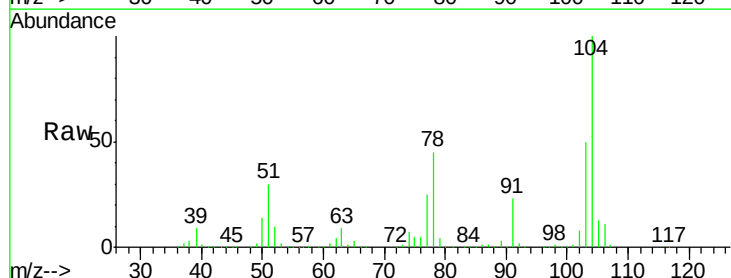
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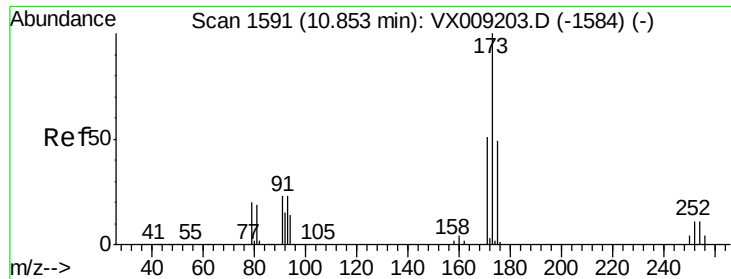
MMDadoda
5/24/2019 9:02:21 AM



#70
Styrene
Concen: 45.729 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Tgt Ion:104 Resp: 283187
Ion Ratio Lower Upper
104 100
78 52.5 41.0 61.4
103 55.3 43.8 65.6





#71

Bromoform

Concen: 46.011 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 72788

Ion Ratio Lower Upper

173 100

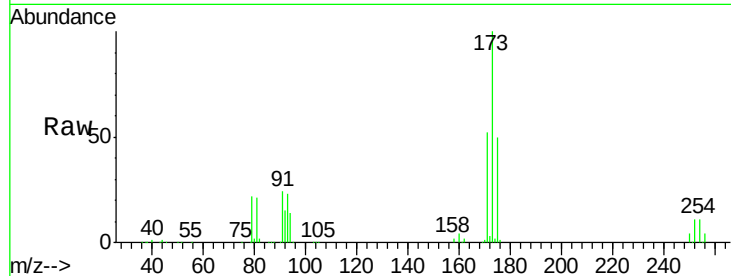
175 48.9 24.5 73.5

254 0.3 0.1 0.1#

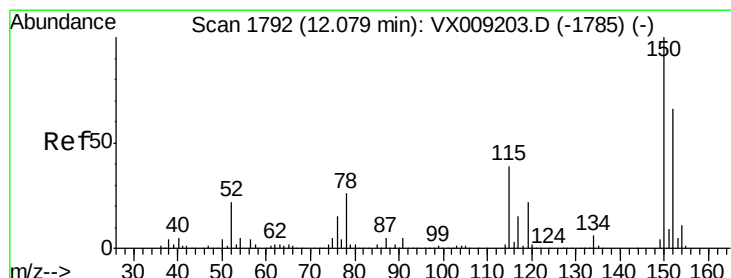
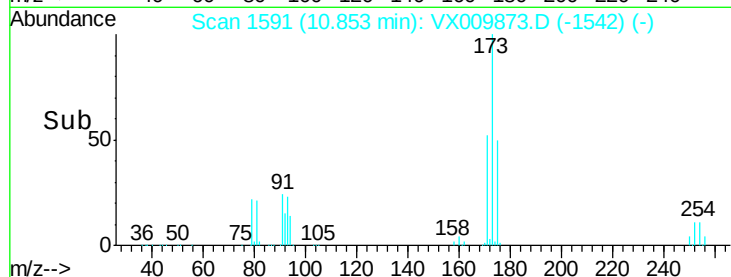
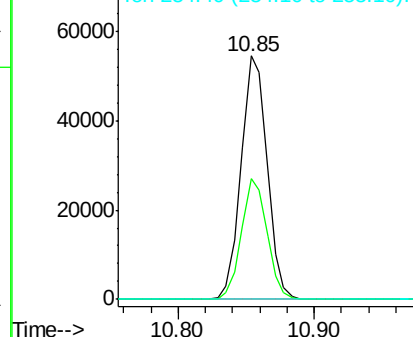
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

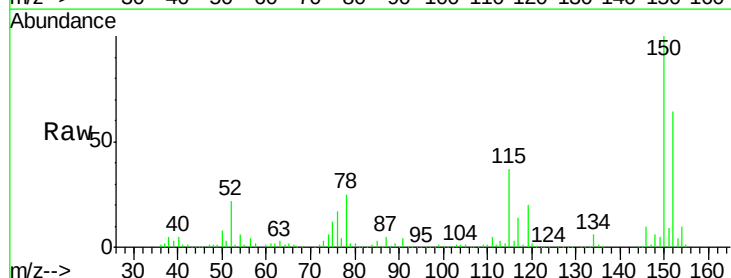
Tgt Ion:152 Resp: 129319

Ion Ratio Lower Upper

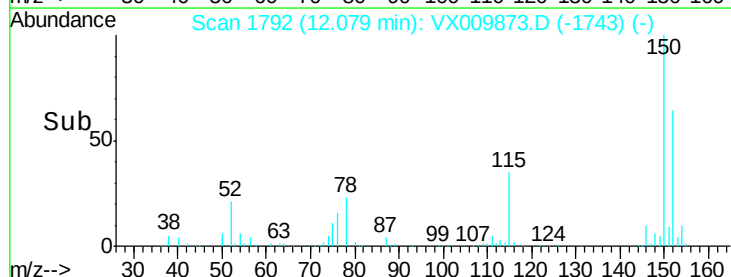
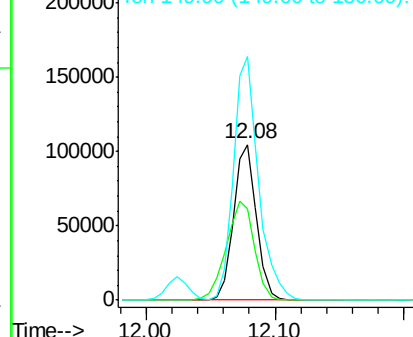
152 100

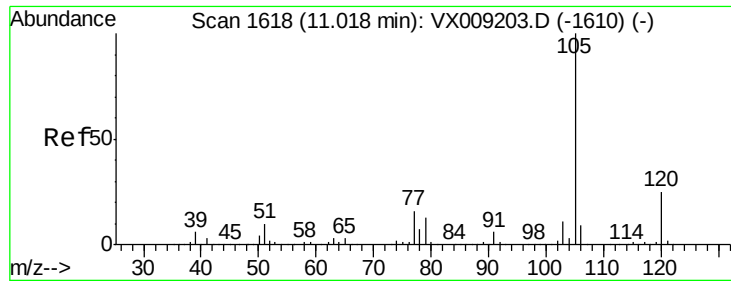
115 78.6 41.2 123.6

150 171.8 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: 43.755 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 411473

Ion Ratio Lower Upper

105 100

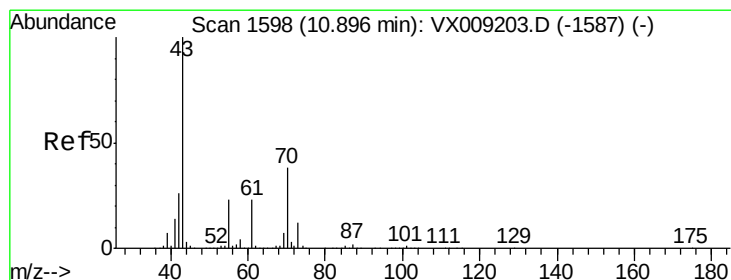
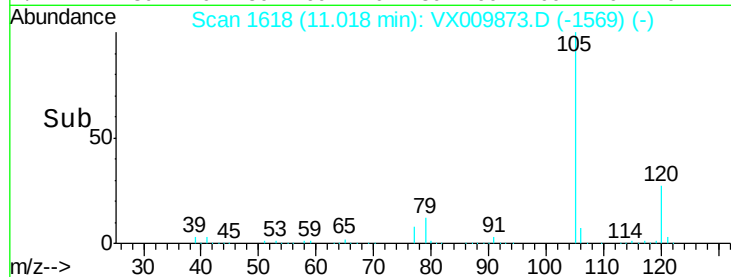
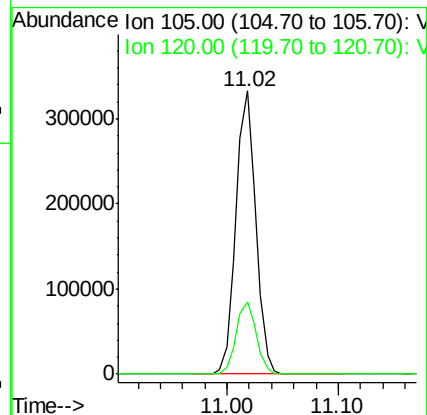
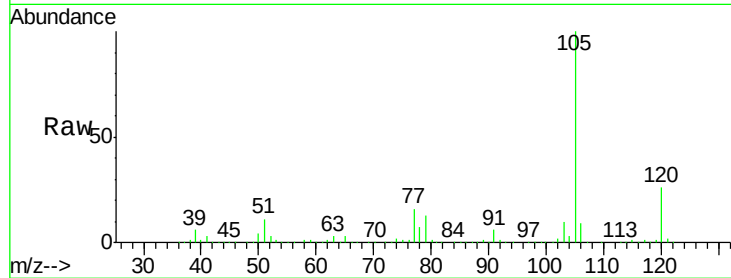
120 25.7 12.8 38.3

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#74

N-ethyl acetate

Concen: 49.068 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Tgt Ion: 43 Resp: 269022

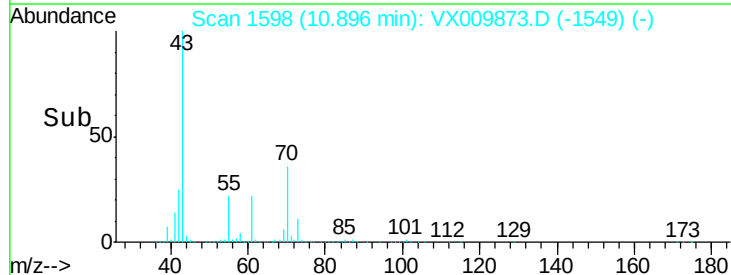
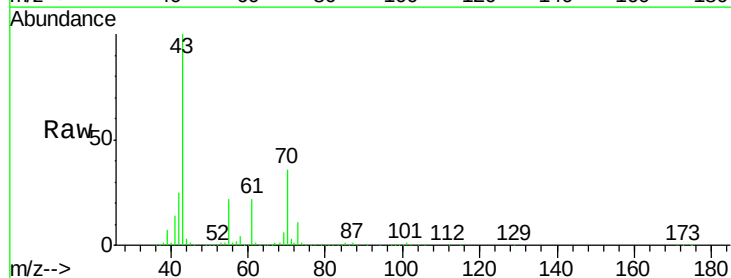
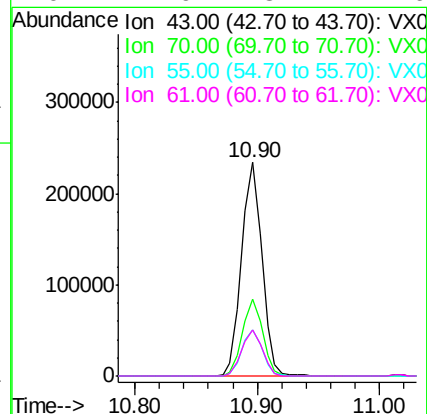
Ion Ratio Lower Upper

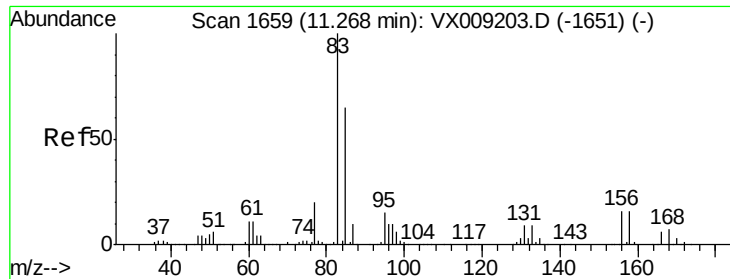
43 100

70 36.0 30.0 45.0

55 22.0 17.9 26.9

61 21.9 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 45.021 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

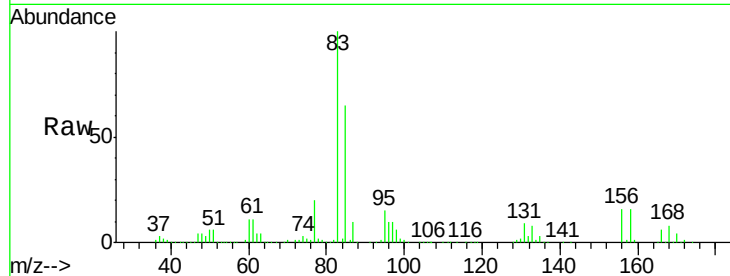
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	157829
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.6	13.8
85	64.4	32.0	96.2

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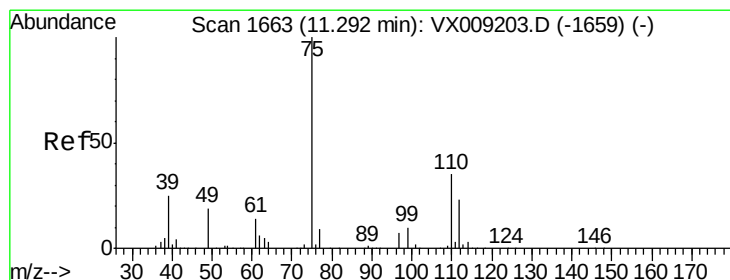
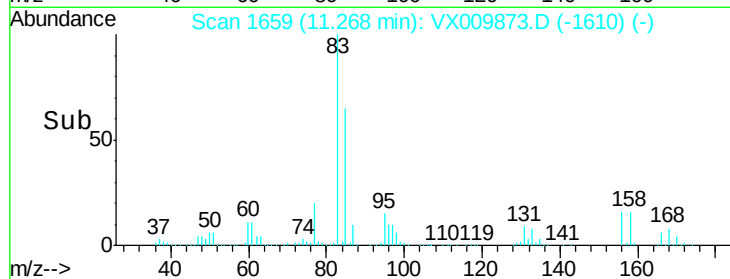
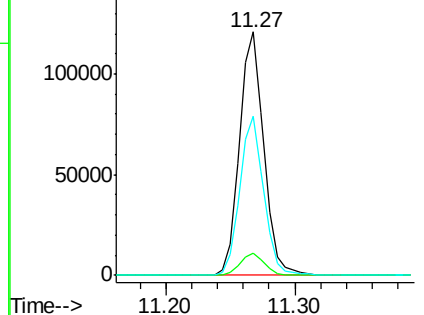
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 45.702 ug/l m

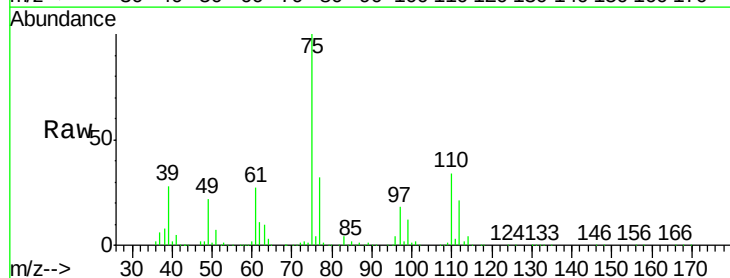
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009873.D

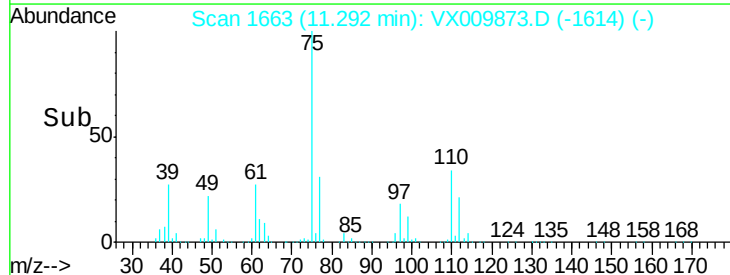
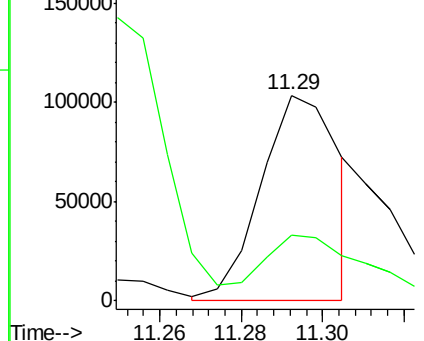
Acq: 23 May 2019 20:58

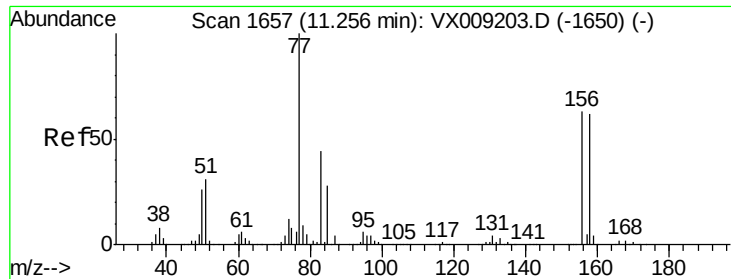
Tgt Ion:	75	Resp:	137093
Ion Ratio	Lower	Upper	
75	100		
77	43.1	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 45.205 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

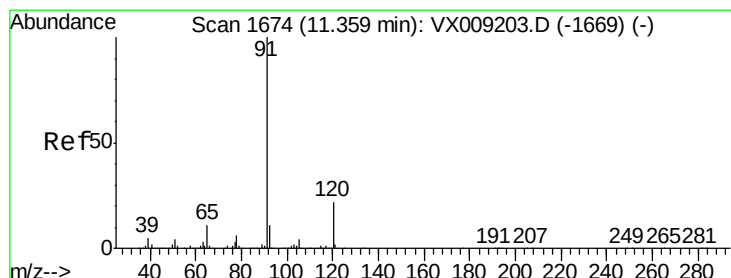
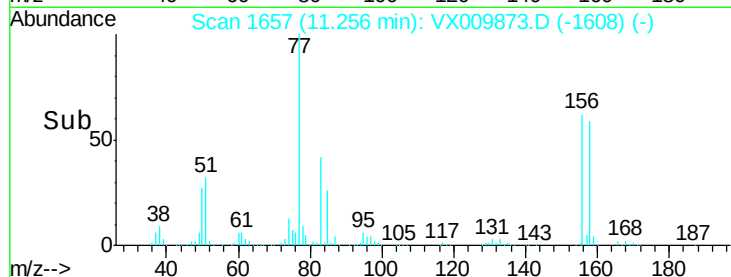
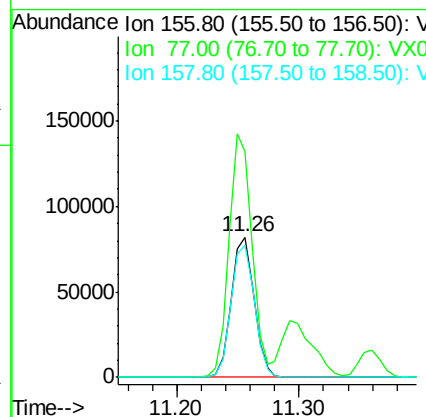
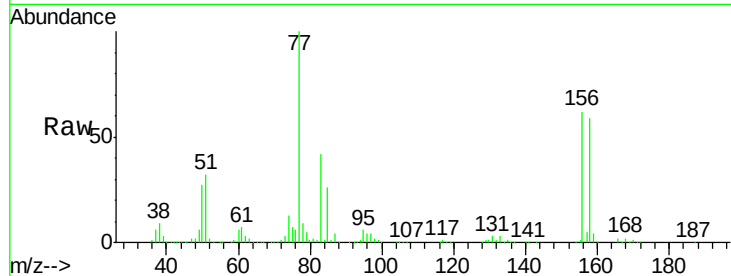
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	105512
Ion Ratio	Lower	Upper	
156	100		
77	174.6	84.8	254.3
158	96.8	49.1	147.3

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#78

n-propylbenzene

Concen: 44.691 ug/l

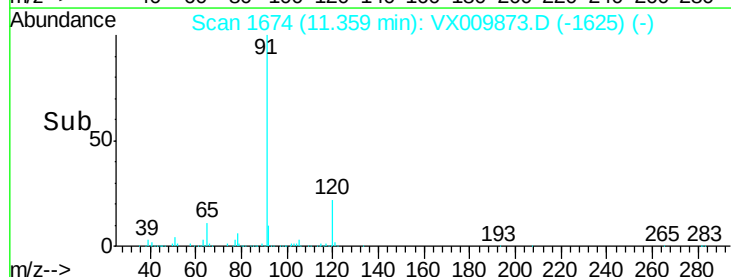
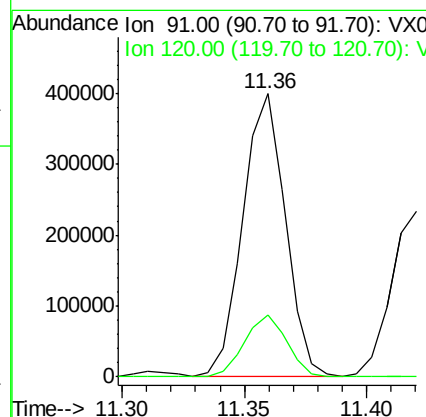
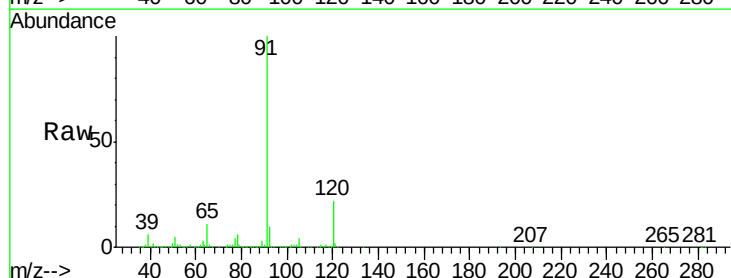
RT: 11.36 min Scan# 1674

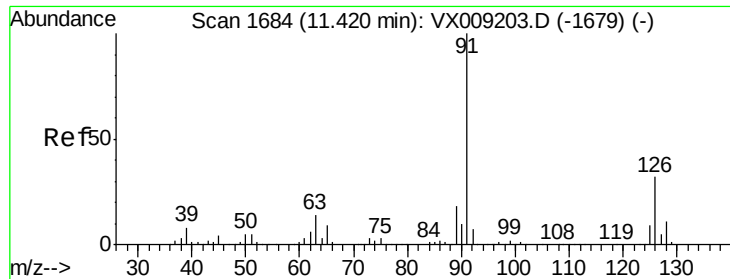
Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Tgt Ion:	91	Resp:	479975
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.0	33.0





#79

2-Chlorotoluene

Concen: 44.293 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 293484

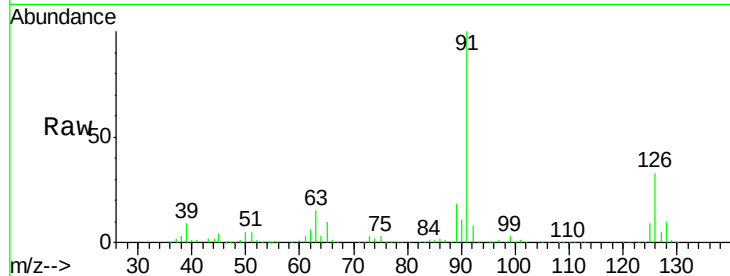
Ion Ratio Lower Upper

91 100

126 32.3 16.3 48.9

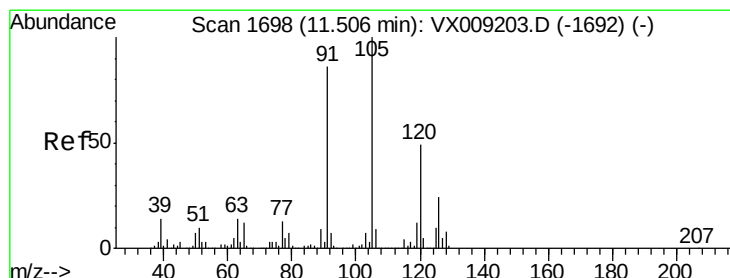
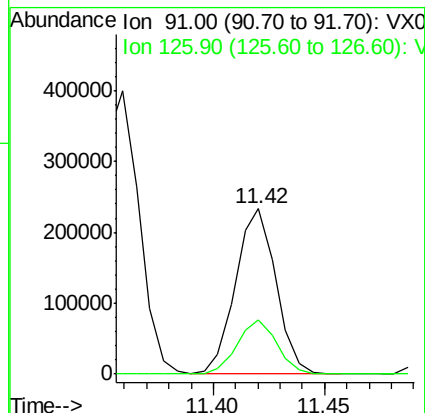
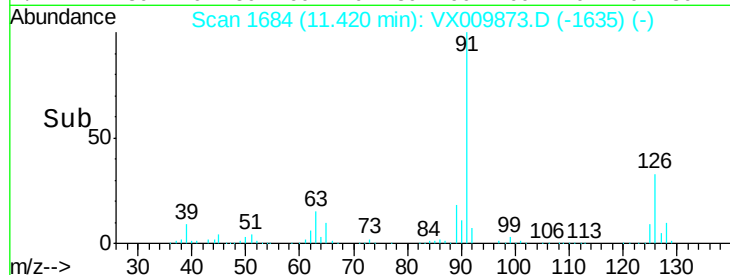
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Abundance Ion 91.00 (90.70 to 91.70): VX009873.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX009873.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 44.823 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009873.D

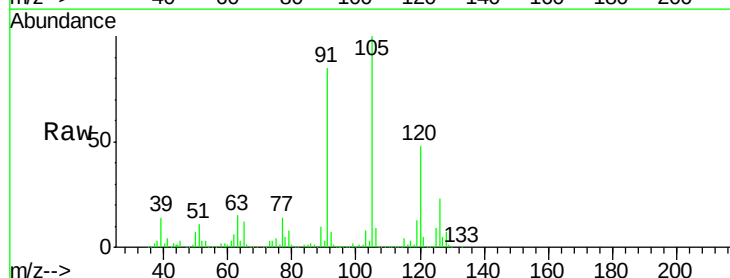
Acq: 23 May 2019 20:58

Tgt Ion: 105 Resp: 354913

Ion Ratio Lower Upper

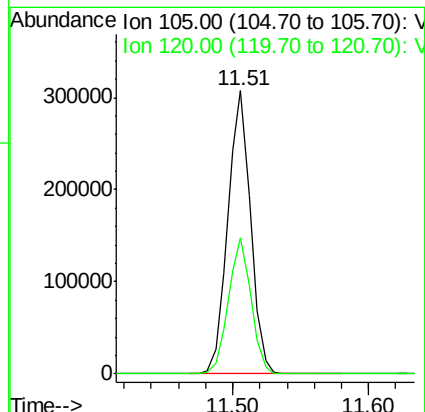
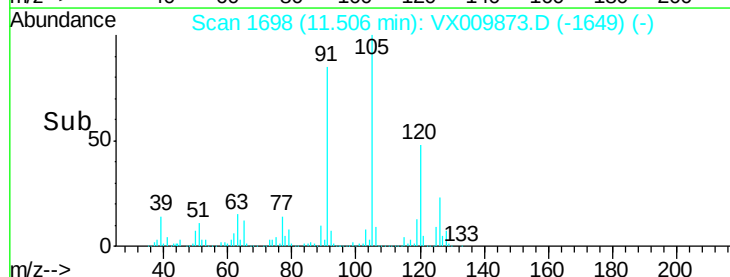
105 100

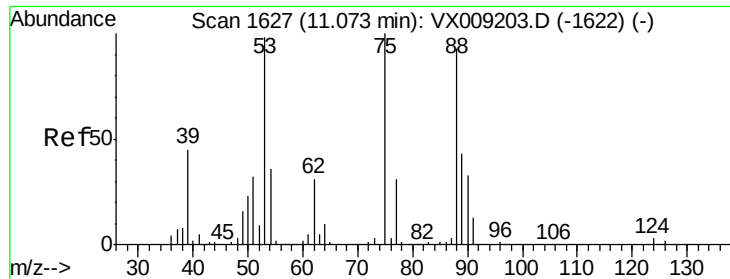
120 48.0 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009873.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX009873.D (-1649) (-)





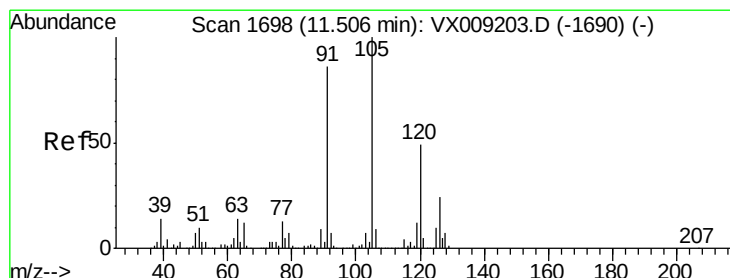
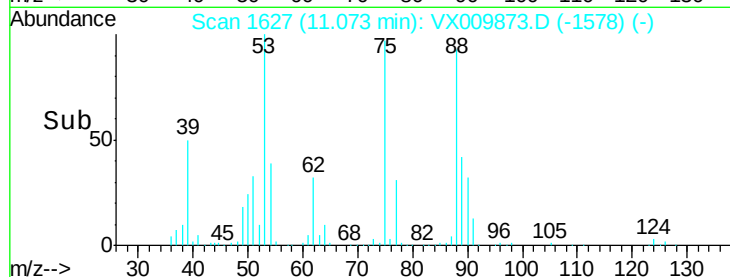
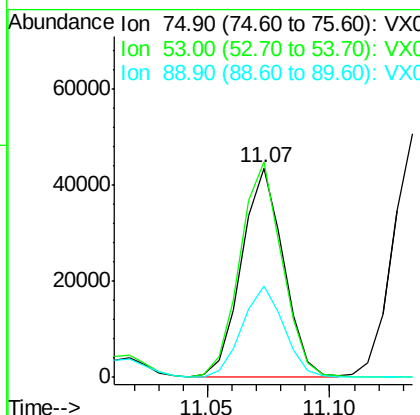
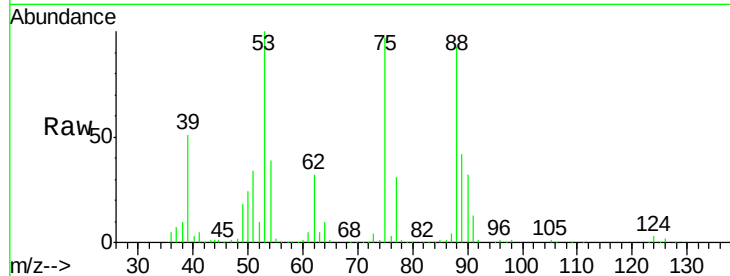
#81
trans-1,4-Dichloro-2-butene
Concen: 44.153 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 51765
Ion Ratio Lower Upper
75 100
53 103.7 79.0 118.6
89 44.0 34.7 52.1

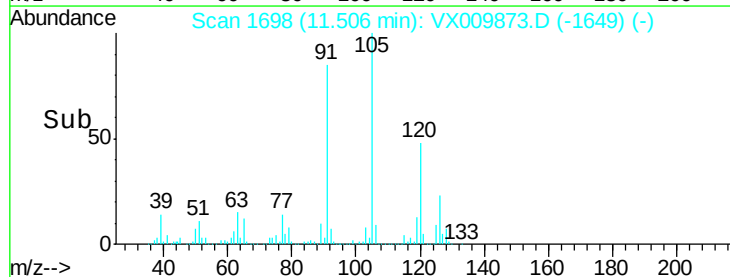
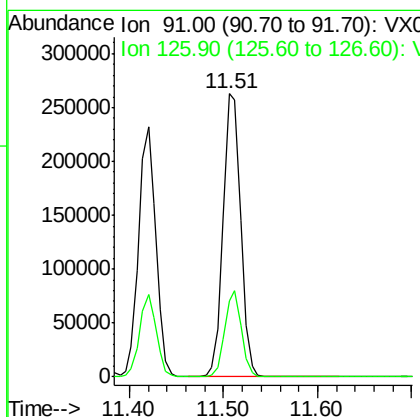
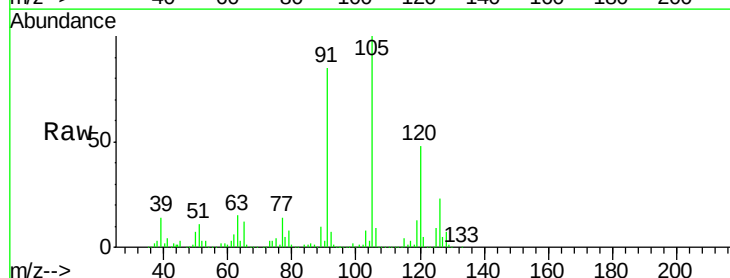
Manual Integrations
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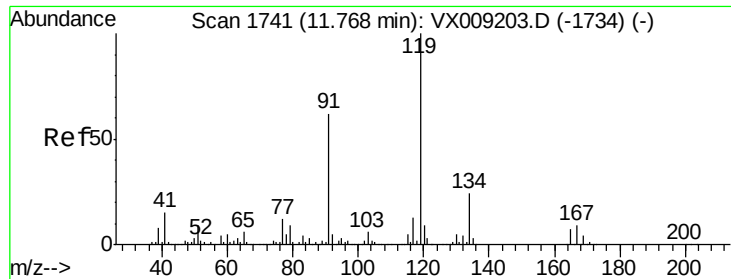
MMDadoda
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#82
4-Chlorotoluene
Concen: 45.410 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Tgt Ion: 91 Resp: 339913
Ion Ratio Lower Upper
91 100
126 28.7 14.5 43.6





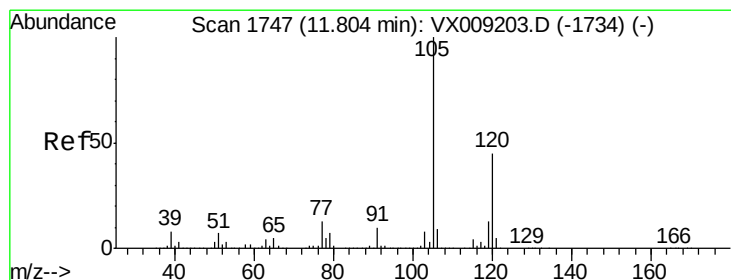
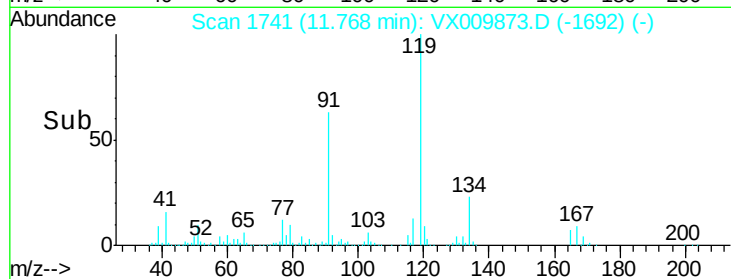
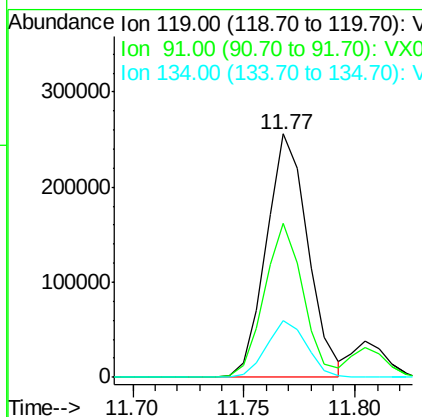
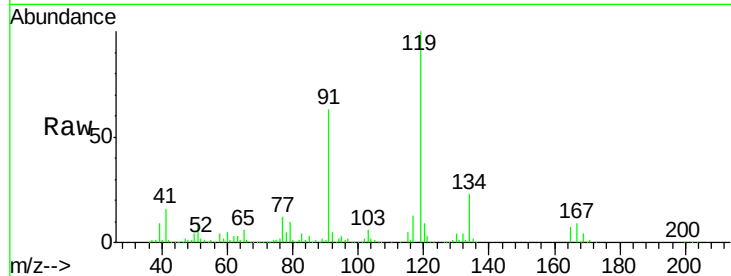
#83
 tert-Butylbenzene
 Concen: 43.128 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009873.D
 Acq: 23 May 2019 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	332202		
91	59.6	29.5	88.5	
134	22.4	11.4	34.1	

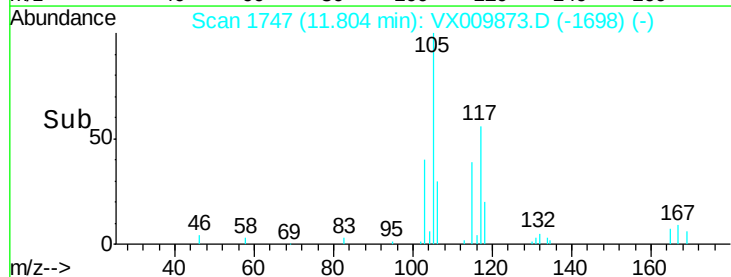
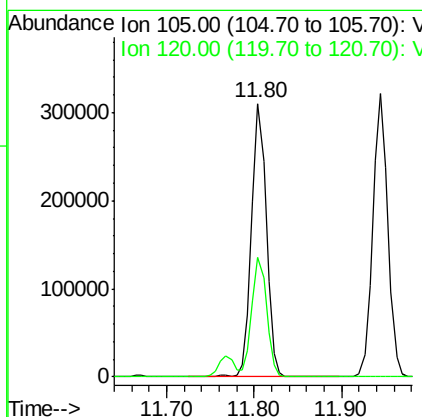
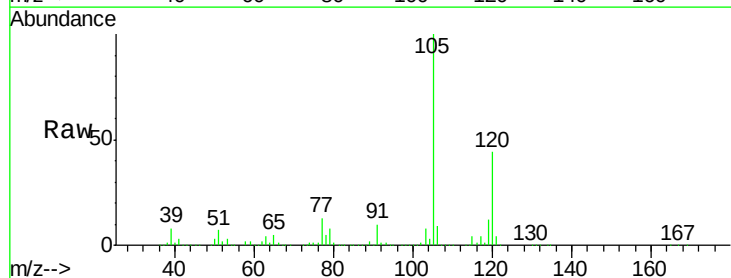
Manual Integrations
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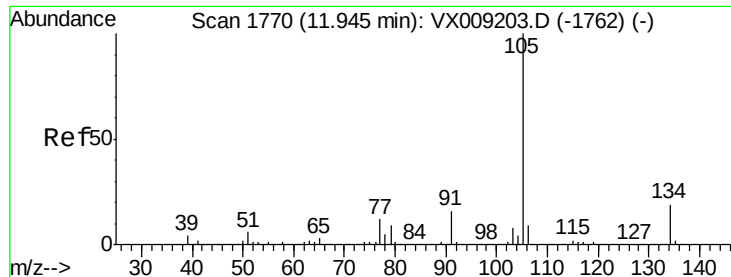
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 5/24/2019 9:02:21 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 45.476 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009873.D
 Acq: 23 May 2019 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	361434		
120	43.7	22.0	66.0	





#85

sec-Butylbenzene

Concen: 42.495 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 388073

Ion Ratio Lower Upper

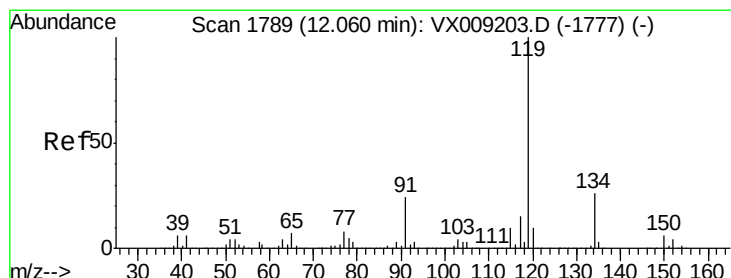
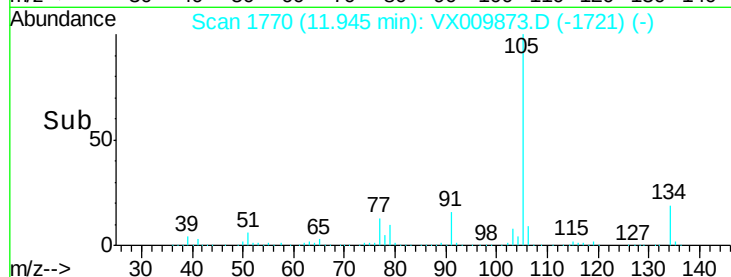
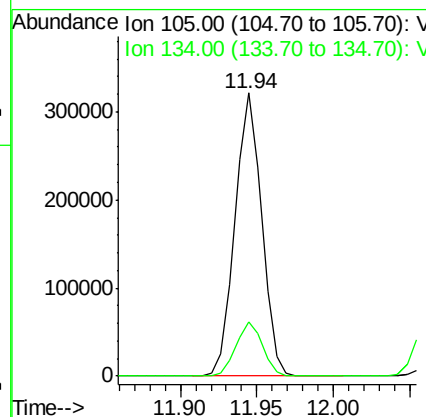
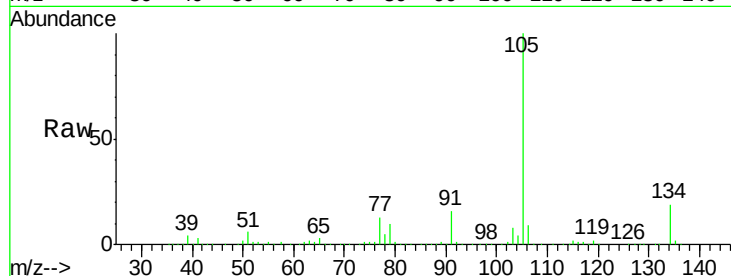
105 100

134 19.2 9.7 28.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 43.489 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

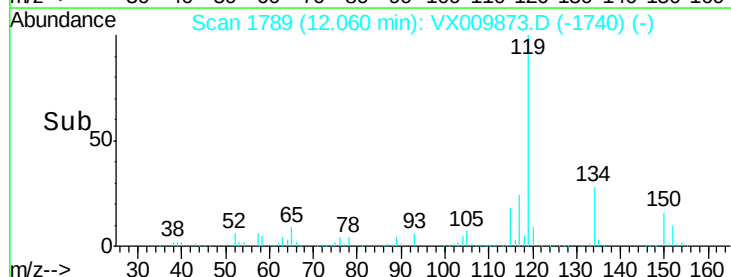
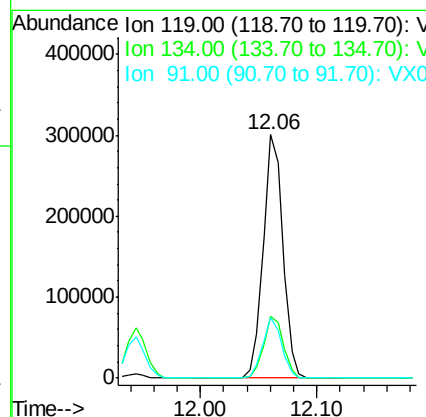
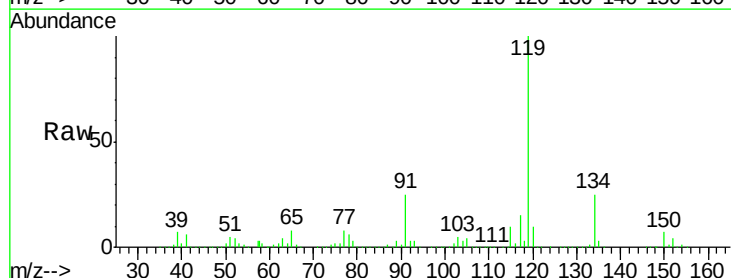
Tgt Ion:119 Resp: 357032

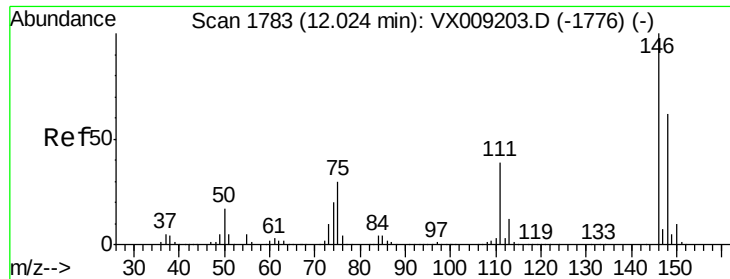
Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 24.3 11.8 35.4





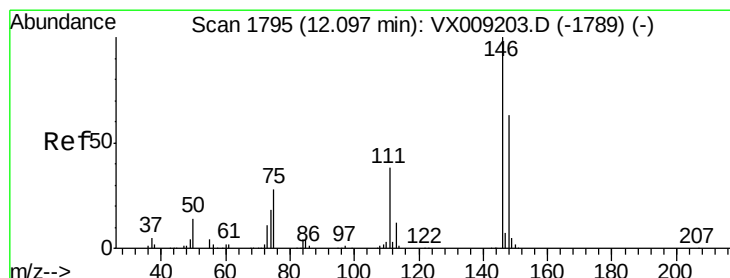
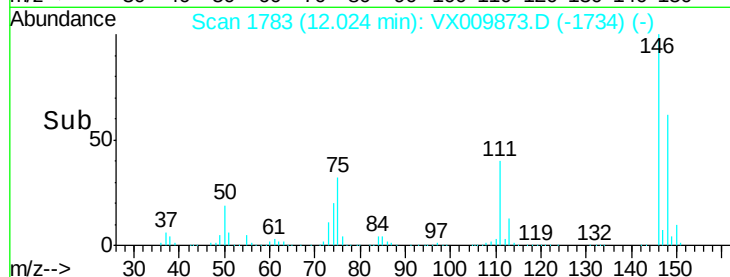
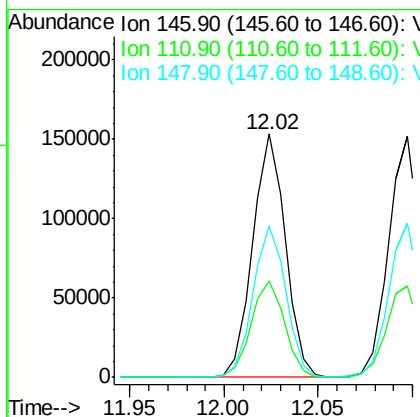
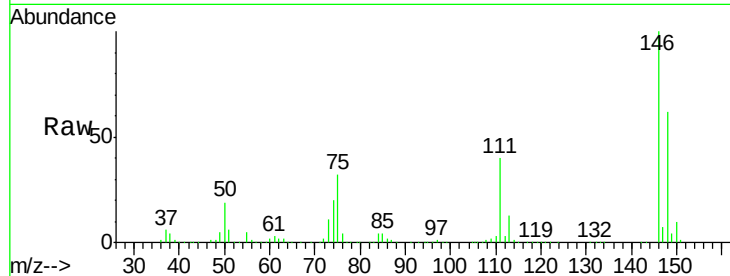
#87
 1,3-Dichlorobenzene
 Concen: 44.317 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009873.D
 Acq: 23 May 2019 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	63.0	31.8	95.3

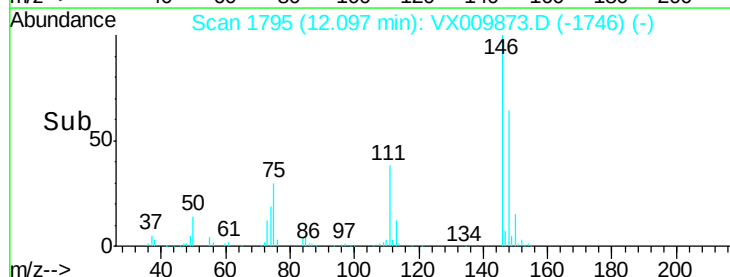
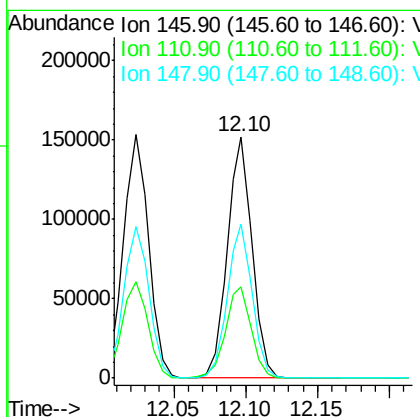
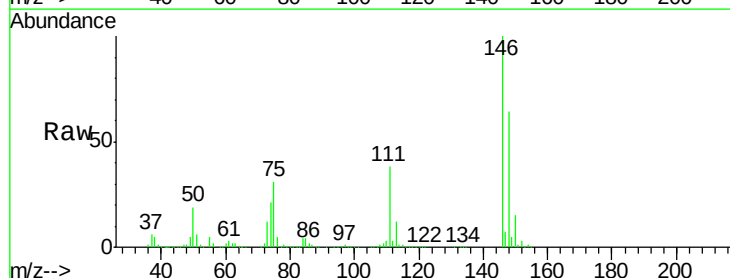
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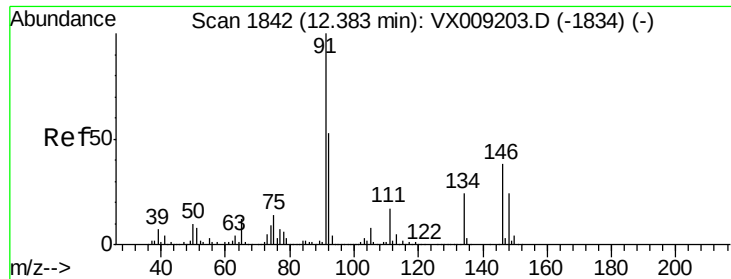
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#88
 1,4-Dichlorobenzene
 Concen: 43.820 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009873.D
 Acq: 23 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.8
148	63.9	31.8	95.3





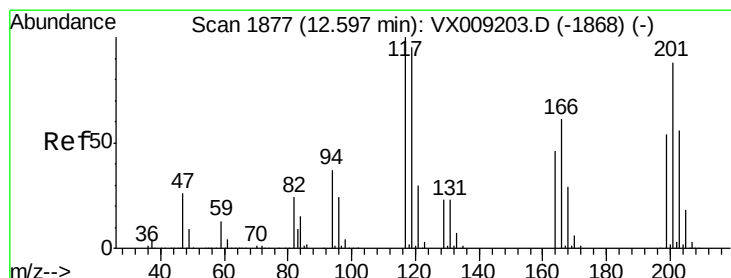
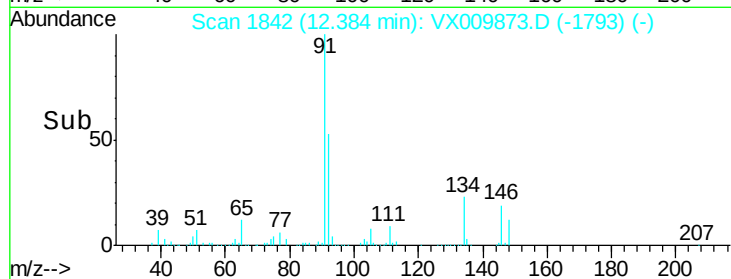
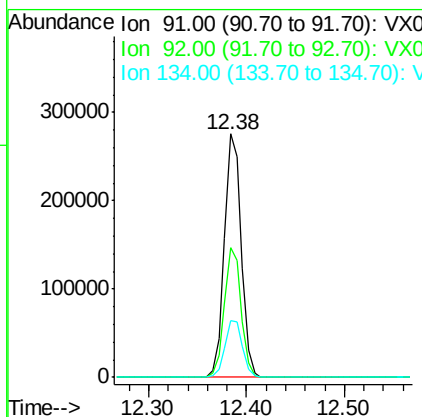
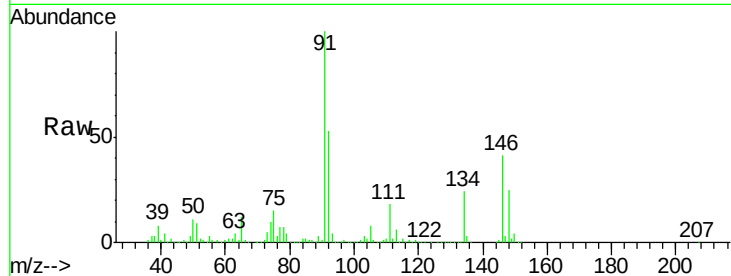
#89
n-Butylbenzene
Concen: 44.236 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	24.3	12.4	37.2

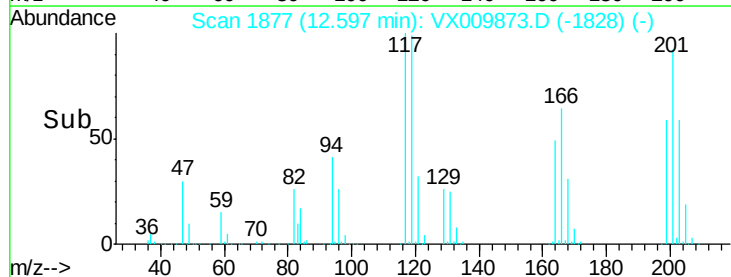
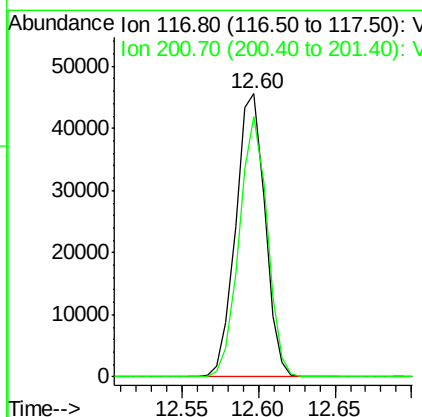
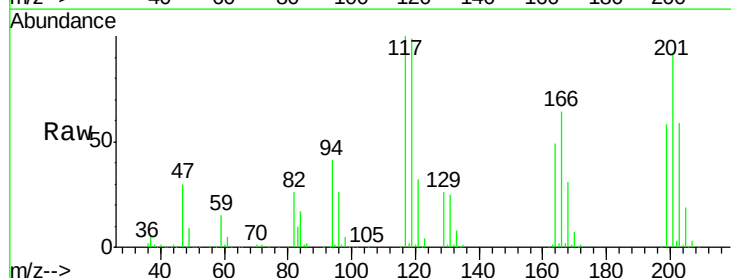
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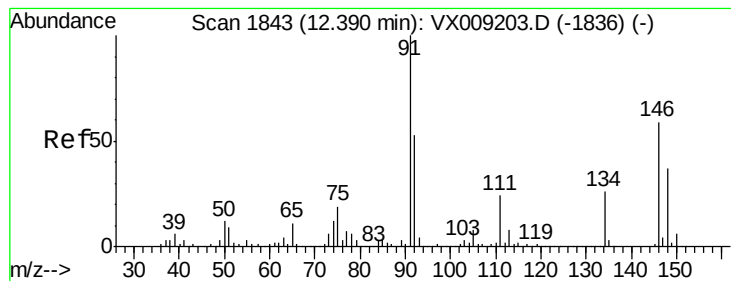
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#90
Hexachloroethane
Concen: 43.225 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009873.D
Acq: 23 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.9	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 43.447 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

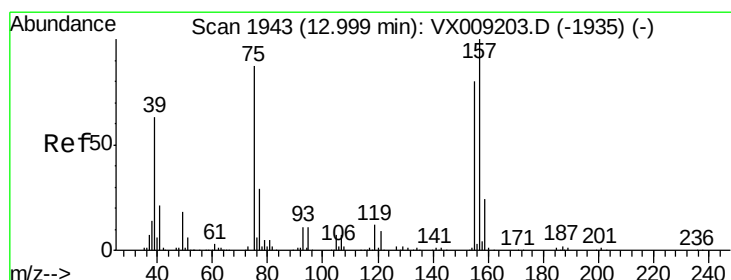
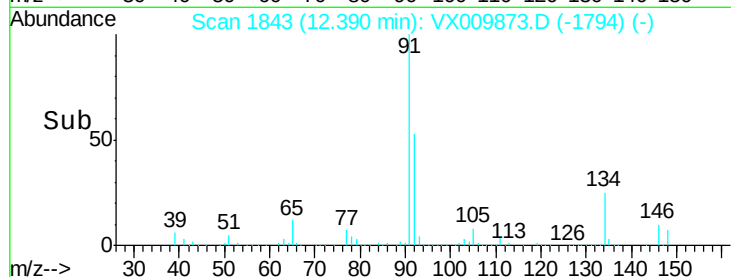
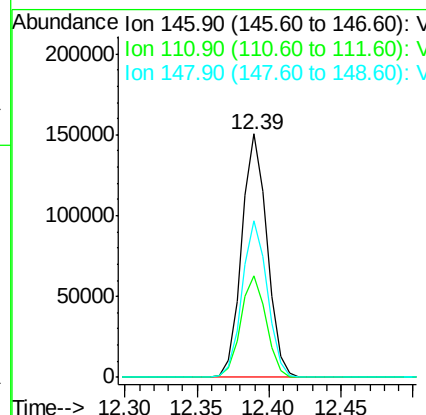
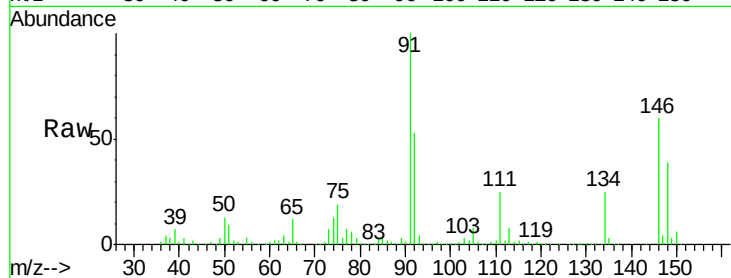
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	184134
Ion Ratio	Lower	Upper	
146	100		
111	41.8	20.8	62.4
148	64.2	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 45.223 ug/l

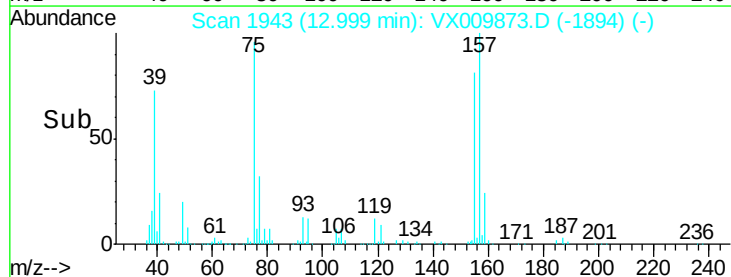
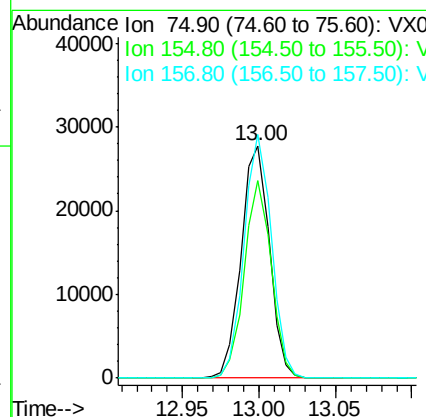
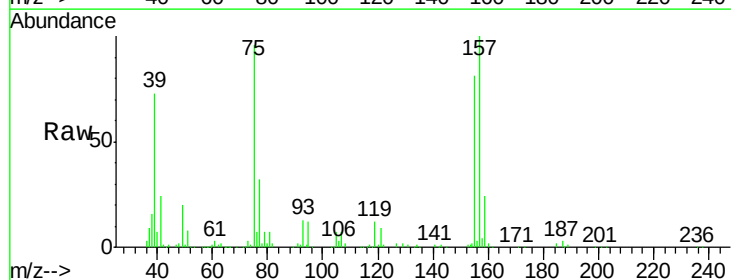
RT: 13.00 min Scan# 1943

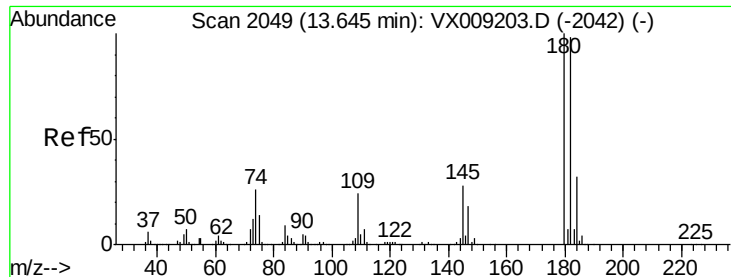
Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Tgt Ion:	75	Resp:	35564
Ion Ratio	Lower	Upper	
75	100		
155	80.8	42.0	126.0
157	101.6	53.2	159.6





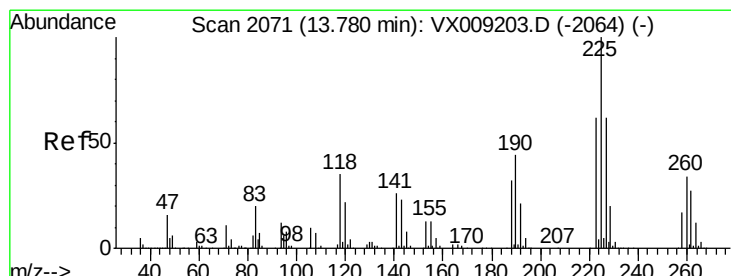
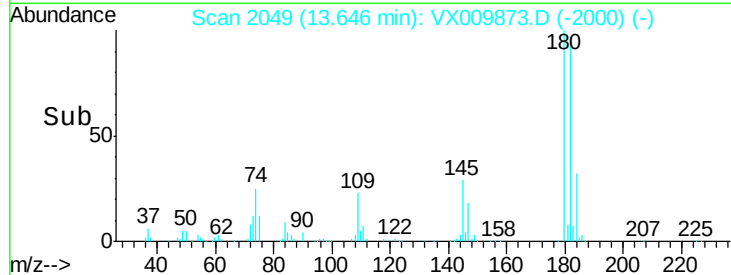
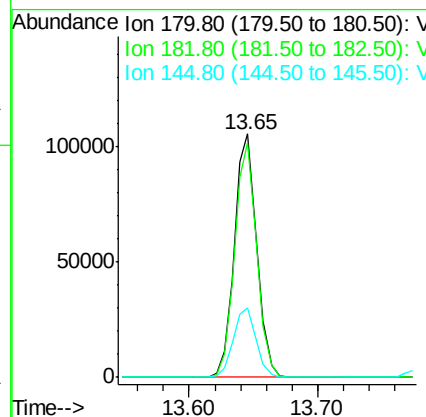
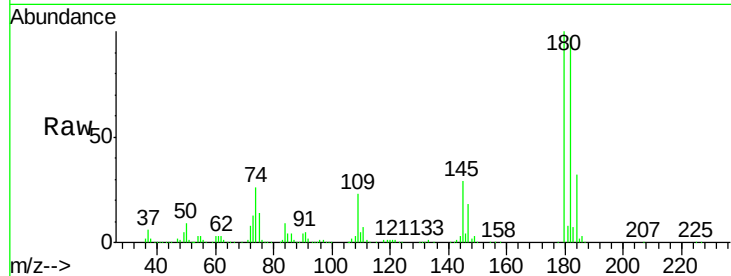
#93
 1,2,4-Trichlorobenzene
 Concen: 44.322 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009873.D
 Acq: 23 May 2019 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	128453		
182	95.4	48.4	145.2	
145	29.3	14.6	43.8	

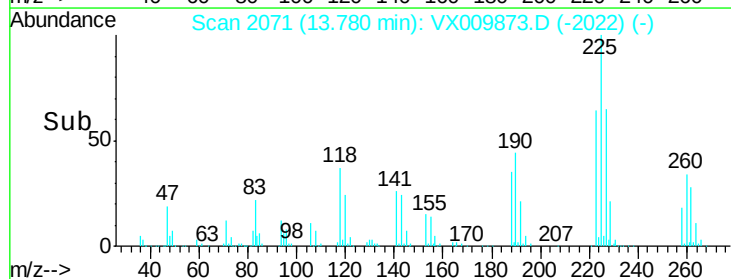
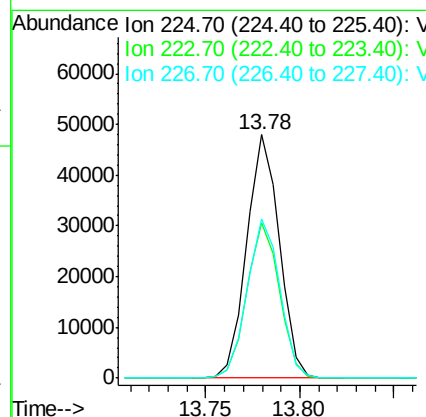
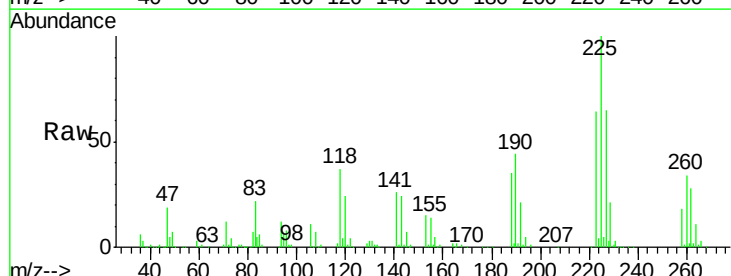
Manual Integrations
 APPROVED

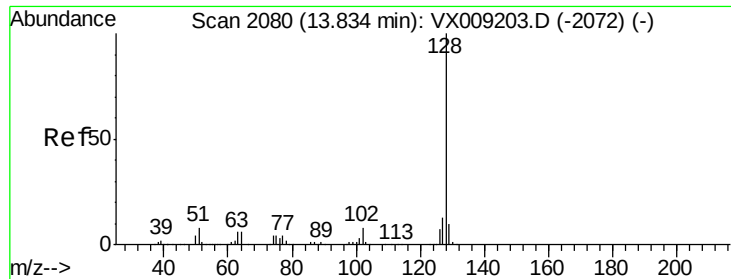
MMDadoda
 5/24/2019 9:02:21 AM



#94
 Hexachlorobutadiene
 Concen: 38.866 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009873.D
 Acq: 23 May 2019 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57521		
223	63.8	31.3	93.8	
227	65.6	31.8	95.3	





#95

Naphthalene

Concen: 45.328 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Instrument :

MSVOA_X

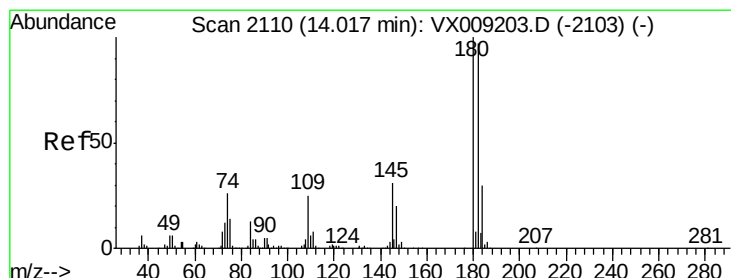
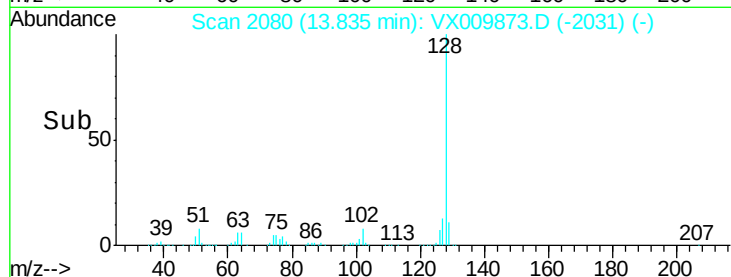
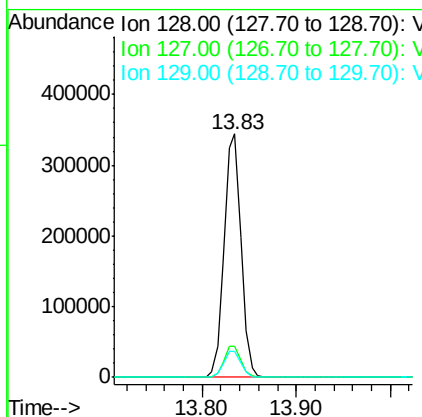
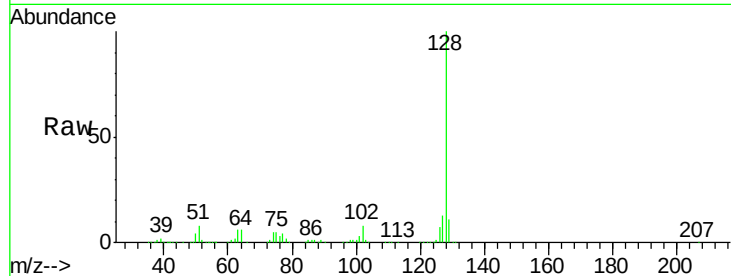
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	427393
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:02:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 44.409 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009873.D

Acq: 23 May 2019 20:58

Tgt Ion:	180	Resp:	130464
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.8	143.4
145	30.8	15.4	46.4

