

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053119\
 Data File : VX010021.D
 Acq On : 01 Jun 2019 06:26
 Operator : JC/SP
 Sample : K3129-16MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MS

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 9:34:30 AM

Quant Time: Jun 03 00:55:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	149346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	243233	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	224496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111337	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	108984	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
35) Dibromofluoromethane	5.49	113	80004	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
50) Toluene-d8	8.71	98	325996	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	11.13	95	118627	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	98390	53.913	ug/l	99
3) Chloromethane	1.32	50	110209	44.920	ug/l	99
4) Vinyl Chloride	1.41	62	103357	46.732	ug/l	100
5) Bromomethane	1.64	94	49639	37.043	ug/l	99
6) Chloroethane	1.71	64	63219	46.434	ug/l	100
7) Trichlorofluoromethane	1.93	101	119219	48.780	ug/l	98
8) Diethyl Ether	2.19	74	52198	45.448	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	70083	47.496	ug/l	99
10) Methyl Iodide	2.51	142	78146	43.442	ug/l	100
11) Tert butyl alcohol	3.05	59	121447	233.920	ug/l	100
12) 1,1-Dichloroethene	2.37	96	75083	49.643	ug/l	97
13) Acrolein	2.29	56	86436	236.150	ug/l	99
14) Allyl chloride	2.73	41	171189	46.569	ug/l	100
15) Acrylonitrile	3.14	53	307564	245.863	ug/l	99
16) Acetone	2.45	43	270164	221.645	ug/l	99
17) Carbon Disulfide	2.57	76	217499	47.511	ug/l	99
18) Methyl Acetate	2.78	43	134062	47.268	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	288232	50.477	ug/l	98
20) Methylene Chloride	2.85	84	91235	48.878	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	81163	48.228	ug/l	97
22) Diisopropyl ether	3.85	45	349204	49.926	ug/l	96
23) Vinyl Acetate	3.81	43	1498996	238.563	ug/l	100
24) 1,1-Dichloroethane	3.70	63	168319	49.657	ug/l	99
25) 2-Butanone	4.67	43	456431	240.349	ug/l	99
26) 2,2-Dichloropropane	4.59	77	72409	28.239	ug/l #	69
27) cis-1,2-Dichloroethene	4.60	96	334043	171.957	ug/l	88
28) Bromochloromethane	5.01	49	84979	48.312	ug/l	98
29) Tetrahydrofuran	5.13	42	301459	247.549	ug/l	99
30) Chloroform	5.21	83	153303	50.149	ug/l	99
31) Cyclohexane	5.58	56	159678	49.737	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	128130	51.466	ug/l	100
36) 1,1-Dichloropropene	5.80	75	115893	46.960	ug/l	99
37) Ethyl Acetate	4.84	43	164627	47.875	ug/l	100
38) Carbon Tetrachloride	5.79	117	106284	49.838	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	136529	46.639	ug/l	99
40) Benzene	6.14	78	362330	49.493	ug/l	99
41) Methacrylonitrile	5.04	41	98079	48.812	ug/l	99
42) 1,2-Dichloroethane	6.20	62	132184	48.840	ug/l	100
43) Isopropyl Acetate	6.45	43	262948	47.391	ug/l	99
44) Trichloroethene	7.21	130	87258	49.069	ug/l	94
45) 1,2-Dichloropropane	7.51	63	103210	48.975	ug/l	99
46) Dibromomethane	7.66	93	59737	48.156	ug/l	97
47) Bromodichloromethane	7.90	83	120843	51.228	ug/l	97
48) Methyl methacrylate	7.77	41	139114	50.648	ug/l	99
49) 1,4-Dioxane	7.74	88	47787	935.332	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	911711	252.597	ug/l	100
52) Toluene	8.79	92	222097	49.966	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	129518	45.781	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	141389	45.870	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	89823	50.207	ug/l	98
56) Ethyl methacrylate	9.18	69	165591	51.990	ug/l	100
57) 1,3-Dichloropropane	9.37	76	159918	49.774	ug/l	99
59) 2-Hexanone	9.49	43	698803	251.472	ug/l	99
60) Dibromochloromethane	9.58	129	92204	52.393	ug/l	99
61) 1,2-Dibromoethane	9.67	107	92729	50.452	ug/l	99
64) Tetrachloroethene	9.34	164	74816	47.711	ug/l	98
65) Chlorobenzene	10.13	112	232771	49.527	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	83497	51.222	ug/l	99
67) Ethyl Benzene	10.25	91	424659	50.323	ug/l	99
68) m/p-Xylenes	10.36	106	310619	99.636	ug/l	99
69) o-Xylene	10.69	106	153804	51.442	ug/l	98
70) Stvrene	10.71	104	268220	51.160	ug/l	99
71) Bromoform	10.85	173	72363	54.308	ug/l #	98
73) Isopropylbenzene	11.02	105	401991	48.936	ug/l	99
74) N-amyl acetate	10.90	43	235004	47.875	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	149750	48.863	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	129966m	48.815	ug/l	
77) Bromobenzene	11.26	156	103341	49.363	ug/l	97
78) n-propylbenzene	11.36	91	461837	48.775	ug/l	100
79) 2-Chlorotoluene	11.42	91	278758	48.185	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	342944	49.554	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	43381	40.314	ug/l	97
82) 4-Chlorotoluene	11.51	91	322817	47.935	ug/l	99
83) tert-Butylbenzene	11.77	119	331560	50.077	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	343964	48.941	ug/l	100
85) sec-Butylbenzene	11.94	105	390241	49.543	ug/l	100
86) p-Isopropyltoluene	12.06	119	350142	49.421	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	179689	48.212	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	180167	47.400	ug/l	99
89) n-Butylbenzene	12.38	91	310739	46.669	ug/l	99
90) Hexachloroethane	12.60	117	61370	50.474	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	180877	49.223	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	34237	47.461	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	124332	47.347	ug/l	99

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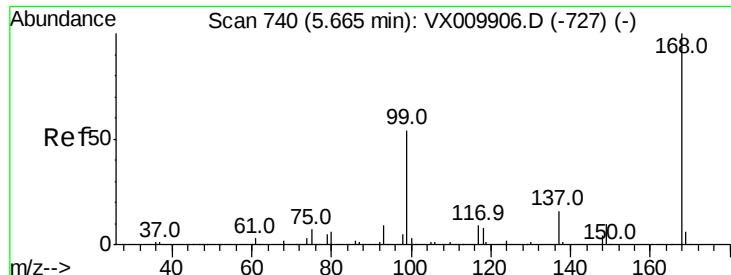
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	59631	45.274	ug/l	99
95) Naphthalene	13.83	128	406438	49.736	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	126191	48.008	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MS

Tot Ion:168 Resp: 149346

Ion Ratio Lower Upper

168 100

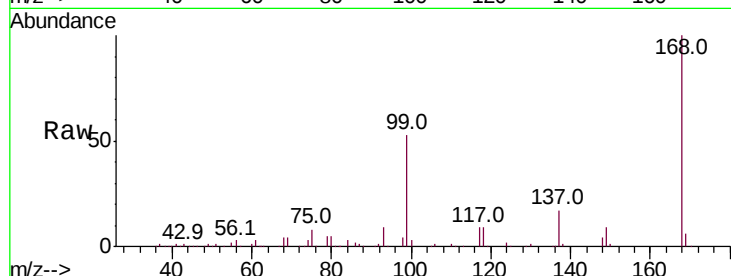
99 53.3 43.0 64.6

Manual Integrations

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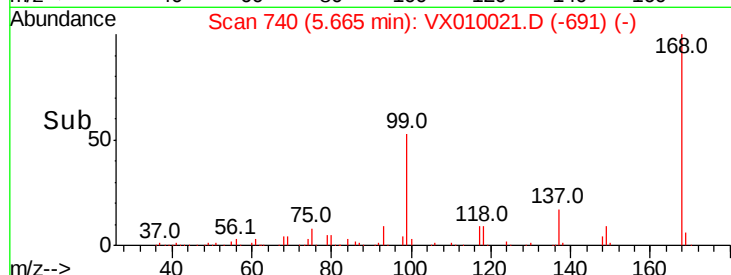


Abundance Ion 167.90 (167.60 to 168.60): V

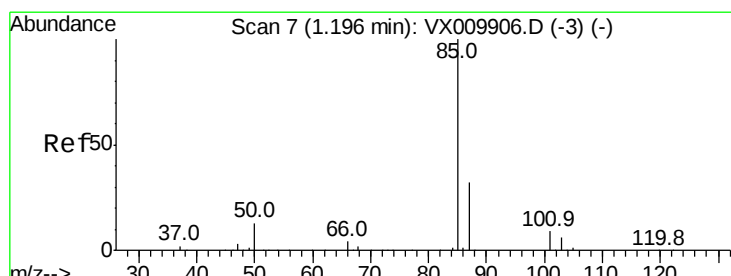
Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 53.913 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010021.D

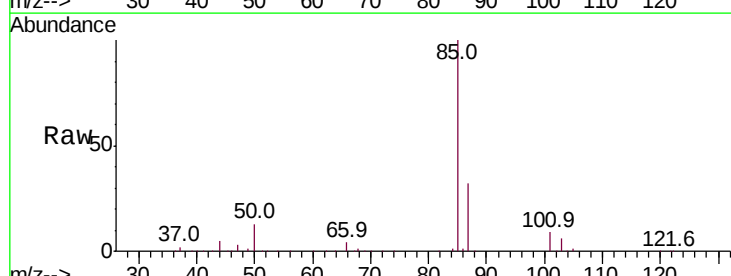
Acq: 01 Jun 2019 06:26

Tgt Ion: 85 Resp: 98390

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.2

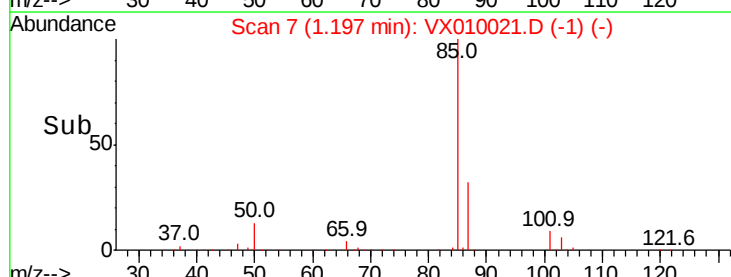


Abundance Ion 84.90 (84.60 to 85.60): VX0

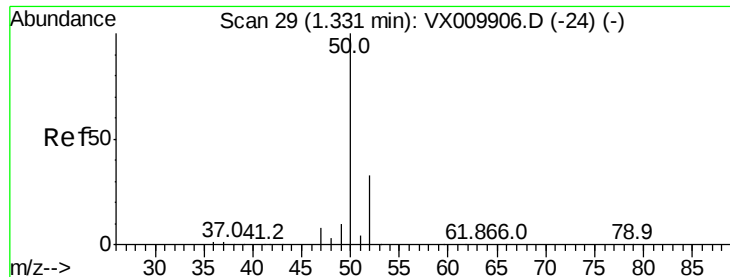
Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->



Time-->



#3

Chloromethane

Concen: 44.920 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MS

Tot Ion: 50 Resp: 110209

Ion Ratio Lower Upper

50 100

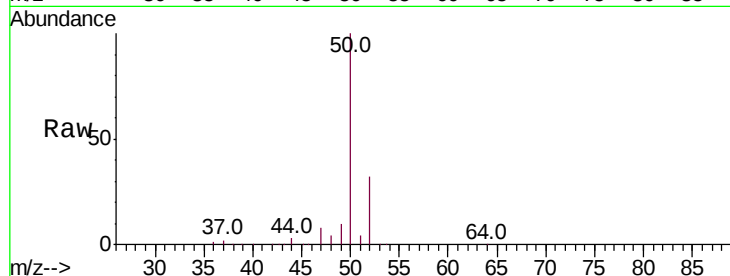
52 31.9 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

120000

100000

80000

60000

40000

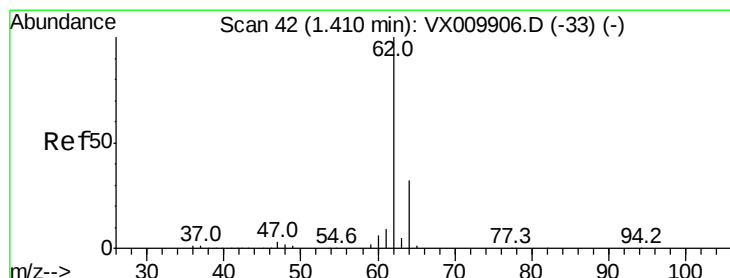
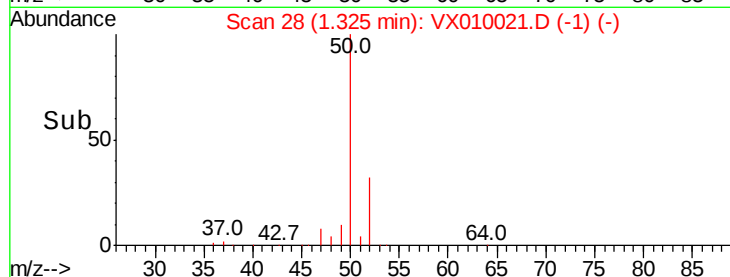
20000

0

1.32

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 46.732 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010021.D

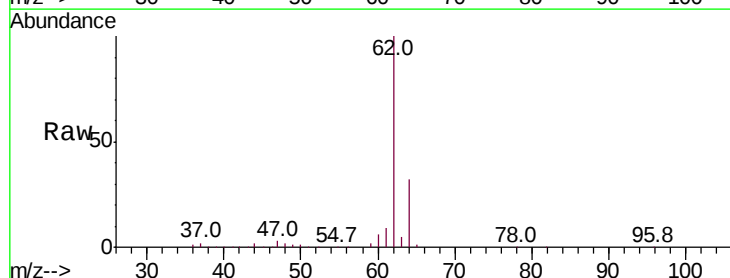
Acq: 01 Jun 2019 06:26

Tgt Ion: 62 Resp: 103357

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

100000

80000

60000

40000

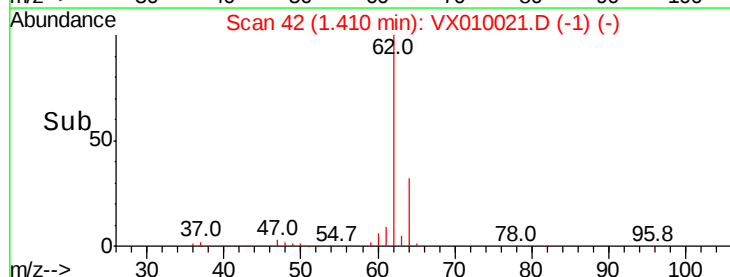
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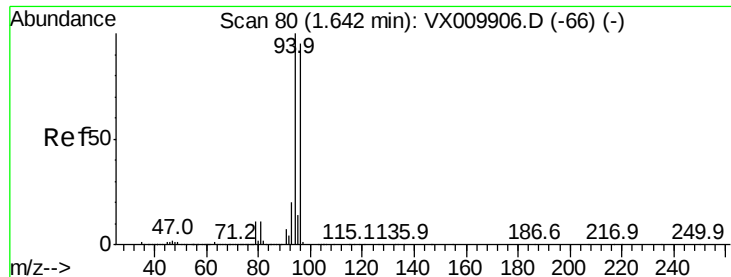
0

1.41

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 37.043 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MS

Tot Ion: 94 Resp: 49639

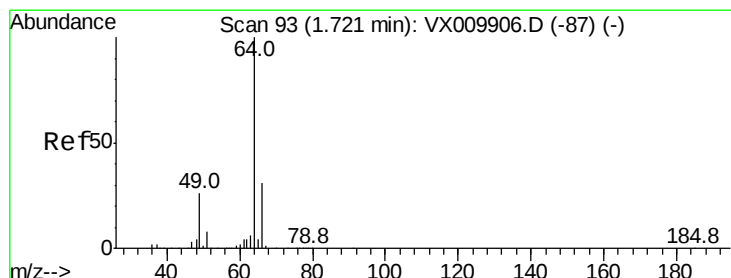
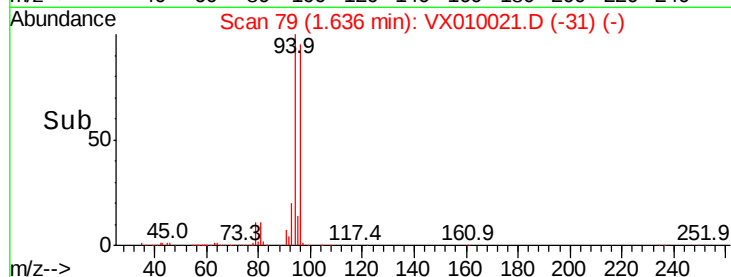
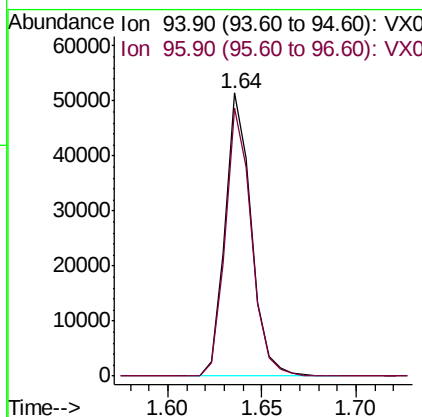
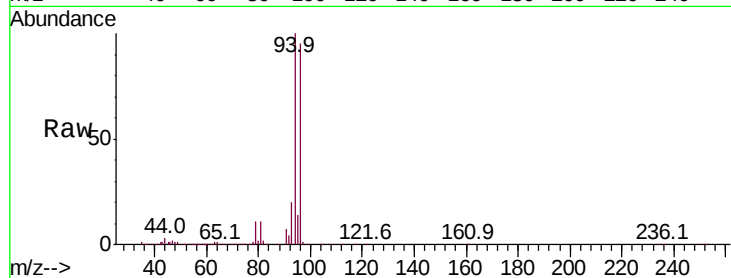
Ion Ratio Lower Upper

94 100

96 94.4 76.2 114.4

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#6

Chloroethane

Concen: 46.434 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX010021.D

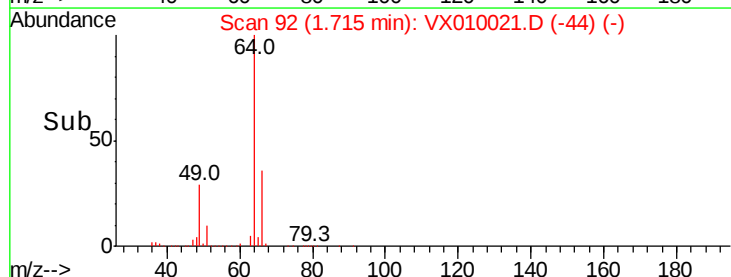
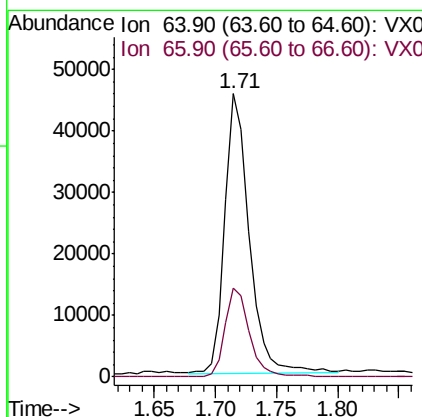
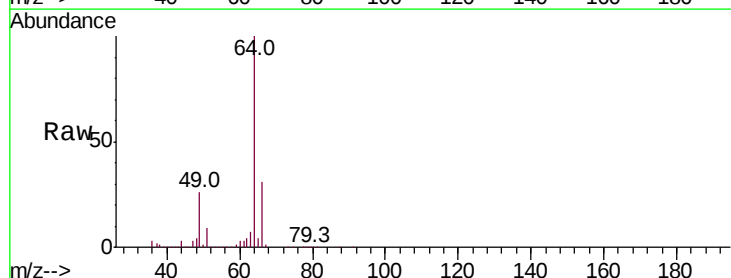
Acq: 01 Jun 2019 06:26

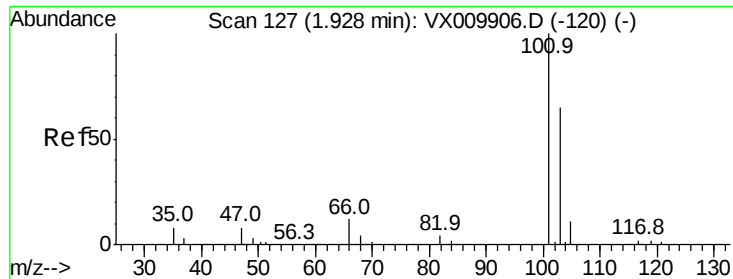
Tgt Ion: 64 Resp: 63219

Ion Ratio Lower Upper

64 100

66 31.5 25.1 37.7





#7

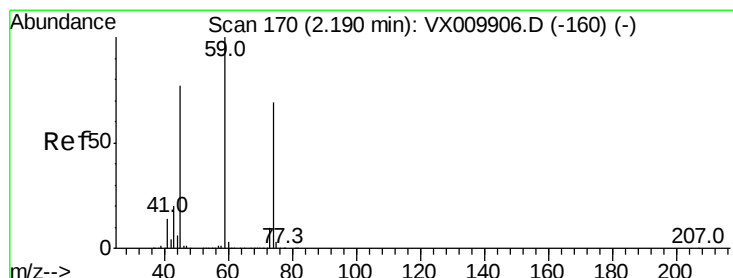
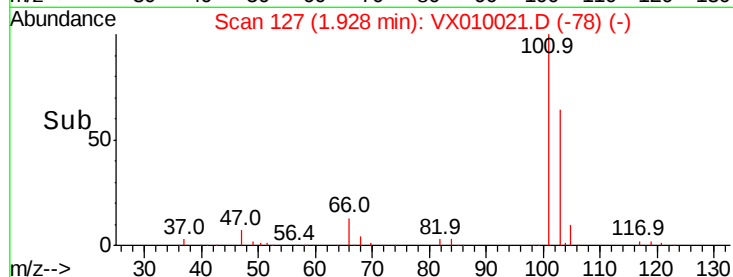
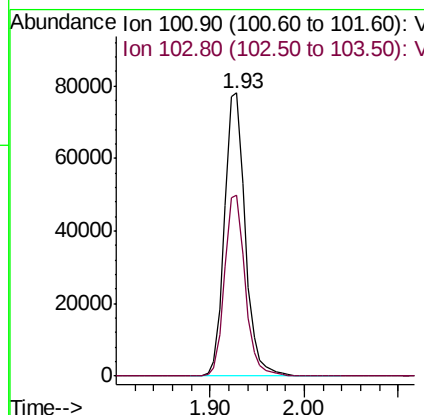
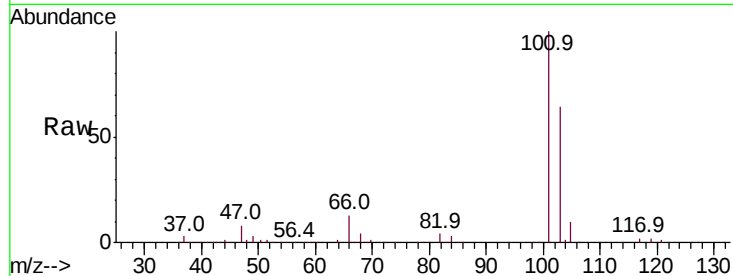
Trichlorofluoromethane
 Concen: 48.780 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX010021.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	119219		
103	63.8	52.2	78.4	

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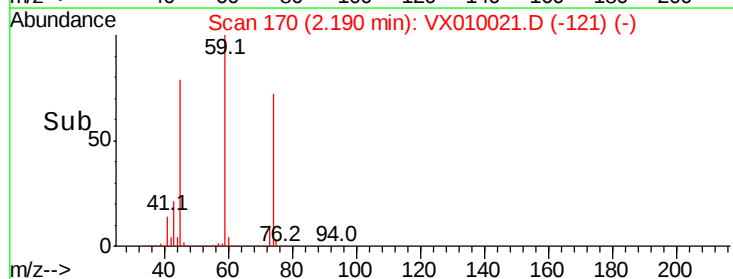
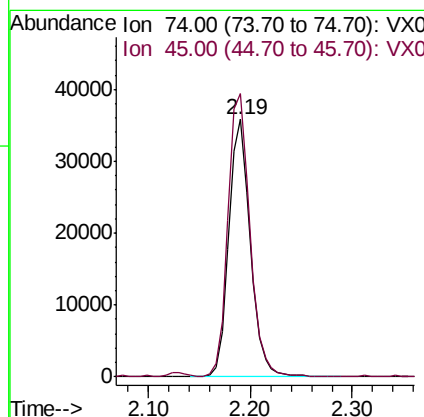
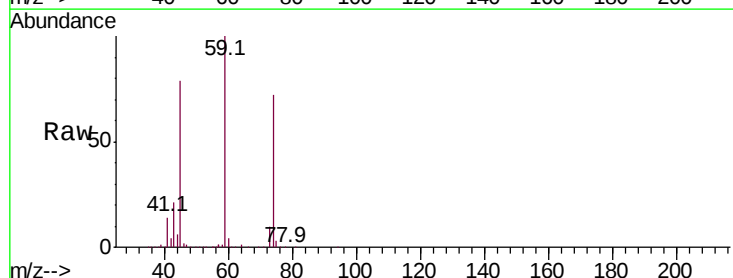
MMDadoda
 6/3/2019 9:34:30 AM

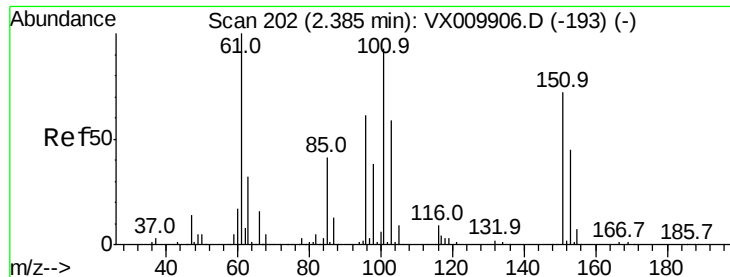


#8

Diethyl Ether
 Concen: 45.448 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX010021.D
 Acq: 01 Jun 2019 06:26

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	52198		
45	111.7	56.1	168.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.496 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

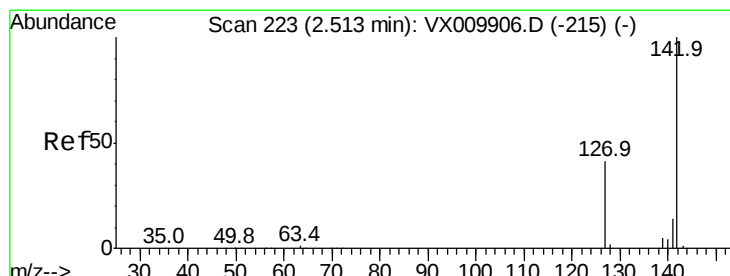
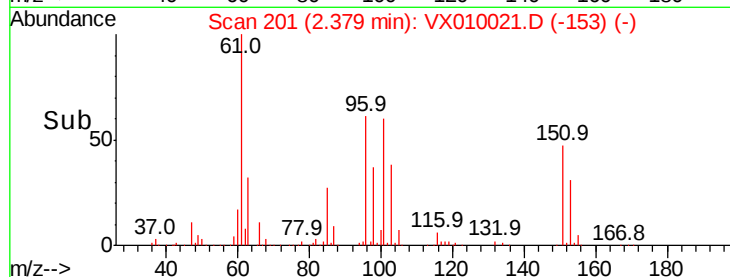
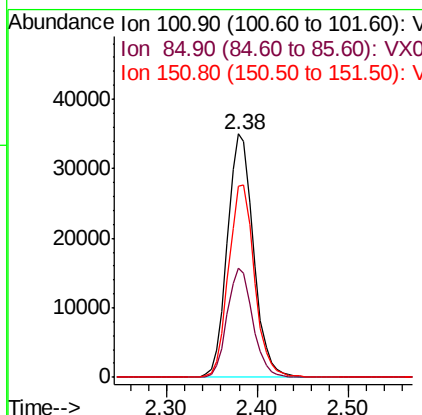
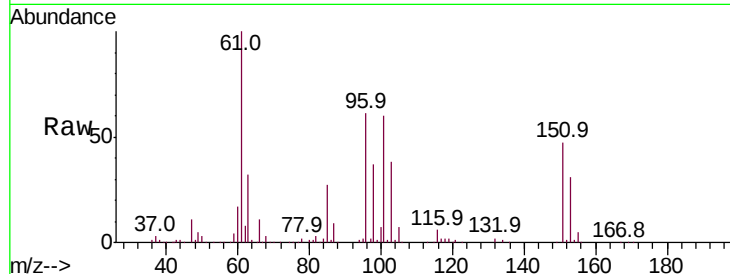
ClientSampleId :

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Tot Ion:	101	Resp:	70083
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.2	52.8
151	78.4	61.9	92.9

Manual Integrations
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6/3/2019 9:34:30 AM



#10

Methyl Iodide

Concen: 43.442 ug/l

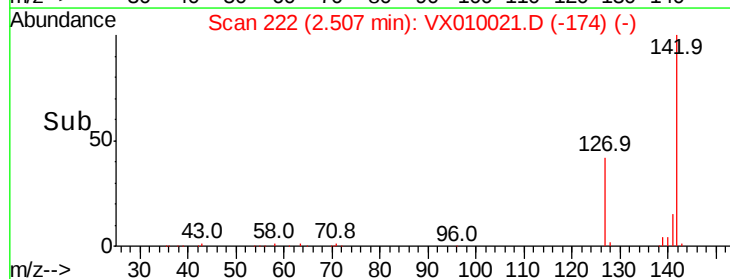
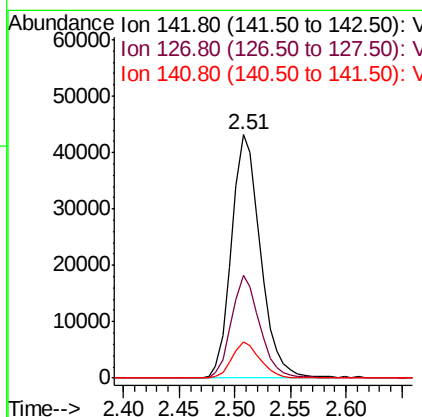
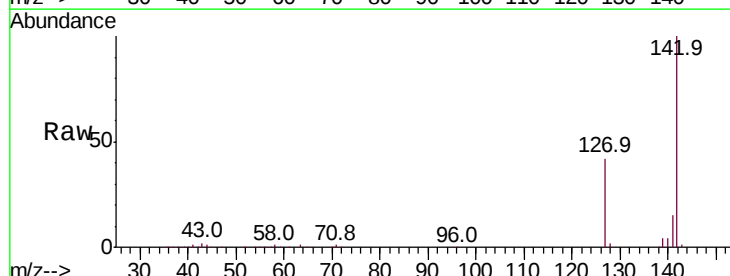
RT: 2.51 min Scan# 222

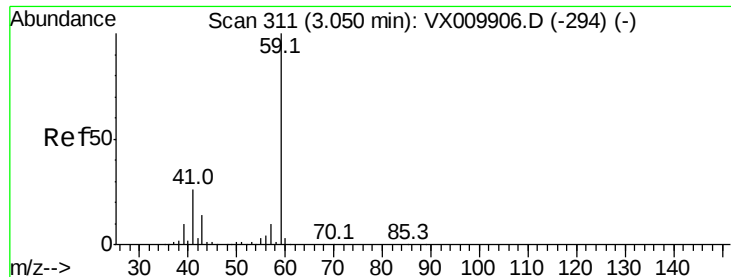
Delta R.T. -0.01 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Tgt Ion:	142	Resp:	78146
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.0	49.4
141	14.4	11.4	17.0





#11

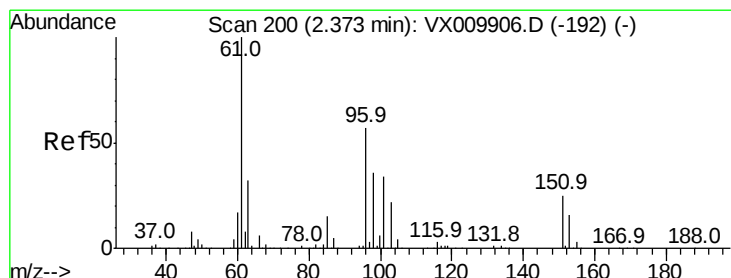
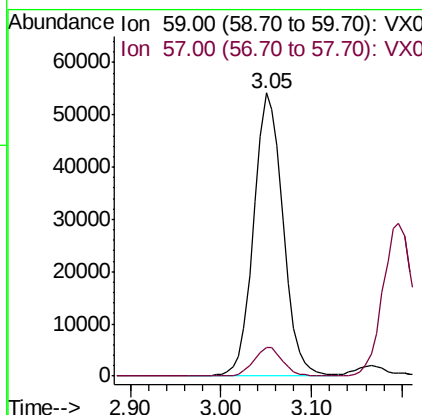
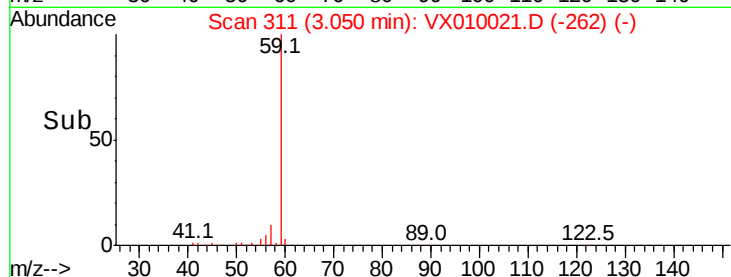
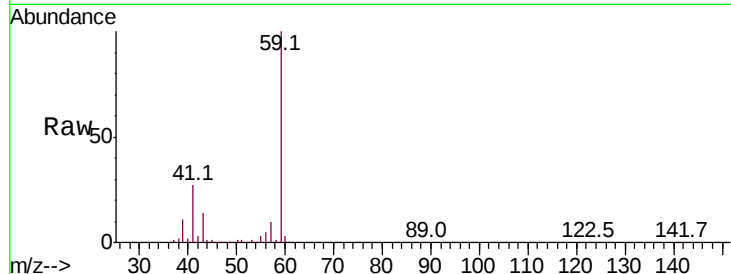
Tert butyl alcohol
Concen: 233.920 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MS

Tot Ion	59	57	Ratio	100	10.2	Resp	121447	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	10.2	Resp	121447	Lower	8.2	Upper	12.2

Manual Integrations
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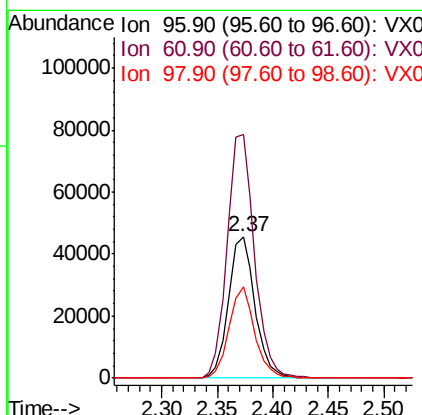
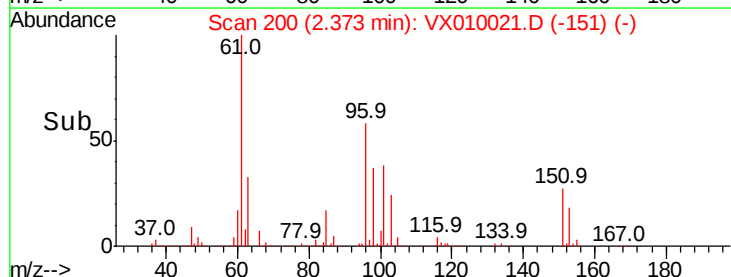
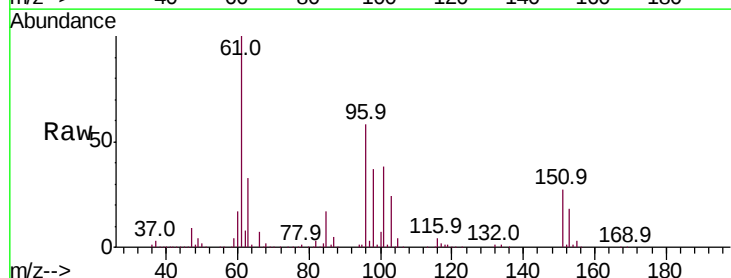
MMDadoda
6/3/2019 9:34:30 AM

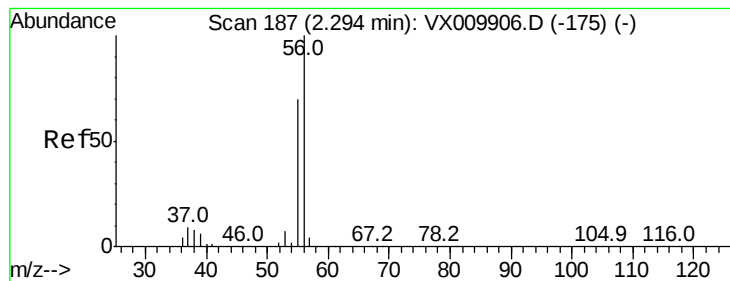


#12

1,1-Dichloroethene
Concen: 49.643 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Tgt Ion	96	61	98	Ratio	100	172.3	64.5	Resp	75083	Lower	140.7	50.1	Upper	211.1	75.1
Ion	96	61	98	Ratio	100	172.3	64.5	Resp	75083	Lower	140.7	50.1	Upper	211.1	75.1





#13

Acrolein

Concen: 236.150 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MS

Tot Ion: 56 Resp: 86436

Ion Ratio Lower Upper

56 100

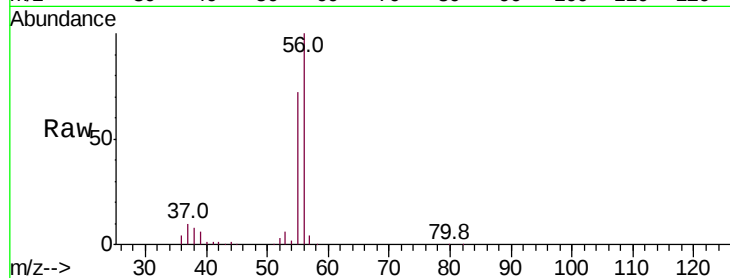
55 71.7 57.0 85.4

Manual Integrations

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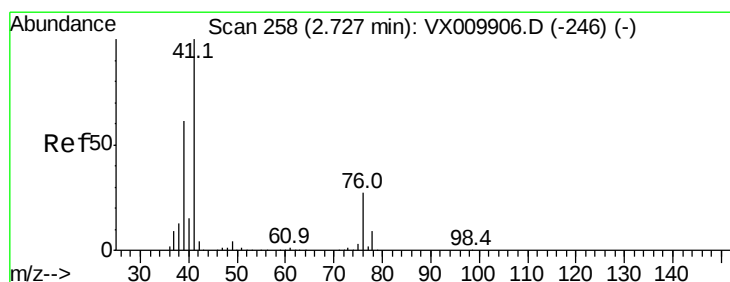
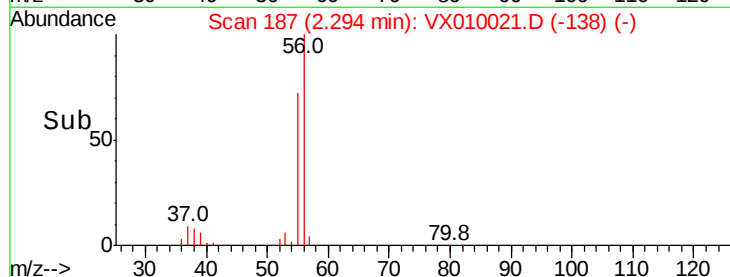
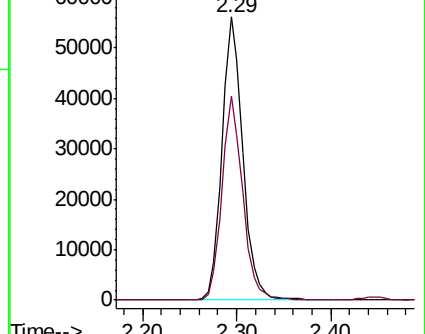
MMDadoda

6/3/2019 9:34:30 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.569 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

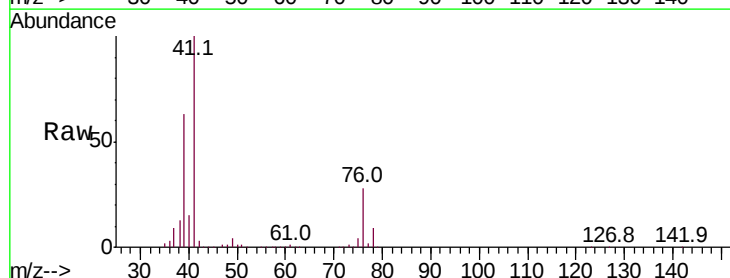
Tgt Ion: 41 Resp: 171189

Ion Ratio Lower Upper

41 100

39 58.8 46.7 70.1

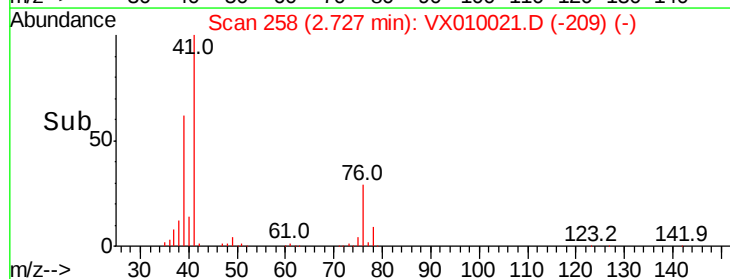
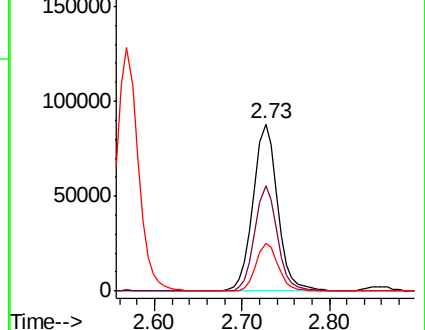
76 26.2 21.0 31.4

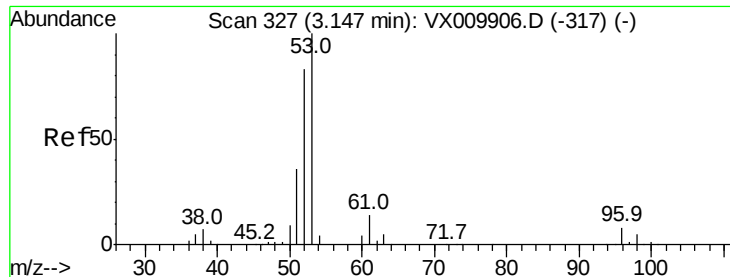


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 245.863 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

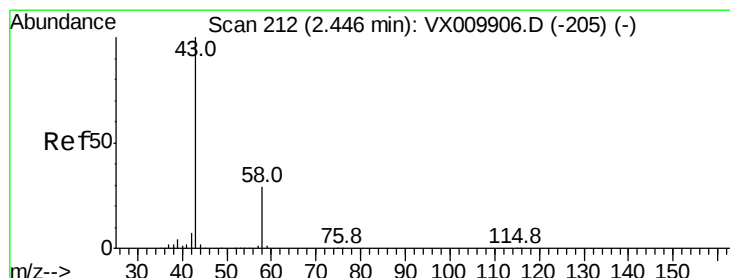
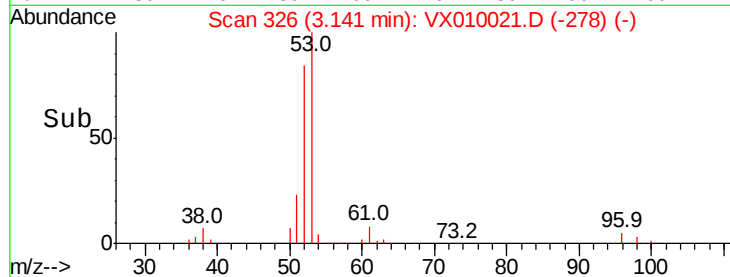
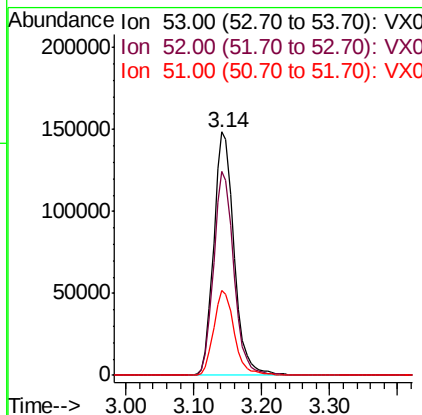
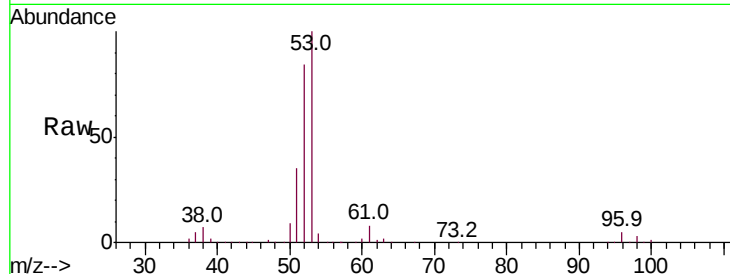
ClientSampleId :

LF012MW004-190528MS

Tot Ion:	53	Resp:	307564
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.7	100.1
51	35.2	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 221.645 ug/l

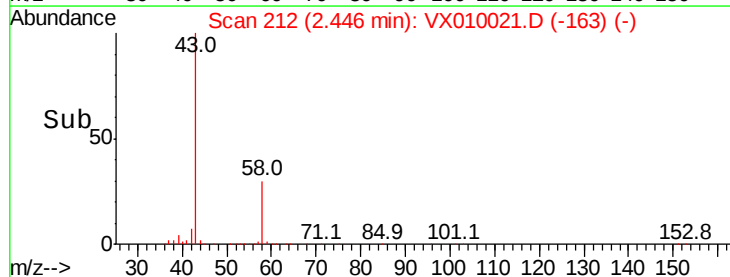
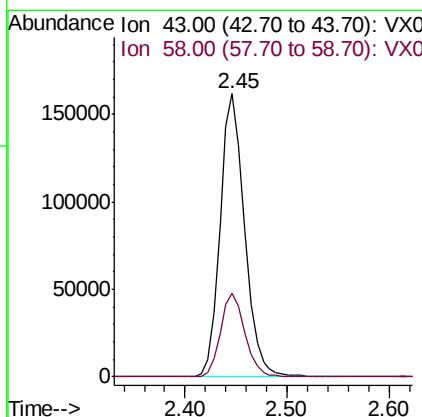
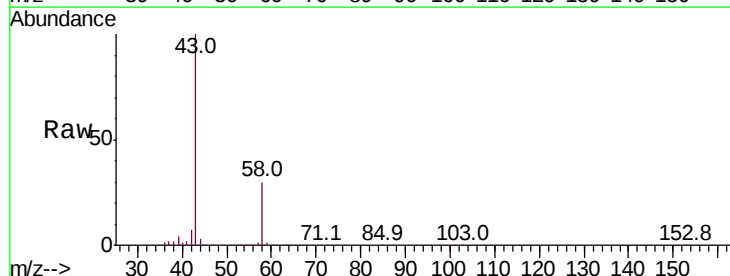
RT: 2.45 min Scan# 212

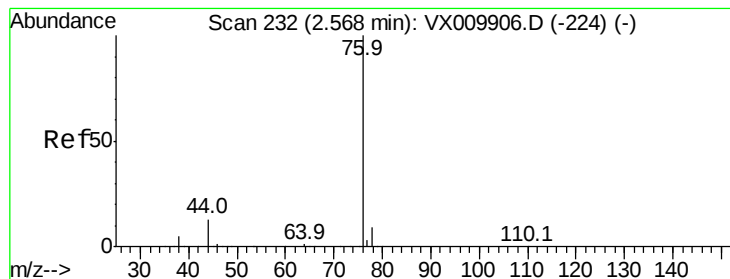
Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Tgt Ion:	43	Resp:	270164
Ion Ratio	Lower	Upper	
43	100		
58	29.7	23.2	34.8





#17

Carbon Disulfide

Concen: 47.511 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MS

Tot Ion: 76 Resp: 217499

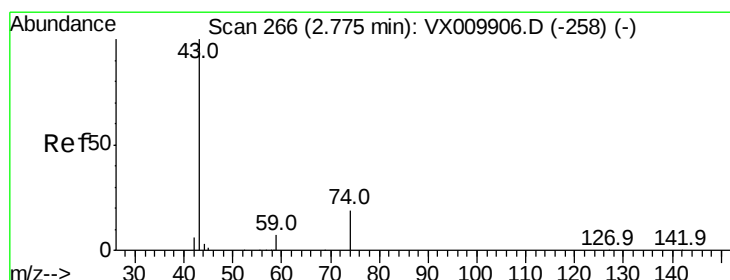
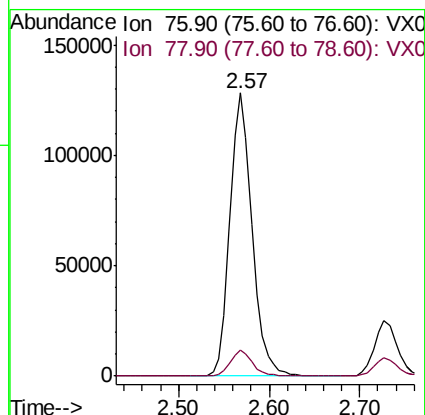
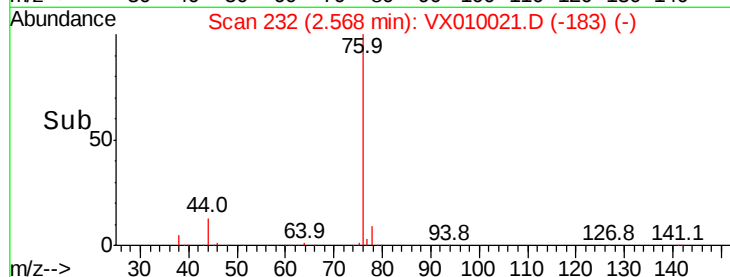
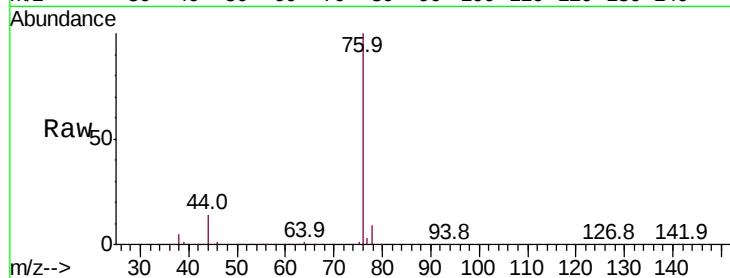
Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6

Manual Integrations
APPROVED

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#18

Methyl Acetate

Concen: 47.268 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010021.D

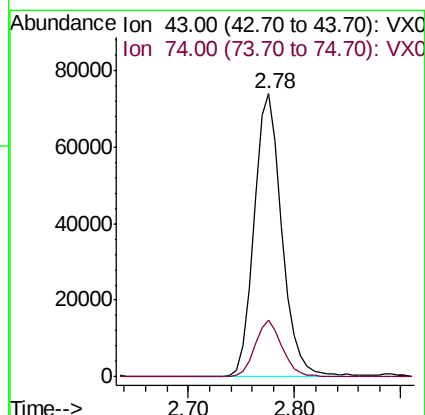
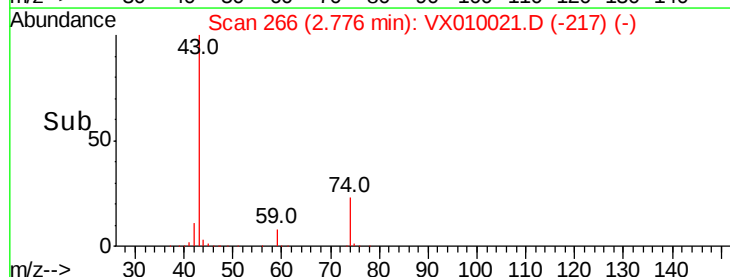
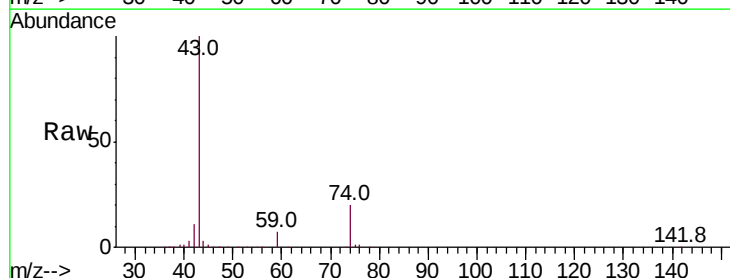
Acq: 01 Jun 2019 06:26

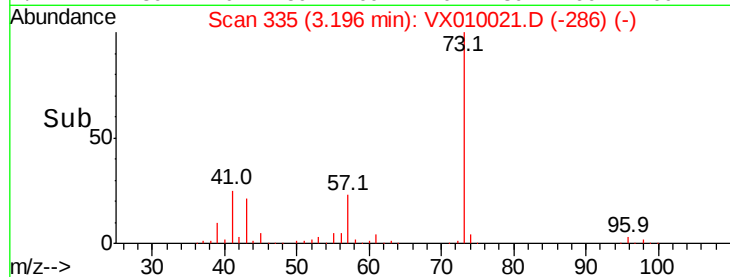
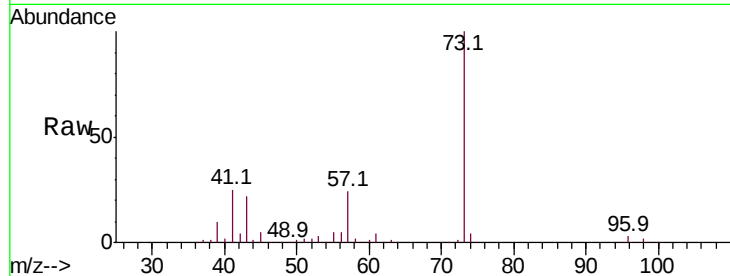
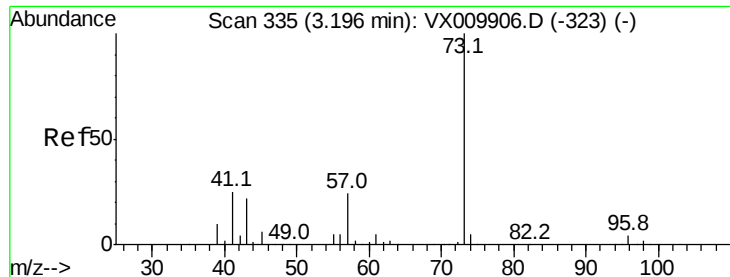
Tgt Ion: 43 Resp: 134062

Ion Ratio Lower Upper

43 100

74 20.0 15.8 23.6





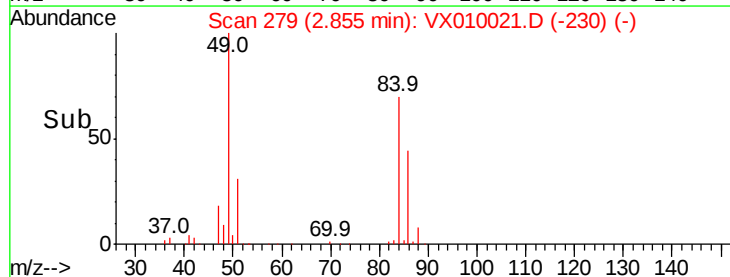
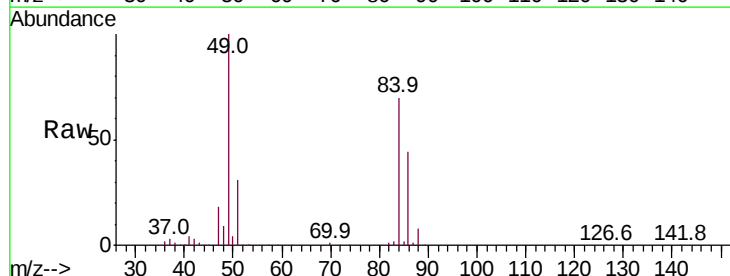
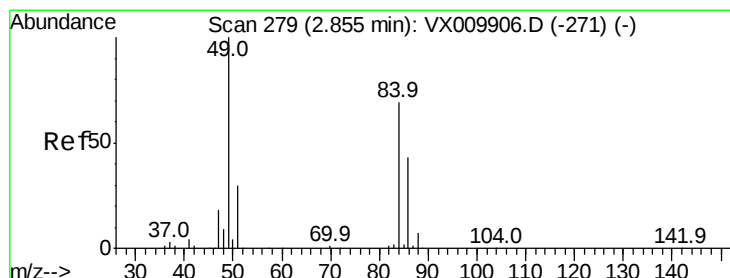
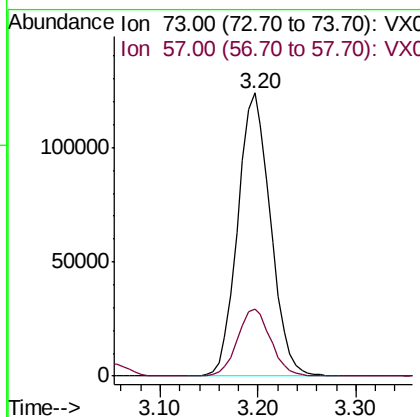
#19
Methvl tert-butvl Ether
Concen: 50.477 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.4	29.2

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MS

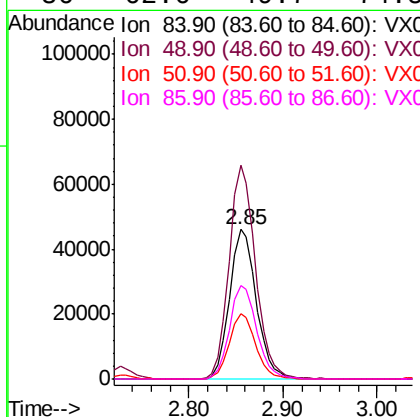
Manual Integrations
APPROVED

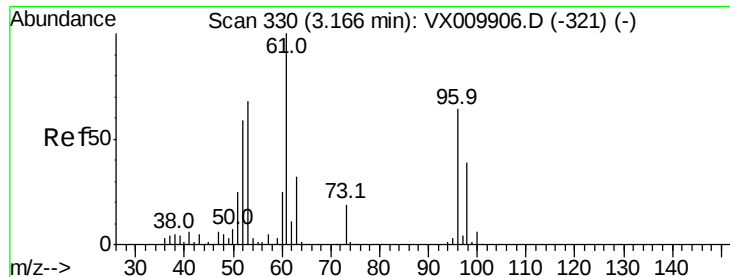
MMDadoda
6/3/2019 9:34:30 AM



#20
Methylene Chloride
Concen: 48.878 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.7	115.8	173.6
51	43.7	34.4	51.6
86	62.6	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 48.228 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MS

Tot Ion: 96 Resp: 81163

Ion Ratio Lower Upper

96 100

61 159.8 125.7 188.5

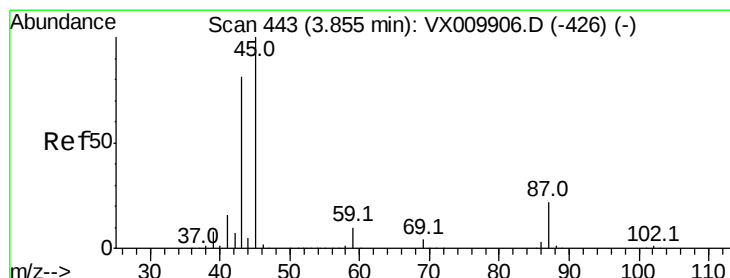
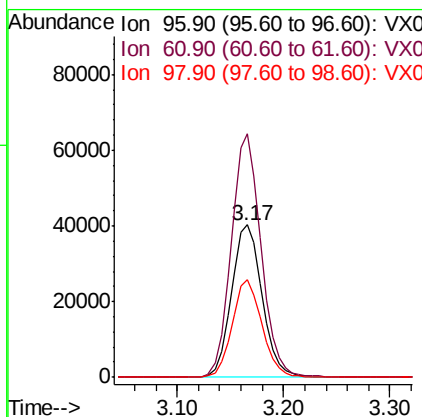
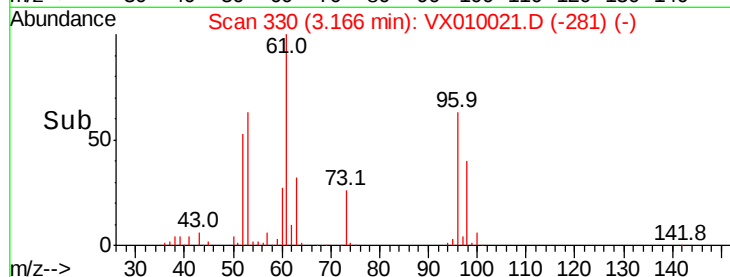
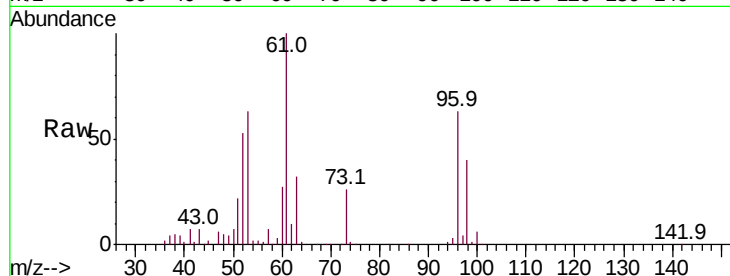
98 64.4 49.0 73.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 49.926 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Tgt Ion: 45 Resp: 349204

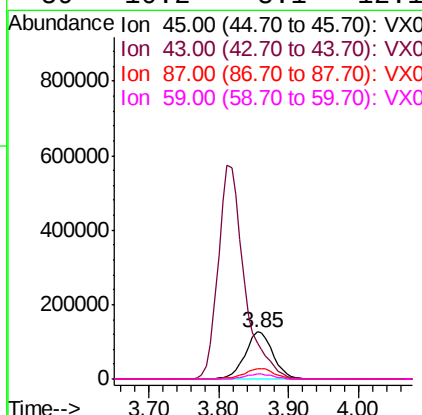
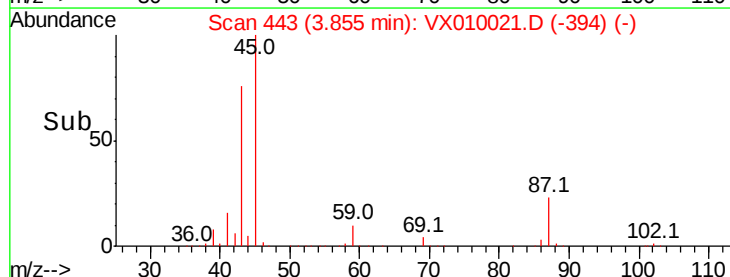
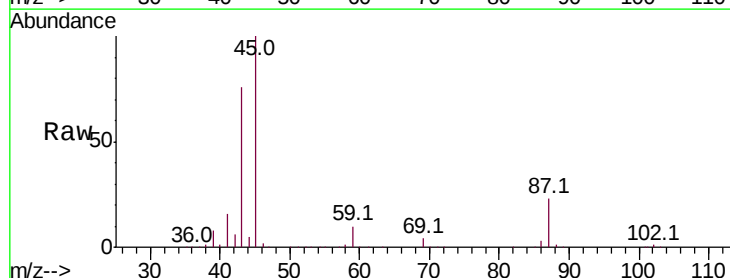
Ion Ratio Lower Upper

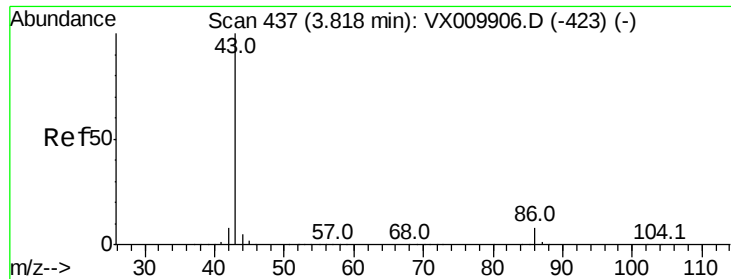
45 100

43 76.4 65.0 97.4

87 22.6 17.3 25.9

59 10.2 8.1 12.1





#23

Vinyl Acetate

Concen: 238.563 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MS

Tot Ion: 43 Resp: 1498996

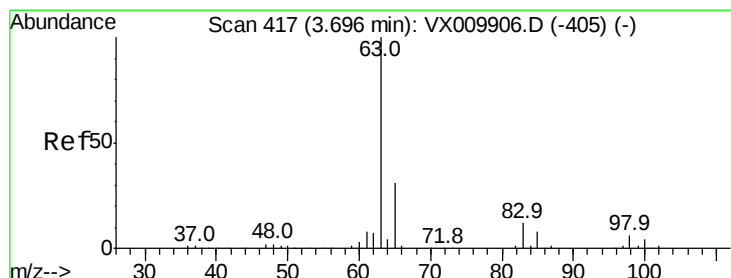
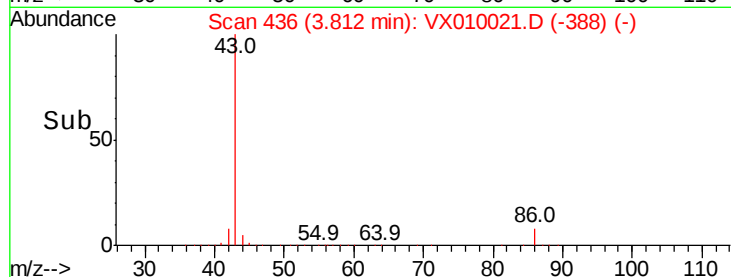
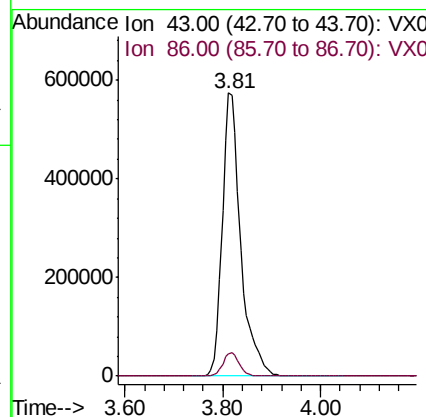
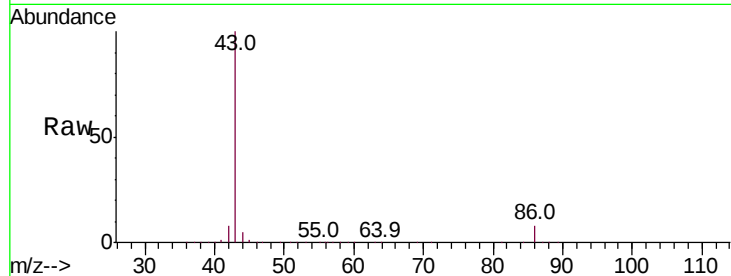
Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7

Manual Integrations
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6/3/2019 9:34:30 AM



#24

1,1-Dichloroethane

Concen: 49.657 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

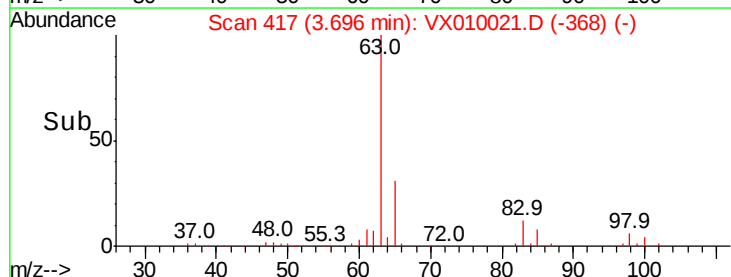
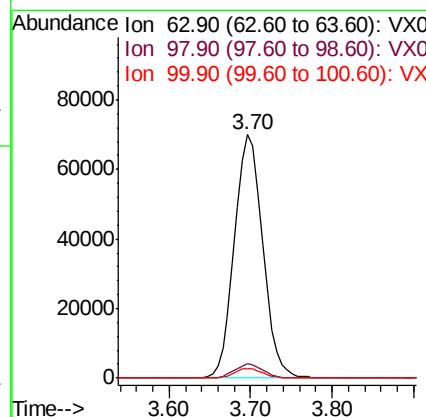
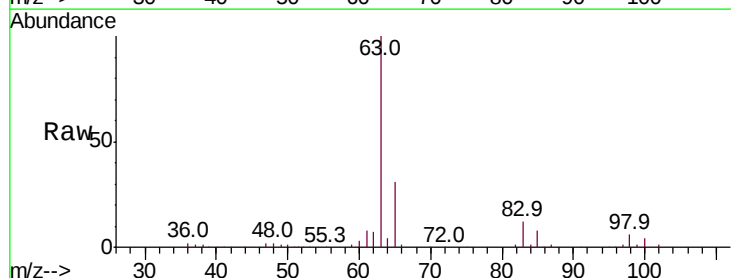
Tgt Ion: 63 Resp: 168319

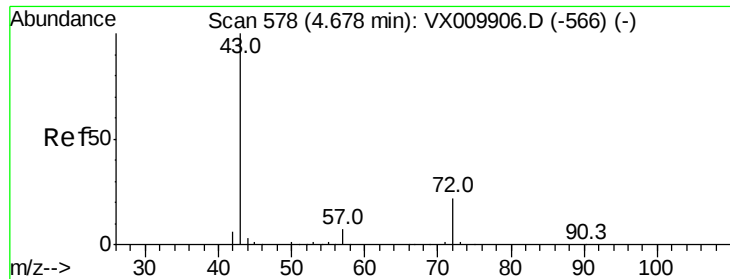
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 3.9 1.8 5.4





#25

2-Butanone

Concen: 240.349 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MS

Tot Ion: 43 Resp: 456431

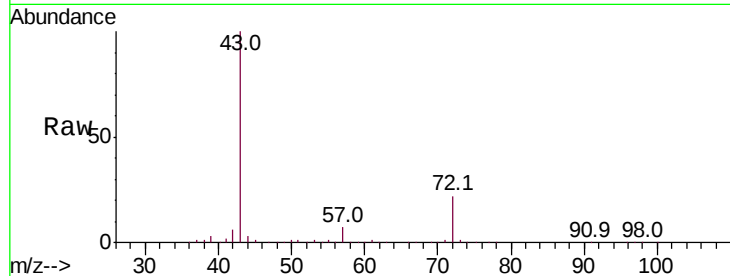
Ion Ratio Lower Upper

43 100

72 21.5 17.5 26.3

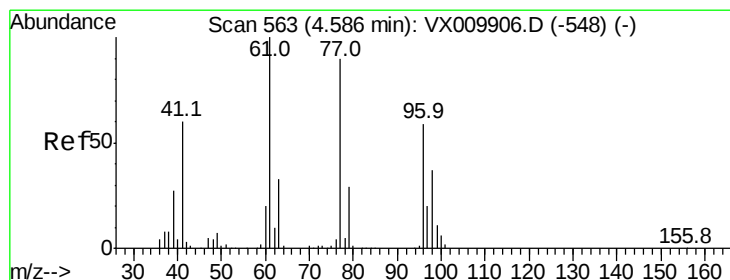
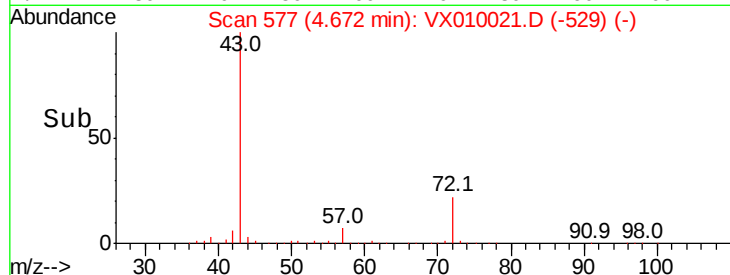
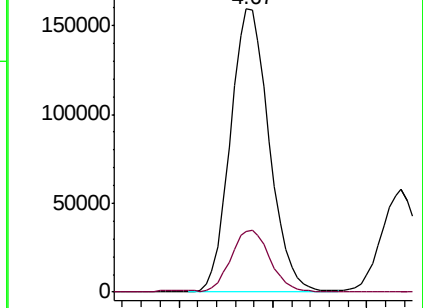
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 28.239 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX010021.D

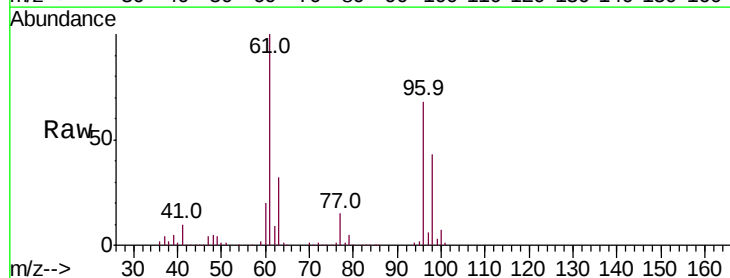
Acq: 01 Jun 2019 06:26

Tgt Ion: 77 Resp: 72409

Ion Ratio Lower Upper

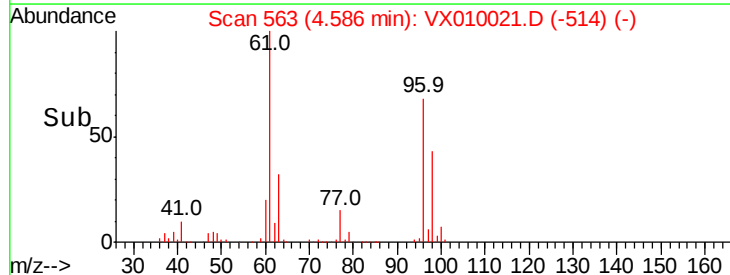
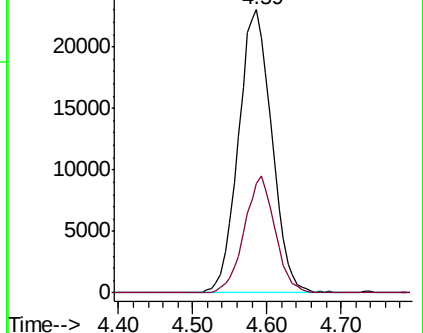
77 100

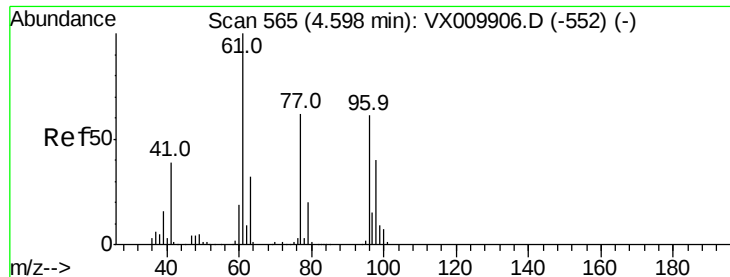
97 37.9 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

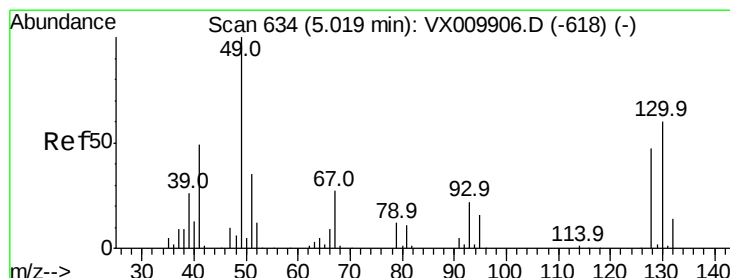
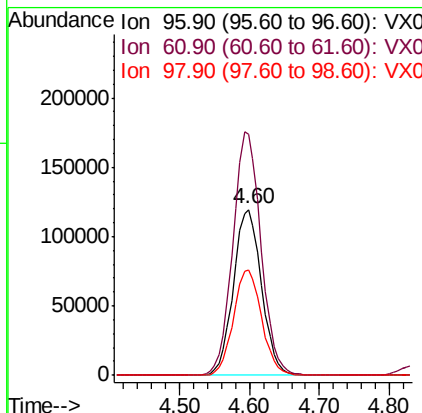
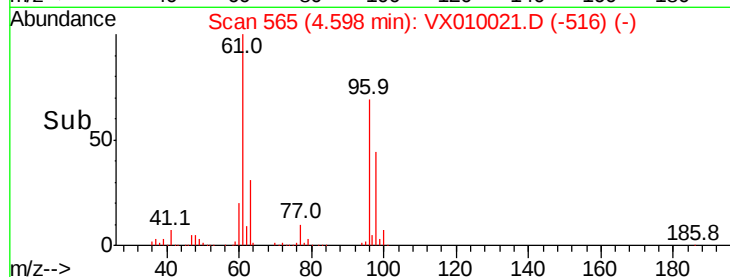
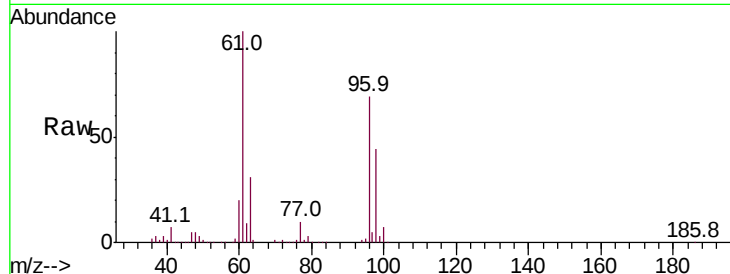
cis-1,2-Dichloroethene
Concen: 171.957 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	334043		
61	146.5	0.0	334.0	
98	63.9	0.0	131.6	

Manual Integrations
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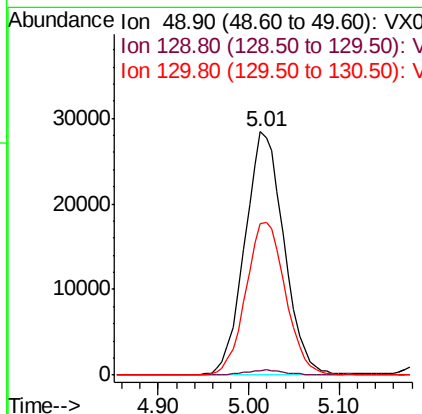
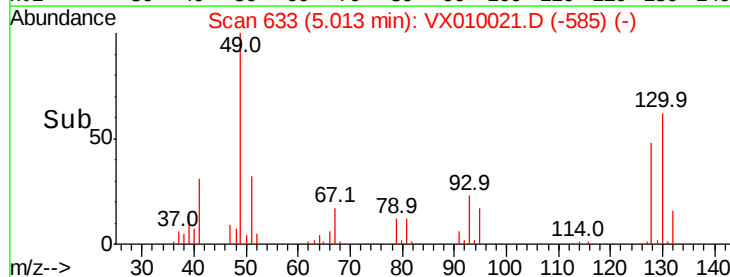
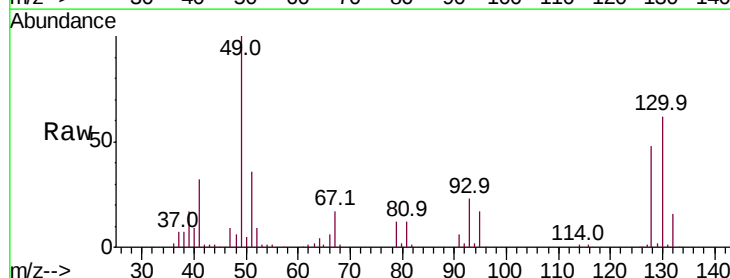
MMDadoda
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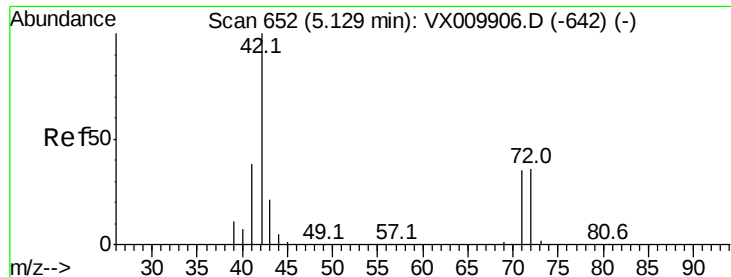


#28

Bromochloromethane
Concen: 48.312 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	84979		
129	2.1	0.0	3.4	
130	63.5	49.4	74.2	





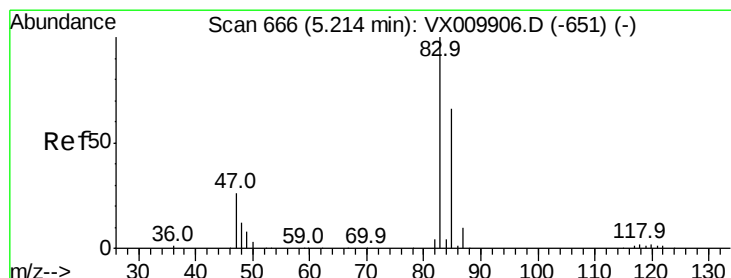
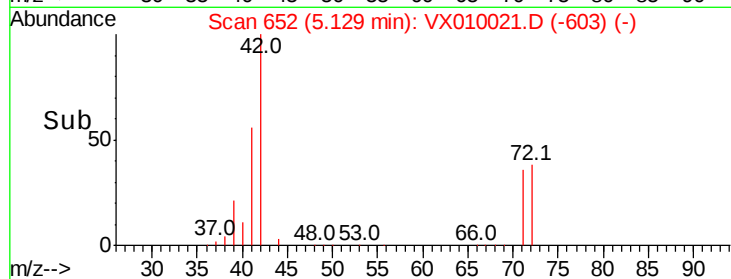
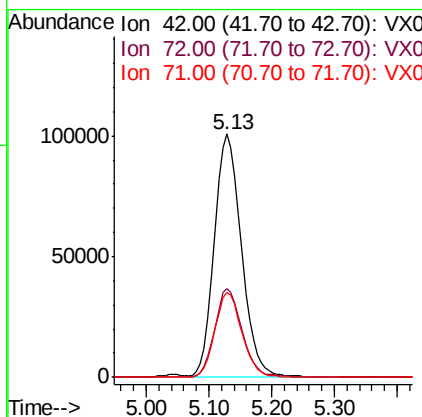
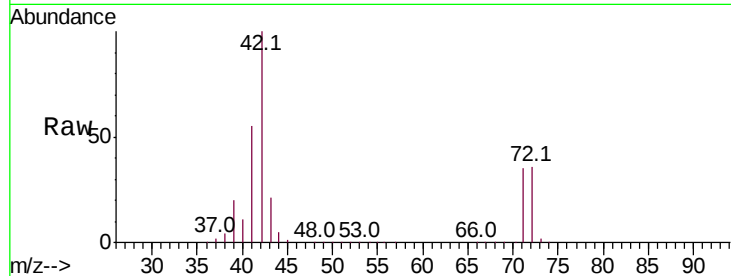
#29
Tetrahydrofuran
Concen: 247.549 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	29.2	43.8
71	34.9	27.6	41.4

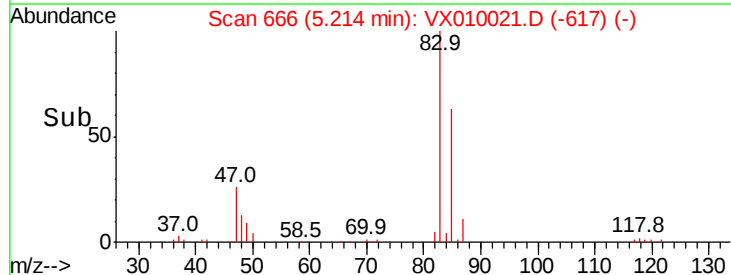
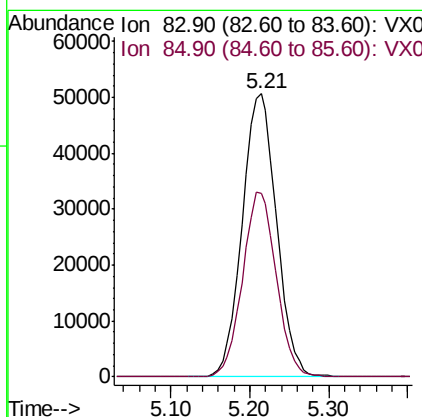
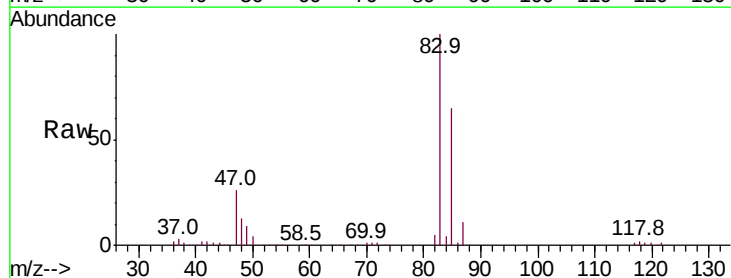
Manual Integrations
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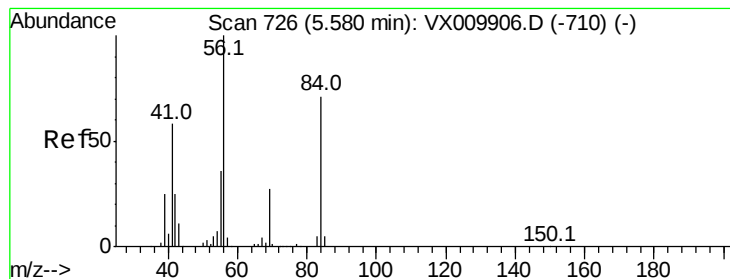
MMDadoda
6/3/2019 9:34:30 AM



#30
Chloroform
Concen: 50.149 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.6	78.8





#31

Cyclohexane

Concen: 49.737 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MS

Tot Ion: 56 Resp: 159678

Ion Ratio Lower Upper

56 100

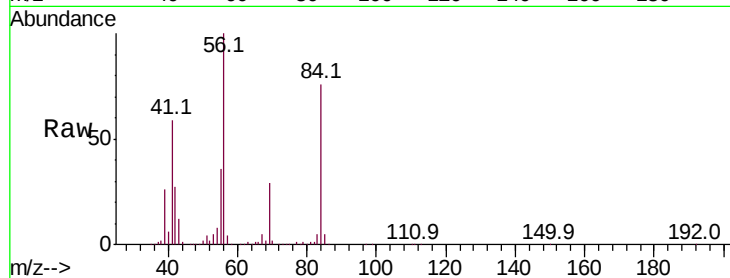
69 28.8 21.6 32.4

84 74.6 56.8 85.2

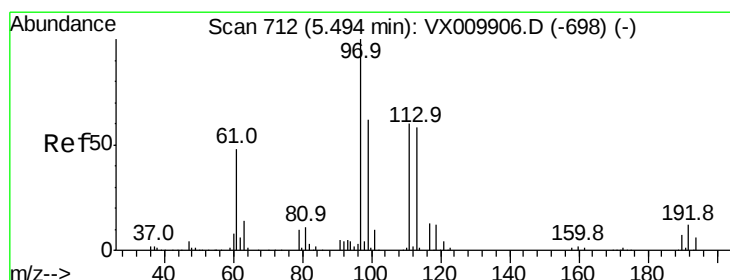
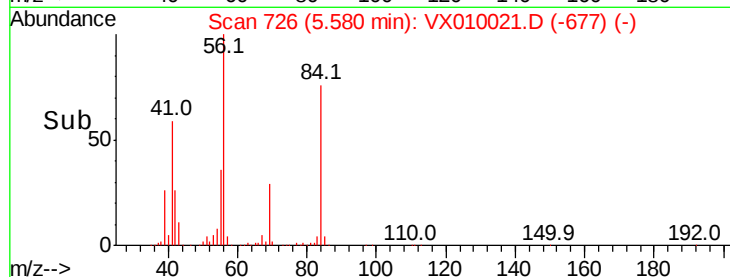
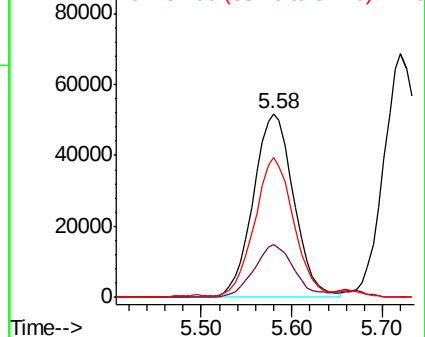
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 51.466 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

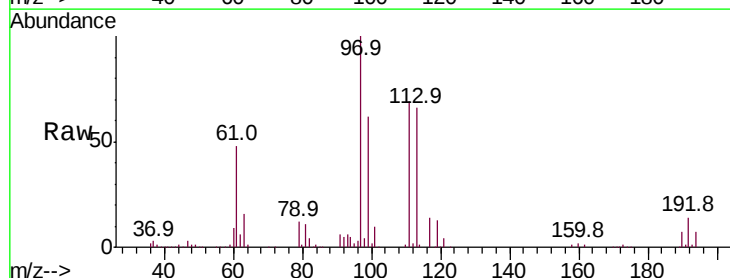
Tgt Ion: 97 Resp: 128130

Ion Ratio Lower Upper

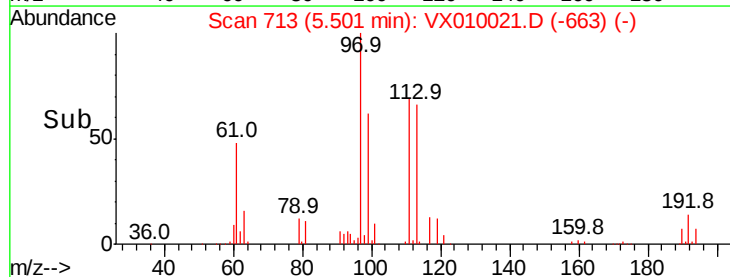
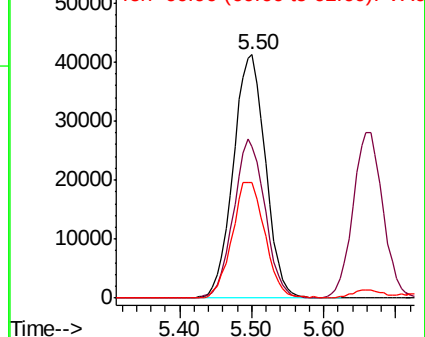
97 100

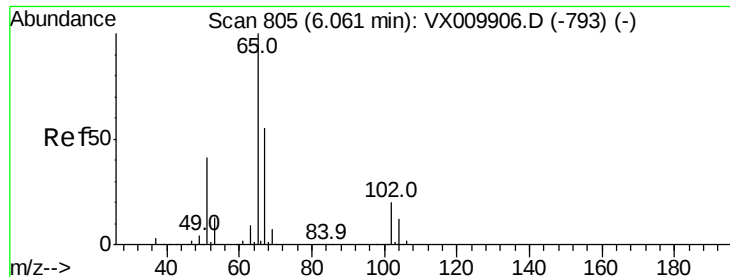
99 63.6 51.0 76.4

61 48.5 38.7 58.1



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.660 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MS

Tot Ion: 65 Resp: 108984

Ion Ratio Lower Upper

65 100

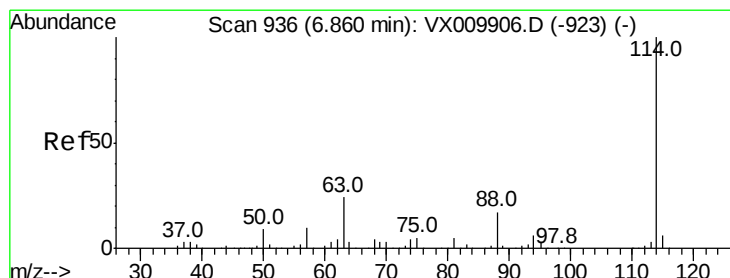
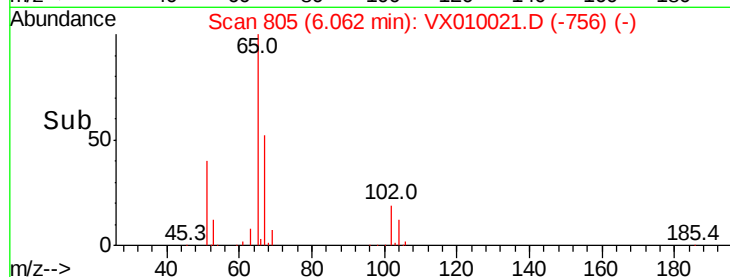
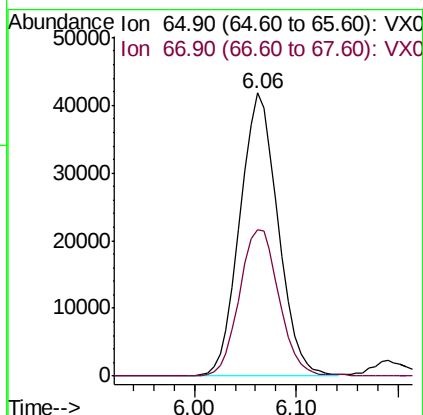
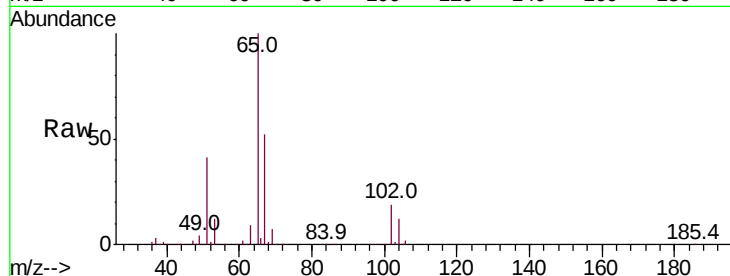
67 53.6 0.0 108.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

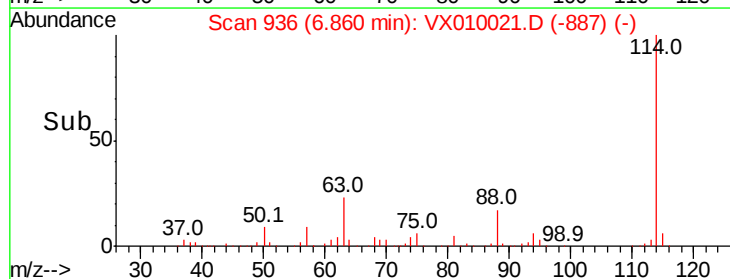
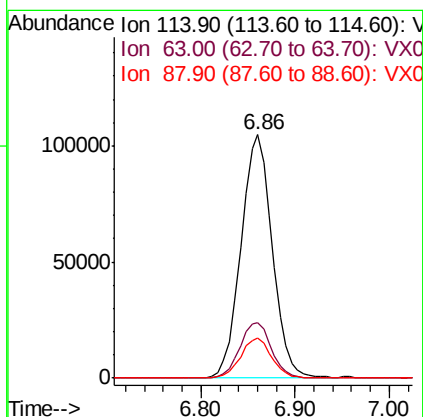
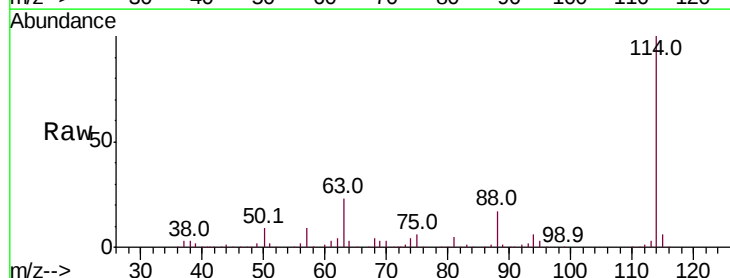
Tgt Ion: 114 Resp: 243233

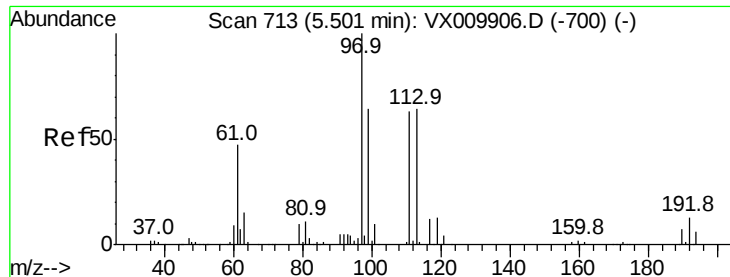
Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.4

88 16.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 52.317 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

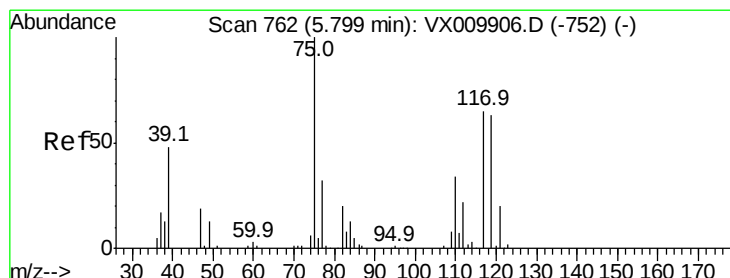
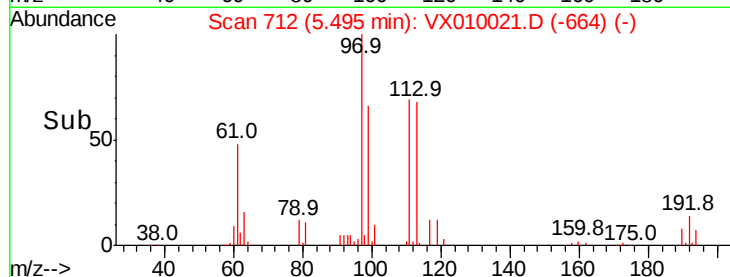
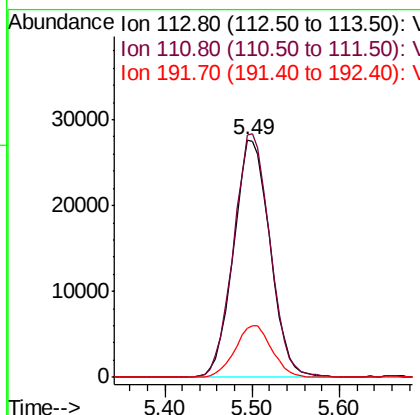
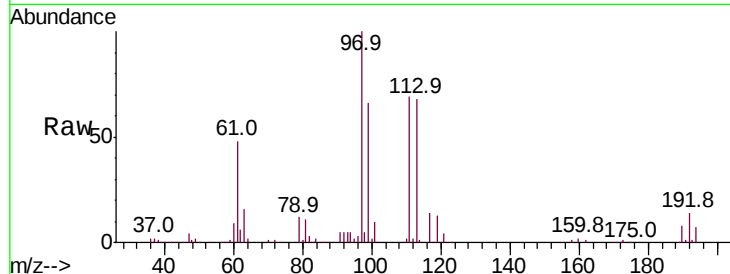
ClientSampleId :

LF012MW004-190528MS

Tot Ion:	113	Resp:	80004
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.2
192	22.0	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.960 ug/l

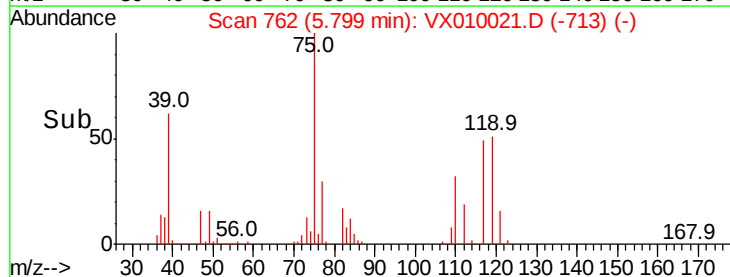
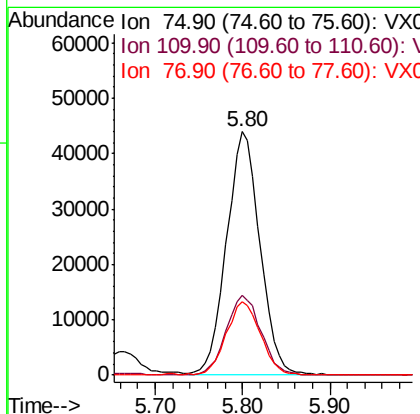
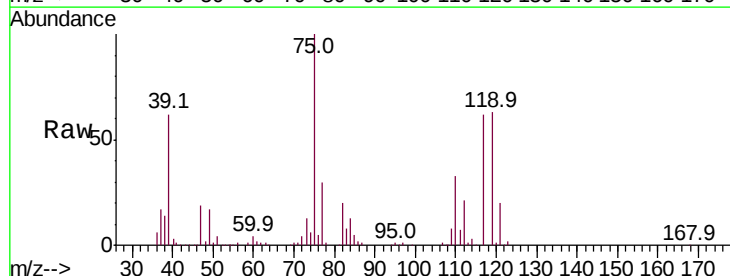
RT: 5.80 min Scan# 762

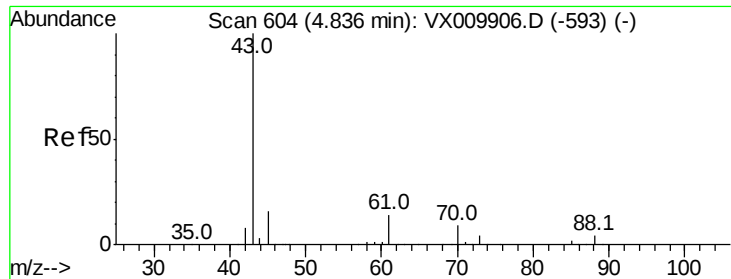
Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Tgt Ion:	75	Resp:	115893
Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.7	50.1
77	31.0	25.0	37.4





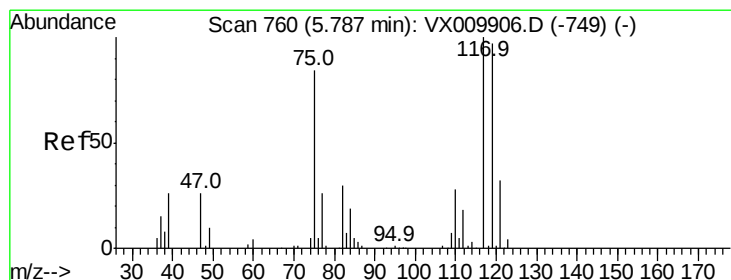
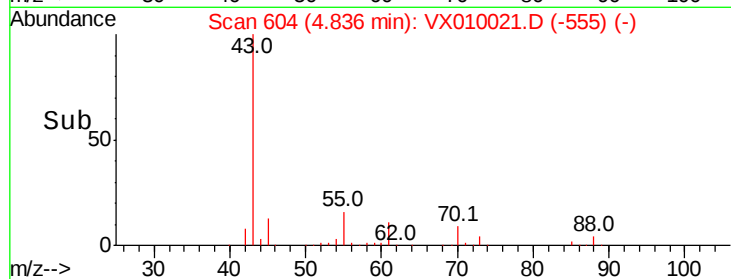
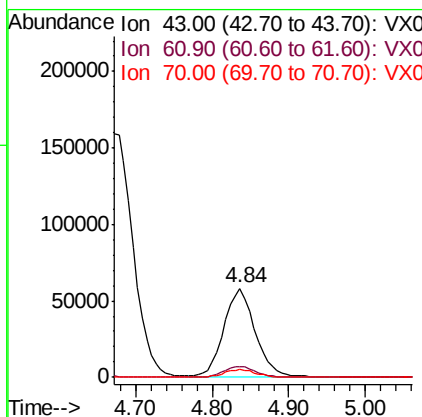
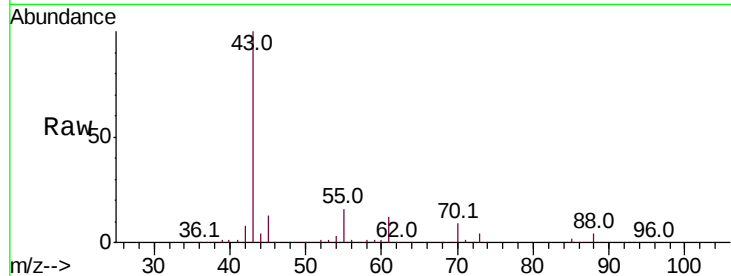
#37
Ethyl Acetate
Concen: 47.875 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.2
70	9.3	7.4	11.2

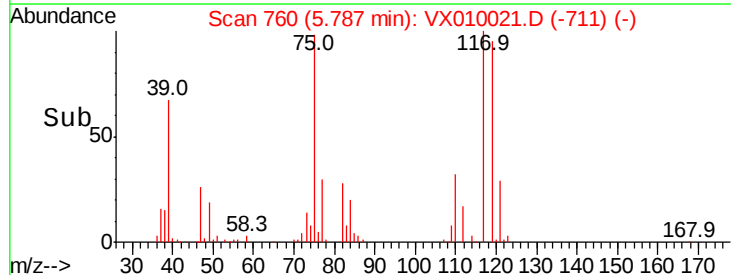
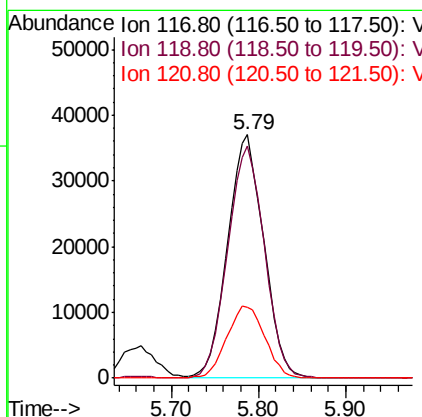
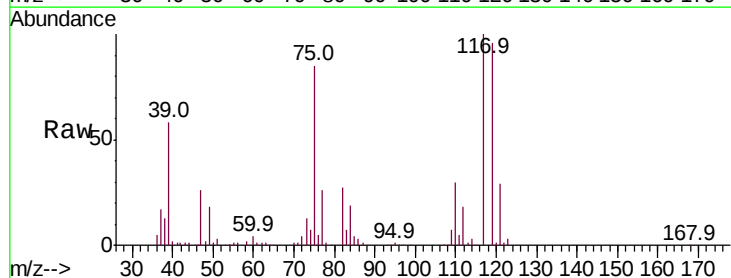
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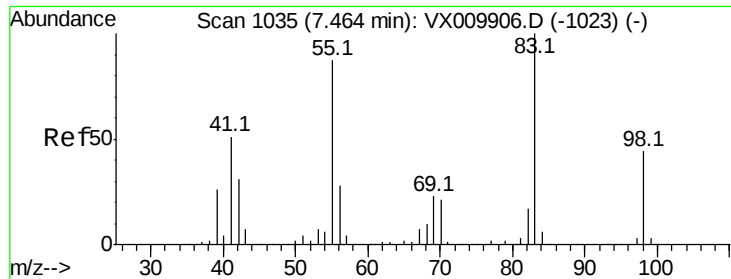
MMDadoda
6/3/2019 9:34:30 AM



#38
Carbon Tetrachloride
Concen: 49.838 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.3	115.9
121	29.2	25.4	38.0





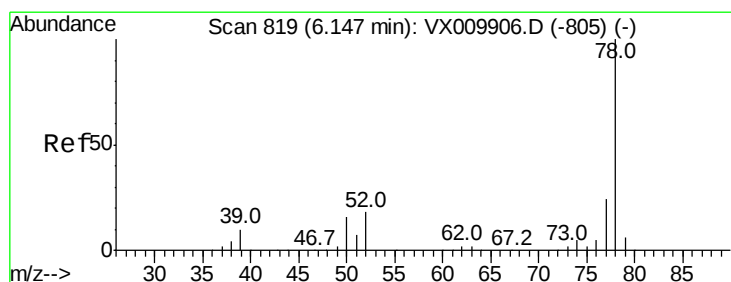
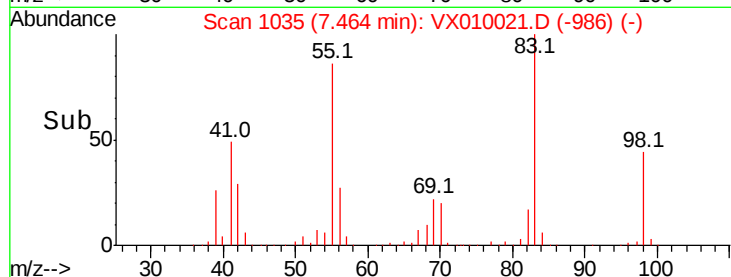
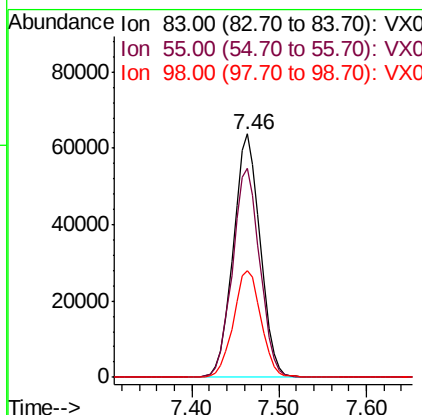
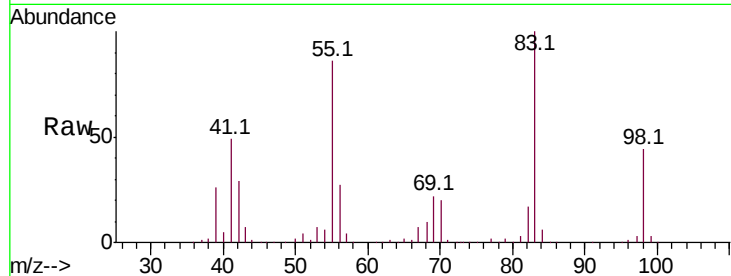
#39
Methvlcvclohexane
Concen: 46.639 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.0	69.9	104.9
98	43.8	35.1	52.7

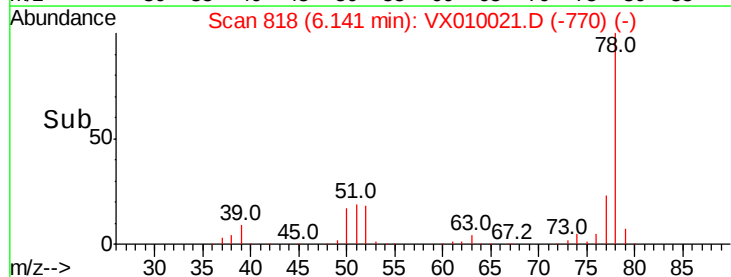
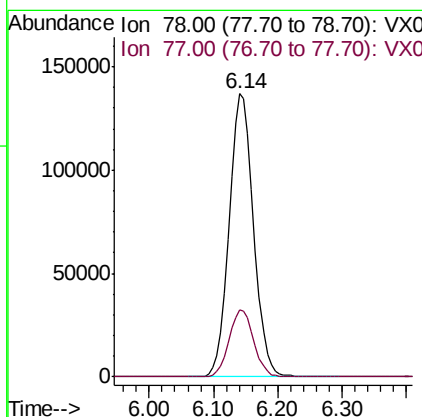
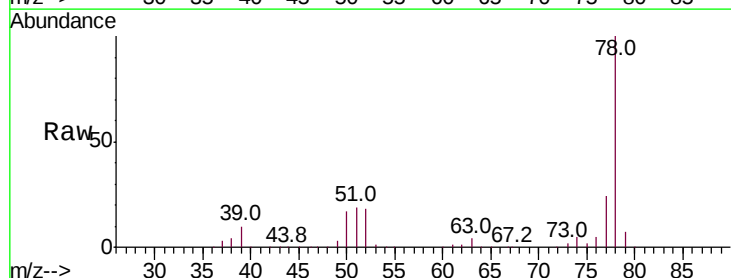
Manual Integrations
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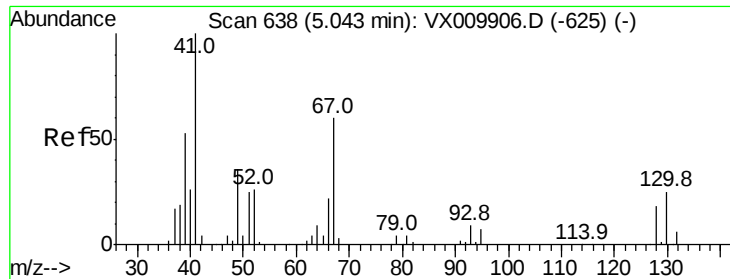
MMDadoda
6/3/2019 9:34:30 AM



#40
Benzene
Concen: 49.493 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





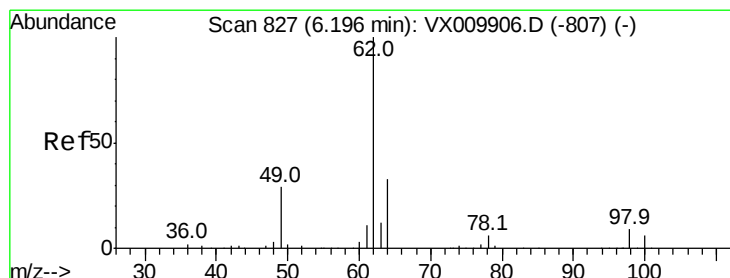
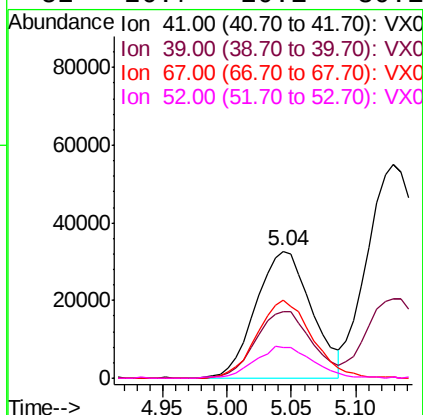
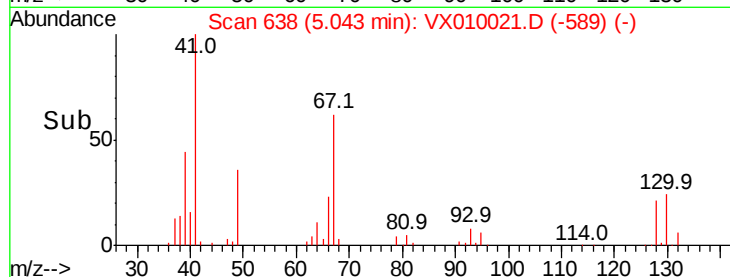
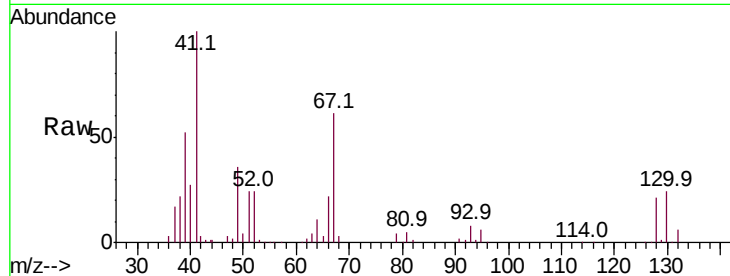
#41
Methacrylonitrile
Concen: 48.812 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	42.2	63.4	
67	61.2	48.9	73.3	
52	26.7	20.1	30.1	

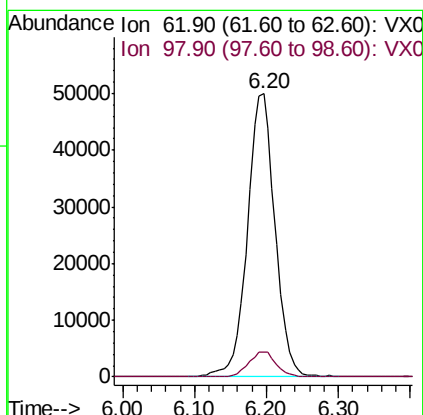
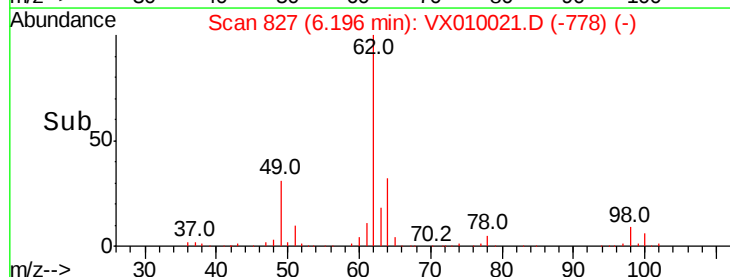
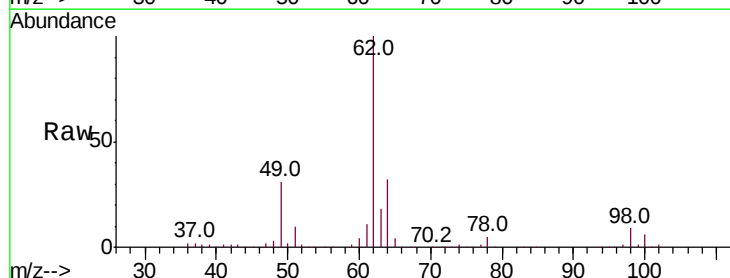
Manual Integrations
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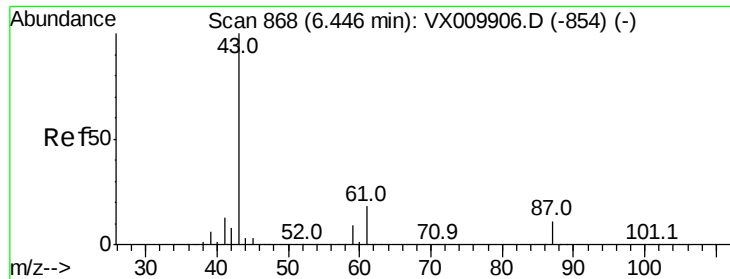
MMDadoda
6/3/2019 9:34:30 AM



#42
1,2-Dichloroethane
Concen: 48.840 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	17.2	





#43

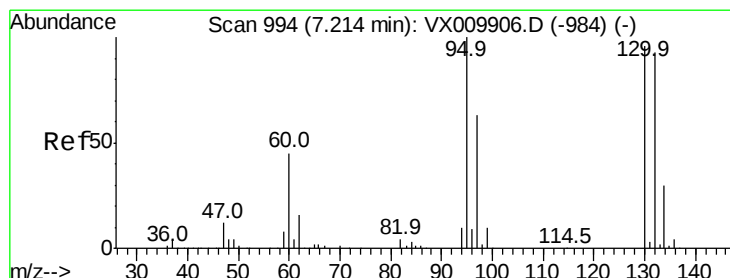
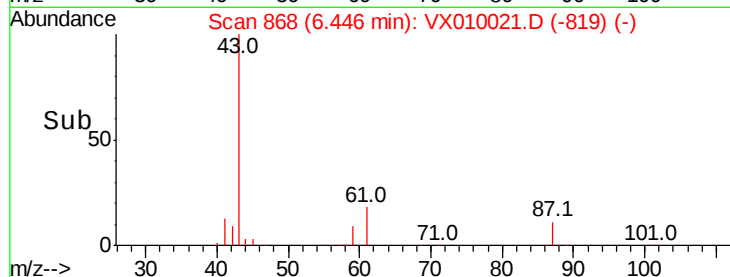
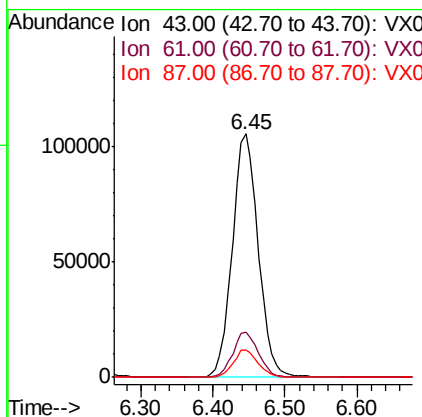
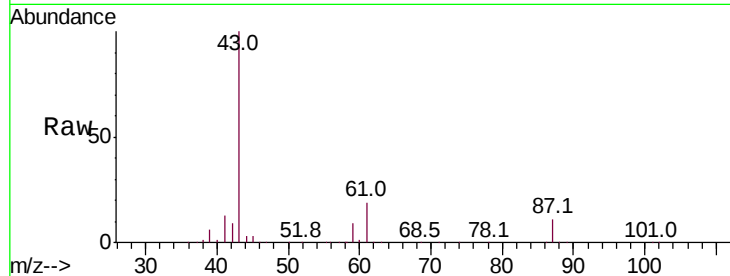
Isopropyl Acetate
 Concen: 47.391 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010021.D
 Acq: 01 Jun 2019 06:26

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.6	21.8
87	11.0	8.7	13.1

Manual Integrations
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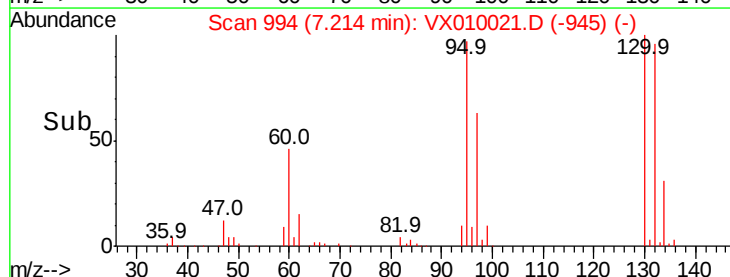
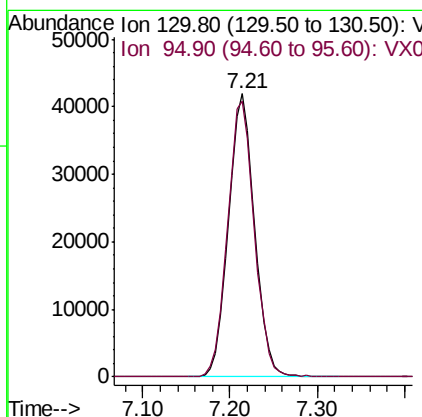
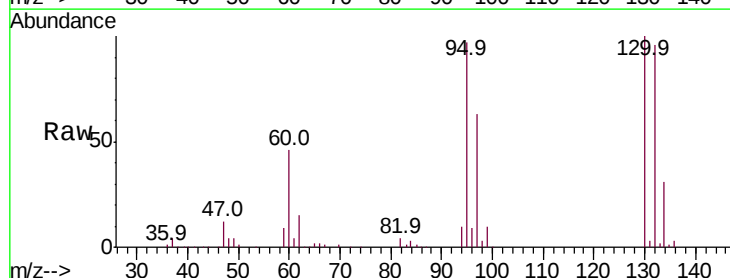
MMDadoda
 6/3/2019 9:34:30 AM

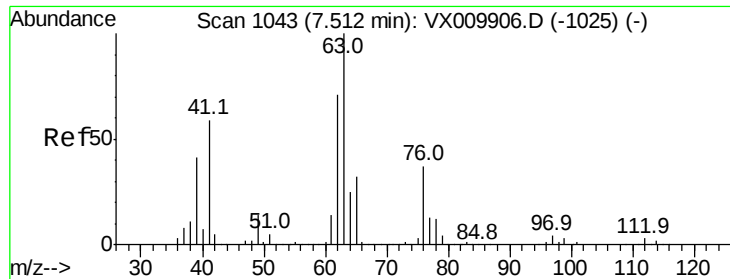


#44

Trichloroethene
 Concen: 49.069 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010021.D
 Acq: 01 Jun 2019 06:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	207.4





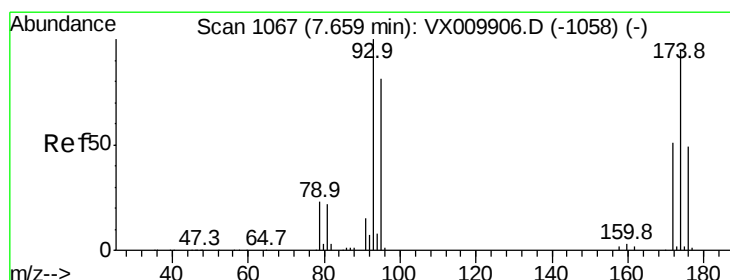
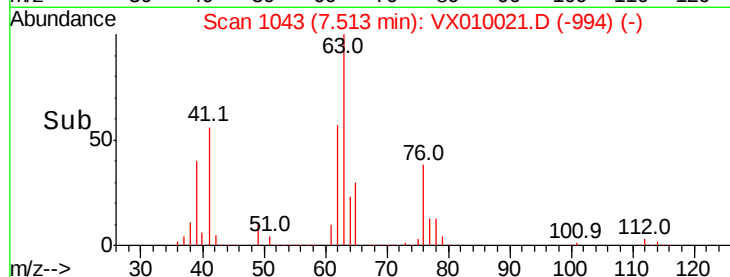
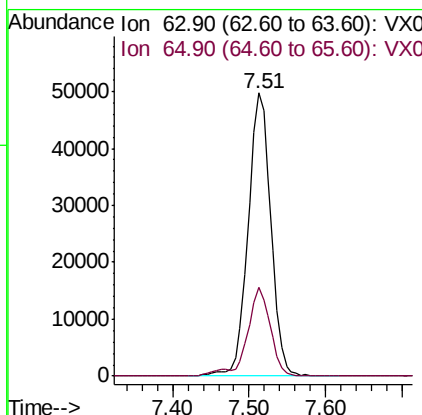
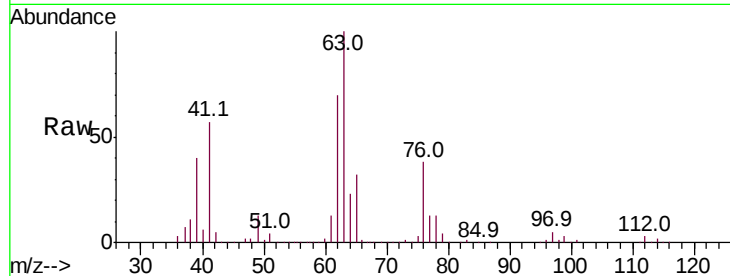
#45
 1,2-Dichloropropane
 Concen: 48.975 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010021.D
 Acq: 01 Jun 2019 06:26

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MS

Tot Ion: 63 Resp: 103210
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.7 38.5

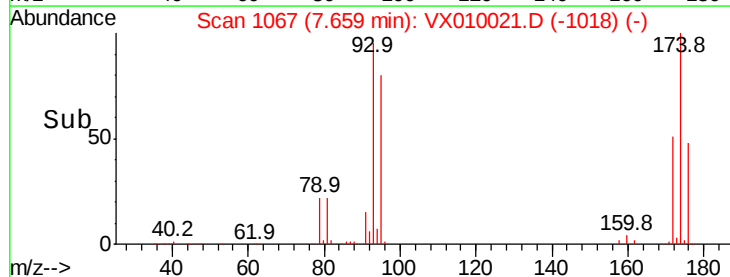
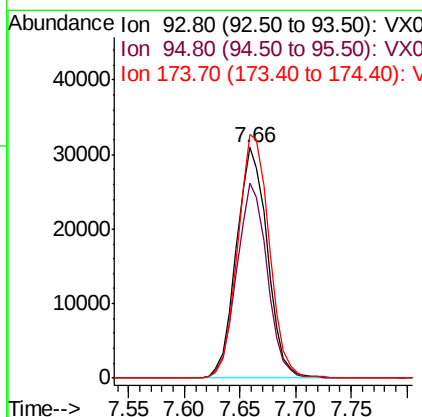
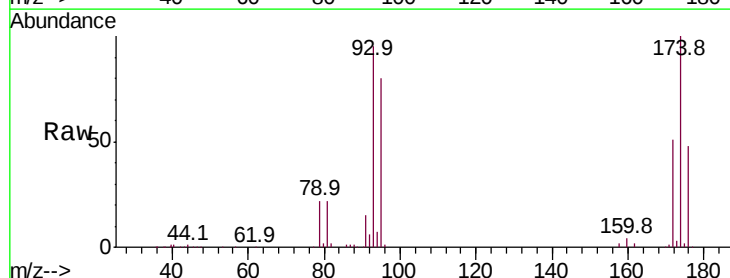
Manual Integrations
 APPROVED

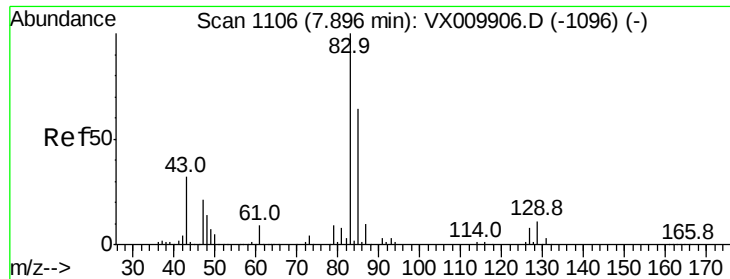
MMDadoda
 6/3/2019 9:34:30 AM



#46
 Dibromomethane
 Concen: 48.156 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010021.D
 Acq: 01 Jun 2019 06:26

Tgt Ion: 93 Resp: 59737
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.8 100.2
 174 107.1 81.9 122.9





#47

Bromodichloromethane

Concen: 51.228 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

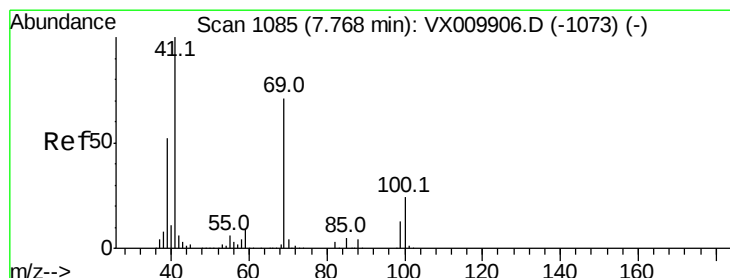
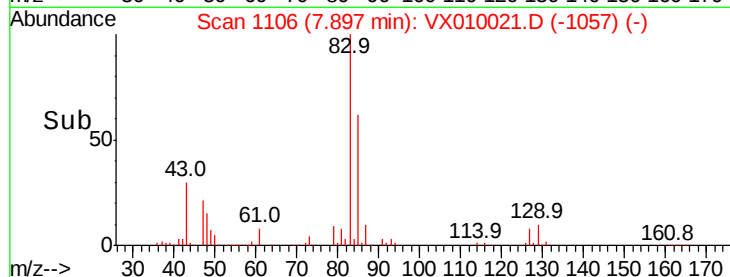
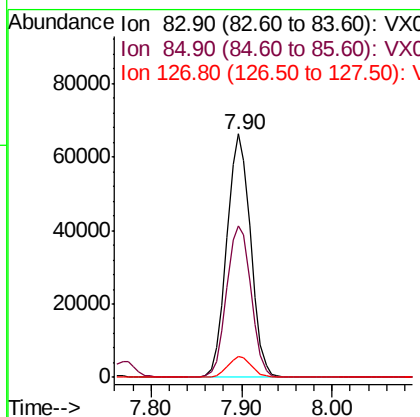
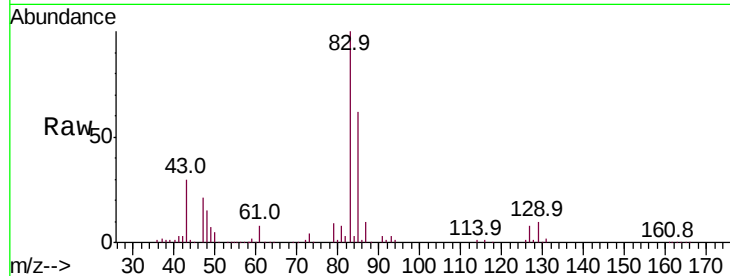
ClientSampleId :

LF012MW004-190528MS

Tot Ion:	83	Resp:	120843
Ion Ratio	Lower	Upper	
83	100		
85	62.1	51.4	77.2
127	8.3	6.4	9.6

Manual Integrations
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MMDadoda
6/3/2019 9:34:30 AM



#48

Methyl methacrylate

Concen: 50.648 ug/l

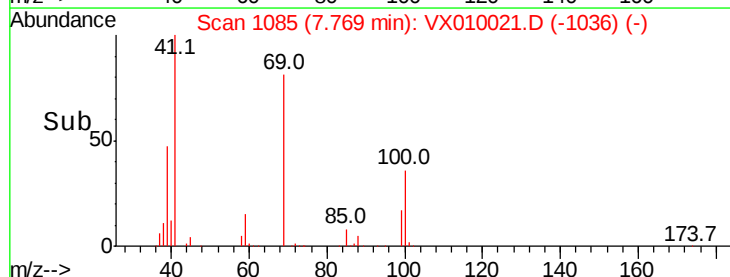
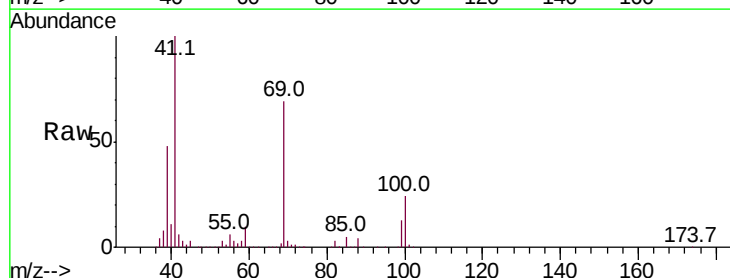
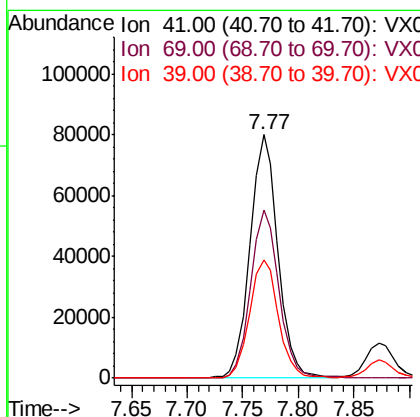
RT: 7.77 min Scan# 1085

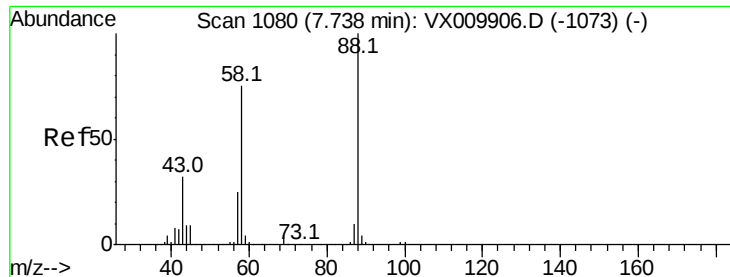
Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Tgt Ion:	41	Resp:	139114
Ion Ratio	Lower	Upper	
41	100		
69	70.8	56.4	84.6
39	50.1	40.6	60.8





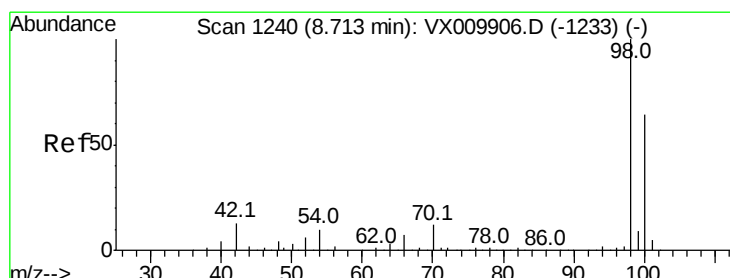
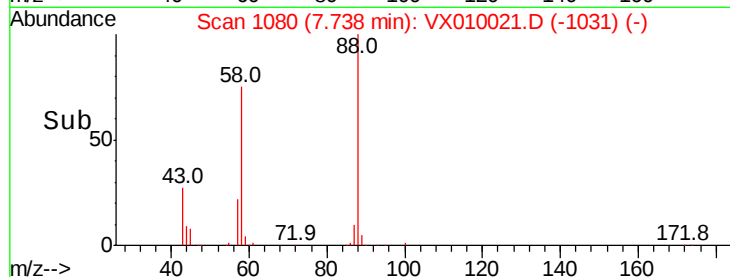
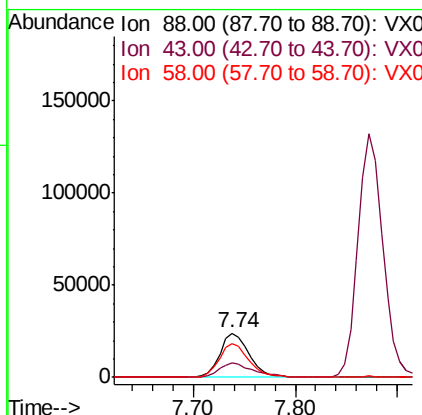
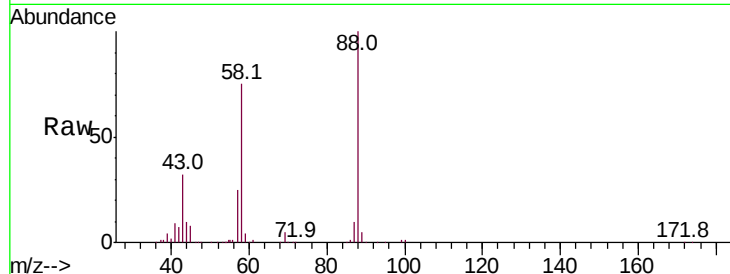
#49
1,4-Dioxane
Concen: 935.332 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.9	30.2	45.4
58	77.7	64.0	96.0

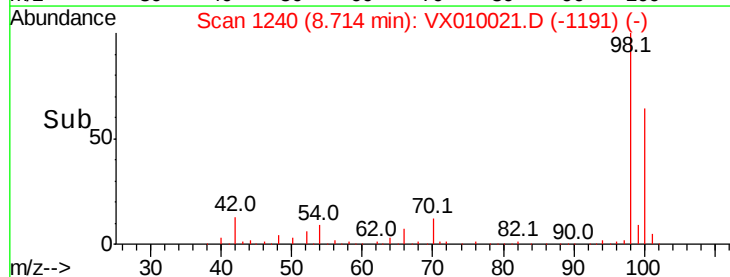
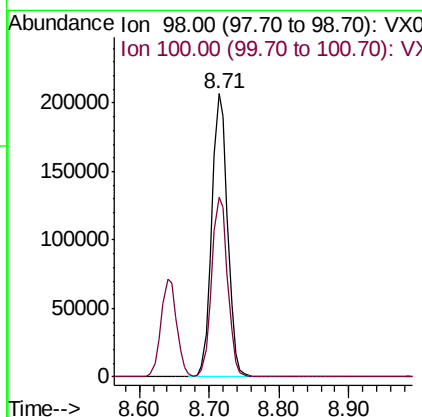
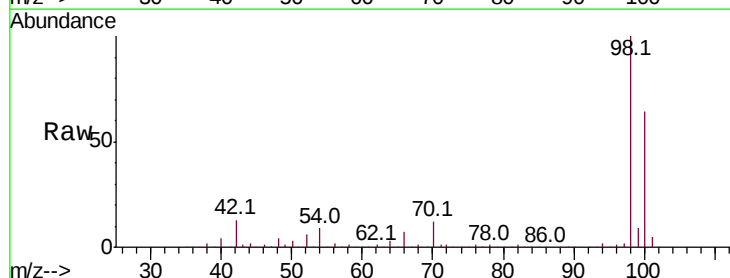
Manual Integrations
APPROVED

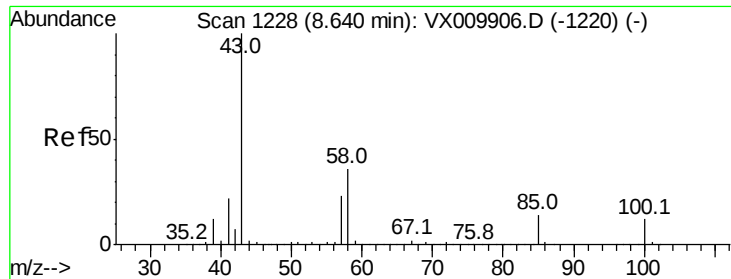
MMDadoda
6/3/2019 9:34:30 AM



#50
Toluene-d8
Concen: 52.497 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 252.597 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MS

Tot Ion: 43 Resp: 911711

Ion Ratio Lower Upper

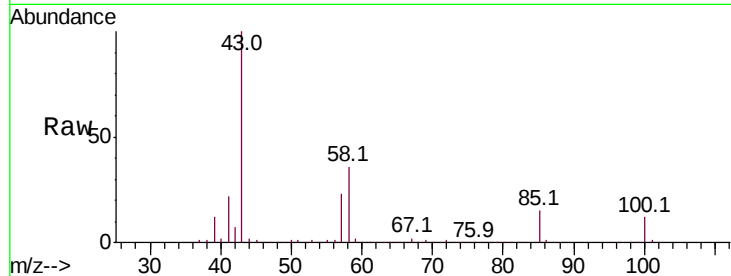
43 100

58 36.1 28.8 43.2

Manual Integrations
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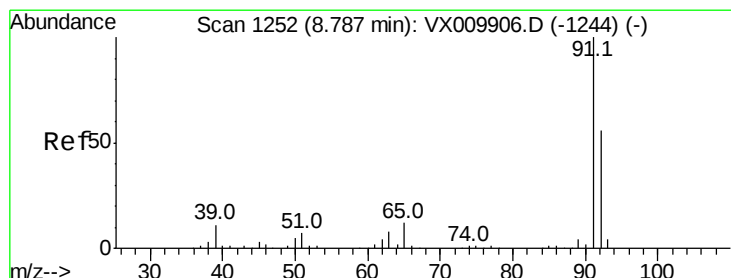
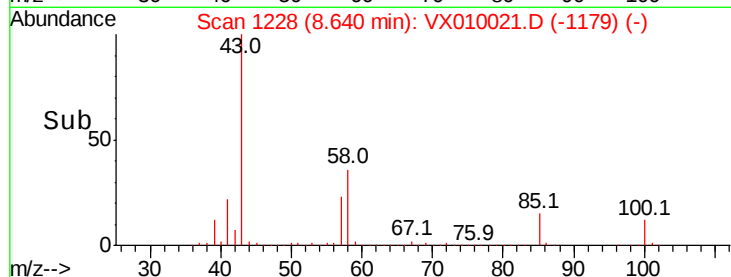
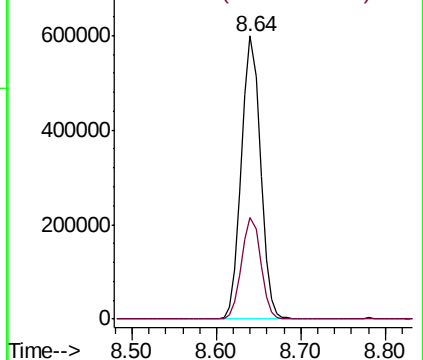
MMDadoda

6/3/2019 9:34:30 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.966 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010021.D

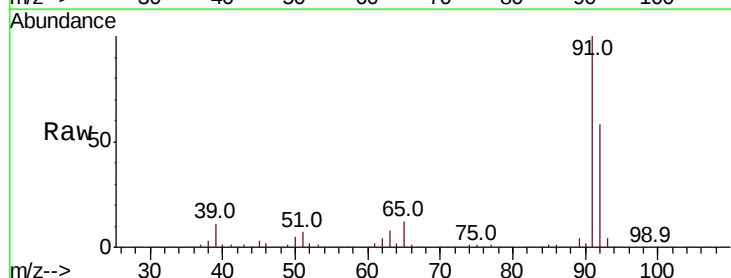
Acq: 01 Jun 2019 06:26

Tgt Ion: 92 Resp: 222097

Ion Ratio Lower Upper

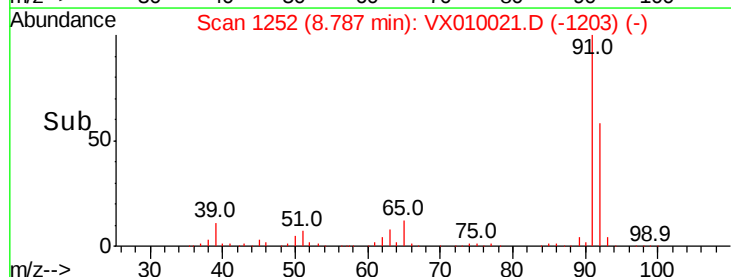
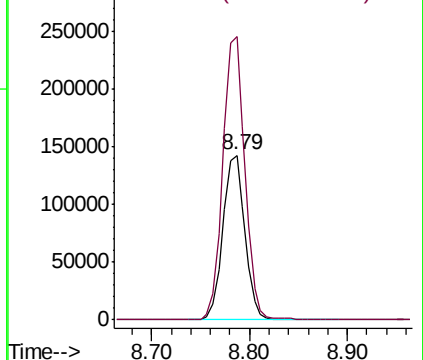
92 100

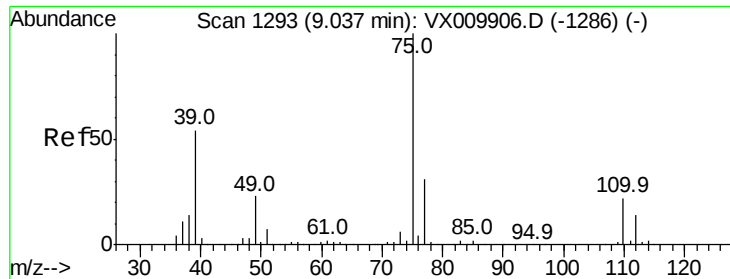
91 173.4 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





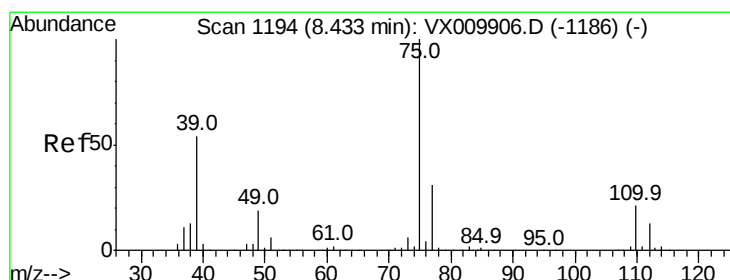
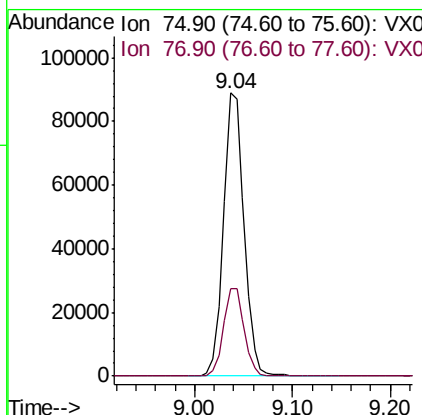
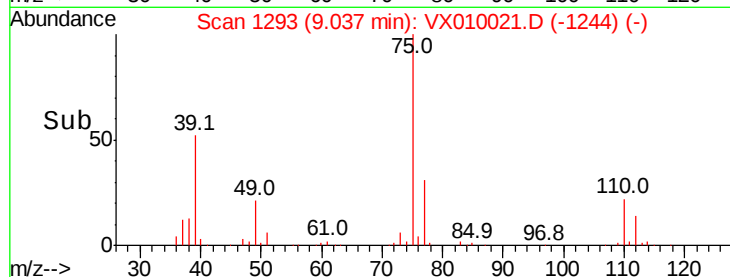
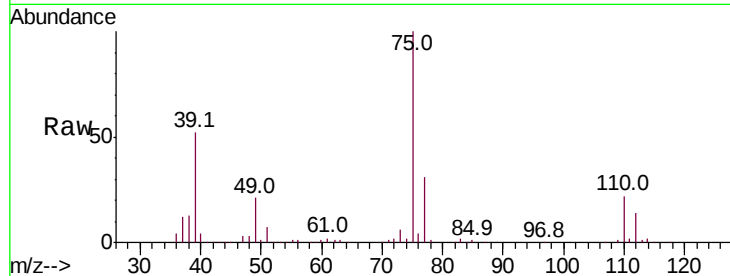
#53
t-1,3-Dichloropropene
Concen: 45.781 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MS

Tot Ion: 75 Resp: 129518
Ion Ratio Lower Upper
75 100
77 30.9 24.6 36.8

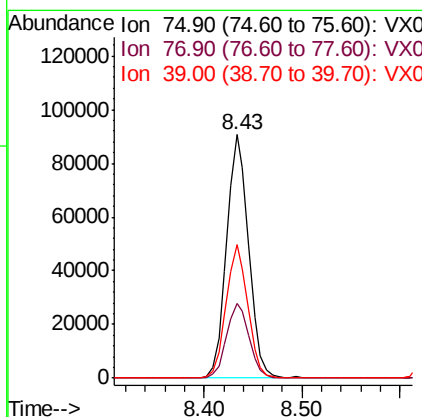
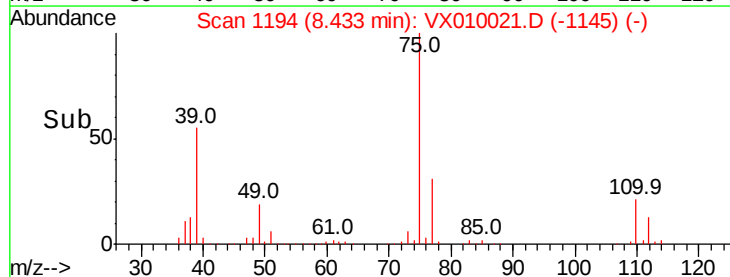
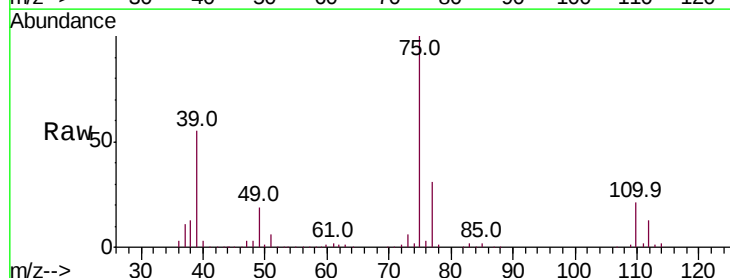
Manual Integrations
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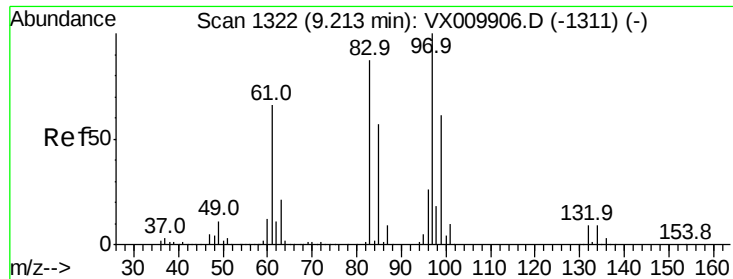
MMDadoda
6/3/2019 9:34:30 AM



#54
cis-1,3-Dichloropropene
Concen: 45.870 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Tgt Ion: 75 Resp: 141389
Ion Ratio Lower Upper
75 100
77 30.6 24.8 37.2
39 54.6 43.4 65.0





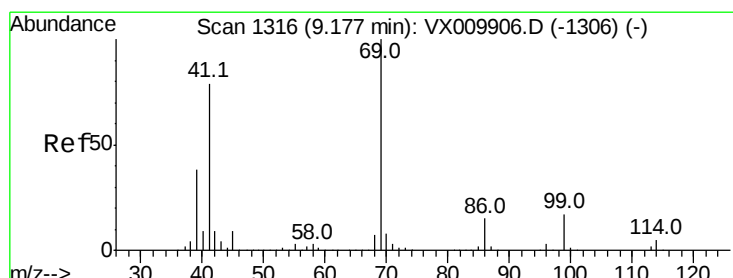
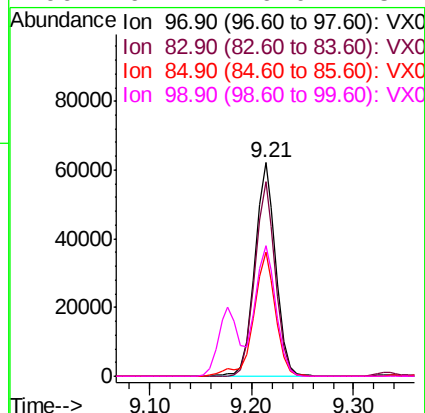
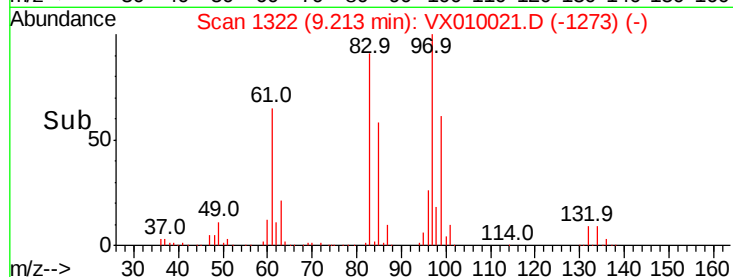
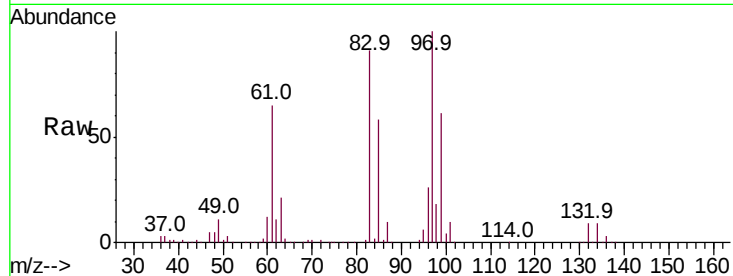
#55
1,1,2-Trichloroethane
Concen: 50.207 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MS

Tot Ion:	97	Resp:	89823
Ion	Ratio	Lower	Upper
97	100		
83	91.0	69.8	104.8
85	57.9	45.3	67.9
99	61.4	49.0	73.4

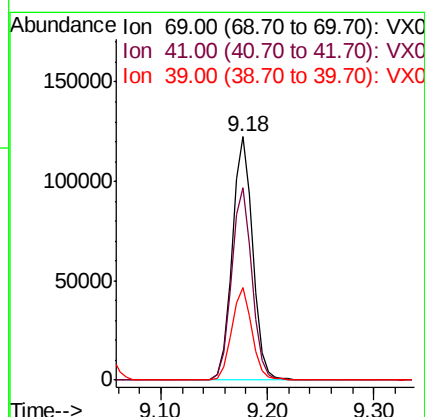
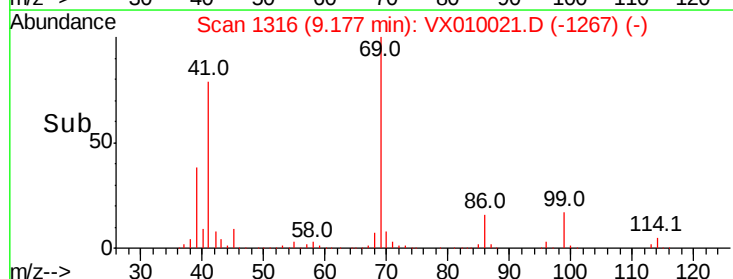
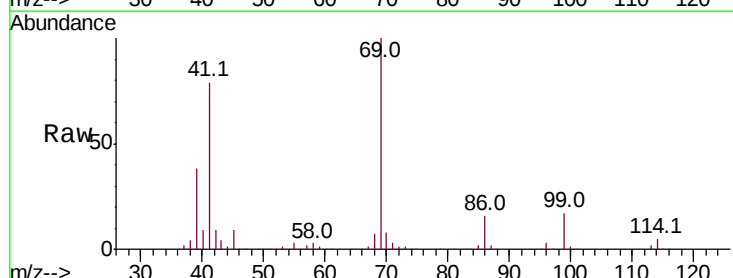
Manual Integrations
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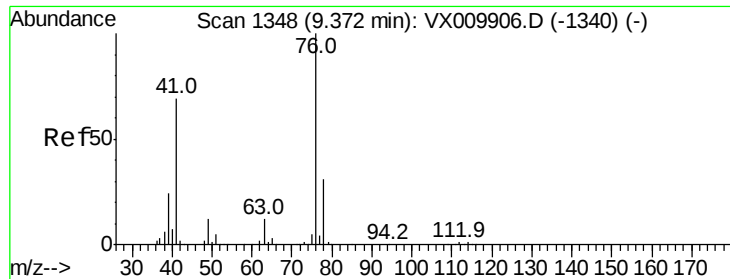
MMDadoda
6/3/2019 9:34:30 AM



#56
Ethyl methacrylate
Concen: 51.990 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Tgt Ion:	69	Resp:	165591
Ion	Ratio	Lower	Upper
69	100		
41	78.7	62.7	94.1
39	37.4	29.5	44.3





#57

1,3-Dichloropropane

Concen: 49.774 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MS

Tot Ion: 76 Resp: 159918

Ion Ratio Lower Upper

76 100

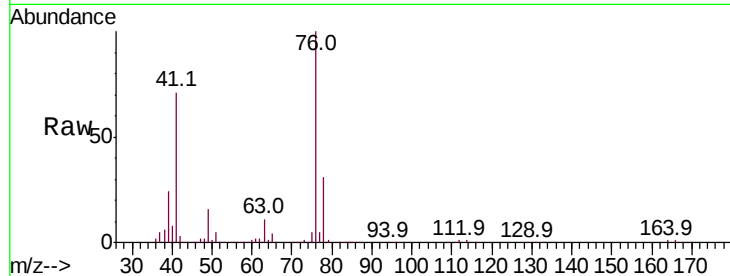
78 31.3 25.4 38.0

Manual Integrations

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MMDadoda

6/3/2019 9:34:30 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

120000

100000

80000

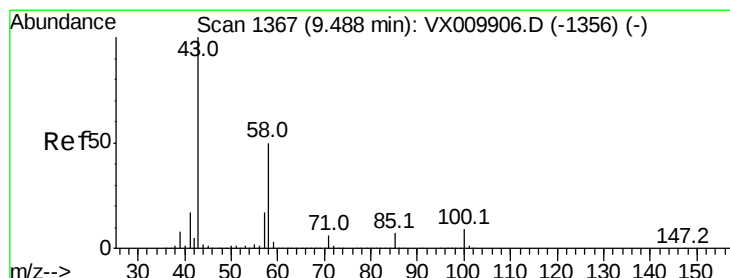
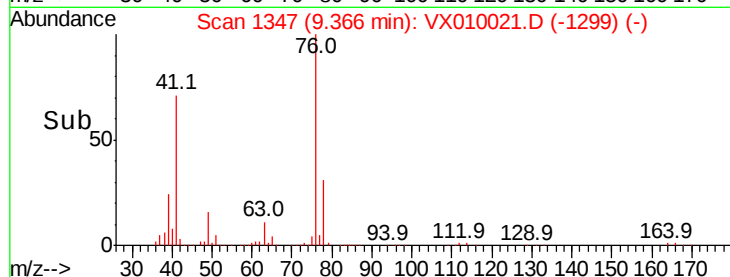
60000

40000

20000

0

Time-->



#59

2-Hexanone

Concen: 251.472 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VX010021.D

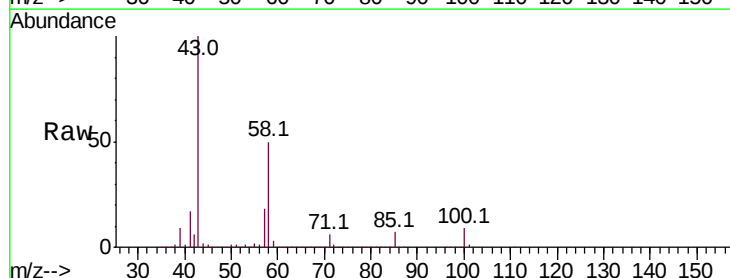
Acq: 01 Jun 2019 06:26

Tgt Ion: 43 Resp: 698803

Ion Ratio Lower Upper

43 100

58 50.6 25.1 75.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

600000

500000

400000

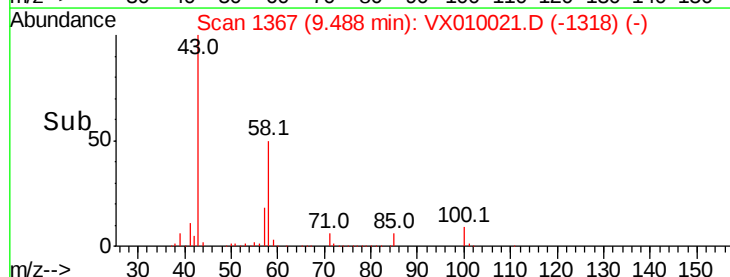
300000

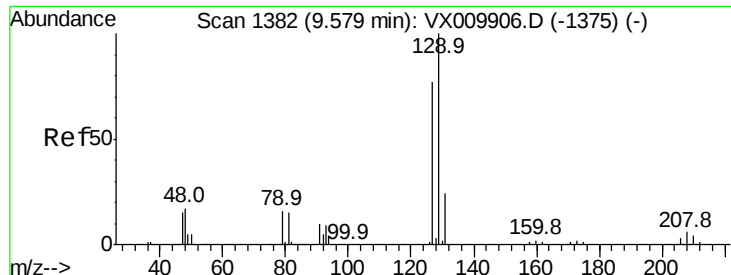
200000

100000

0

Time-->





#60

Dibromochloromethane

Concen: 52.393 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MS

Tot Ion:129 Resp: 92204

Ion Ratio Lower Upper

129 100

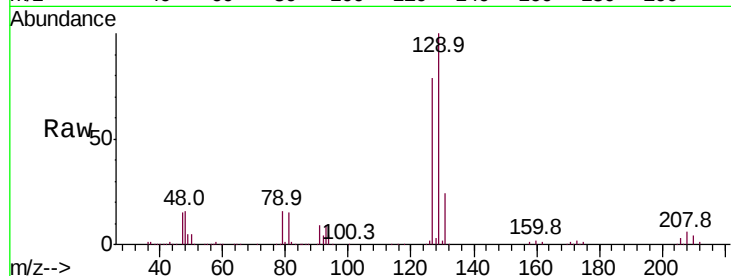
127 77.6 38.5 115.5

Manual Integrations

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MMDadoda

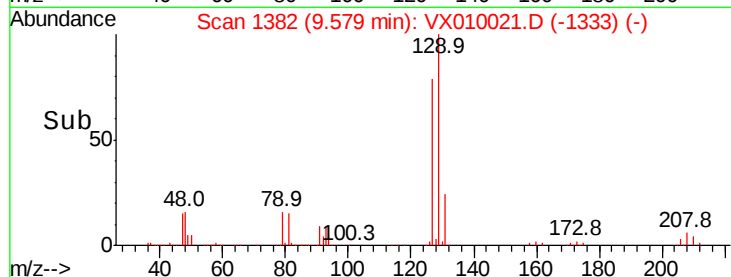
6/3/2019 9:34:30 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

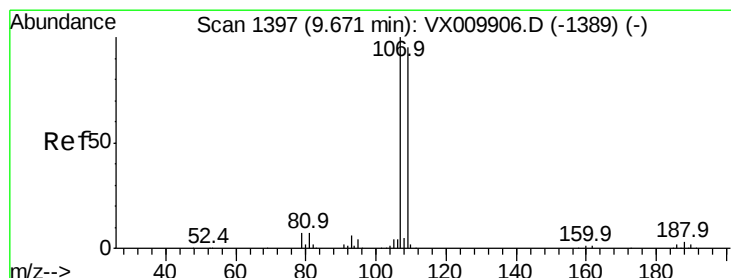
60000

40000

20000

0

Time--> 9.50 9.55 9.60 9.65 9.70



#61

1,2-Dibromoethane

Concen: 50.452 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010021.D

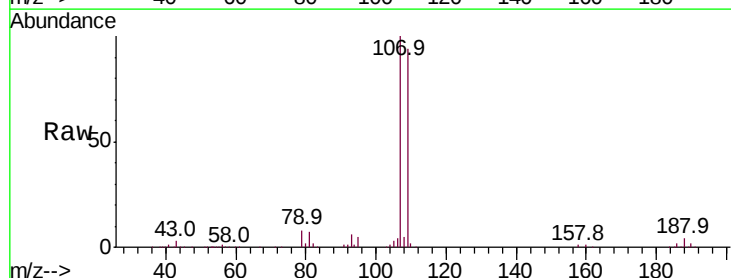
Acq: 01 Jun 2019 06:26

Tgt Ion:107 Resp: 92729

Ion Ratio Lower Upper

107 100

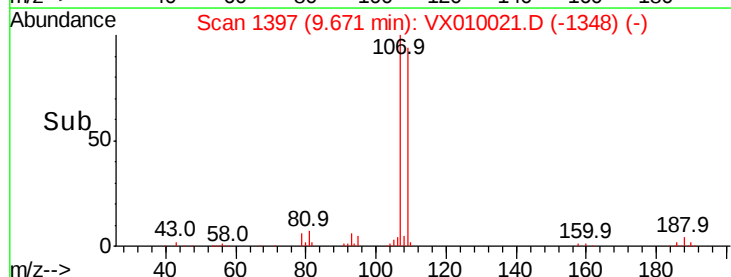
109 93.4 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

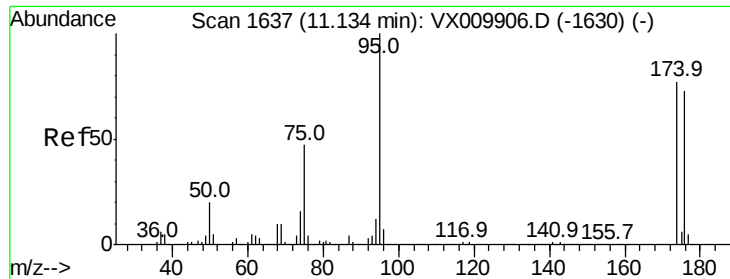
60000

40000

20000

0

Time--> 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 53.185 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

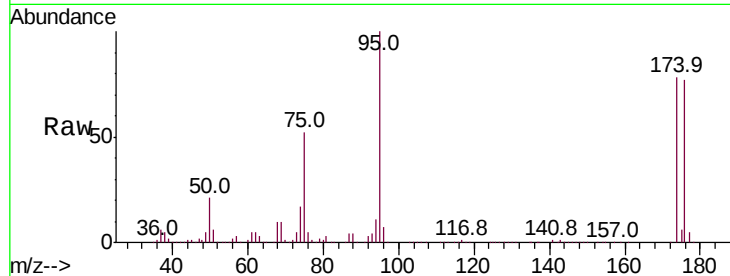
ClientSampleId :

LF012MW004-190528MS

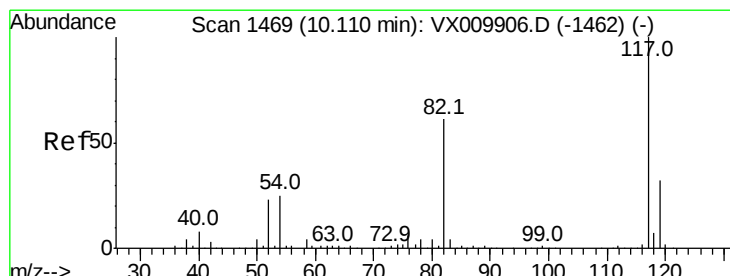
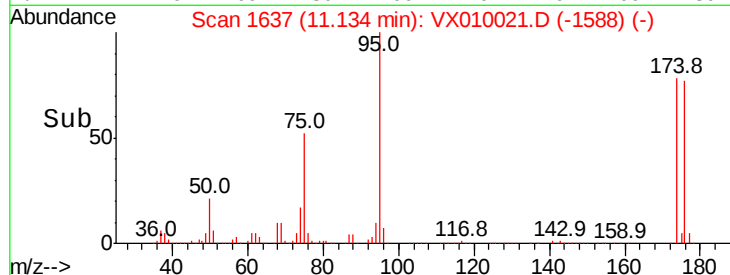
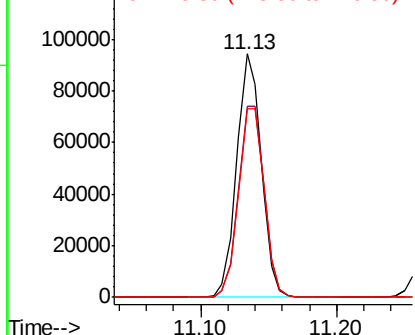
Tot Ion:	95	Resp:	118627
Ion Ratio	Lower	Upper	
95	100		
174	82.4	0.0	160.4
176	81.2	0.0	154.6

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Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

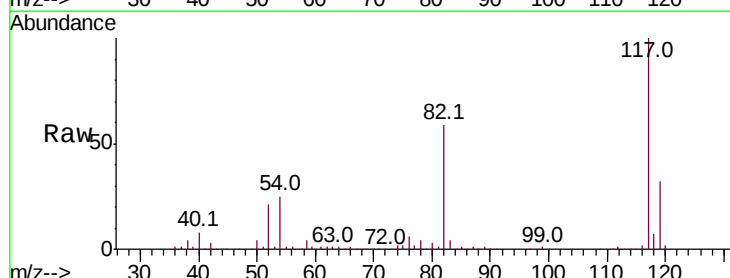
RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

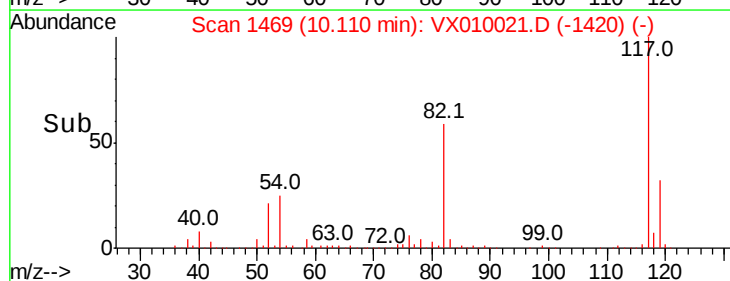
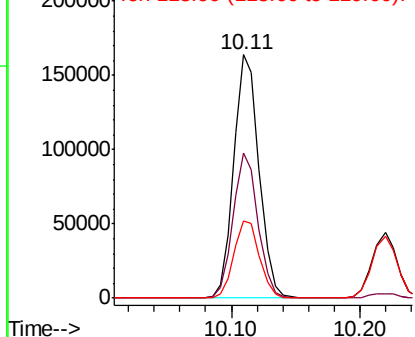
Lab File: VX010021.D

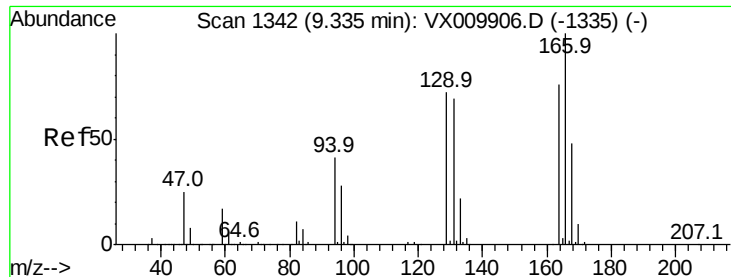
Acq: 01 Jun 2019 06:26

Tgt Ion:	117	Resp:	224496
Ion Ratio	Lower	Upper	
117	100		
82	59.4	49.2	73.8
119	32.0	25.2	37.8



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 47.711 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010021.D

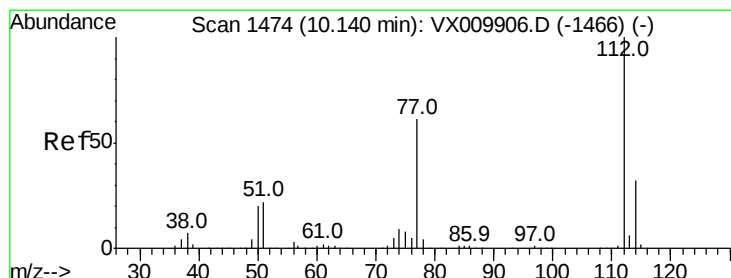
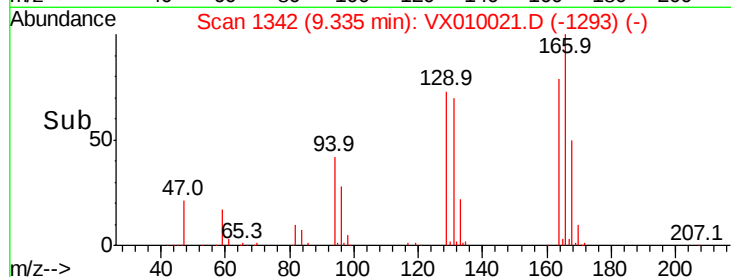
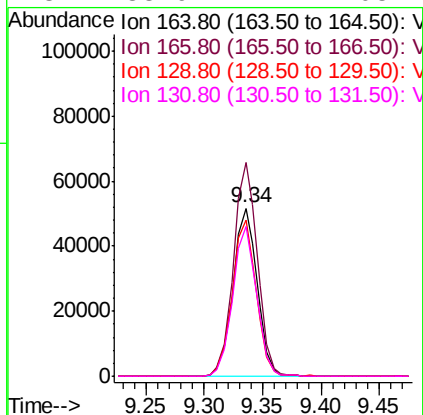
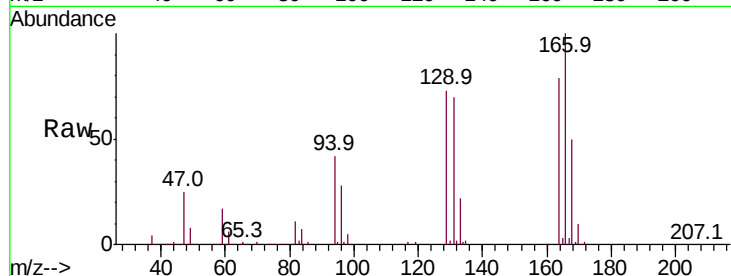
Acq: 01 Jun 2019 06:26

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MS

Tot Ion:	164	Resp:	74816
Ion	Ratio	Lower	Upper
164	100		
166	127.0	105.0	157.4
129	92.9	75.1	112.7
131	88.9	72.2	108.4

Manual Integrations
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#65

Chlorobenzene

Concen: 49.527 ug/l

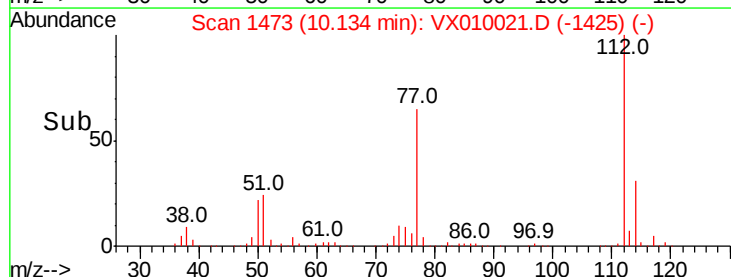
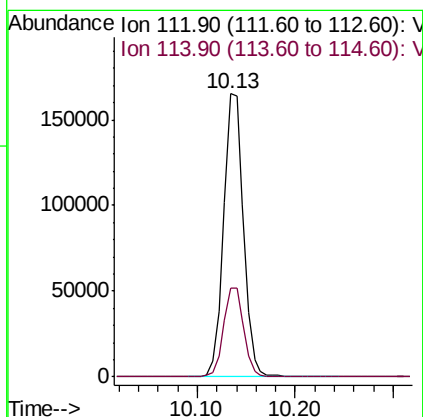
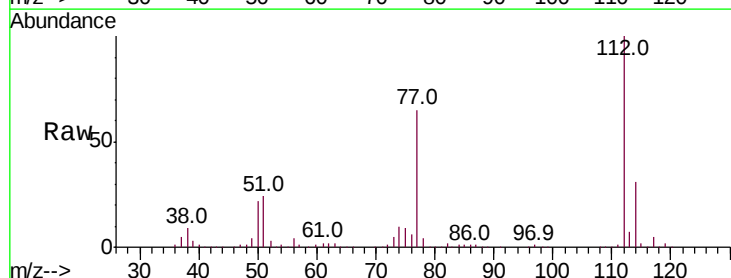
RT: 10.13 min Scan# 1473

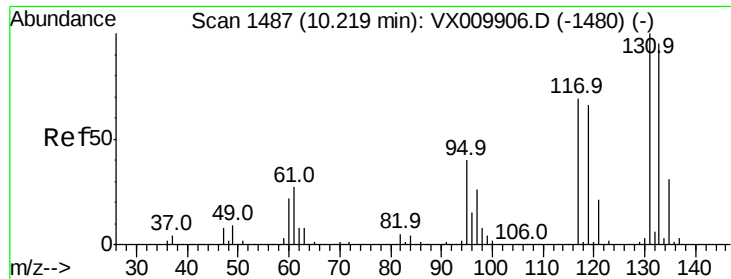
Delta R.T. -0.01 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Tgt Ion:	112	Resp:	232771
Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.8	38.8





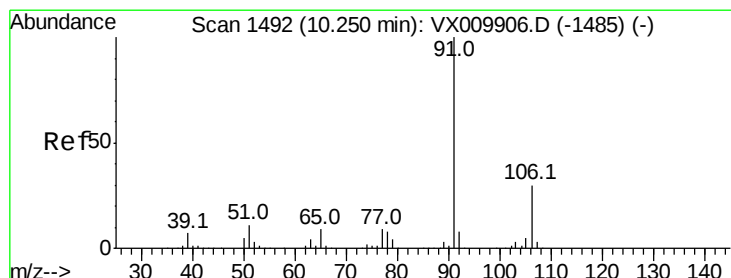
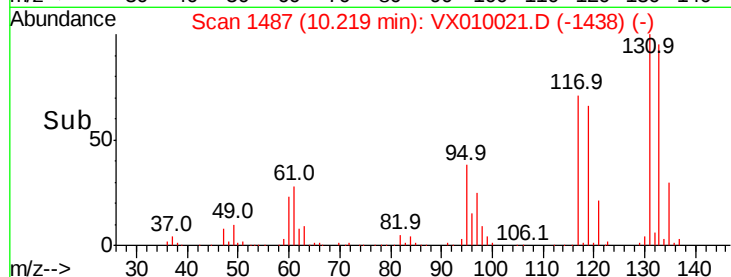
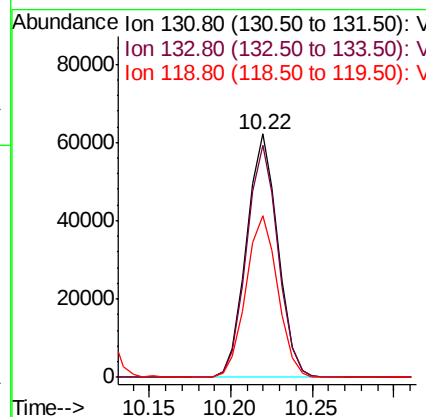
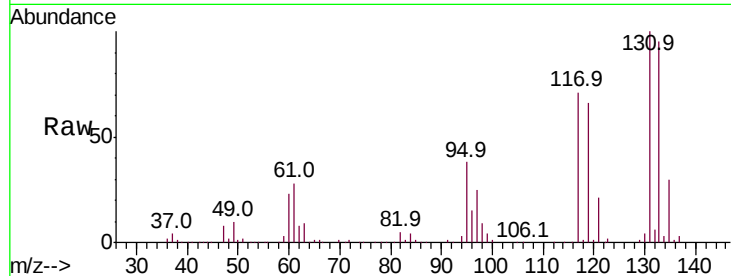
#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.222 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX010021.D
 Acq: 01 Jun 2019 06:26

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.5	142.6
119	67.3	33.4	100.1

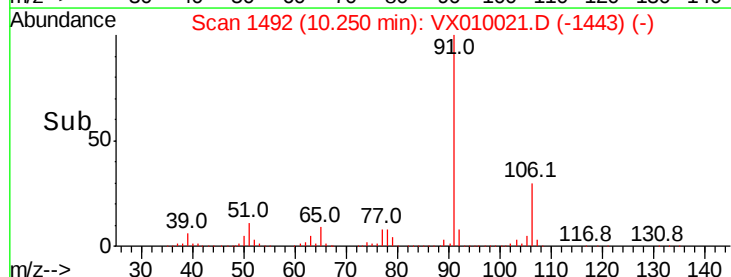
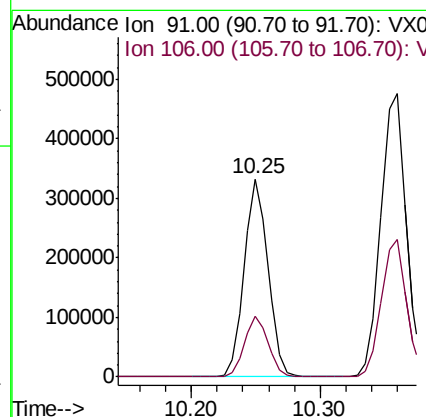
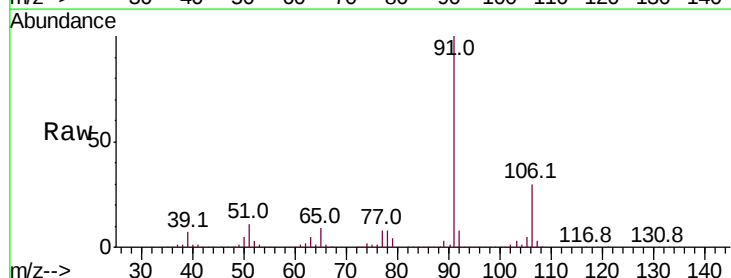
Manual Integrations
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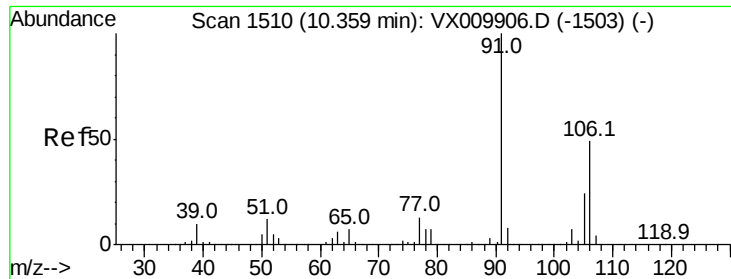
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 6/3/2019 9:34:30 AM



#67
 Ethyl Benzene
 Concen: 50.323 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX010021.D
 Acq: 01 Jun 2019 06:26

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.9	35.9





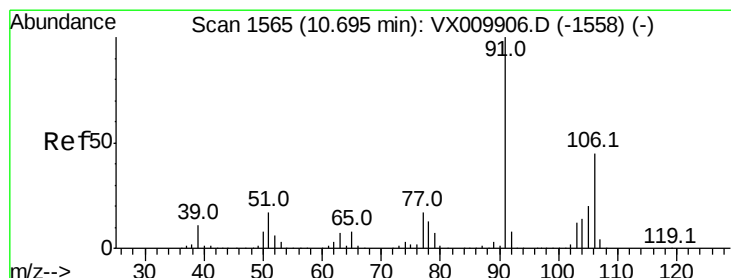
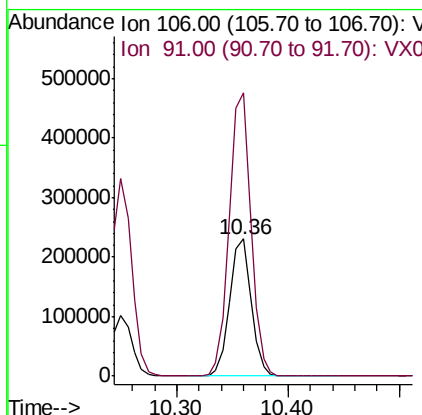
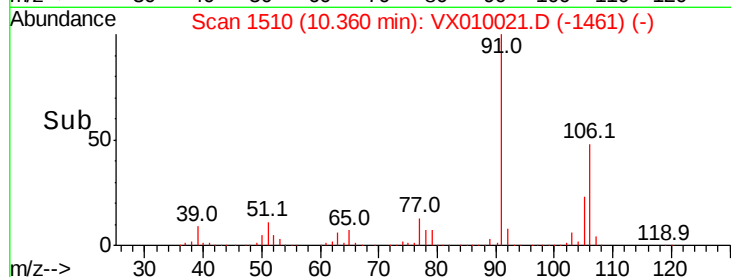
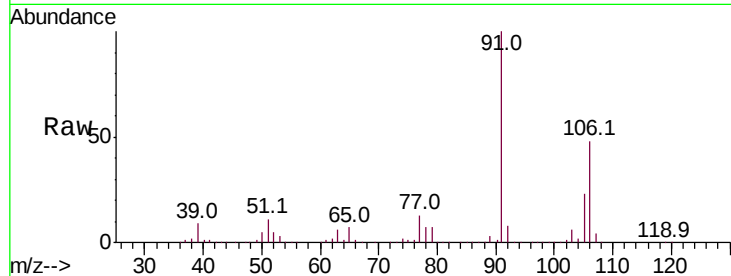
#68
m/p-Xylenes
Concen: 99.636 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MS

Tot Ion:106 Resp: 310619
Ion Ratio Lower Upper
106 100
91 207.5 167.3 250.9

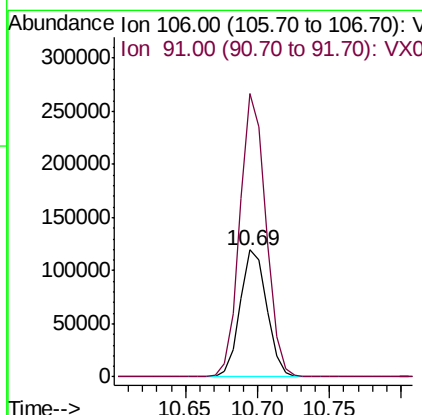
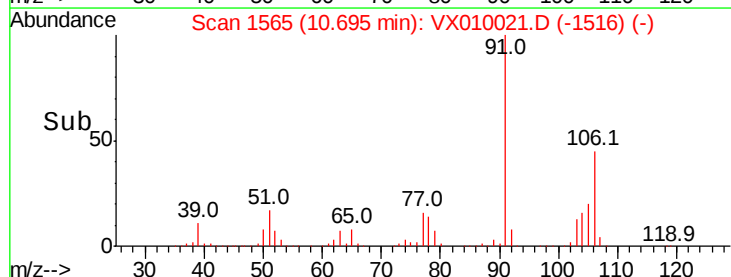
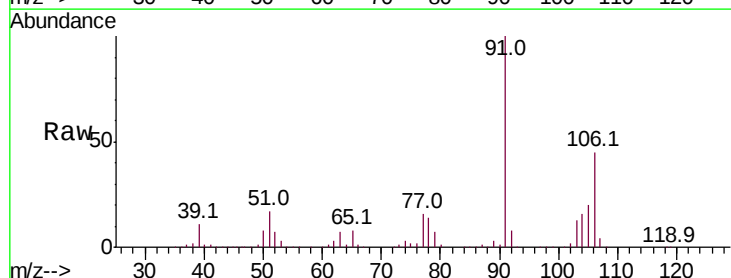
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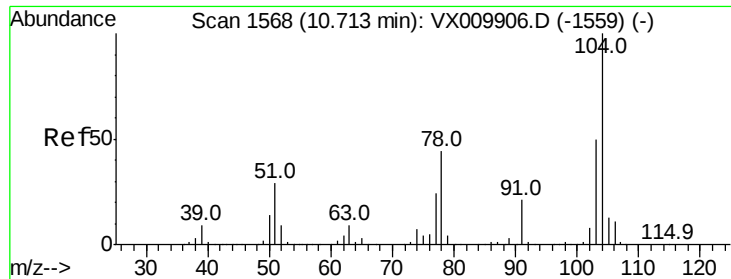
MMDadoda
6/3/2019 9:34:30 AM



#69
o-Xylene
Concen: 51.442 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Tgt Ion:106 Resp: 153804
Ion Ratio Lower Upper
106 100
91 217.8 110.4 331.2





#70

Stvrene

Concen: 51.160 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

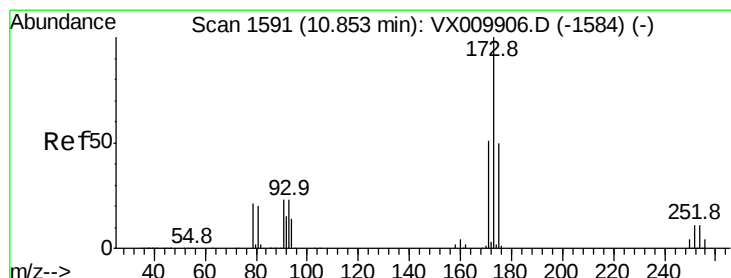
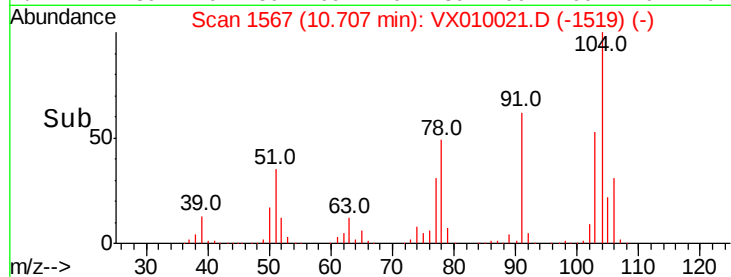
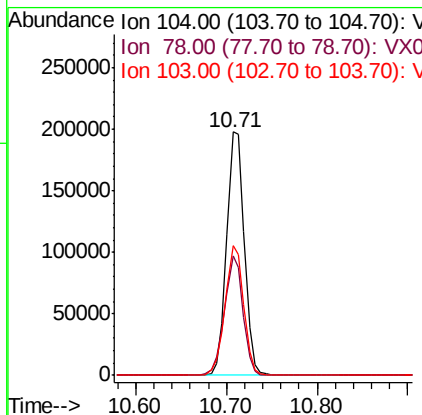
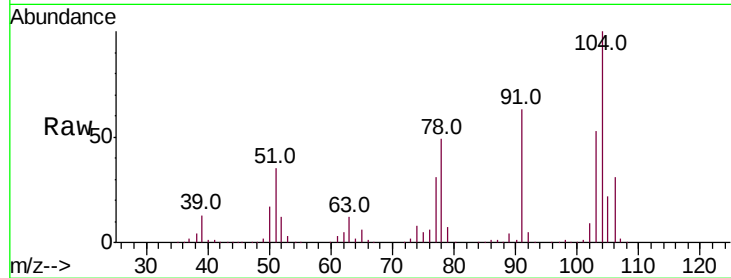
ClientSampleId :

LF012MW004-190528MS

Tot Ion:	104	Resp:	268220
Ion Ratio	Lower	Upper	
104	100		
78	51.6	42.1	63.1
103	55.9	44.1	66.1

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#71

Bromoform

Concen: 54.308 ug/l

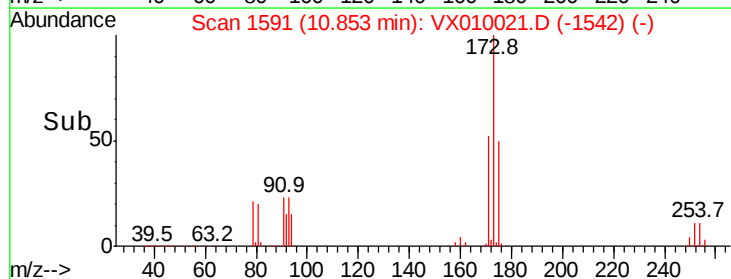
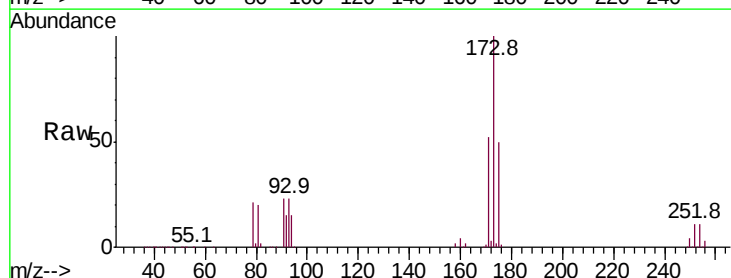
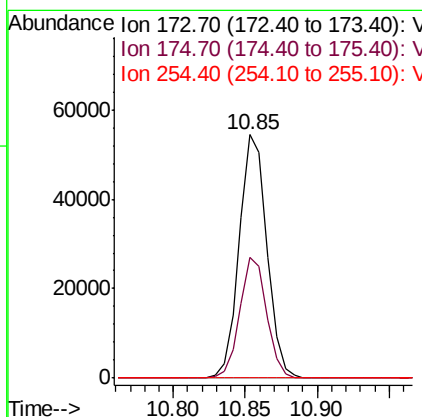
RT: 10.85 min Scan# 1591

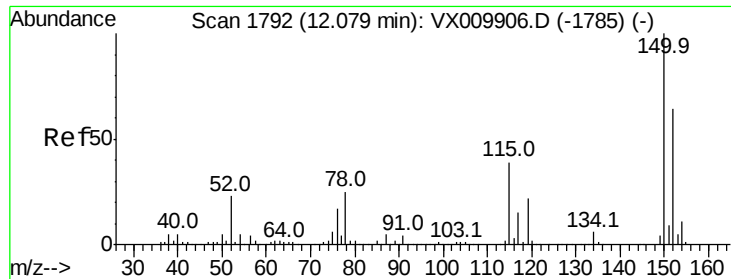
Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Tgt Ion:	173	Resp:	72363
Ion Ratio	Lower	Upper	
173	100		
175	48.4	25.0	75.0
254	0.1	0.2	0.2#





#72

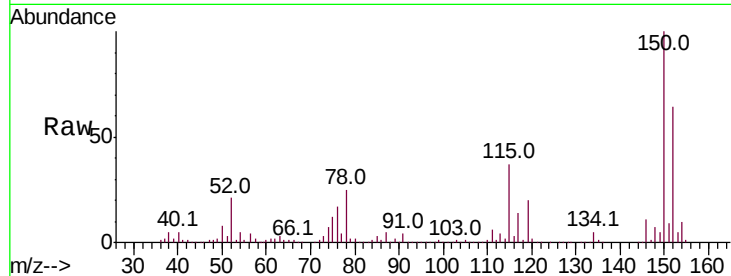
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MS

Tot Ion	Ratio	Lower	Upper
152	100		
115	80.9	41.4	124.2
150	172.0	0.0	345.2

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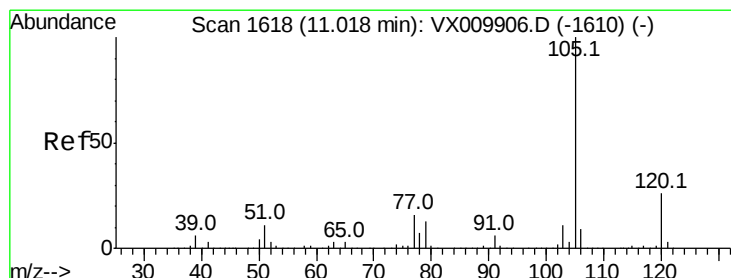
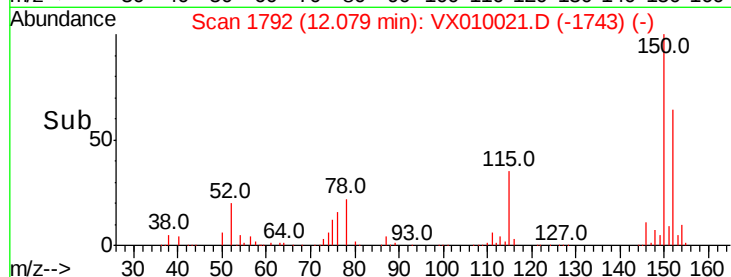
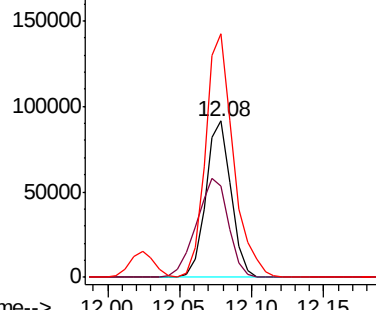


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

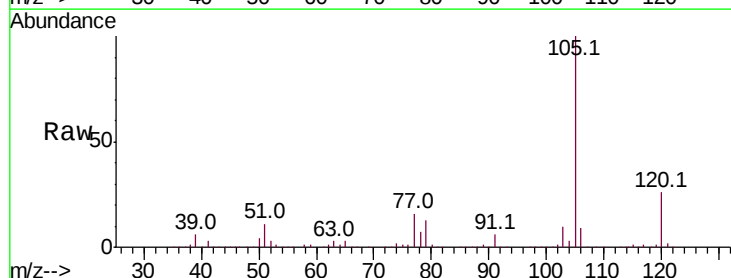
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 48.936 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

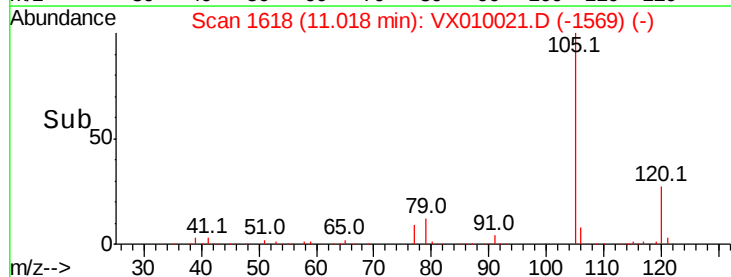
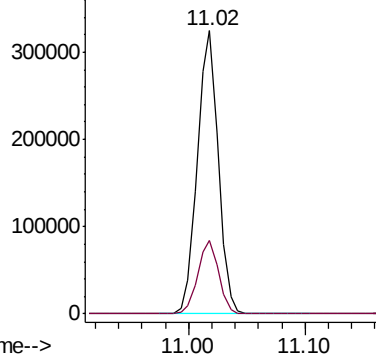
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4

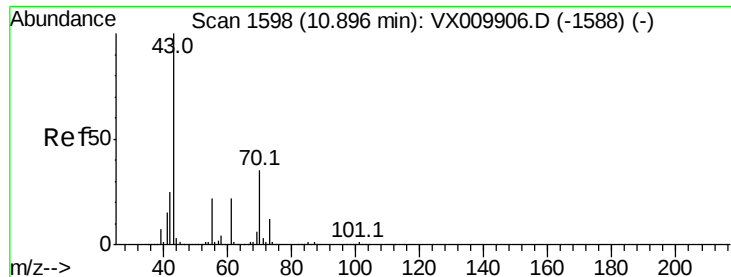


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.875 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MS

Tot Ion: 43 Resp: 235004

Ion Ratio Lower Upper

43 100

70 36.7 28.6 43.0

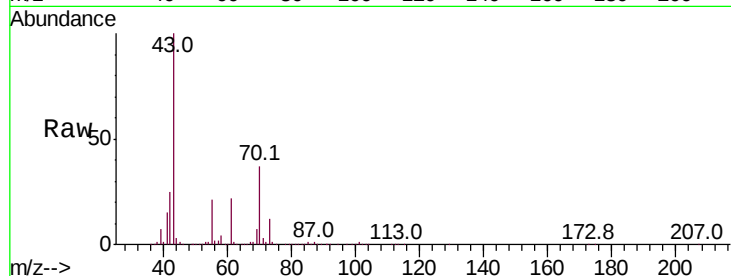
55 22.2 17.8 26.8

61 22.1 17.7 26.5

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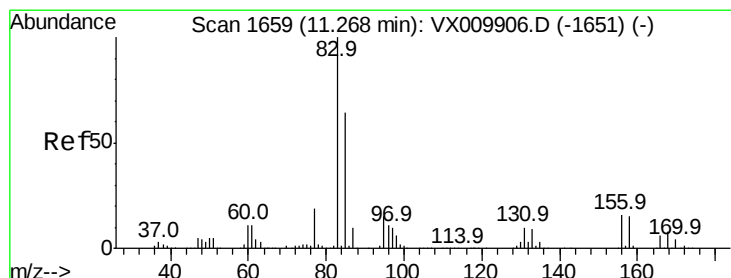
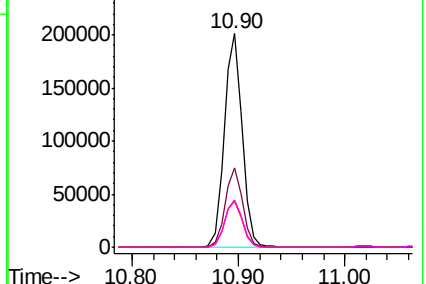
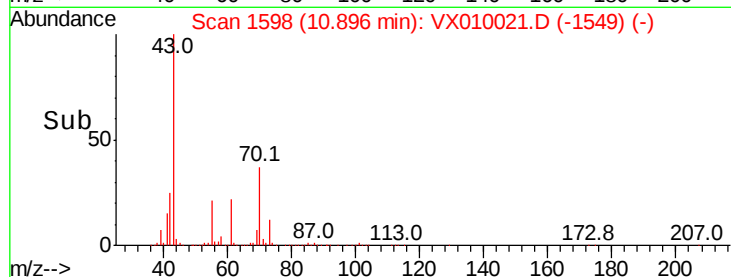


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 48.863 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

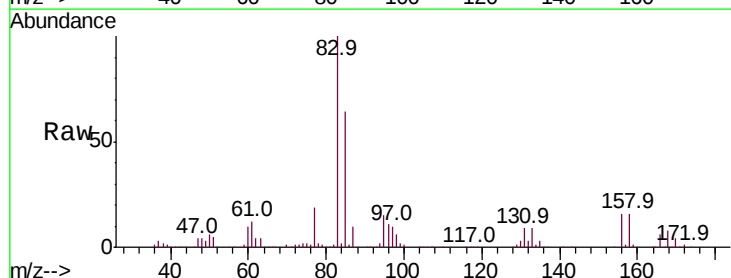
Tgt Ion: 83 Resp: 149750

Ion Ratio Lower Upper

83 100

131 9.5 4.7 14.1

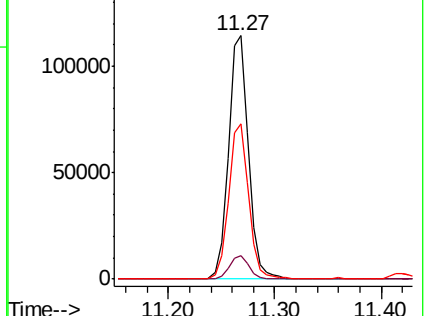
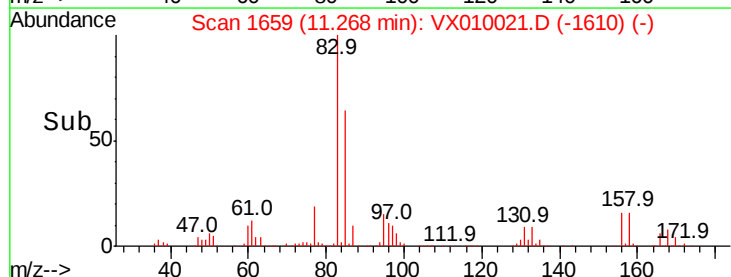
85 64.0 31.9 95.9

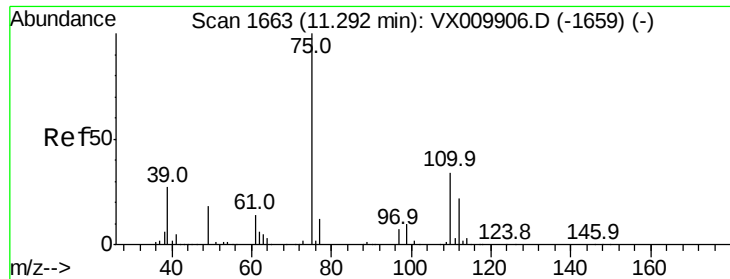


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





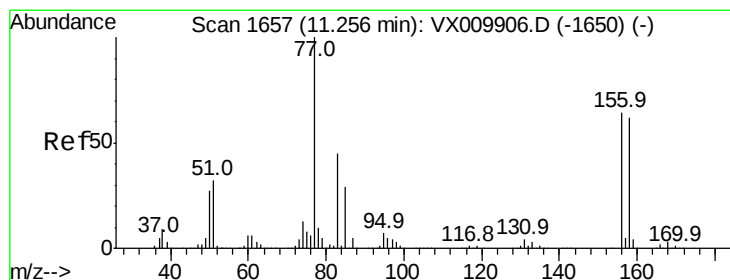
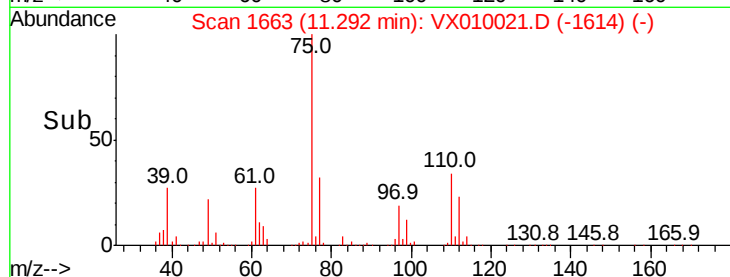
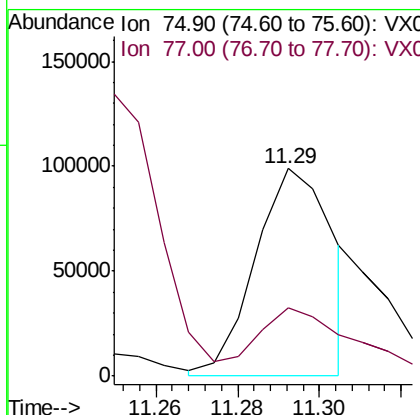
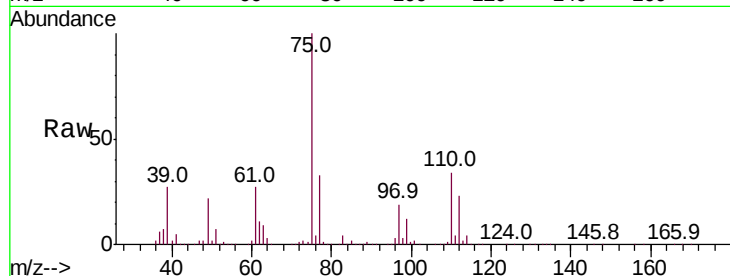
#76
1,2,3-Trichloropropane
Concen: 48.815 ug/l m
RT: 11.29 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MS

Tot Ion: 75 Resp: 129966
Ion Ratio Lower Upper
75 100
77 41.5 22.1 66.1

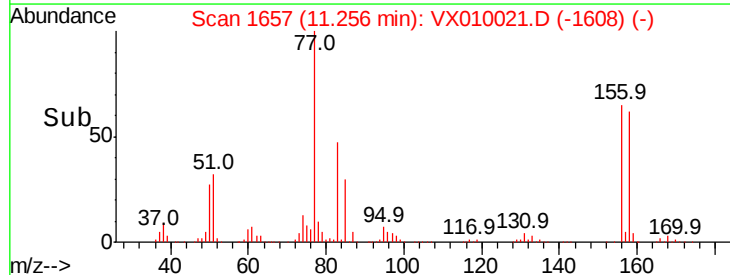
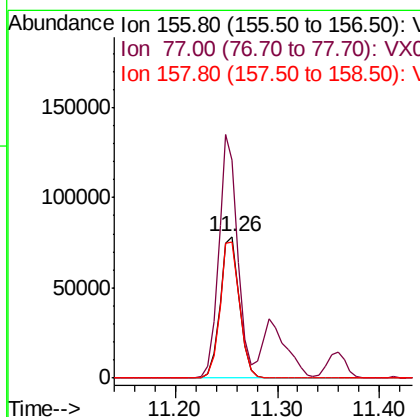
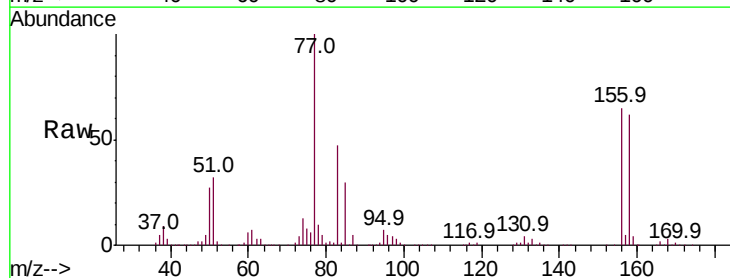
Manual Integrations
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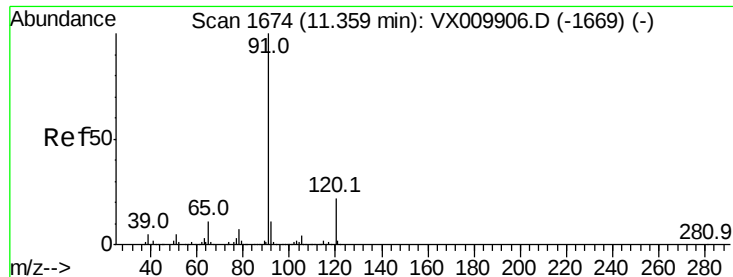
MMDadoda
6/3/2019 9:34:30 AM



#77
Bromobenzene
Concen: 49.363 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Tgt Ion: 156 Resp: 103341
Ion Ratio Lower Upper
156 100
77 167.4 86.8 260.3
158 98.0 49.6 148.8





#78

n-propylbenzene

Concen: 48.775 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MS

Tot Ion: 91 Resp: 461837

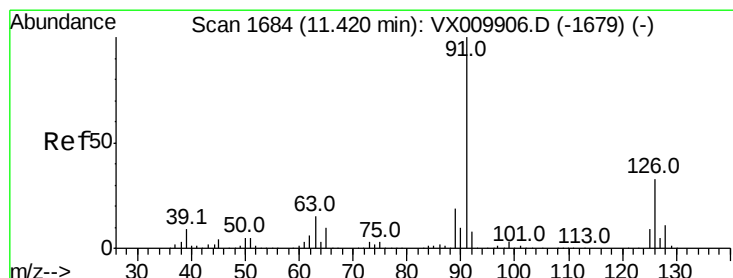
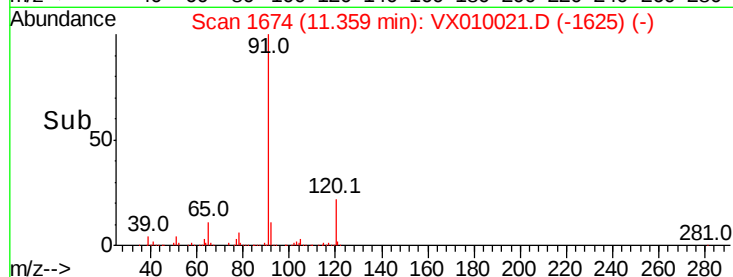
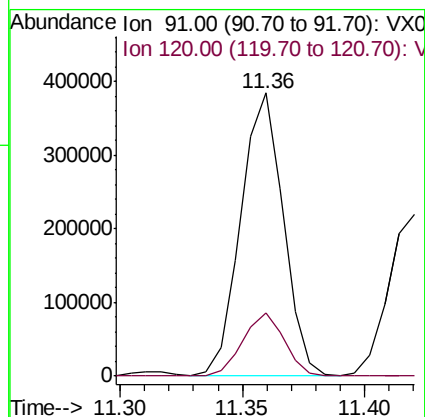
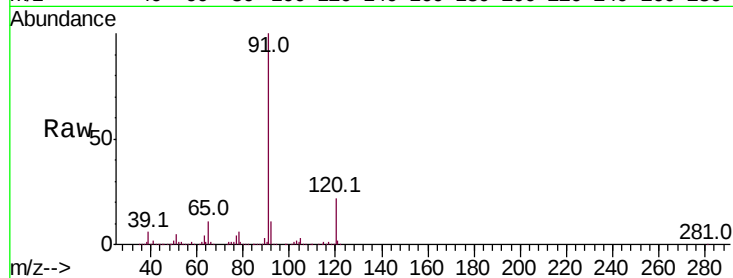
Ion Ratio Lower Upper

91 100

120 22.2 11.1 33.3

Manual Integrations
APPROVED

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#79

2-Chlorotoluene

Concen: 48.185 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010021.D

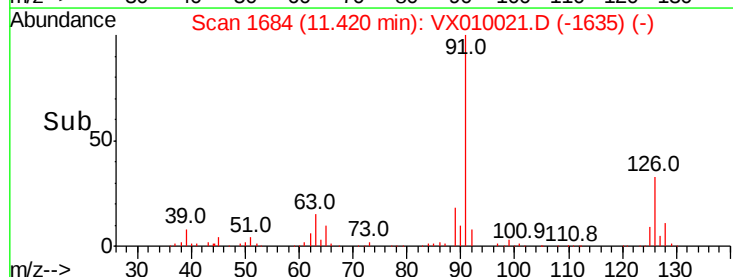
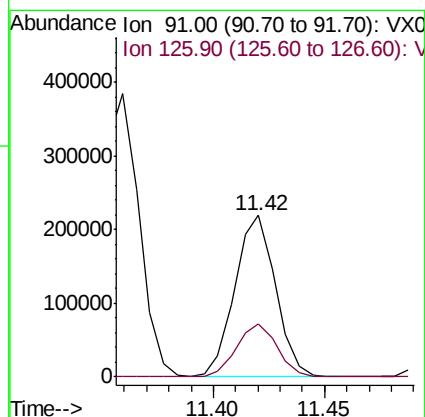
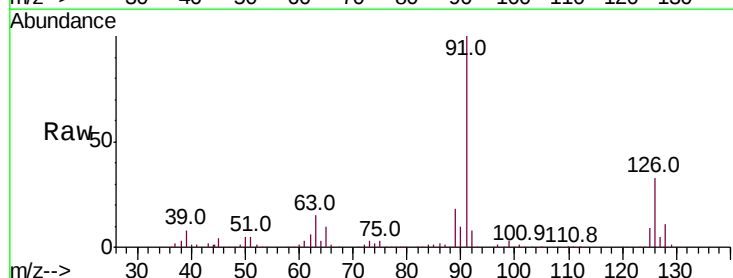
Acq: 01 Jun 2019 06:26

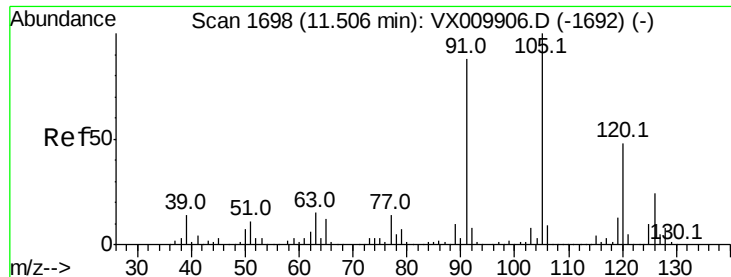
Tgt Ion: 91 Resp: 278758

Ion Ratio Lower Upper

91 100

126 32.5 16.1 48.3





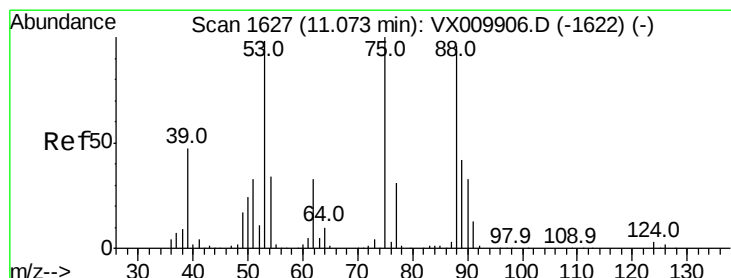
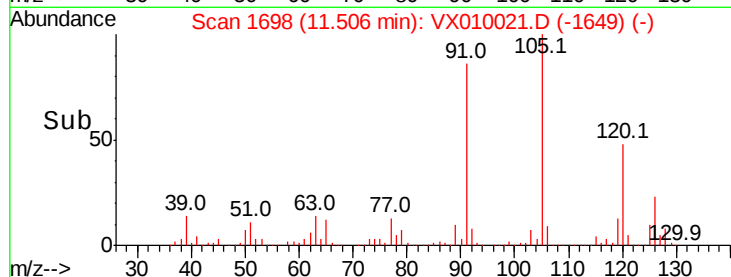
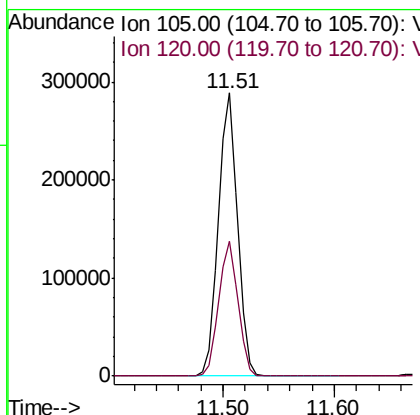
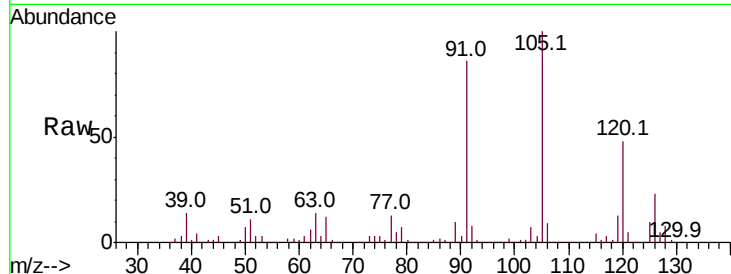
#80
 1,3,5-Trimethylbenzene
 Concen: 49.554 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010021.D
 Acq: 01 Jun 2019 06:26

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MS

Tot Ion:105 Resp: 342944
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.1 72.3

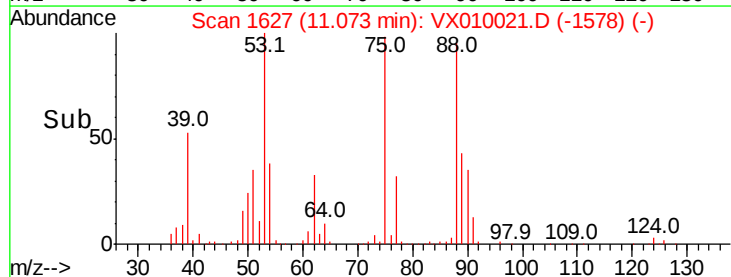
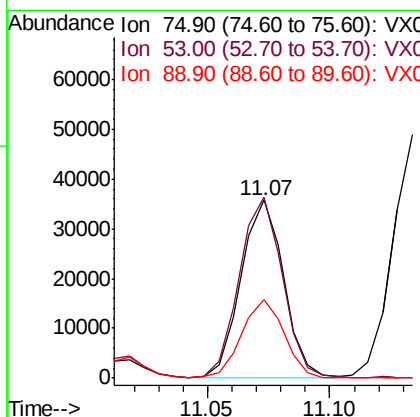
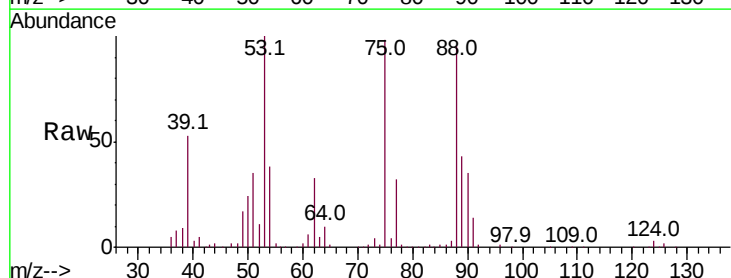
Manual Integrations
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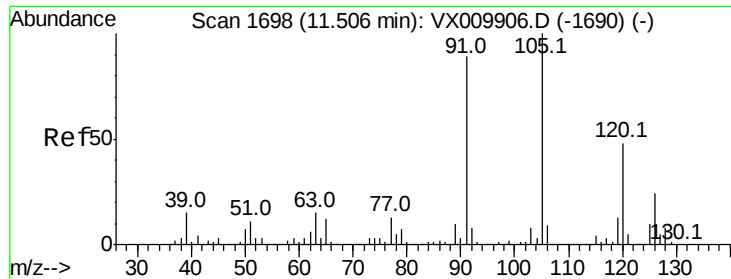
MMDadoda
 6/3/2019 9:34:30 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 40.314 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX010021.D
 Acq: 01 Jun 2019 06:26

Tgt Ion: 75 Resp: 43381
 Ion Ratio Lower Upper
 75 100
 53 102.9 79.8 119.6
 89 44.3 34.2 51.4





#82

4-Chlorotoluene

Concen: 47.935 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MS

Tot Ion: 91 Resp: 322817

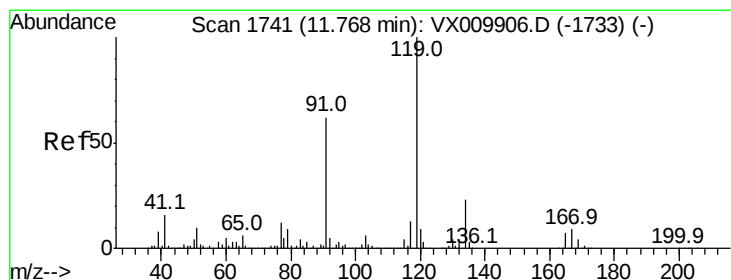
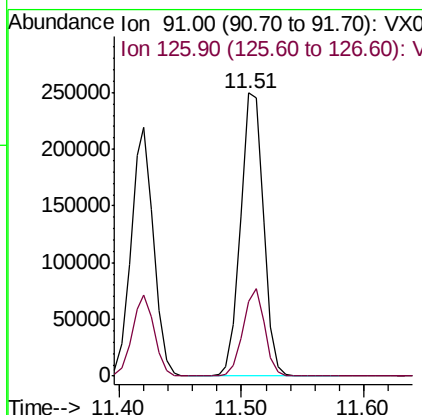
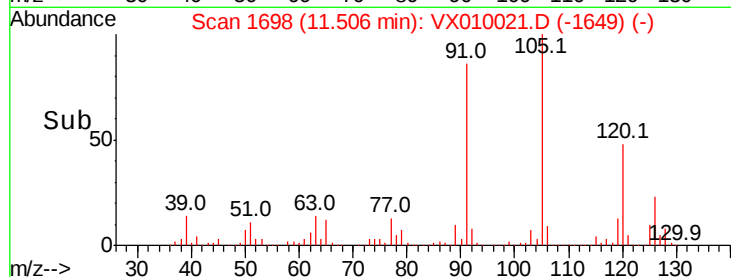
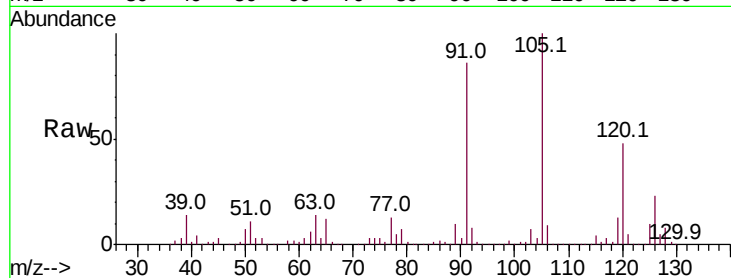
Ion Ratio Lower Upper

91 100

126 29.0 14.2 42.6

Manual Integrations
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#83

tert-Butylbenzene

Concen: 50.077 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

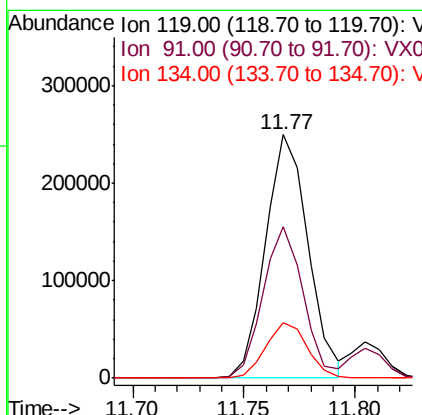
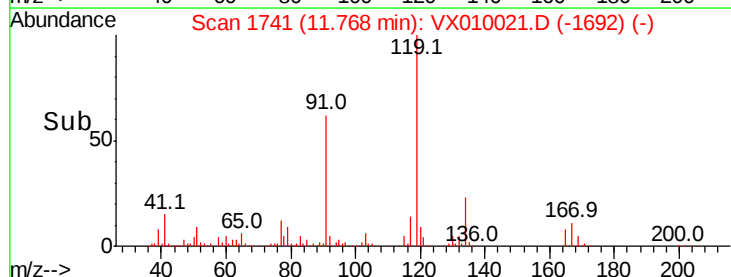
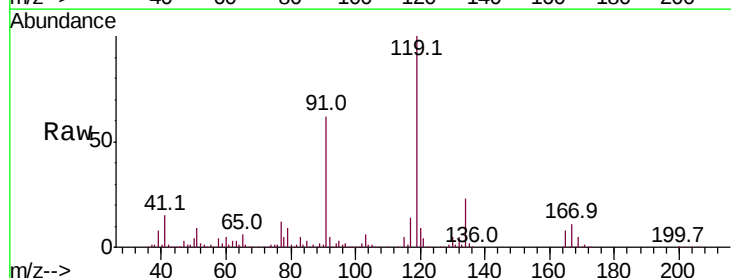
Tgt Ion: 119 Resp: 331560

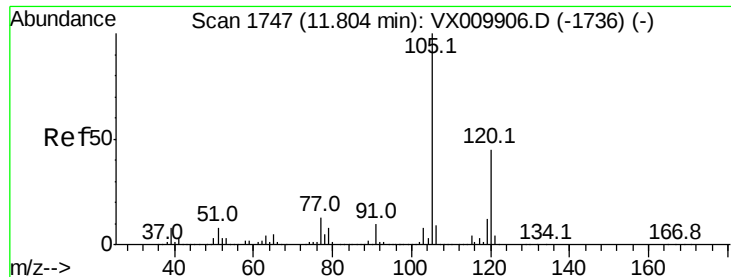
Ion Ratio Lower Upper

119 100

91 59.1 30.0 90.0

134 22.3 11.2 33.5





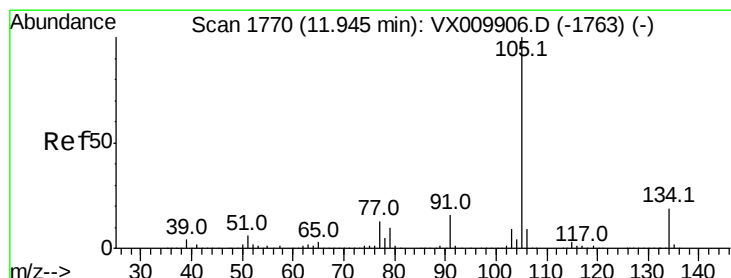
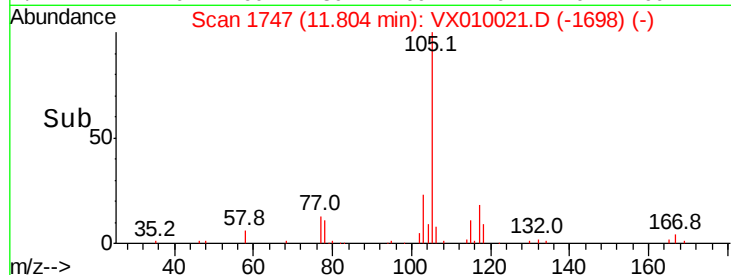
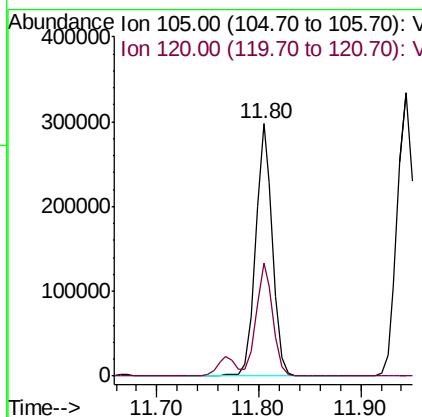
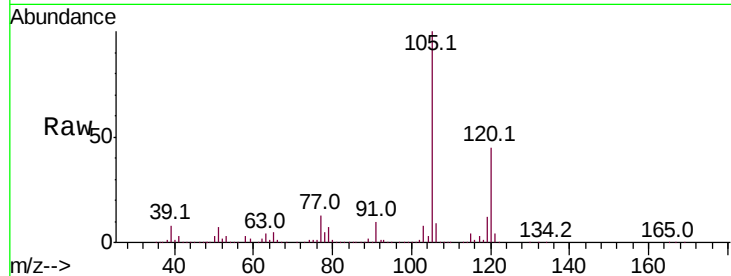
#84
 1,2,4-Trimethylbenzene
 Concen: 48.941 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010021.D
 Acq: 01 Jun 2019 06:26

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

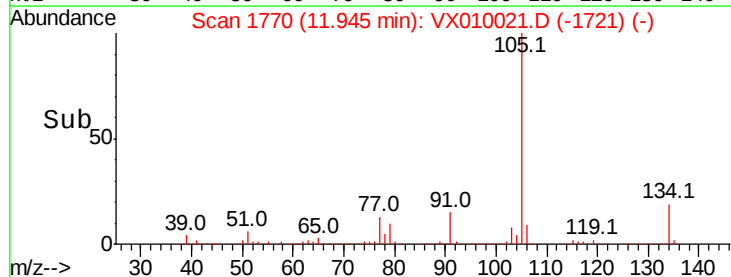
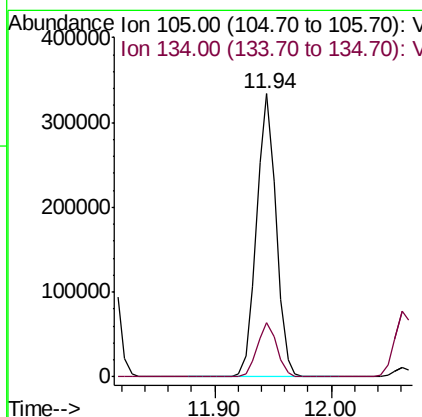
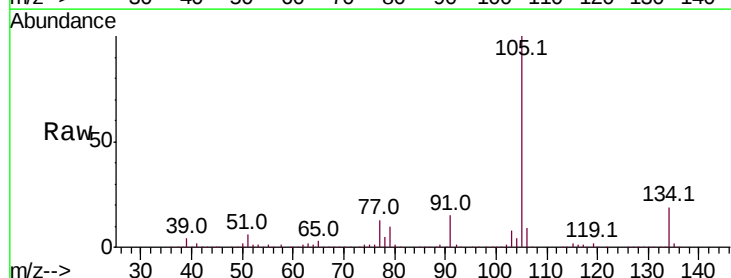
Manual Integrations
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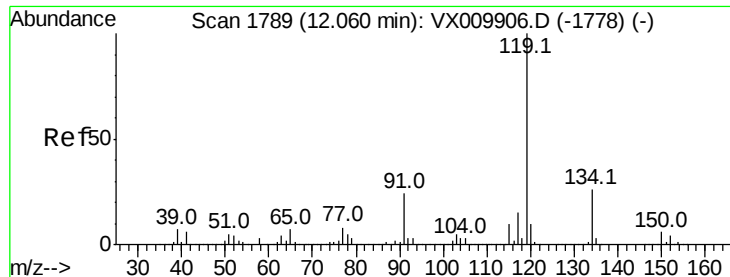
MMDadoda
 6/3/2019 9:34:30 AM



#85
 sec-Butylbenzene
 Concen: 49.543 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010021.D
 Acq: 01 Jun 2019 06:26

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	28.9





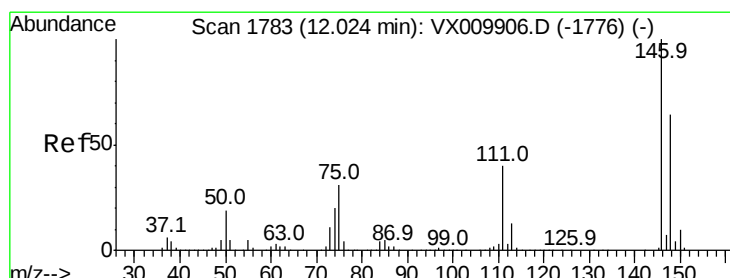
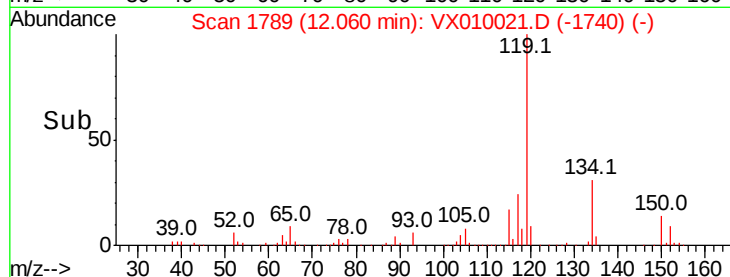
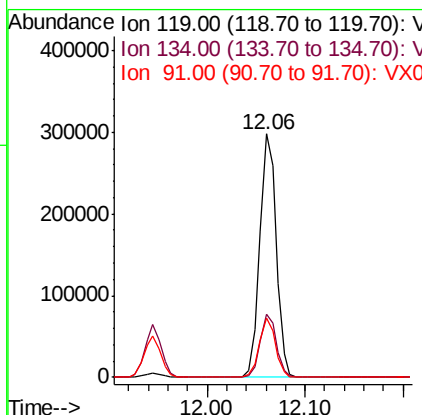
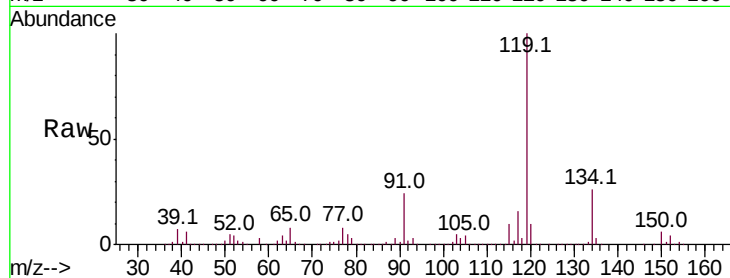
#86
p-Isopropyltoluene
Concen: 49.421 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
134	25.7	12.9	38.6	
91	23.7	11.9	35.9	

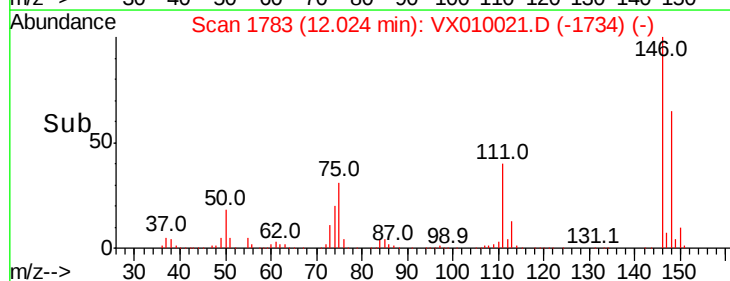
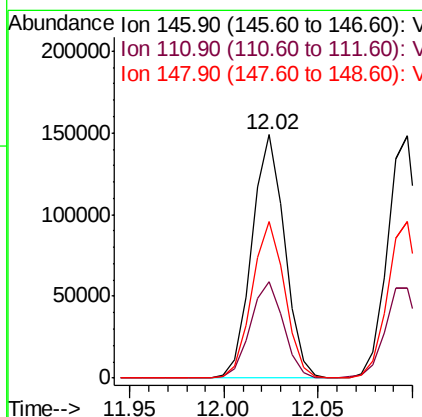
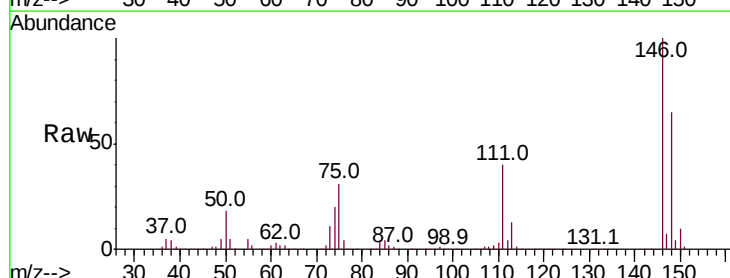
Manual Integrations
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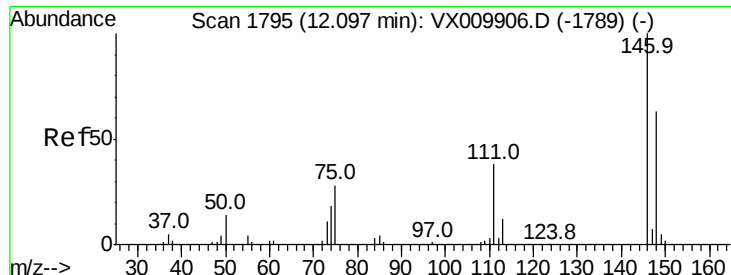
MMDadoda
6/3/2019 9:34:30 AM



#87
1,3-Dichlorobenzene
Concen: 48.212 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.8	20.1	60.2	
148	64.3	31.9	95.5	





#88

1,4-Dichlorobenzene

Concen: 47.400 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

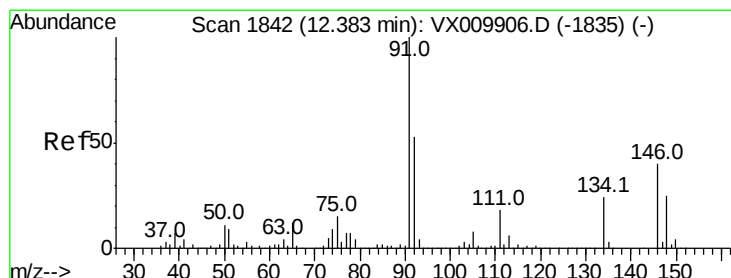
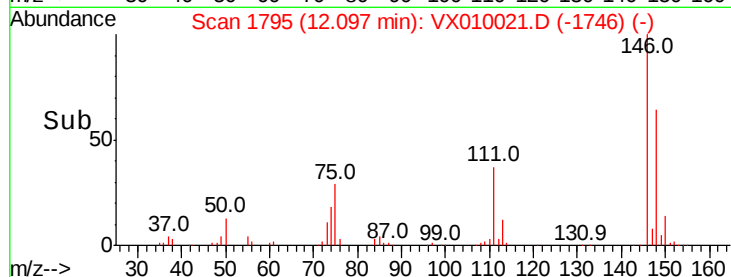
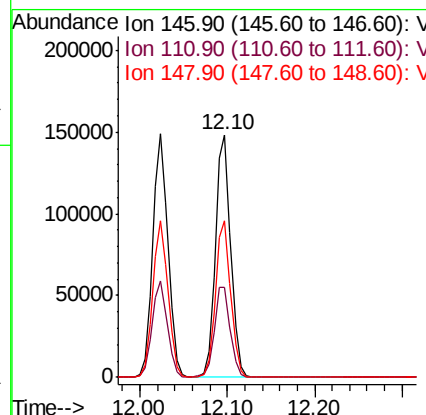
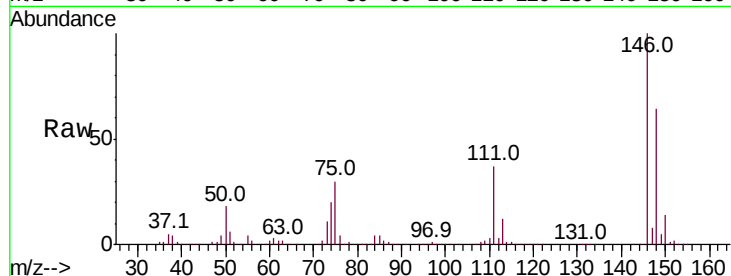
ClientSampleId :

LF012MW004-190528MS

Tot Ion:	146	Resp:	180167
Ion Ratio	Lower	Upper	
146	100		
111	38.9	20.0	59.9
148	64.2	32.3	96.9

Manual Integrations
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6/3/2019 9:34:30 AM



#89

n-Butylbenzene

Concen: 46.669 ug/l

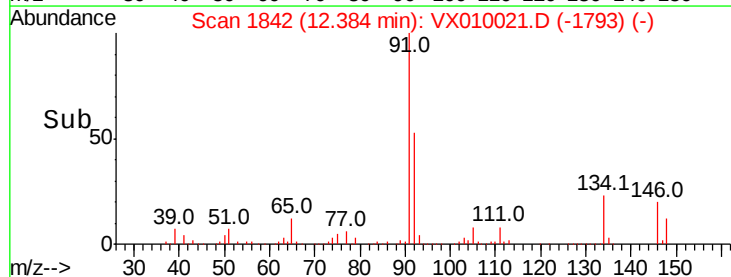
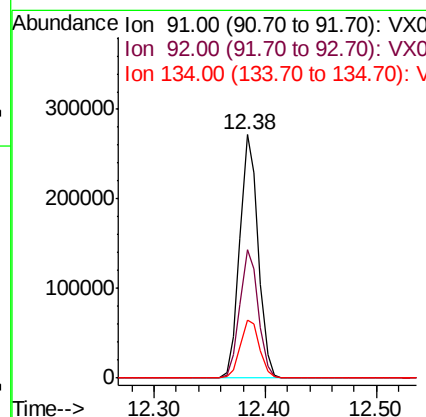
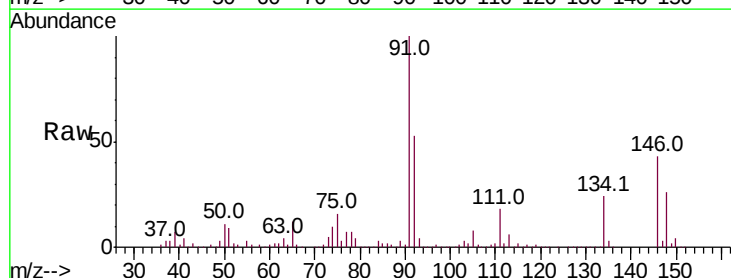
RT: 12.38 min Scan# 1842

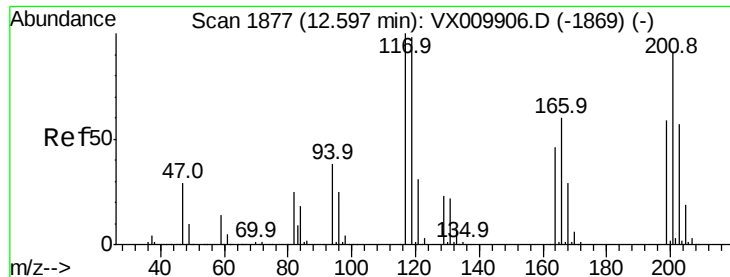
Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Tgt Ion:	91	Resp:	310739
Ion Ratio	Lower	Upper	
91	100		
92	53.0	26.3	78.8
134	24.6	12.3	36.8





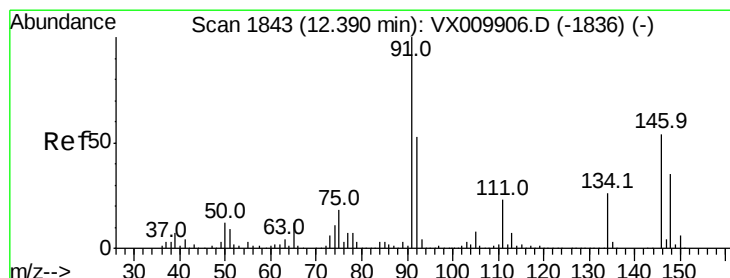
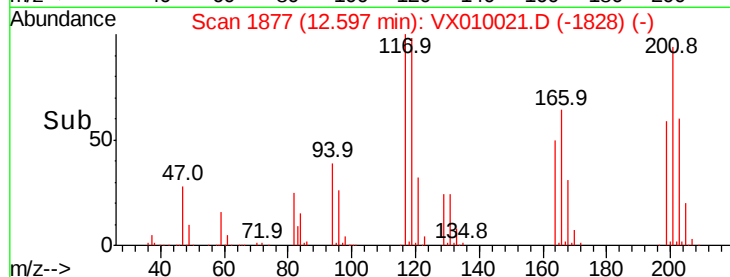
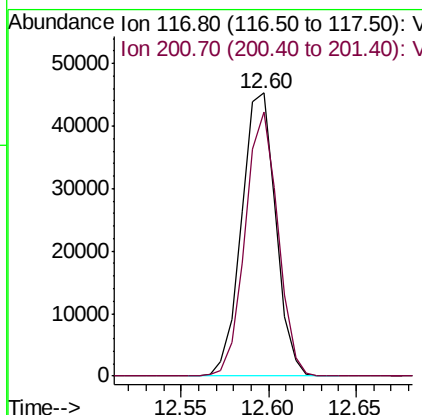
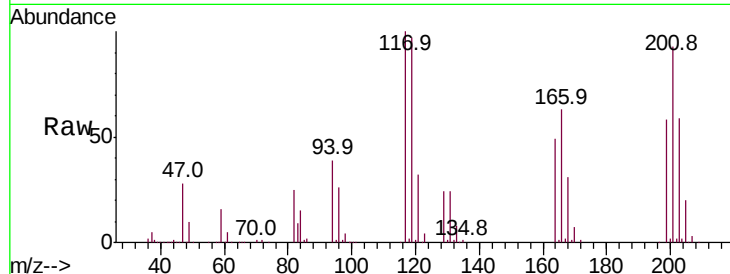
#90
Hexachloroethane
Concen: 50.474 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MS

Tot Ion:117 Resp: 61370
Ion Ratio Lower Upper
117 100
201 89.2 43.6 130.9

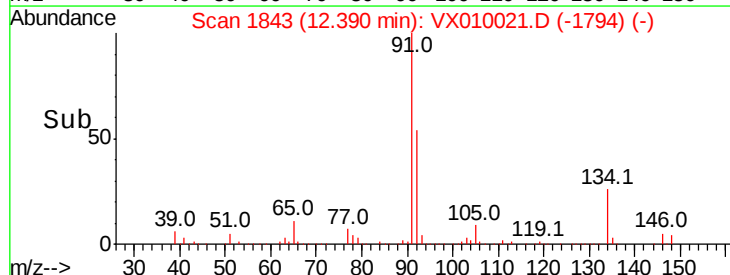
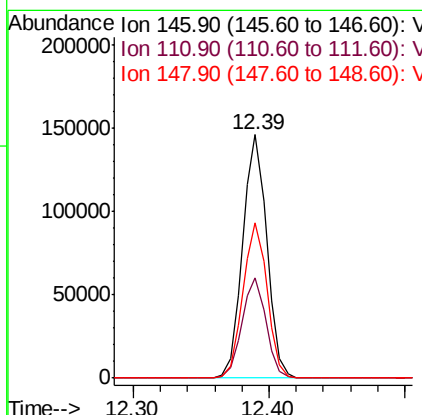
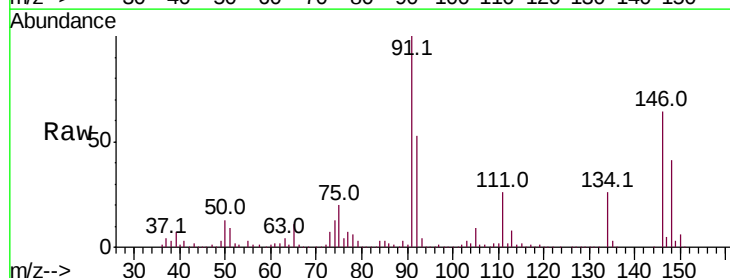
Manual Integrations
APPROVED

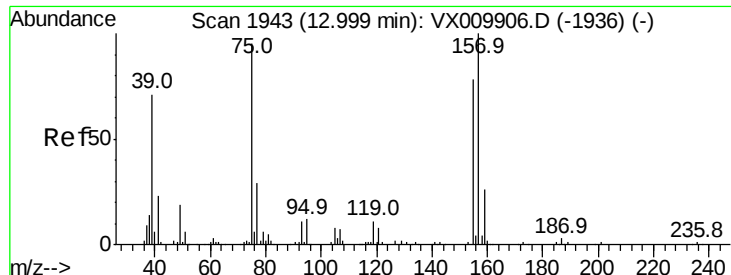
MMDadoda
6/3/2019 9:34:30 AM



#91
1,2-Dichlorobenzene
Concen: 49.223 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010021.D
Acq: 01 Jun 2019 06:26

Tgt Ion:146 Resp: 180877
Ion Ratio Lower Upper
146 100
111 41.0 21.1 63.1
148 63.8 32.3 96.8





#92

1,2-Dibromo-3-Chloropropane

Concen: 47.461 ug/l

RT: 12.99 min Scan# 1942

Delta R.T. -0.01 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MS

Tot Ion: 75 Resp: 34237

Ion Ratio Lower Upper

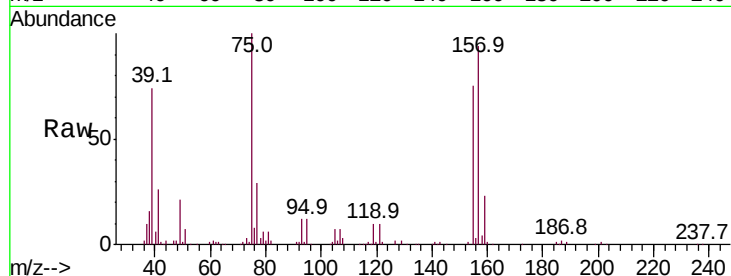
75 100

155 83.1 39.3 117.8

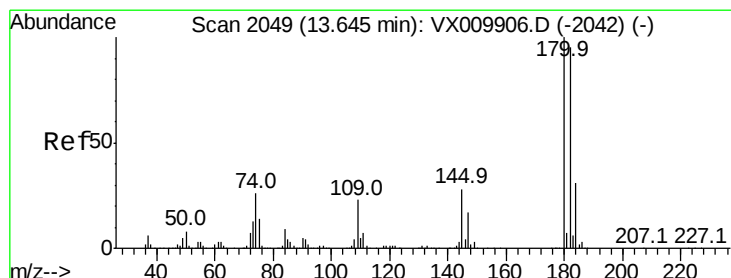
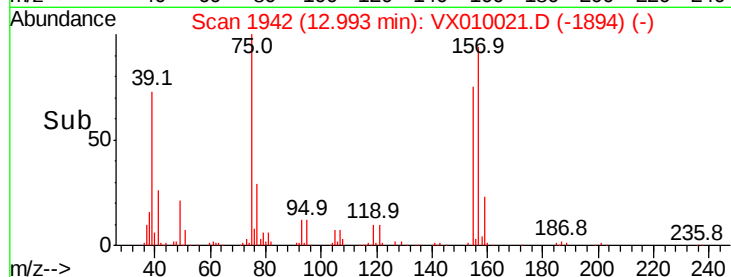
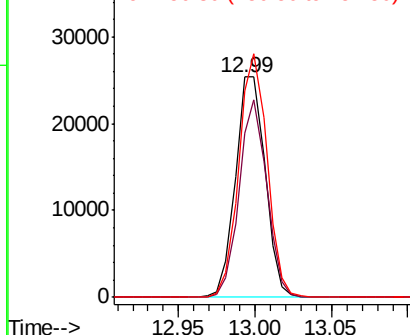
157 104.6 50.6 151.8

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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 47.347 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

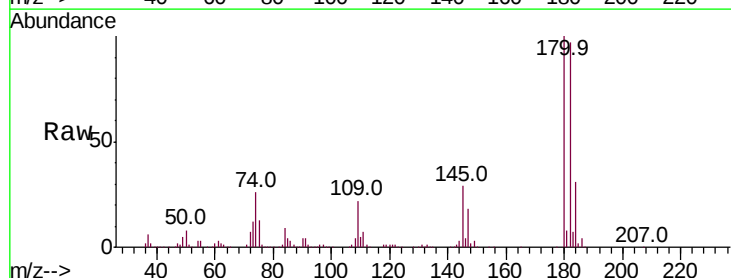
Tgt Ion:180 Resp: 124332

Ion Ratio Lower Upper

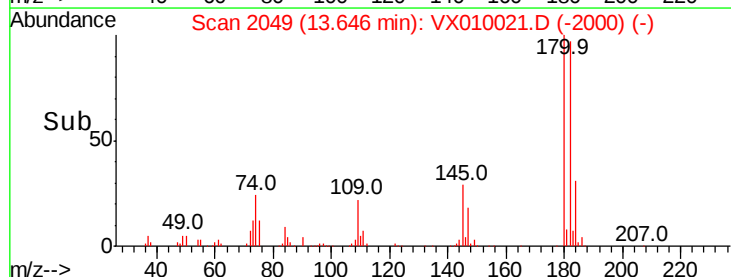
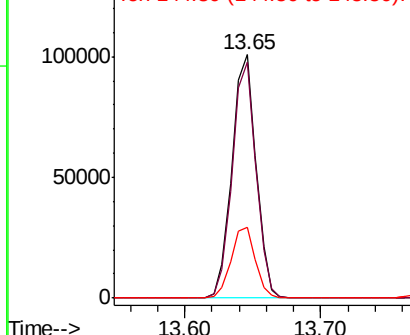
180 100

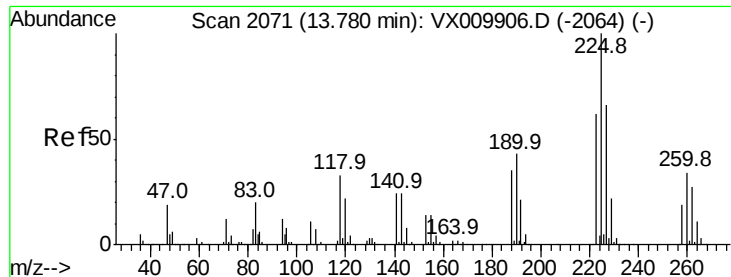
182 95.9 47.4 142.2

145 29.0 14.5 43.5



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





#94

Hexachlorobutadiene

Concen: 45.274 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX010021.D

Acq: 01 Jun 2019 06:26

Instrument :

MSVOA_X

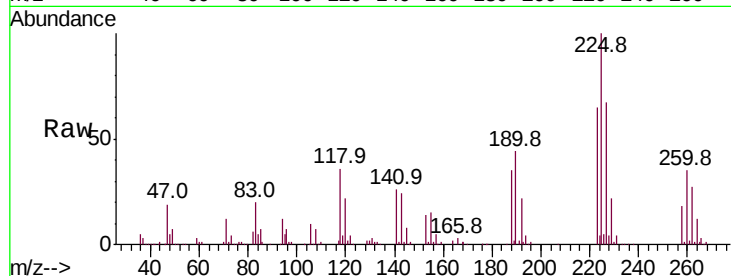
ClientSampleId :

LF012MW004-190528MS

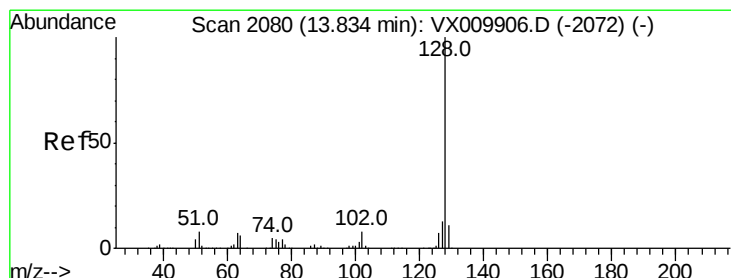
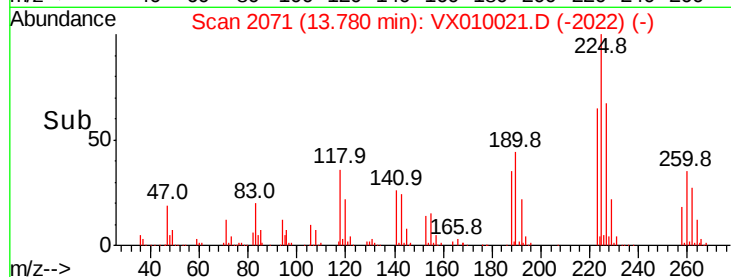
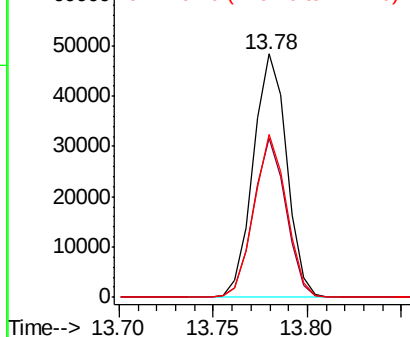
Tot Ion:	225	Resp:	59631
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.3	93.8
227	64.9	32.3	96.8

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



#95

Naphthalene

Concen: 49.736 ug/l

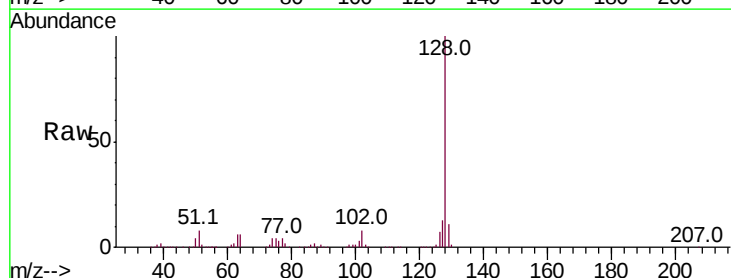
RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

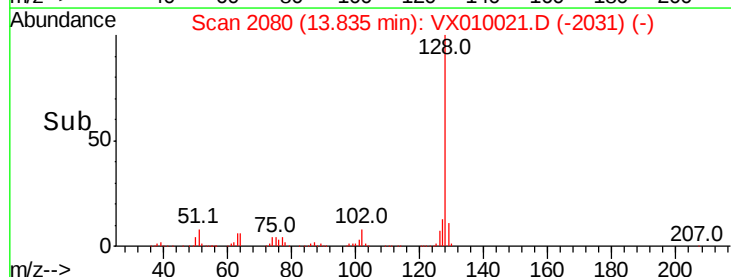
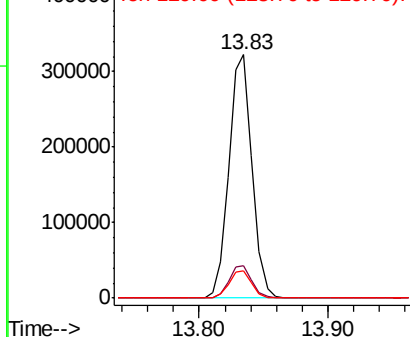
Lab File: VX010021.D

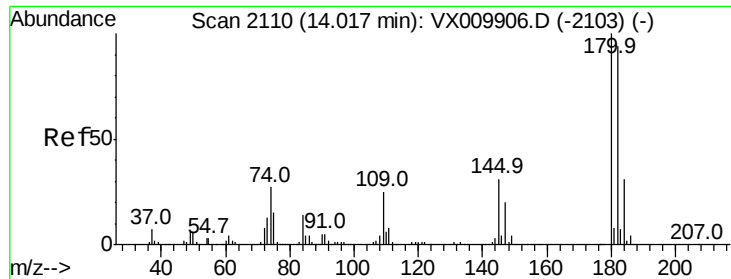
Acq: 01 Jun 2019 06:26

Tgt Ion:	128	Resp:	406438
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.9	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





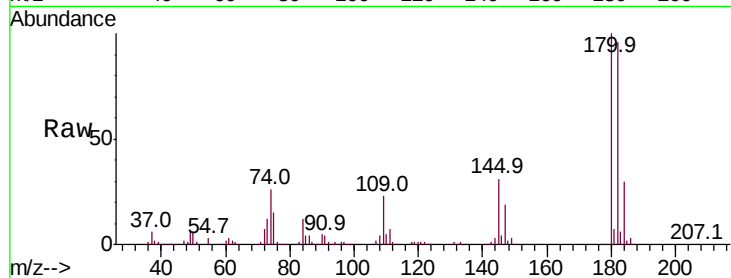
#96
 1,2,3-Trichlorobenzene
 Concen: 48.008 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX010021.D
 Acq: 01 Jun 2019 06:26

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.2	47.3	142.0
145	30.5	15.6	46.7

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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

