

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010808.D
 Acq On : 11 Jul 2019 15:37
 Operator : JC/SP
 Sample : VX0711WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD02

Manual Integrations
 APPROVED

MMDadoda
 7/12/2019 1:10:32 PM

Quant Time: Jul 12 07:25:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	220414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332182	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	304504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156741	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	108804	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
35) Dibromofluoromethane	5.50	113	102215	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
50) Toluene-d8	8.71	98	375520	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	11.13	95	138454	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	34684	22.634	ug/l	100
3) Chloromethane	1.33	50	36588	20.505	ug/l	98
4) Vinyl Chloride	1.41	62	39761	20.344	ug/l	99
5) Bromomethane	1.64	94	23782	24.977	ug/l	100
6) Chloroethane	1.72	64	25755	22.336	ug/l	97
7) Trichlorofluoromethane	1.93	101	66437	21.444	ug/l	97
8) Diethyl Ether	2.19	74	23955	21.560	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	39397	20.983	ug/l	98
10) Methyl Iodide	2.51	142	48577	18.129	ug/l	95
11) Tert butyl alcohol	3.05	59	48832	90.302	ug/l	97
12) 1,1-Dichloroethene	2.37	96	38340	20.068	ug/l	98
13) Acrolein	2.29	56	27074	75.472	ug/l	100
14) Allyl chloride	2.73	41	56496	20.829	ug/l	98
15) Acrylonitrile	3.14	53	113127	105.662	ug/l	99
16) Acetone	2.45	43	97190	93.838	ug/l	99
17) Carbon Disulfide	2.57	76	85219	16.626	ug/l	100
18) Methyl Acetate	2.78	43	45345	21.967	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	125670	20.909	ug/l	97
20) Methylene Chloride	2.85	84	43783	20.541	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	41169	20.036	ug/l	97
22) Diisopropyl ether	3.85	45	120212	21.198	ug/l	98
23) Vinyl Acetate	3.82	43	515859	105.297	ug/l	98
24) 1,1-Dichloroethane	3.70	63	68915	21.023	ug/l	99
25) 2-Butanone	4.67	43	152745	100.539	ug/l	96
26) 2,2-Dichloropropane	4.59	77	51571	18.110	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	47017	19.801	ug/l	96
28) Bromochloromethane	5.01	49	29747	18.980	ug/l	96
29) Tetrahydrofuran	5.13	42	98492	104.662	ug/l	99
30) Chloroform	5.21	83	73851	20.939	ug/l	99
31) Cyclohexane	5.58	56	61194	20.500	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	61765	19.833	ug/l	99
36) 1,1-Dichloropropene	5.81	75	52651	19.946	ug/l	98
37) Ethyl Acetate	4.84	43	58086	21.390	ug/l	98
38) Carbon Tetrachloride	5.79	117	53156	18.596	ug/l	97

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Quant Time: Jul 12 07:25:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	66948	19.294	ug/l	96
40) Benzene	6.14	78	167555	20.374	ug/l	98
41) Methacrylonitrile	5.04	41	30811	20.678	ug/l	97
42) 1,2-Dichloroethane	6.20	62	56143	22.427	ug/l	98
43) Isopropyl Acetate	6.45	43	89719	19.969	ug/l	99
44) Trichloroethene	7.21	130	48753	19.812	ug/l	96
45) 1,2-Dichloropropane	7.51	63	42594	20.510	ug/l	95
46) Dibromomethane	7.66	93	29919	20.079	ug/l	98
47) Bromodichloromethane	7.90	83	50662	18.553	ug/l	98
48) Methyl methacrylate	7.77	41	43279	20.724	ug/l	98
49) 1,4-Dioxane	7.74	88	24511	407.424	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	307746	107.097	ug/l	98
52) Toluene	8.78	92	108414	20.018	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	52833	17.257	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	61692	18.543	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	45392	20.323	ug/l	99
56) Ethyl methacrylate	9.18	69	67122	19.838	ug/l	95
57) 1,3-Dichloropropane	9.37	76	71266	20.555	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	151116	94.039	ug/l	100
59) 2-Hexanone	9.49	43	237243	104.902	ug/l	98
60) Dibromochloromethane	9.58	129	44138	17.649	ug/l	98
61) 1,2-Dibromoethane	9.67	107	47224	19.588	ug/l	98
64) Tetrachloroethene	9.34	164	48744	19.791	ug/l	99
65) Chlorobenzene	10.14	112	121808	19.704	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	41891	18.603	ug/l	99
67) Ethyl Benzene	10.25	91	207334	19.866	ug/l	100
68) m/p-Xylenes	10.36	106	160784	39.759	ug/l	99
69) o-Xylene	10.69	106	78847	19.827	ug/l	100
70) Styrene	10.71	104	133490	20.016	ug/l	99
71) Bromoform	10.85	173	31253	15.960	ug/l #	99
73) Isopropylbenzene	11.02	105	209517	19.719	ug/l	99
74) N-amyl acetate	10.90	43	80109	19.950	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	70792	20.118	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	57066m	19.979	ug/l	
77) Bromobenzene	11.26	156	56871	19.169	ug/l	98
78) n-propylbenzene	11.36	91	231897	19.859	ug/l	98
79) 2-Chlorotoluene	11.42	91	137583	19.786	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	173719	19.833	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17582	14.361	ug/l #	84
82) 4-Chlorotoluene	11.51	91	159324	20.136	ug/l	99
83) tert-Butylbenzene	11.77	119	170157	19.355	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	176859	20.097	ug/l	99
85) sec-Butylbenzene	11.94	105	206212	19.977	ug/l	99
86) p-Isopropyltoluene	12.06	119	186674	19.552	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	99550	19.223	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	100974	19.152	ug/l	99
89) n-Butylbenzene	12.38	91	156712	19.316	ug/l	100
90) Hexachloroethane	12.60	117	26093	15.805	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	100582	19.542	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13917	18.344	ug/l	88

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MSVOA_X
ClientSampleId :
VX0711WBSD02

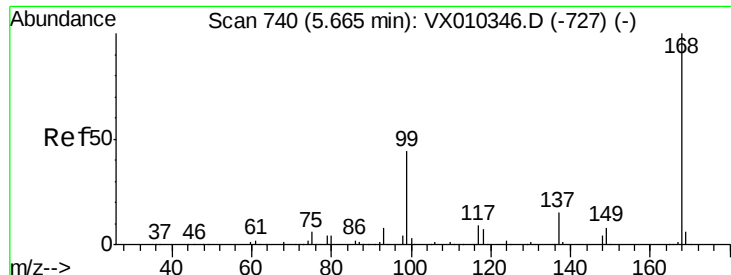
Manual Integrations
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7/12/2019 1:10:32 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	67371	18.875	ug/l	98
94) Hexachlorobutadiene	13.78	225	33356	19.121	ug/l	98
95) Naphthalene	13.83	128	205532	18.738	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	66685	18.790	ug/l	98

(#) = 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: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD02

Tot Ion:168 Resp: 220414

Ion Ratio Lower Upper

168 100

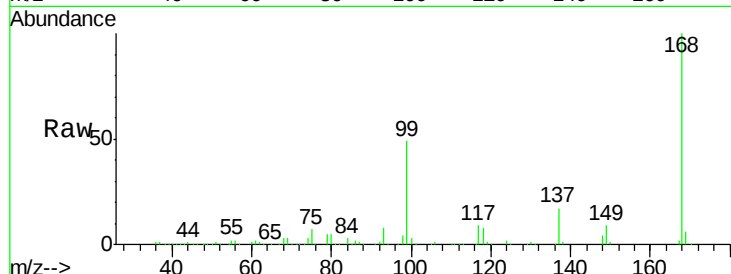
99 48.7 35.5 53.3

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

80000

60000

40000

20000

0

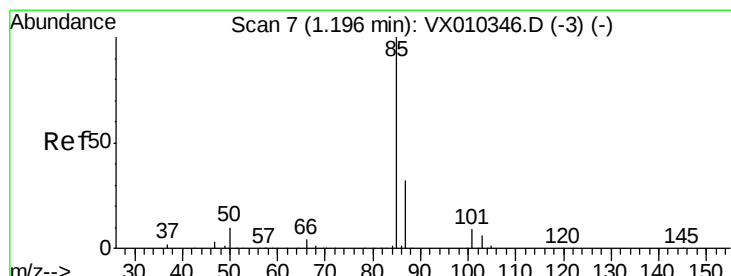
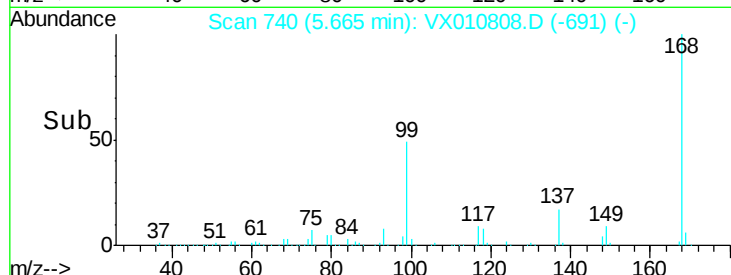
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 22.634 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010808.D

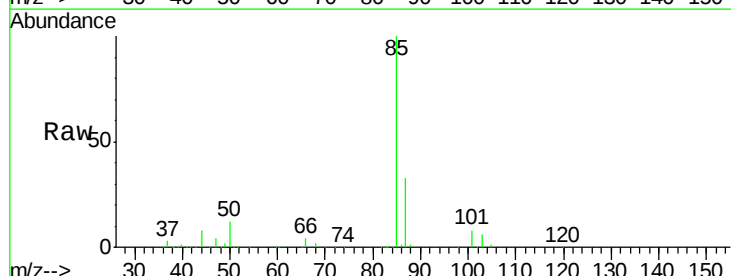
Acq: 11 Jul 2019 15:37

Tgt Ion: 85 Resp: 34684

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

40000

30000

20000

10000

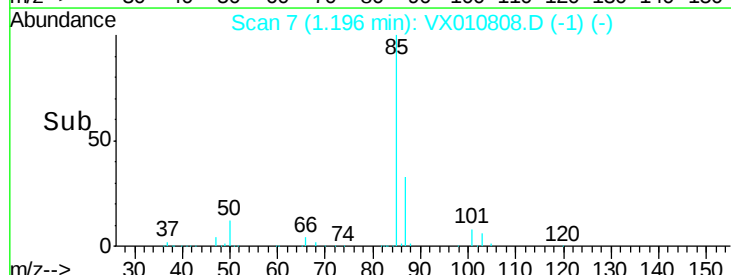
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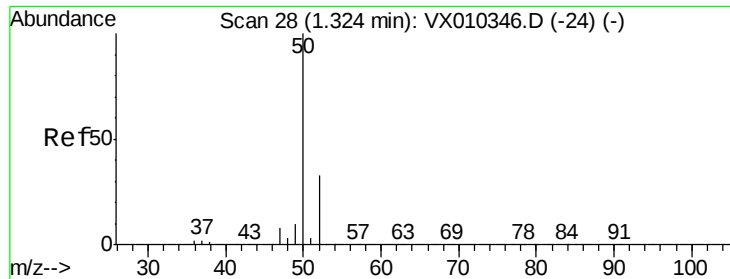
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 20.505 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD02

Tot Ion: 50 Resp: 36588

Ion Ratio Lower Upper

50 100

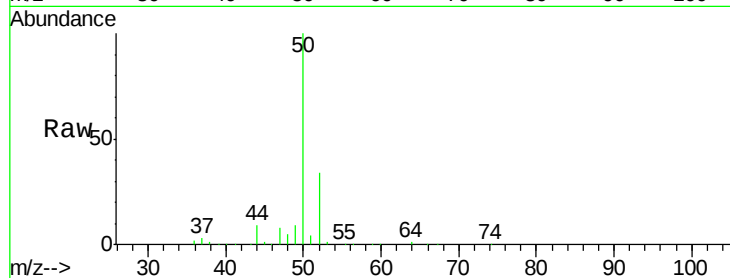
52 34.1 26.5 39.7

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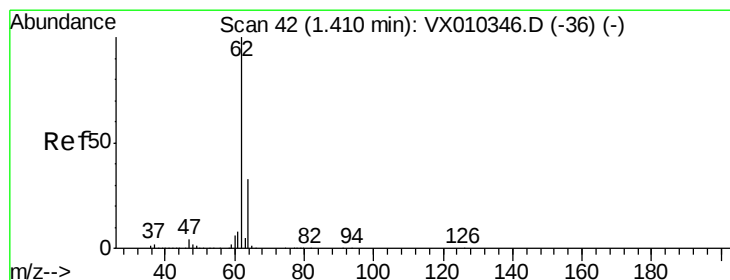
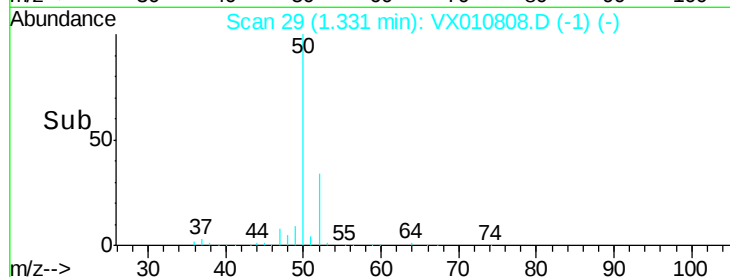
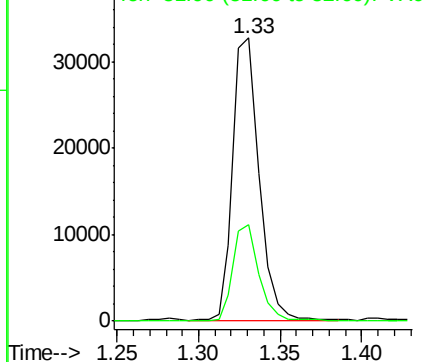
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.344 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010808.D

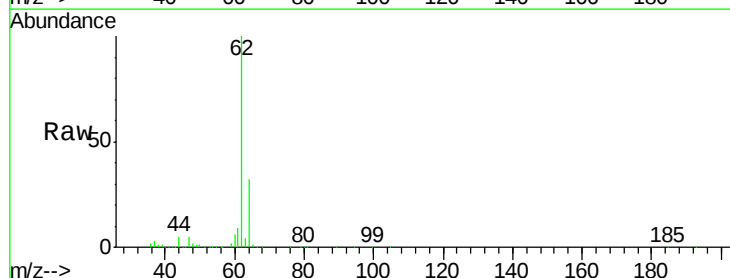
Acq: 11 Jul 2019 15:37

Tgt Ion: 62 Resp: 39761

Ion Ratio Lower Upper

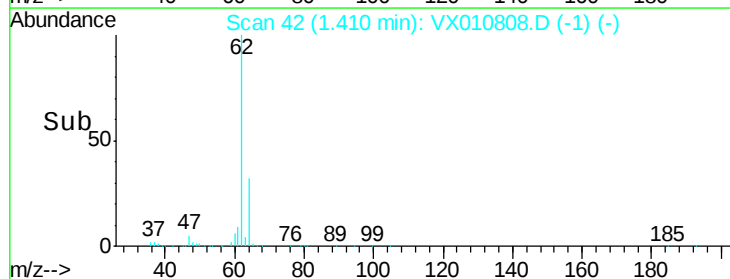
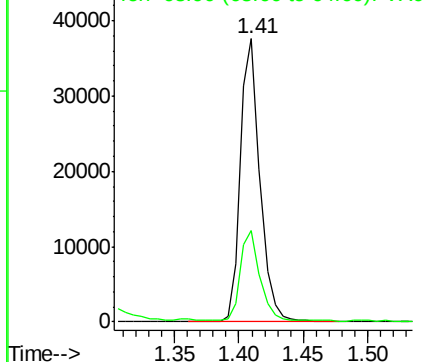
62 100

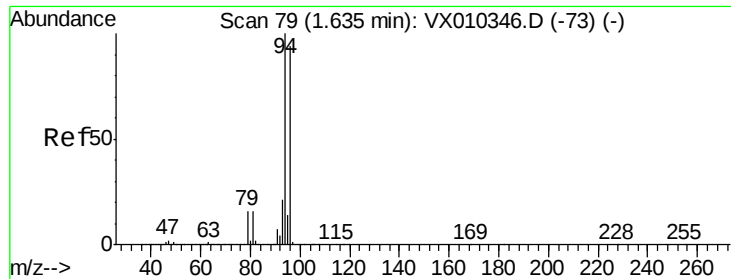
64 32.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 24.977 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

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ClientSampleId :

VX0711WBSD02

Tot Ion: 94 Resp: 23782

Ion Ratio Lower Upper

94 100

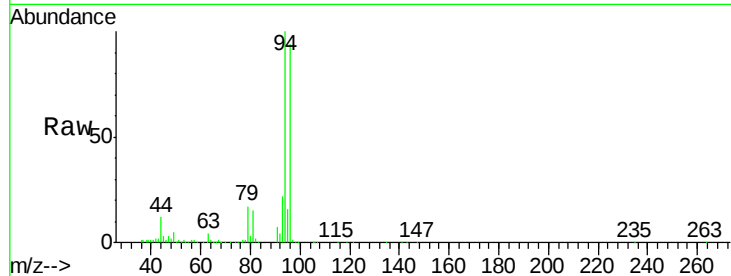
96 94.1 75.5 113.3

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

25000

20000

15000

10000

5000

0

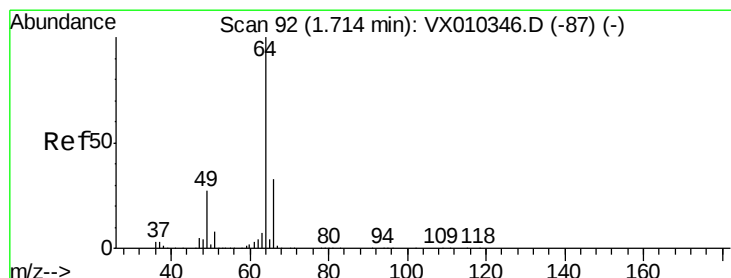
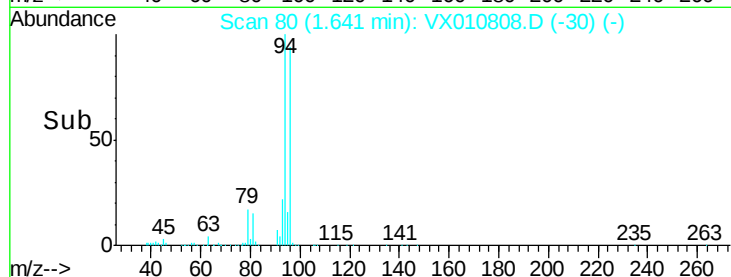
Time-->

1.55

1.60

1.64

1.70



#6

Chloroethane

Concen: 22.336 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010808.D

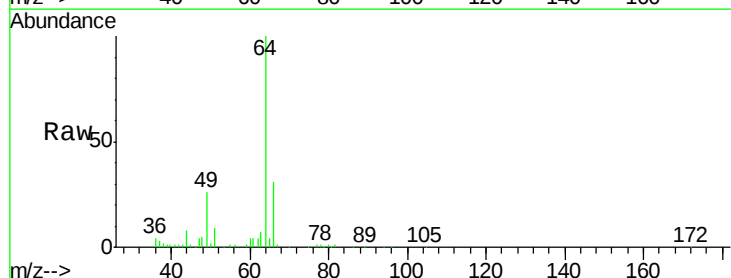
Acq: 11 Jul 2019 15:37

Tgt Ion: 64 Resp: 25755

Ion Ratio Lower Upper

64 100

66 31.6 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

20000

15000

10000

5000

0

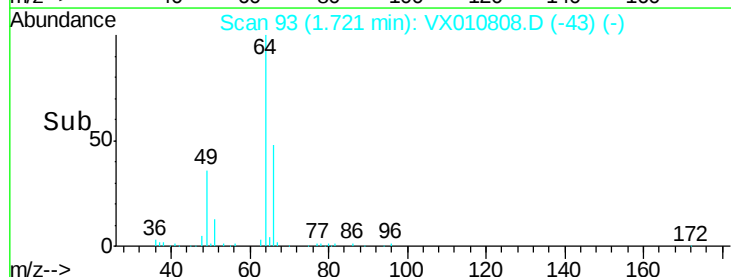
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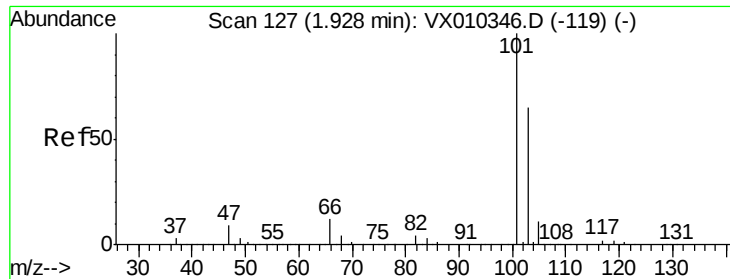
1.65

1.70

1.72

1.80





#7

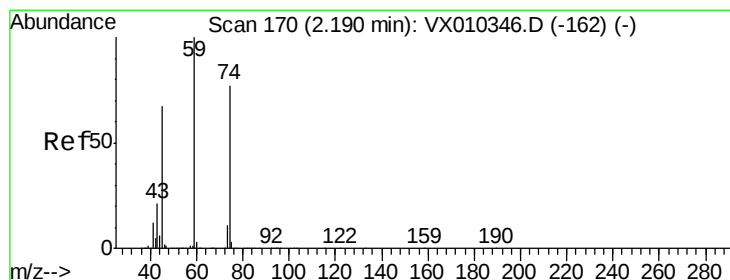
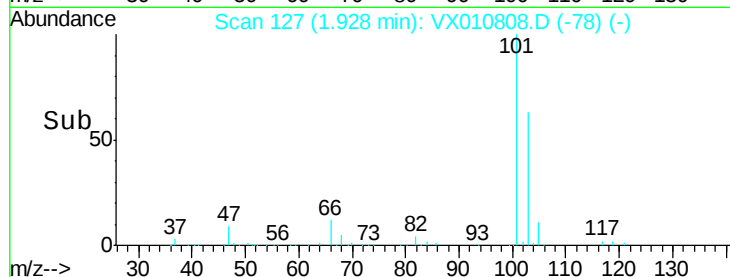
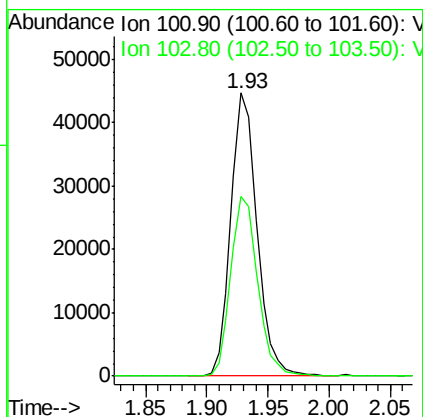
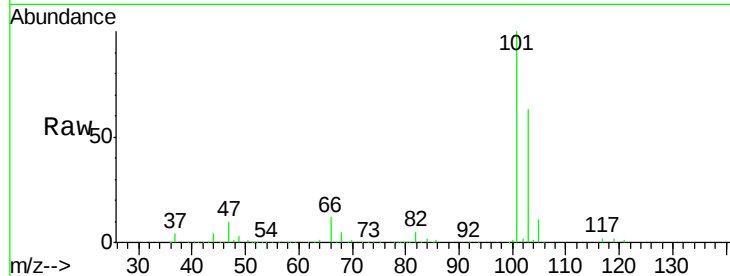
Trichlorofluoromethane
Concen: 21.444 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010808.D
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VX0711WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.3	78.5

Manual Integrations
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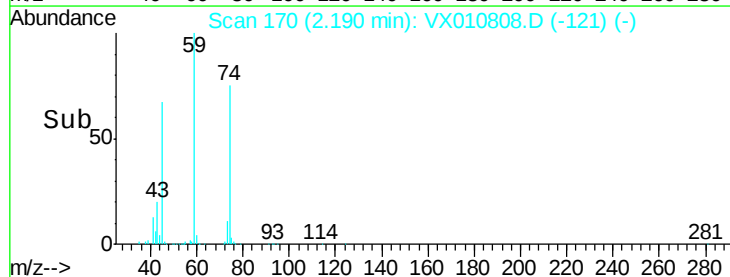
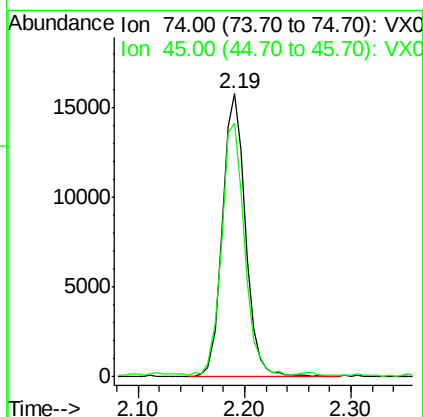
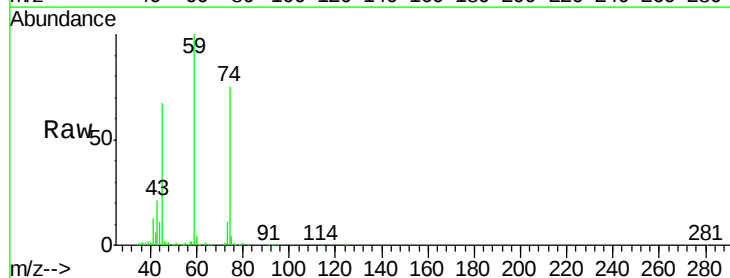
MMDadoda
7/12/2019 1:10:32 PM



#8

Diethyl Ether
Concen: 21.560 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.9	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.983 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

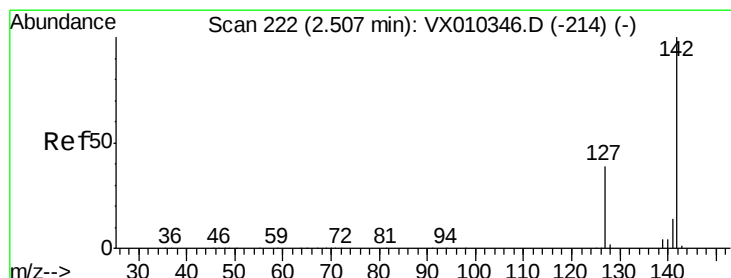
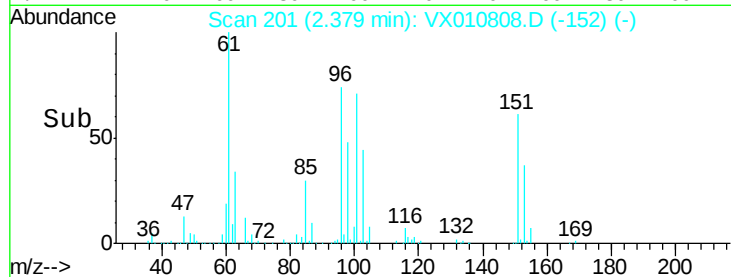
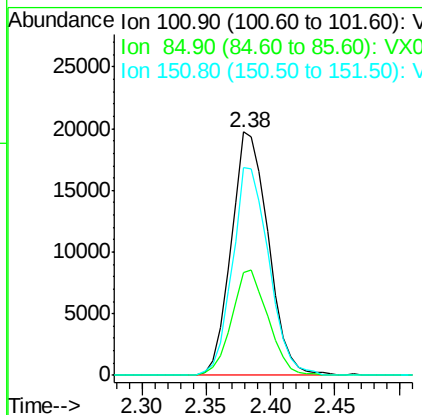
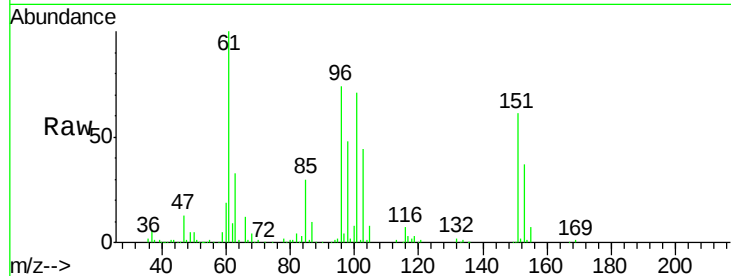
ClientSampleId :

VX0711WBSD02

Tot Ion:	101	Resp:	39397
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.7	50.5
151	84.6	70.1	105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 18.129 ug/l

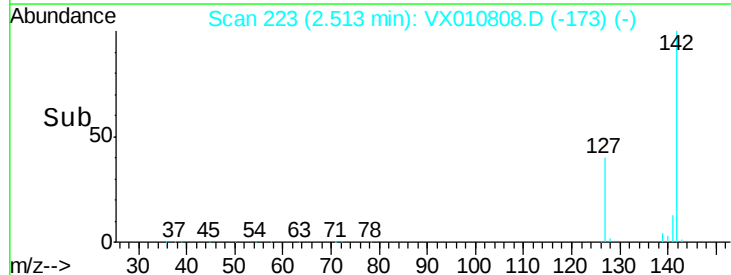
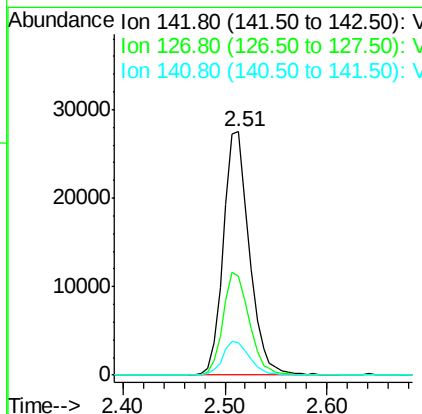
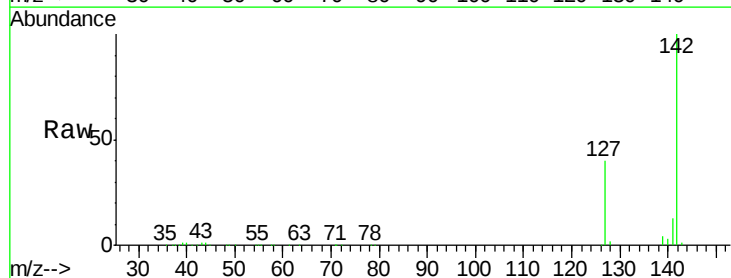
RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Tgt Ion:	142	Resp:	48577
Ion Ratio	Lower	Upper	
142	100		
127	42.6	31.1	46.7
141	14.4	11.2	16.8





#11

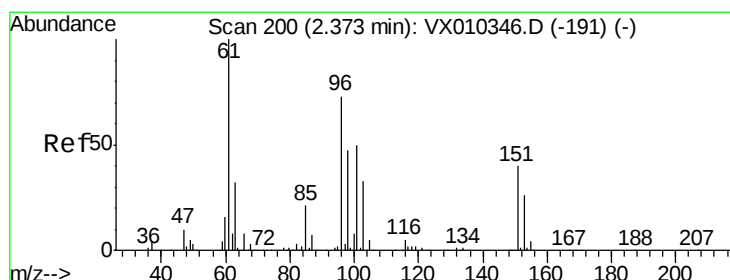
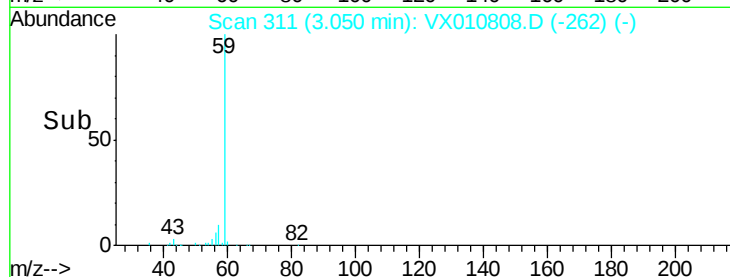
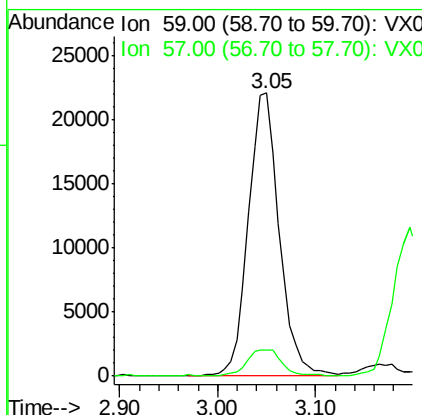
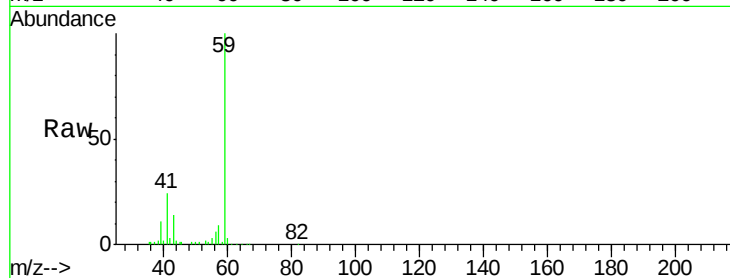
Tert butyl alcohol
 Concen: 90.302 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD02

Tot Ion	59	Resp	48832
Ion Ratio	100	Lower	Upper
57	10.7	7.7	11.5

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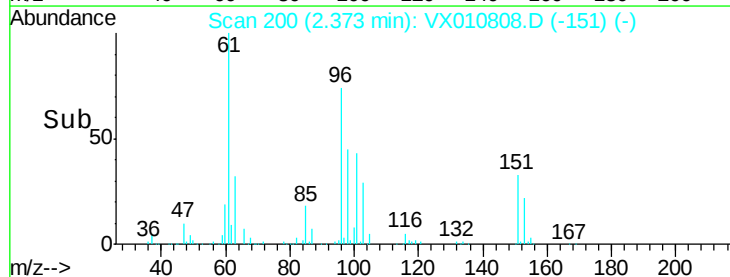
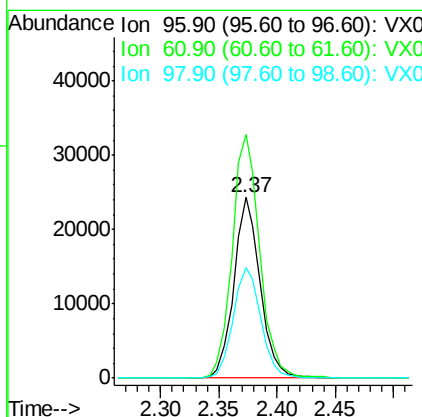
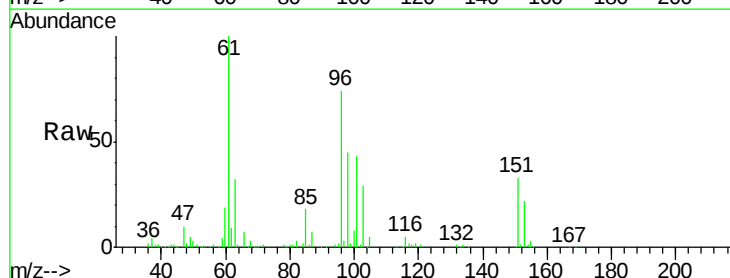
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 7/12/2019 1:10:32 PM



#12

1,1-Dichloroethene
 Concen: 20.068 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Tgt Ion	96	Resp	38340
Ion Ratio	100	Lower	Upper
61	134.8	109.2	163.8
98	61.2	51.1	76.7





#13

Acrolein

Concen: 75.472 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD02

Tot Ion: 56 Resp: 27074

Ion Ratio Lower Upper

56 100

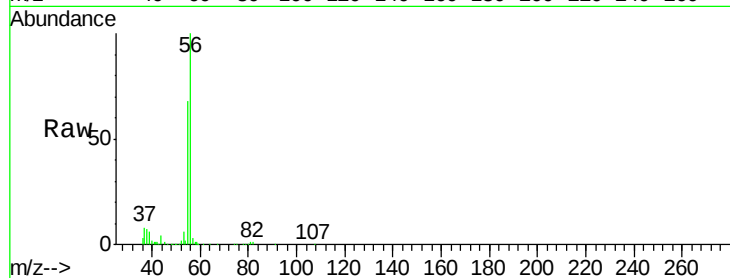
55 71.4 56.9 85.3

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

20000

15000

10000

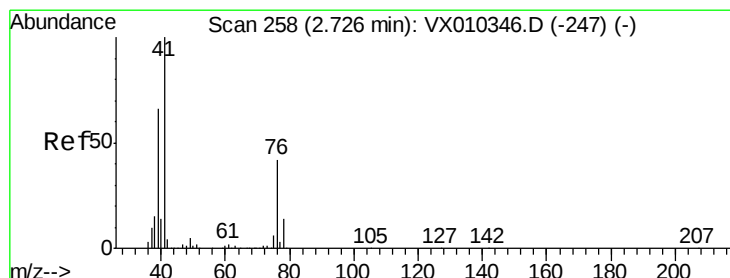
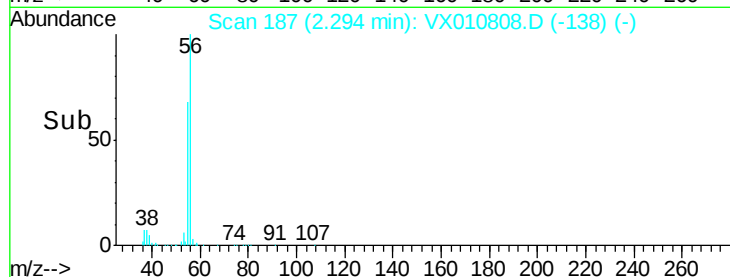
5000

0

Time-->

2.20 2.25 2.30 2.35

2.29



#14

Allyl chloride

Concen: 20.829 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

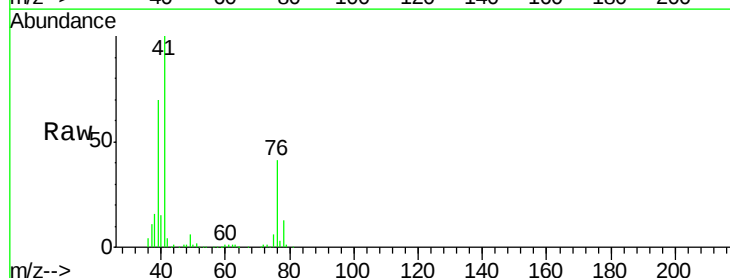
Tgt Ion: 41 Resp: 56496

Ion Ratio Lower Upper

41 100

39 63.3 50.3 75.5

76 36.3 31.3 46.9



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

60000

40000

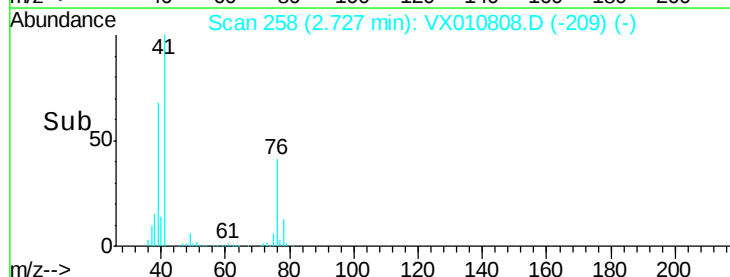
20000

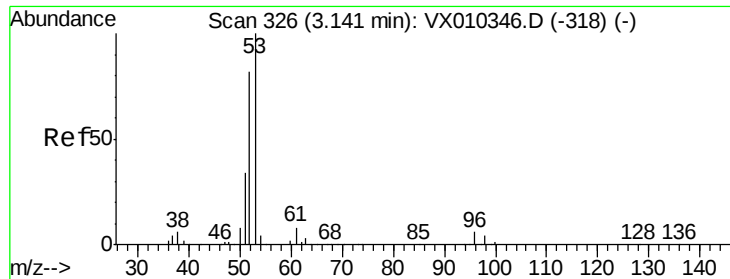
0

Time-->

2.60 2.70 2.80

2.73





#15

Acrylonitrile

Concen: 105.662 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

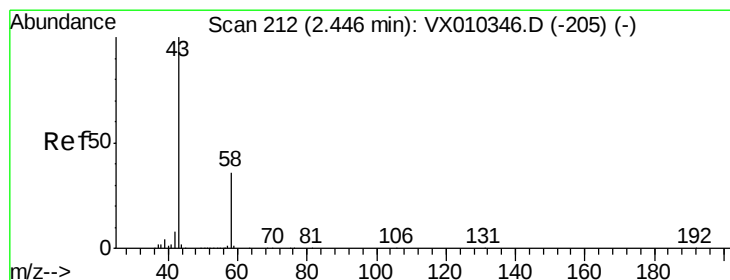
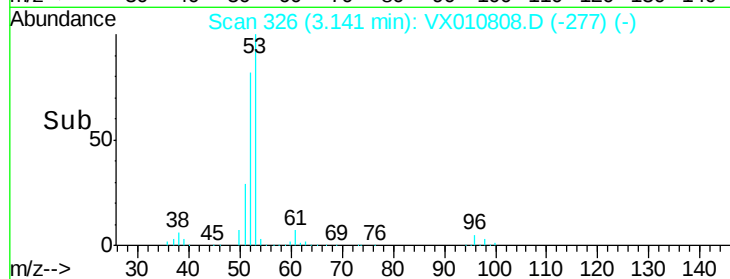
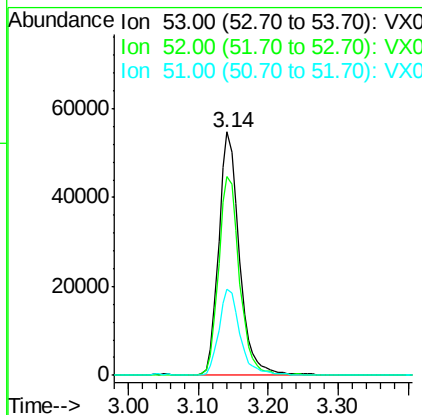
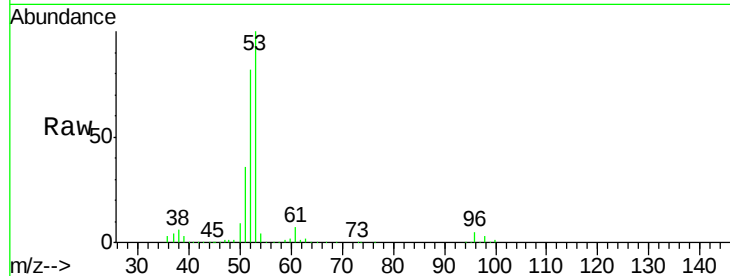
ClientSampleId :

VX0711WBSD02

Tot Ion:	53	Resp:	113127
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	36.5	28.2	42.4

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#16

Acetone

Concen: 93.838 ug/l

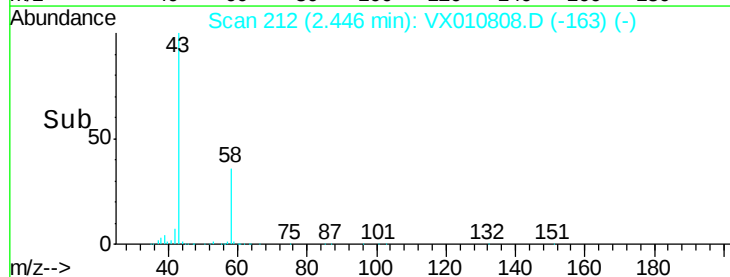
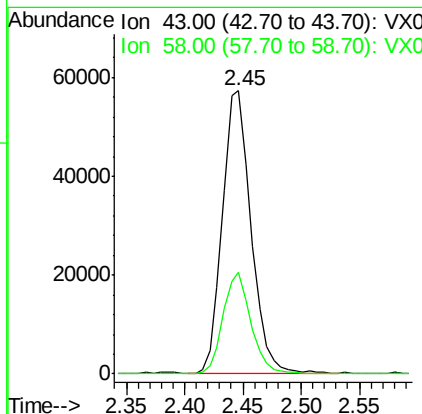
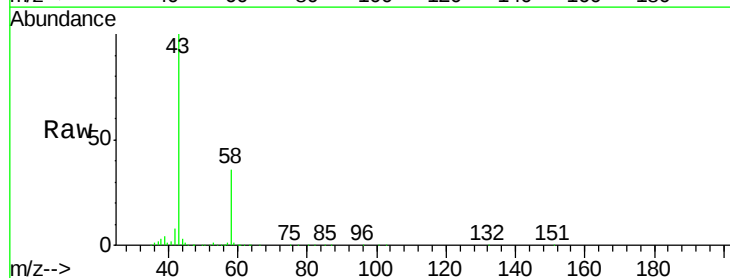
RT: 2.45 min Scan# 212

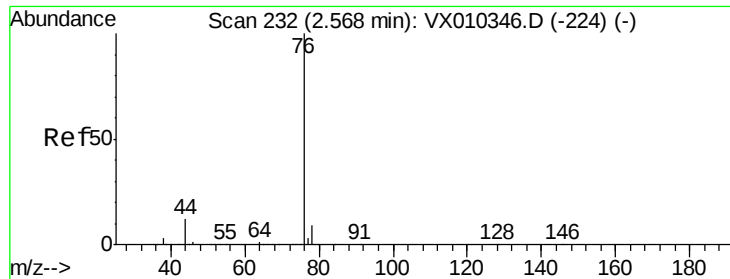
Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Tgt Ion:	43	Resp:	97190
Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.9	43.3





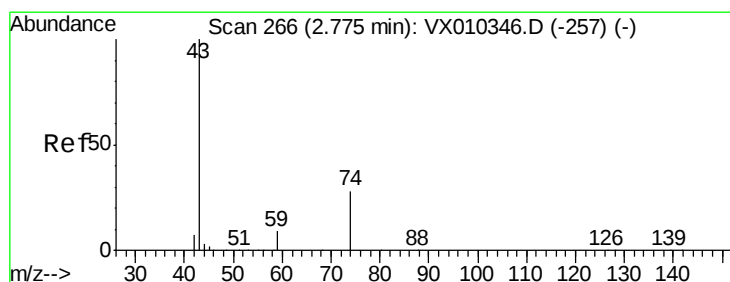
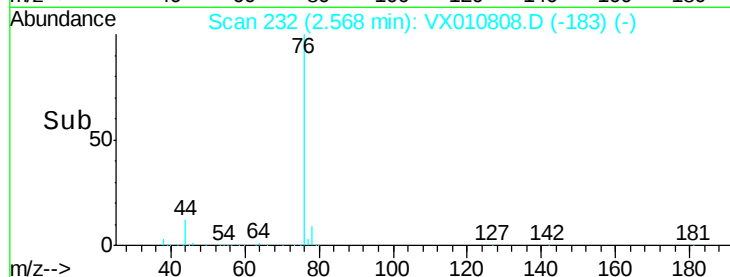
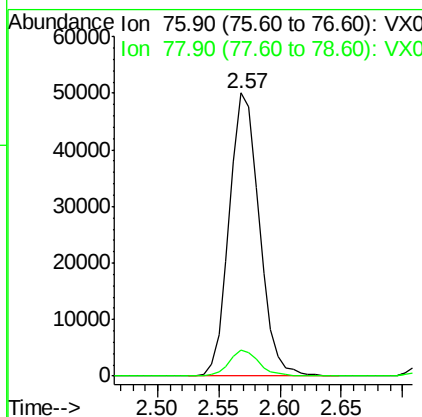
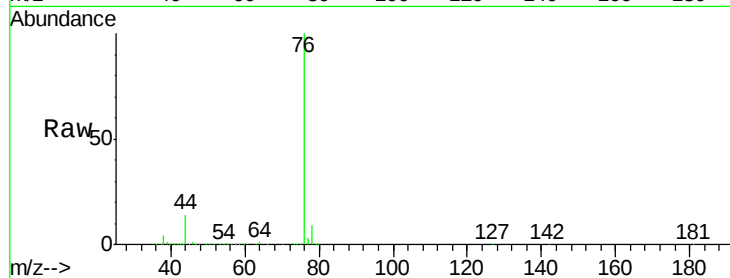
#17
Carbon Disulfide
Concen: 16.626 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
76	76	100		
78	78	9.3	7.3	10.9

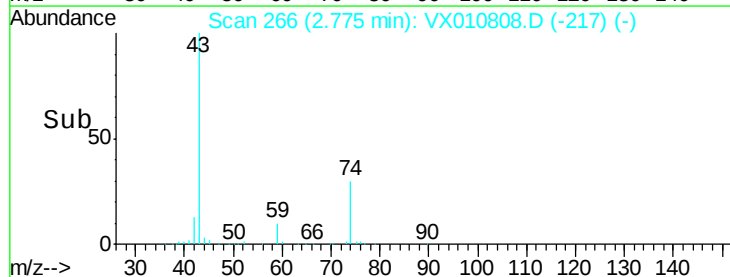
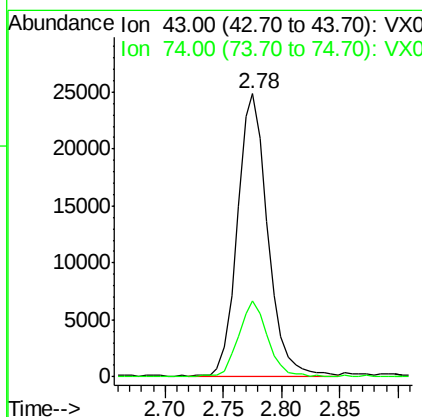
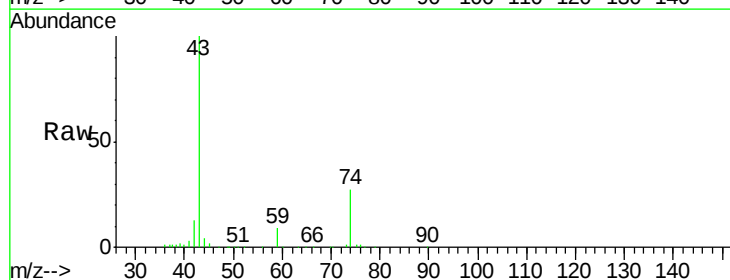
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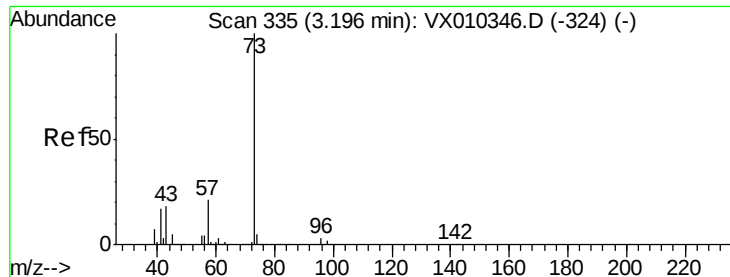
MMDadoda
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#18
Methyl Acetate
Concen: 21.967 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
74	74	26.2	21.3	31.9





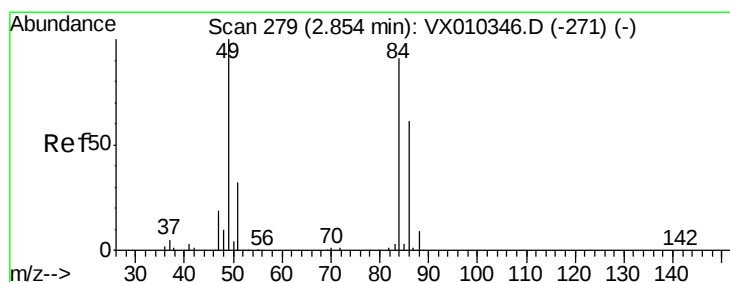
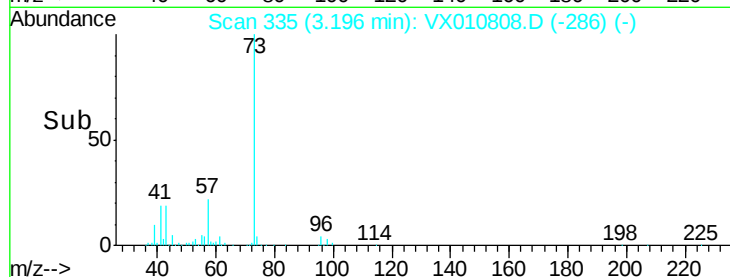
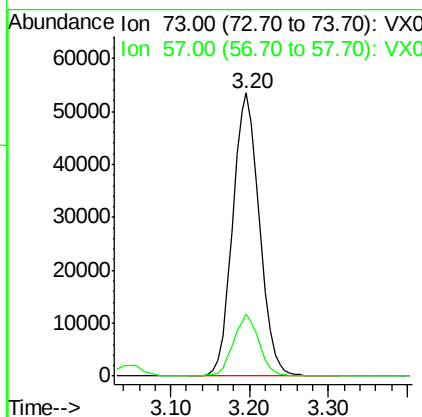
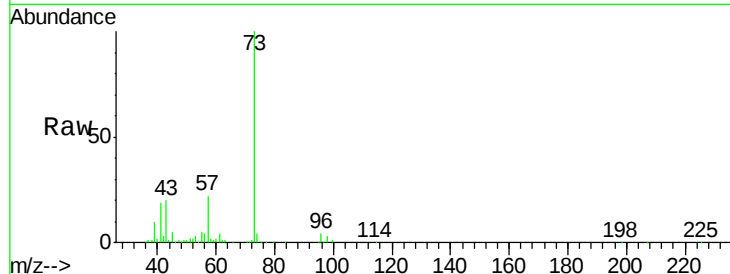
#19
Methvl tert-butvl Ether
Concen: 20.909 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD02

Tot Ion: 73 Resp: 125670
Ion Ratio Lower Upper
73 100
57 21.8 16.4 24.6

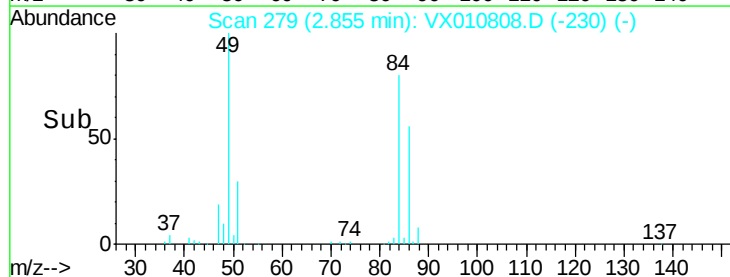
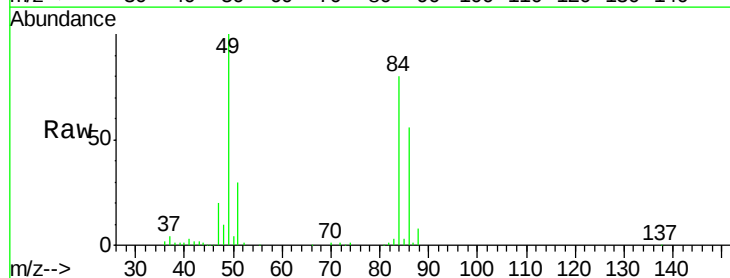
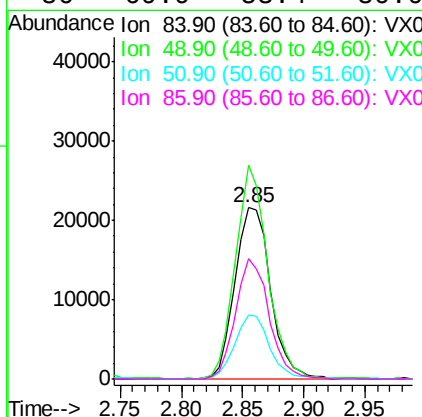
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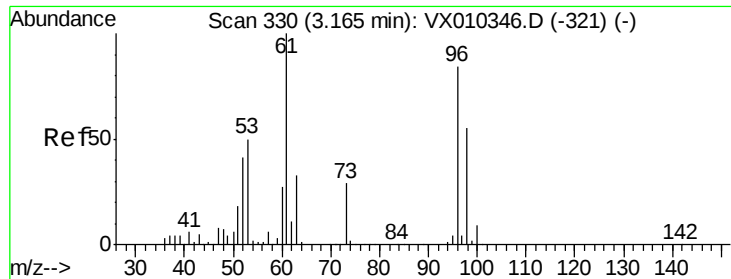
MMDadoda
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#20
Methylene Chloride
Concen: 20.541 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Tgt Ion: 84 Resp: 43783
Ion Ratio Lower Upper
84 100
49 123.9 87.5 131.3
51 37.0 27.7 41.5
86 69.9 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 20.036 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD02

Tot Ion: 96 Resp: 41169

Ion Ratio Lower Upper

96 100

61 114.8 95.6 143.4

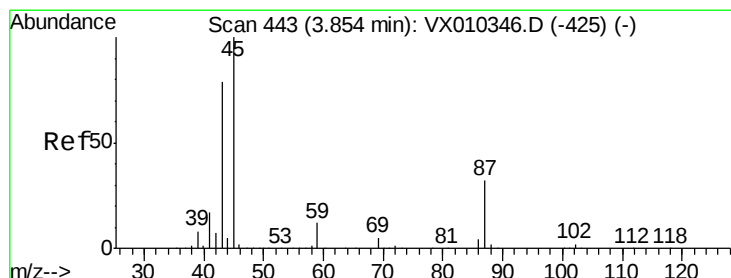
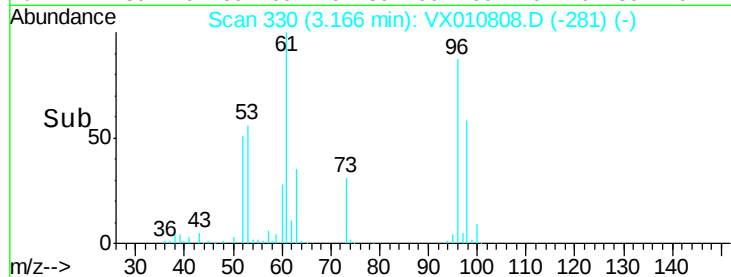
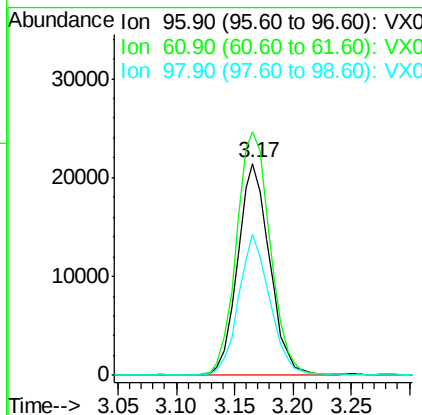
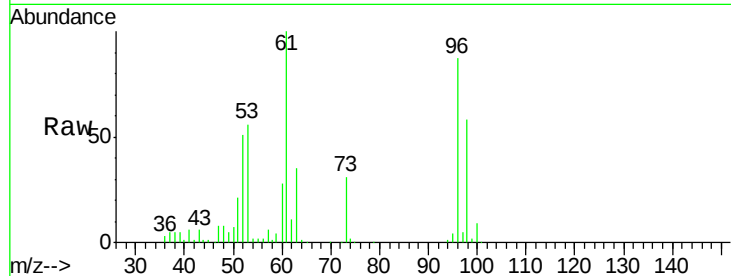
98 66.4 52.5 78.7

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#22

Diisopropyl ether

Concen: 21.198 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Tgt Ion: 45 Resp: 120212

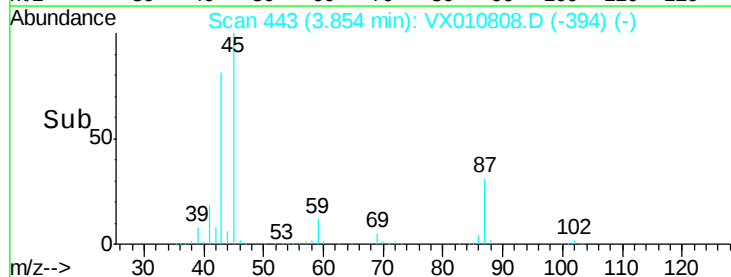
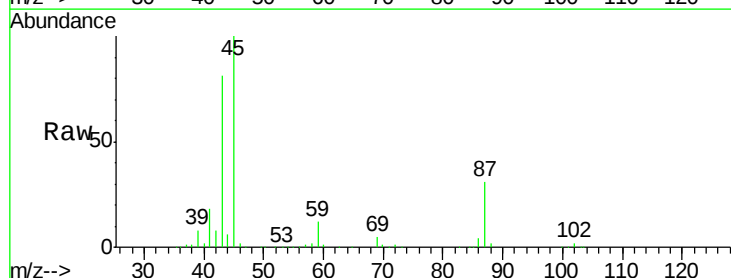
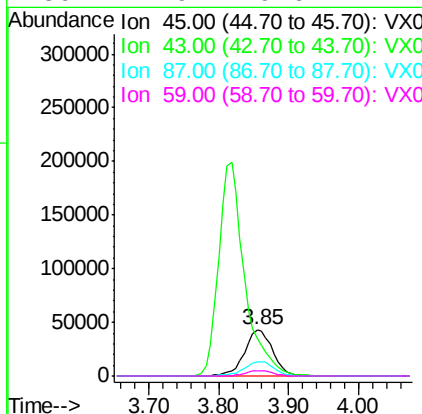
Ion Ratio Lower Upper

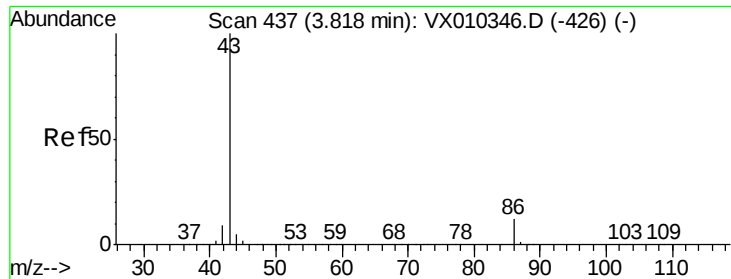
45 100

43 81.0 63.3 94.9

87 30.7 25.8 38.8

59 11.9 9.6 14.4





#23

Vinyl Acetate

Concen: 105.297 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD02

Tot Ion: 43 Resp: 515859

Ion Ratio Lower Upper

43 100

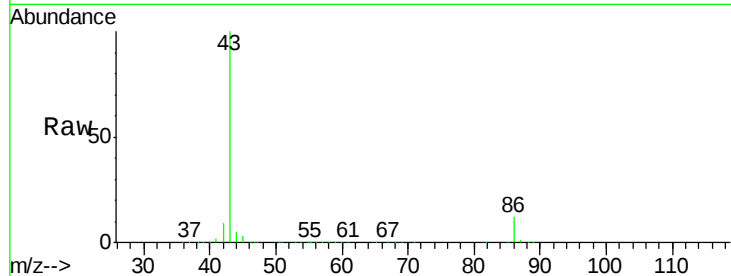
86 11.6 9.9 14.9

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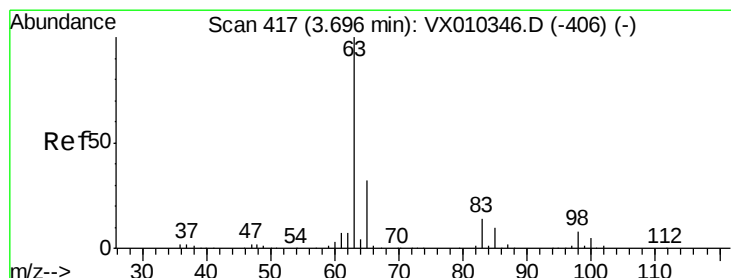
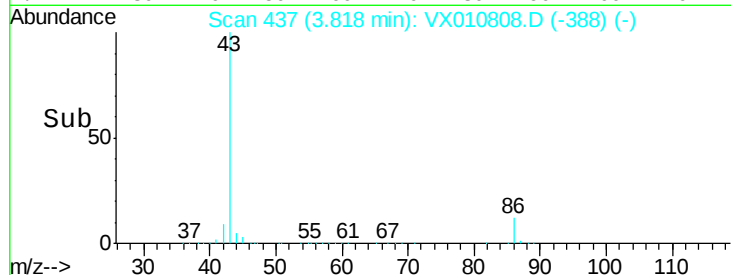
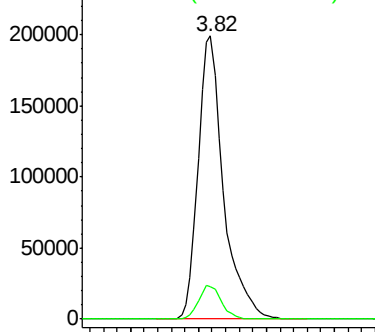
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 21.023 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

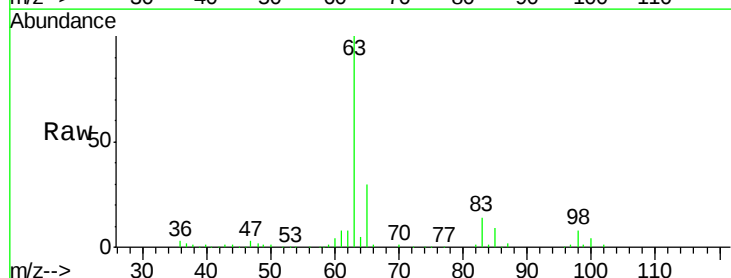
Tgt Ion: 63 Resp: 68915

Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.7

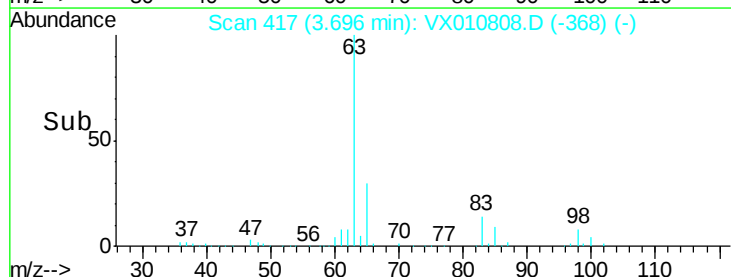
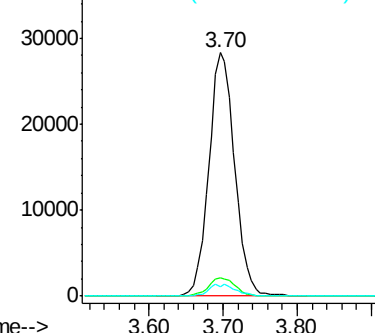
100 4.0 2.4 7.1

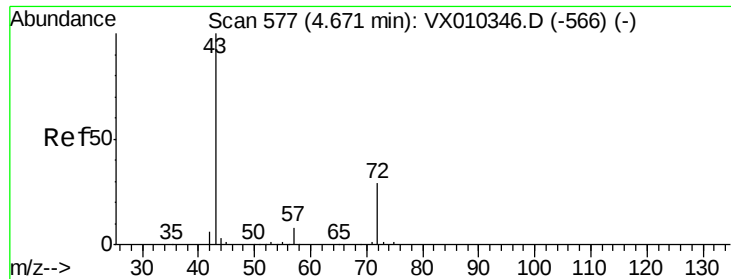


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 100.539 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD02

Tot Ion: 43 Resp: 152745

Ion Ratio Lower Upper

43 100

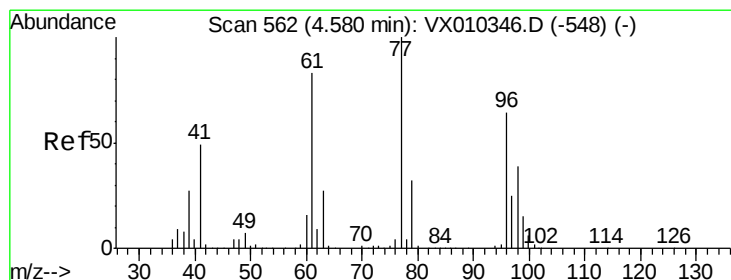
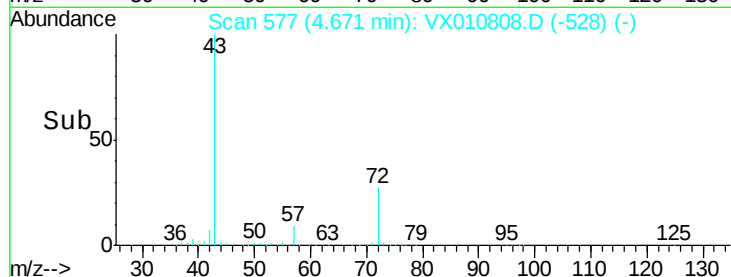
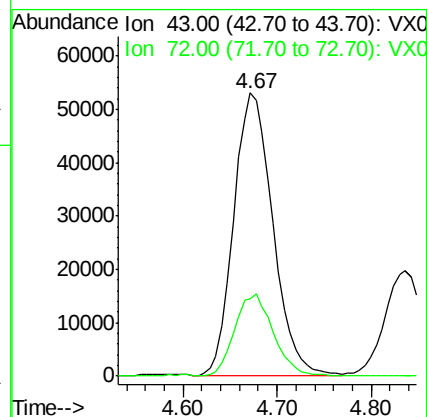
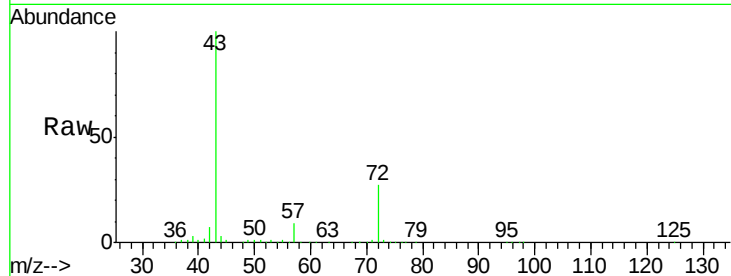
72 27.1 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.110 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010808.D

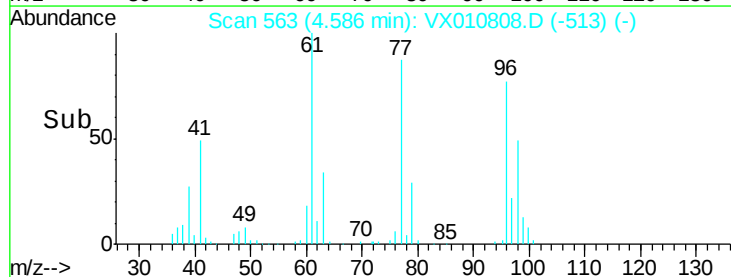
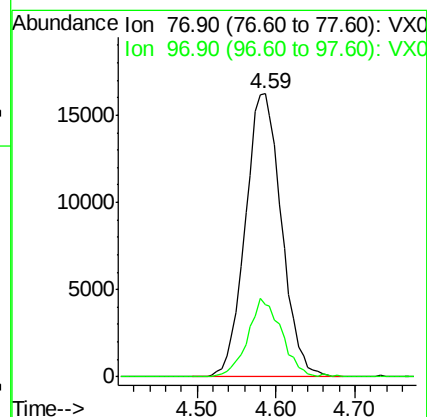
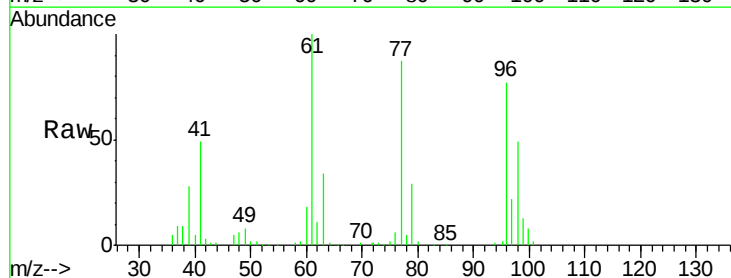
Acq: 11 Jul 2019 15:37

Tgt Ion: 77 Resp: 51571

Ion Ratio Lower Upper

77 100

97 25.9 13.1 39.3





#27

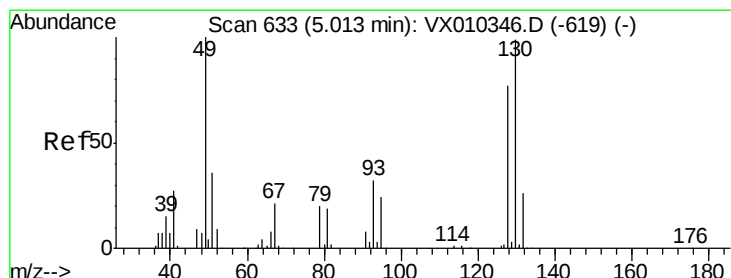
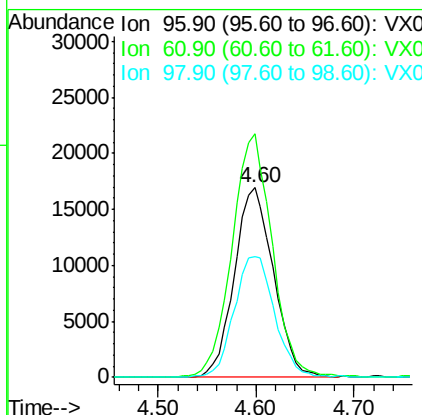
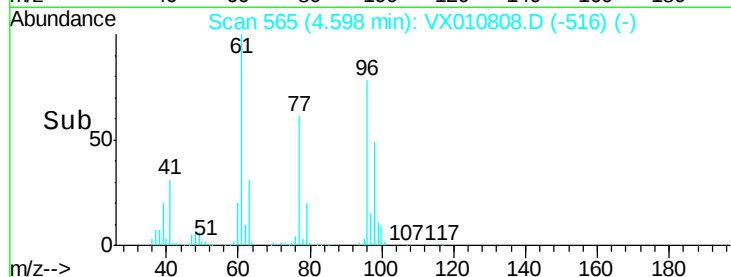
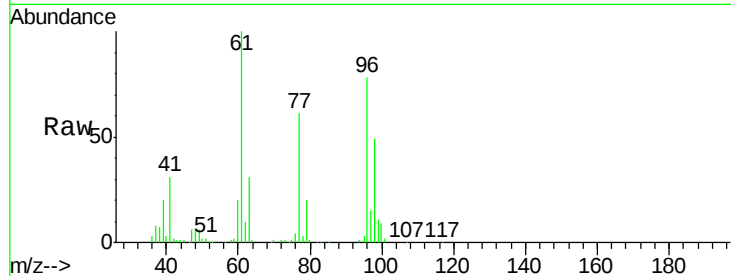
cis-1,2-Dichloroethene
Concen: 19.801 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.4	0.0	251.8
98	65.6	0.0	129.4

Manual Integrations
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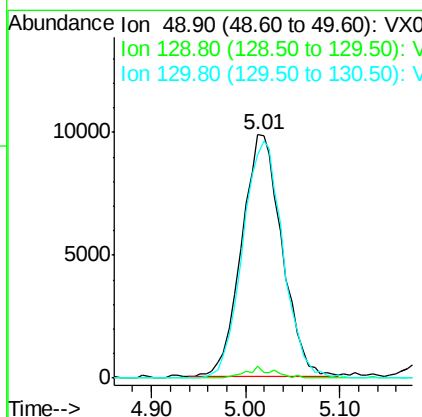
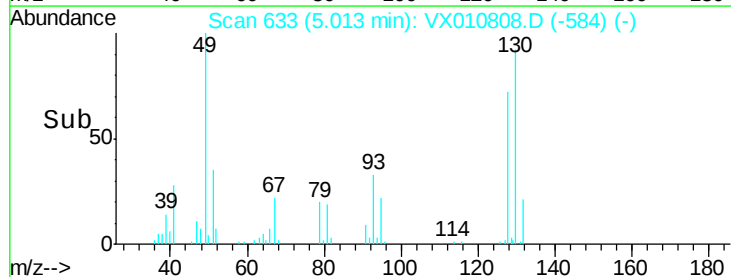
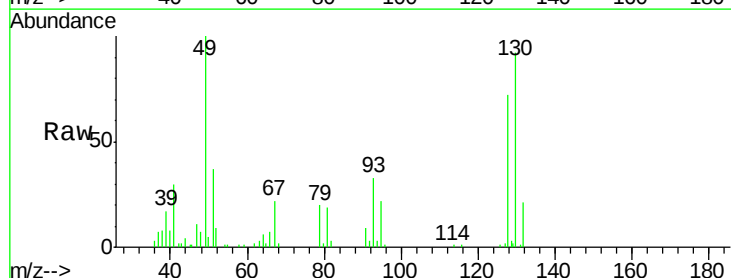
MMDadoda
7/12/2019 1:10:32 PM

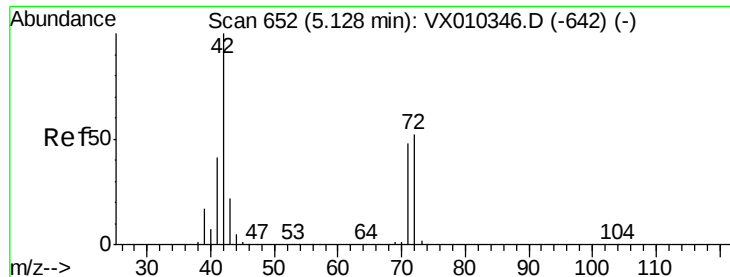


#28

Bromochloromethane
Concen: 18.980 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	5.6
130	97.4	81.4	122.0





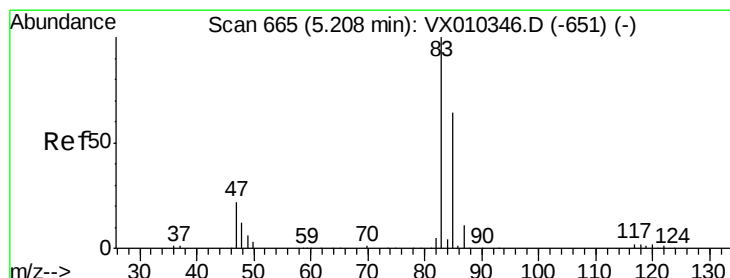
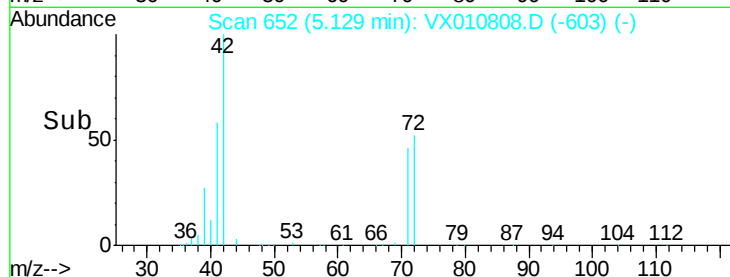
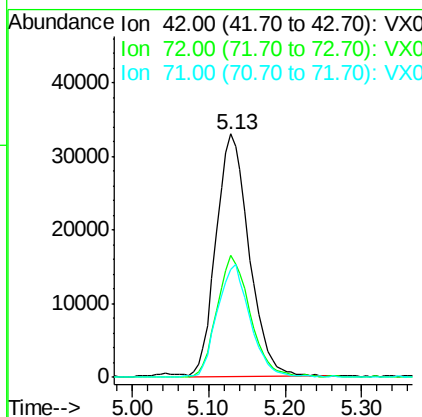
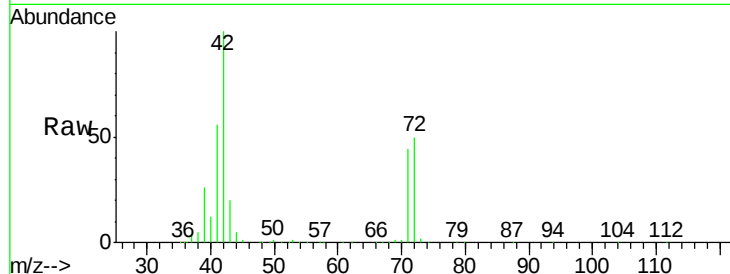
#29
Tetrahydrofuran
Concen: 104.662 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.5	40.6	60.8
71	46.5	37.8	56.8

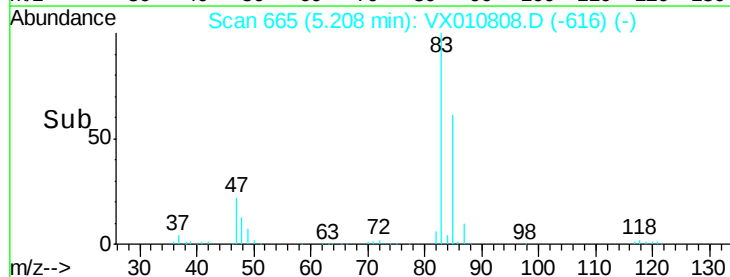
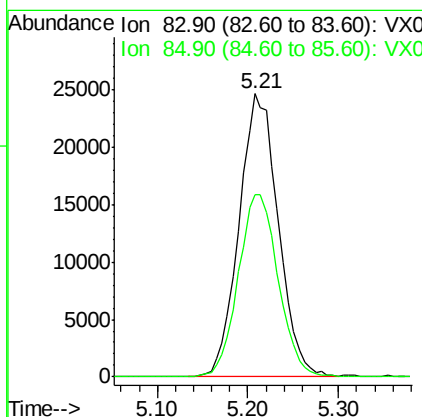
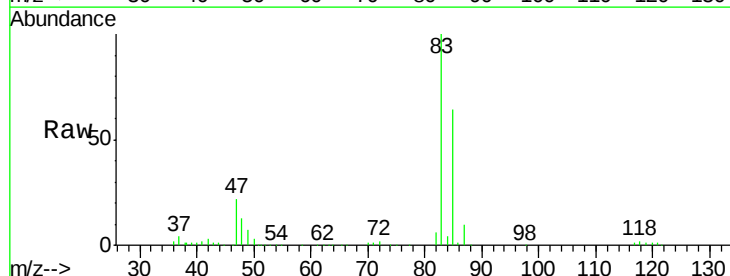
Manual Integrations
APPROVED

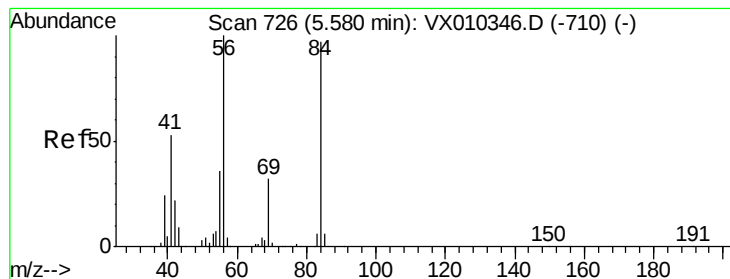
MMDadoda
7/12/2019 1:10:32 PM



#30
Chloroform
Concen: 20.939 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.9	76.3





#31

Cyclohexane

Concen: 20.500 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD02

Tot Ion: 56 Resp: 61194

Ion Ratio Lower Upper

56 100

69 31.3 25.9 38.9

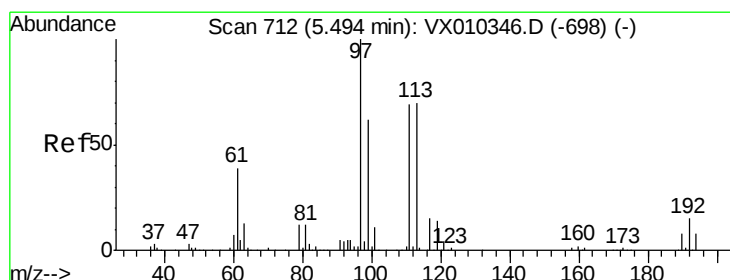
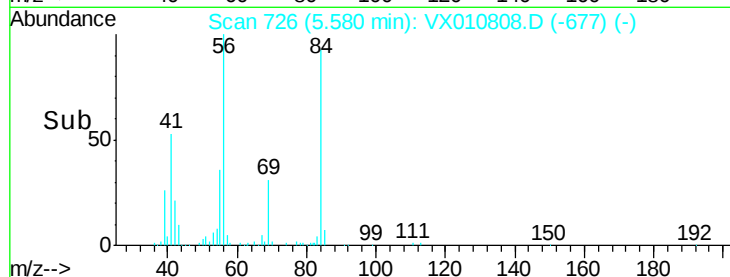
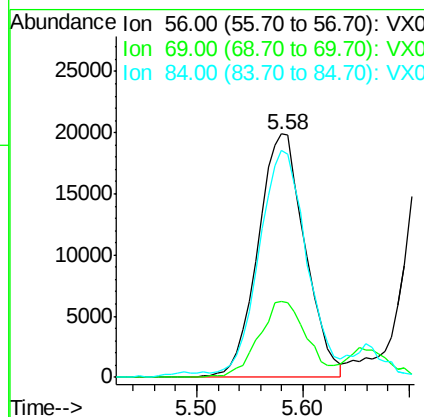
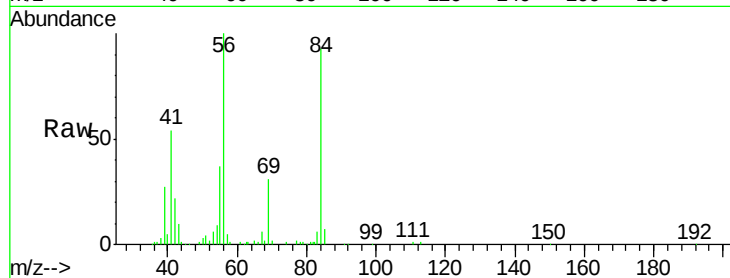
84 91.6 78.0 117.0

Manual Integrations

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7/12/2019 1:10:32 PM



#32

1,1,1-Trichloroethane

Concen: 19.833 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

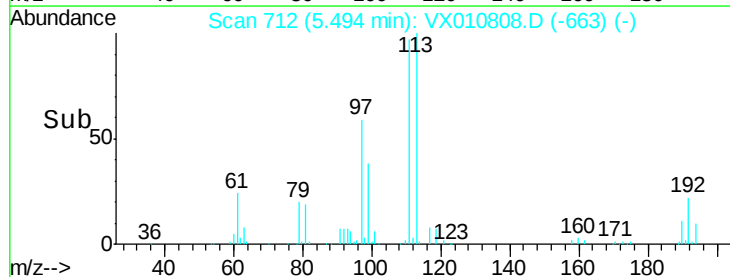
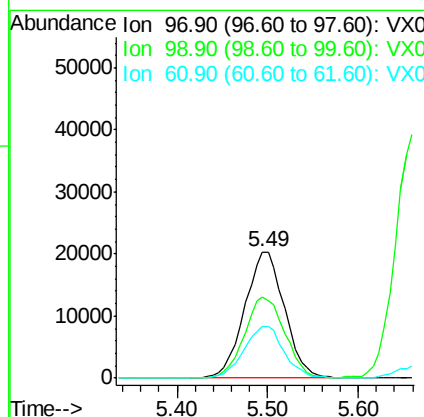
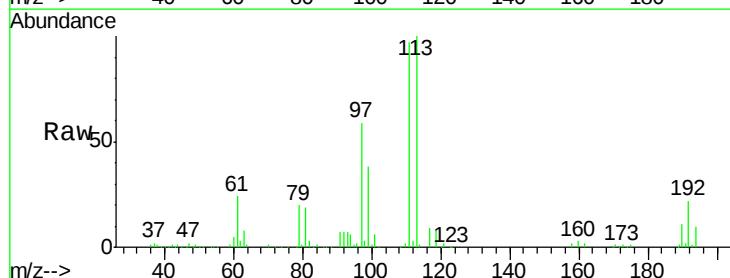
Tgt Ion: 97 Resp: 61765

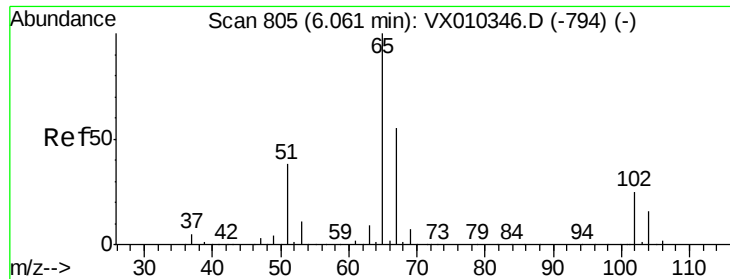
Ion Ratio Lower Upper

97 100

99 65.3 51.8 77.8

61 41.2 32.1 48.1





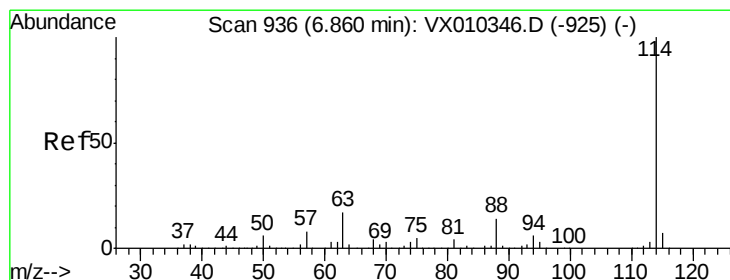
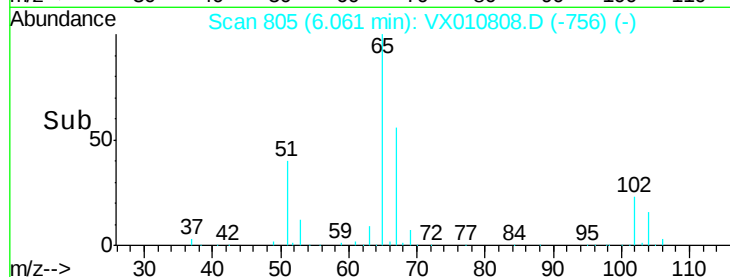
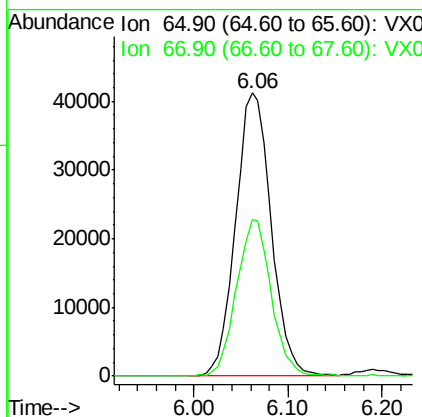
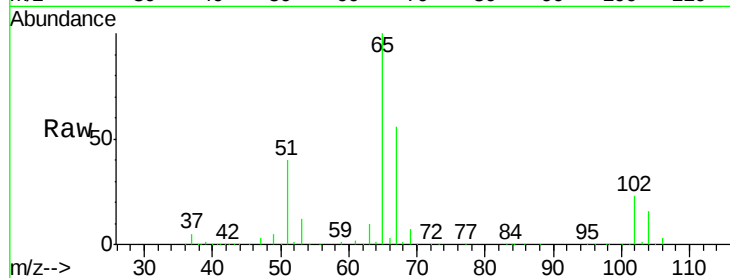
#33
 1,2-Dichloroethane-d4
 Concen: 52.649 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD02

Tot Ion: 65 Resp: 108804
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 110.2

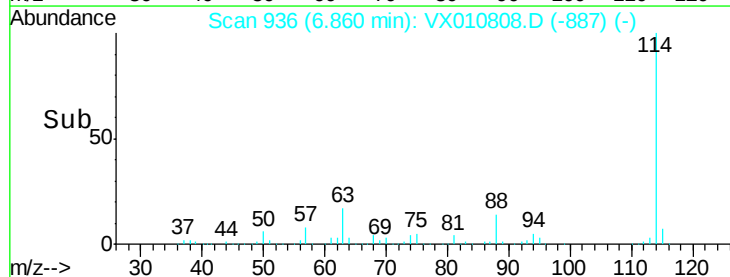
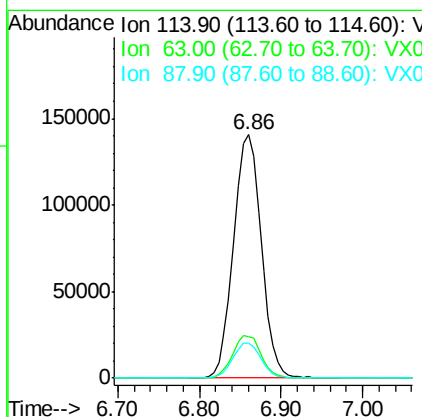
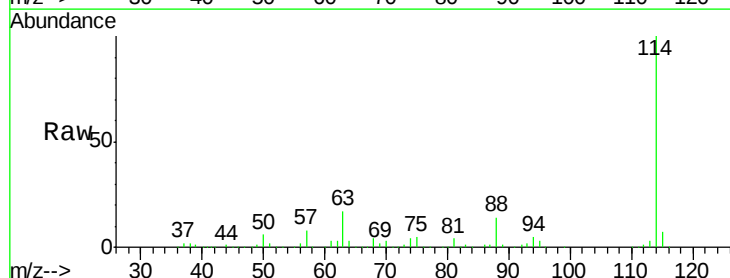
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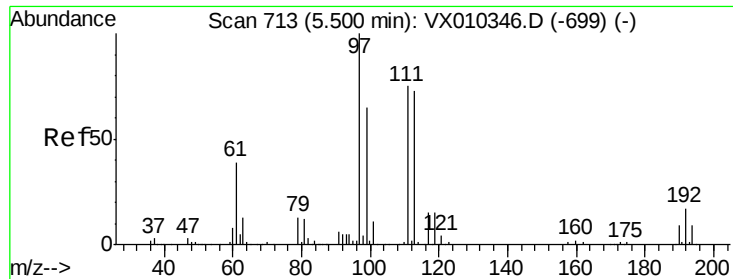
MMDadoda
 7/12/2019 1:10:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Tgt Ion: 114 Resp: 332182
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 33.8
 88 14.4 0.0 27.6





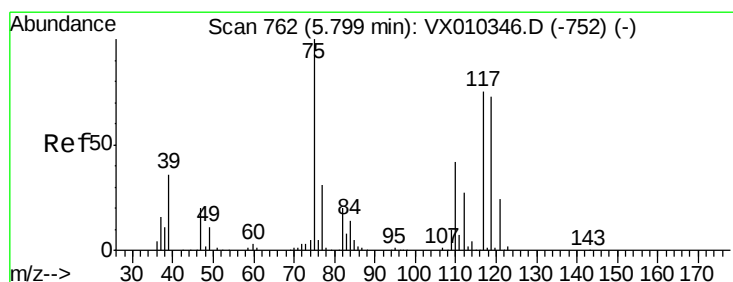
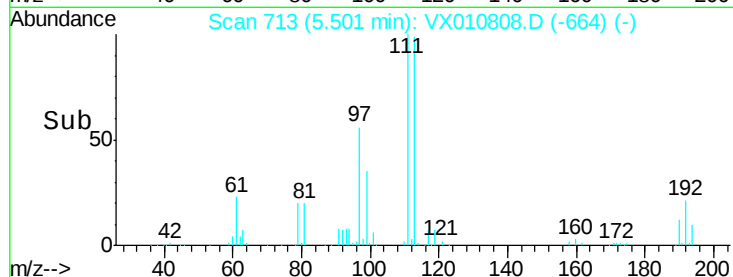
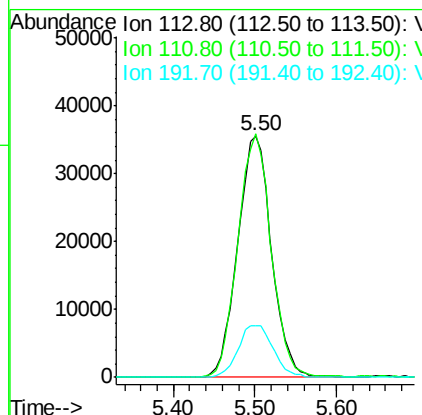
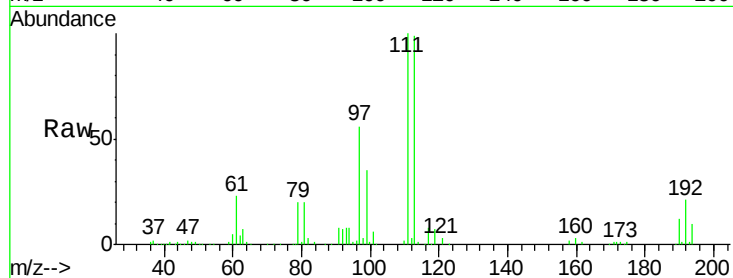
#35
Dibromofluoromethane
Concen: 50.292 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102215		
111	99.7	81.2	121.8	
192	22.4	18.6	27.8	

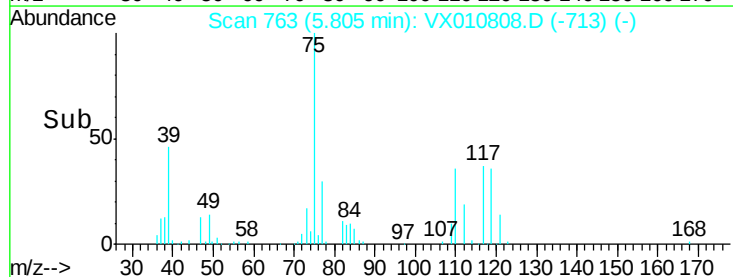
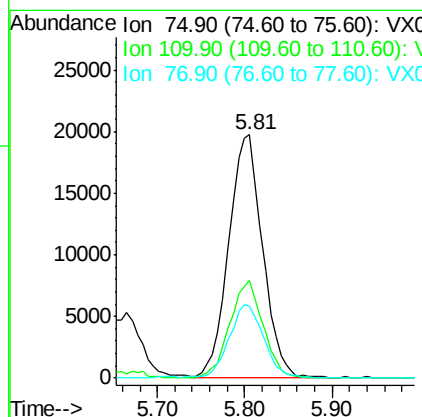
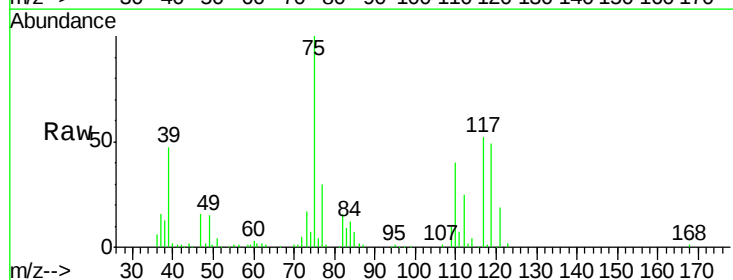
Manual Integrations
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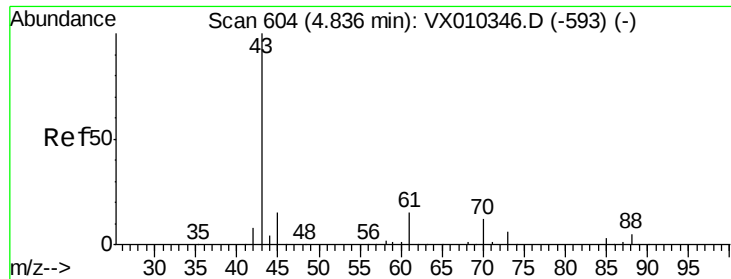
MMDadoda
7/12/2019 1:10:32 PM



#36
1,1-Dichloropropene
Concen: 19.946 ug/l
RT: 5.81 min Scan# 763
Delta R.T. 0.01 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	52651		
110	39.7	20.8	62.2	
77	31.3	25.4	38.0	





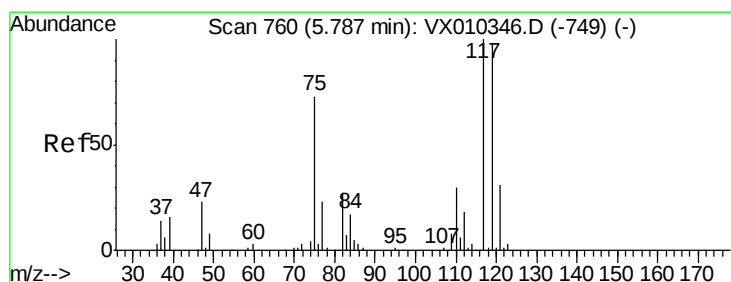
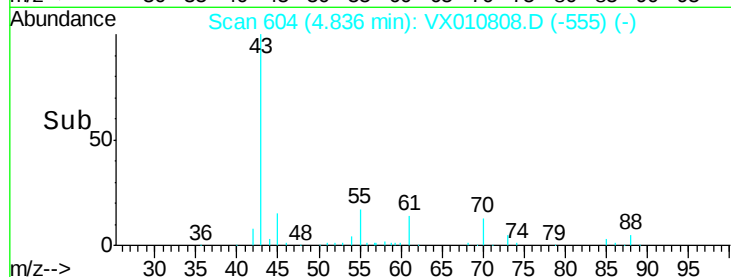
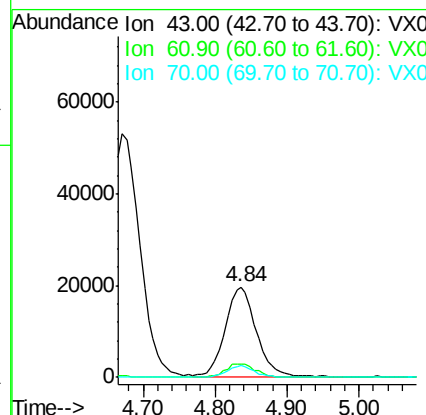
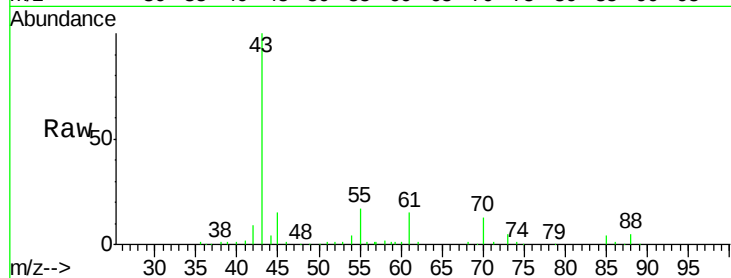
#37
Ethyl Acetate
Concen: 21.390 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Instrument :
MSVOA_X
ClientSampled :
VX0711WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.4	18.6
70	11.8	9.8	14.8

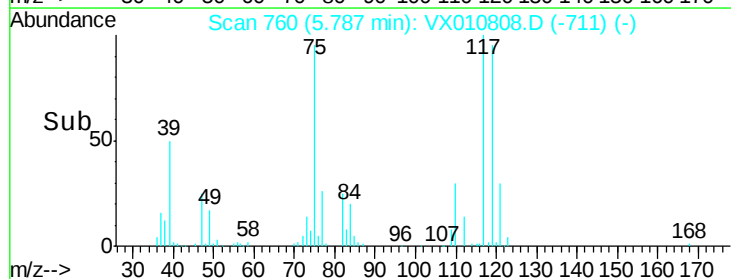
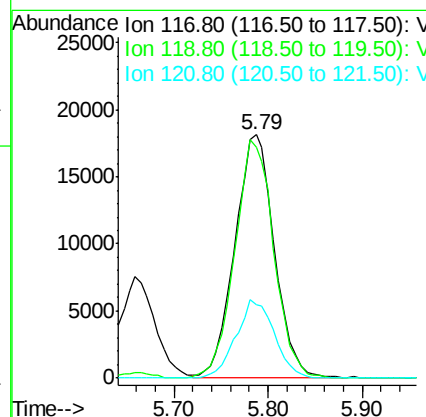
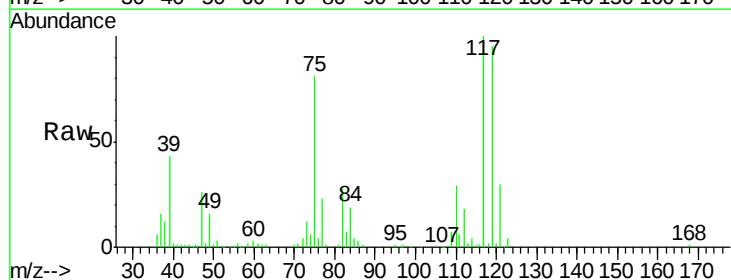
Manual Integrations
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7/12/2019 1:10:32 PM



#38
Carbon Tetrachloride
Concen: 18.596 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	78.2	117.4
121	29.9	24.7	37.1





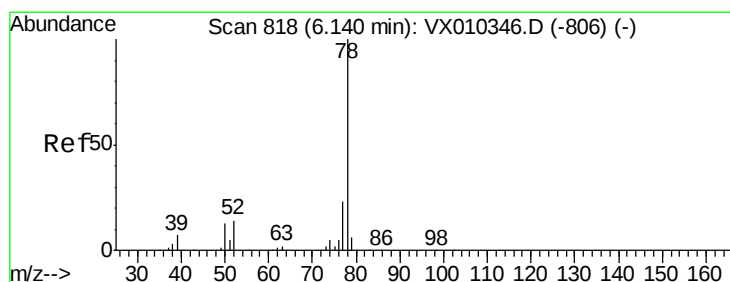
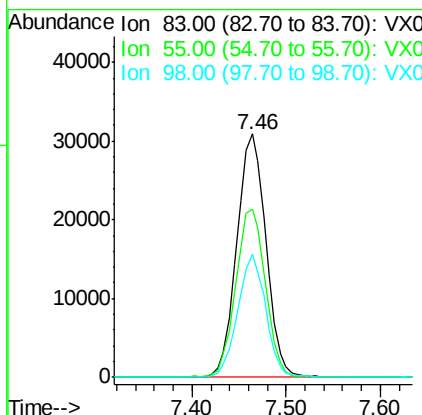
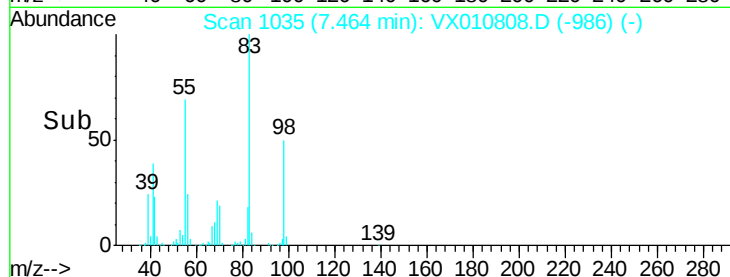
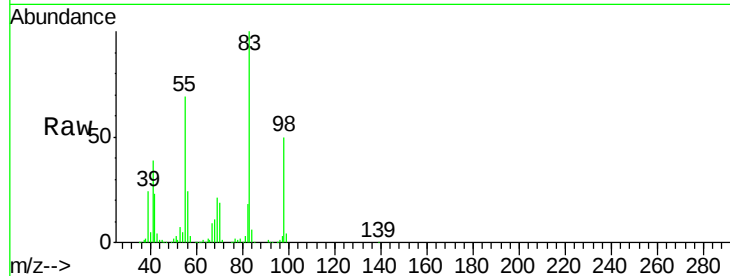
#39
Methvlcvclohexane
Concen: 19.294 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.0	53.0	79.6
98	50.4	37.8	56.8

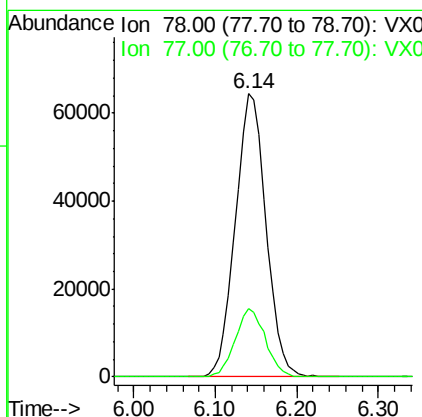
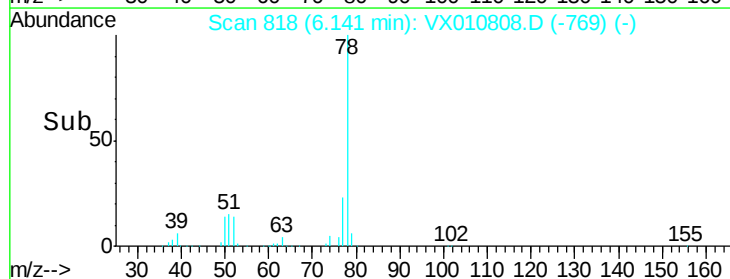
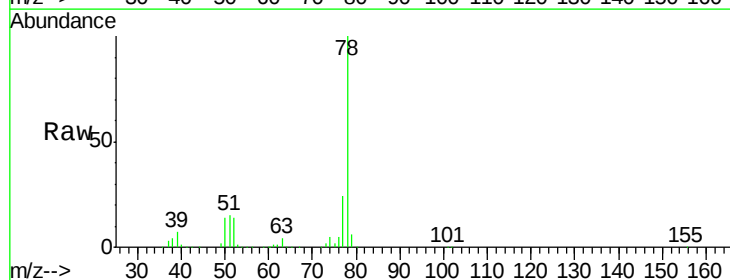
Manual Integrations
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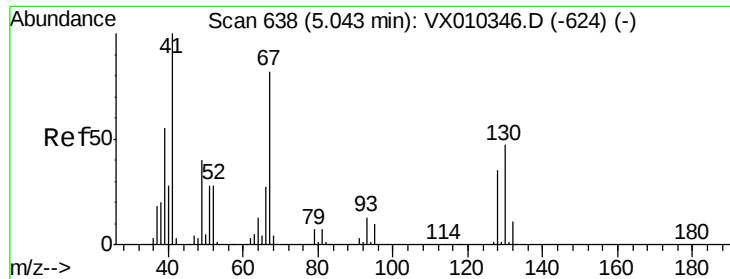
MMDadoda
7/12/2019 1:10:32 PM



#40
Benzene
Concen: 20.374 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.6	28.0





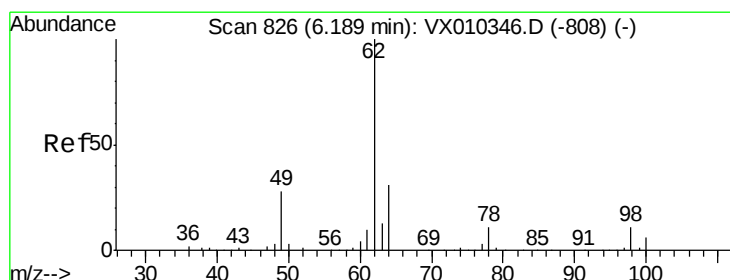
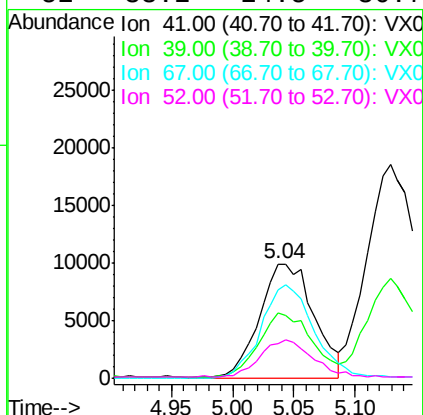
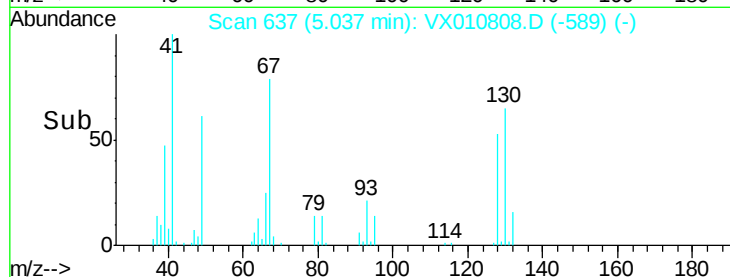
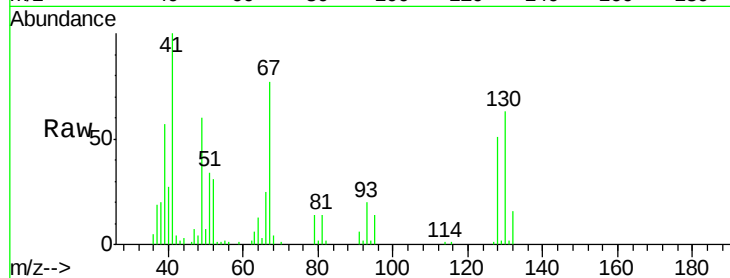
#41
Methacrylonitrile
Concen: 20.678 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Instrument :
MSVOA_X
ClientSampleID :
VX0711WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	43.8	65.8	
67	80.0	66.6	100.0	
52	33.2	24.5	36.7	

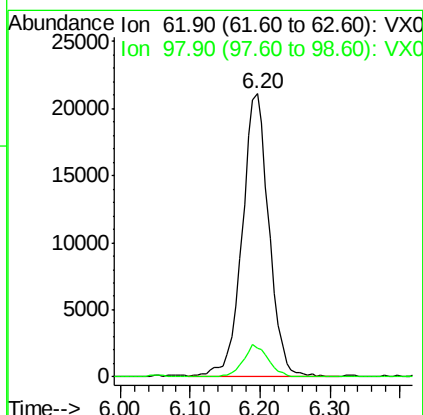
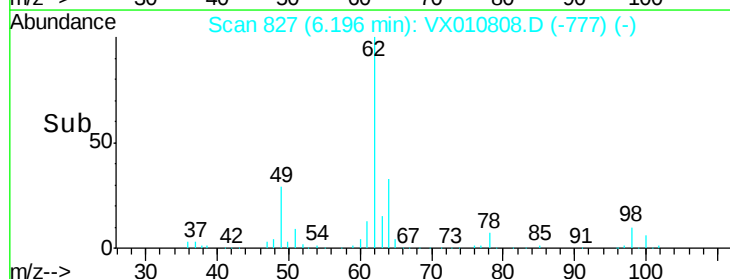
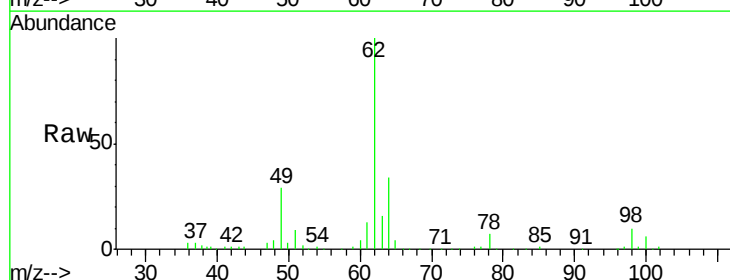
Manual Integrations
APPROVED

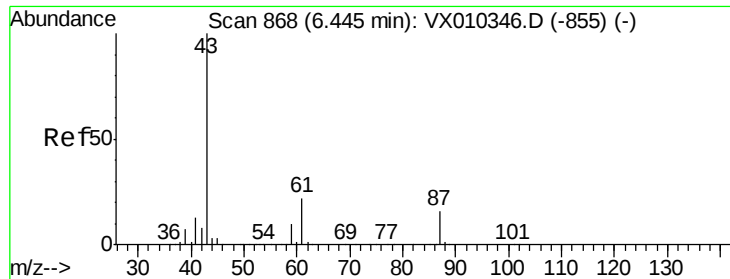
MMDadoda
7/12/2019 1:10:32 PM



#42
1,2-Dichloroethane
Concen: 22.427 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	22.2	





#43

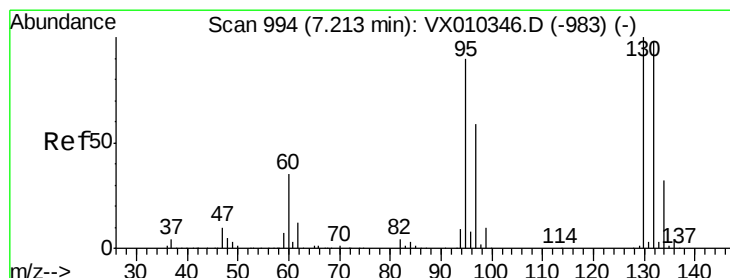
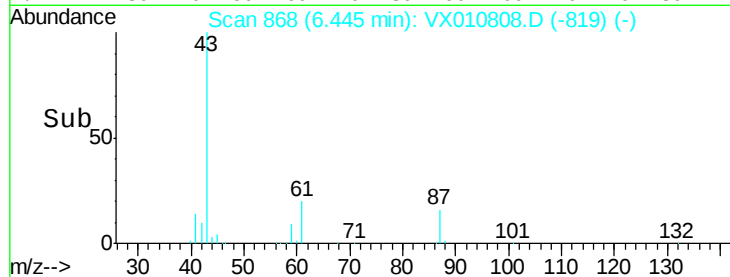
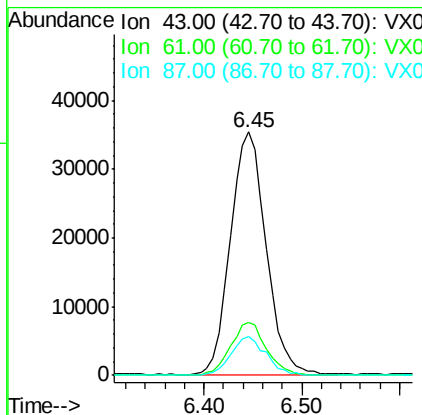
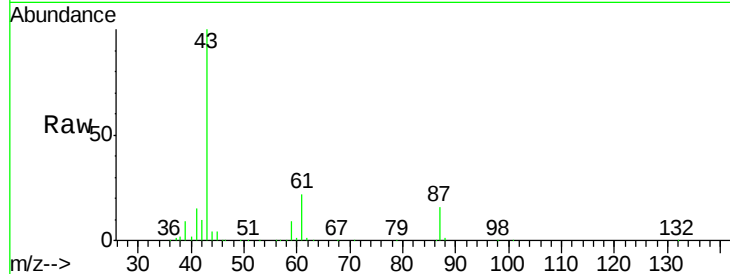
Isopropyl Acetate
 Concen: 19.969 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.8	26.6
87	15.7	13.0	19.4

Manual Integrations
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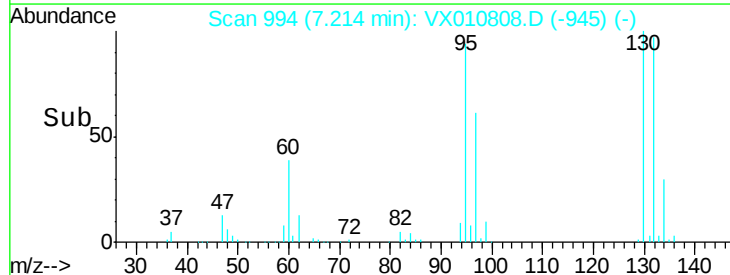
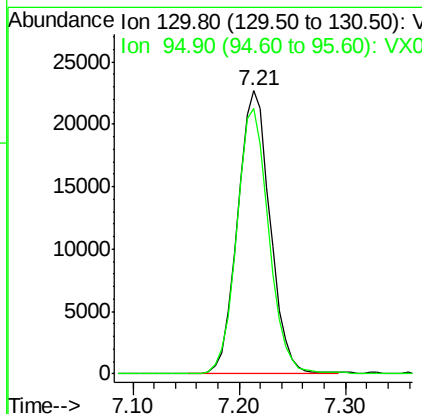
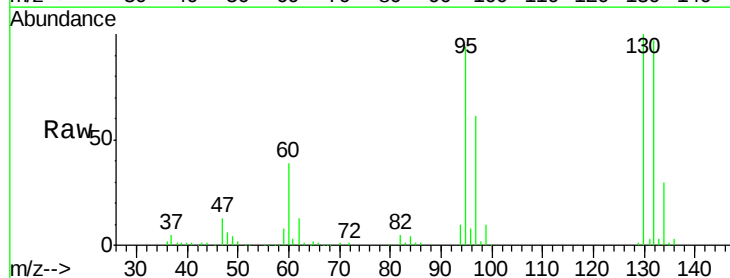
MMDadoda
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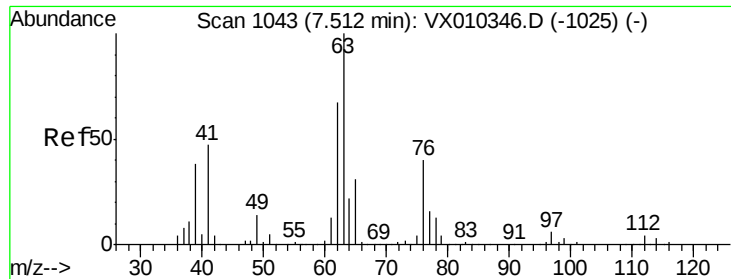


#44

Trichloroethene
 Concen: 19.812 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	180.8





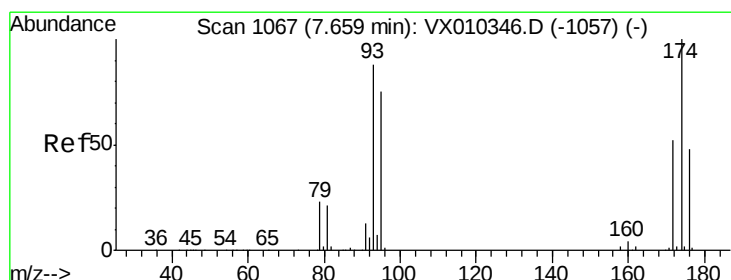
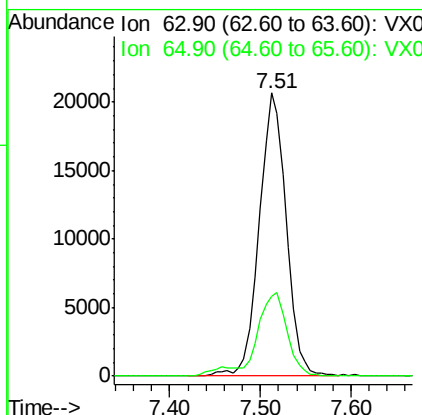
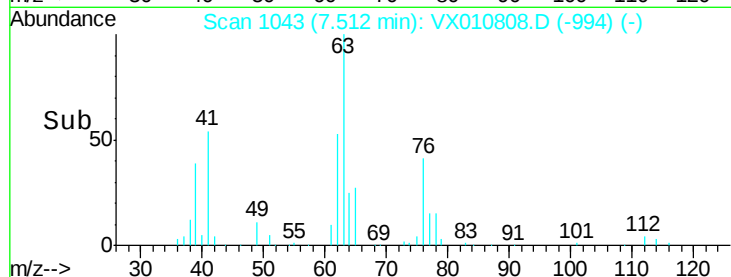
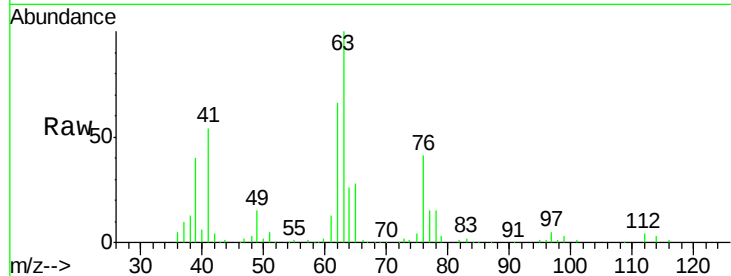
#45
 1,2-Dichloropropane
 Concen: 20.510 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD02

Tot Ion: 63 Resp: 42594
 Ion Ratio Lower Upper
 63 100
 65 28.1 24.8 37.2

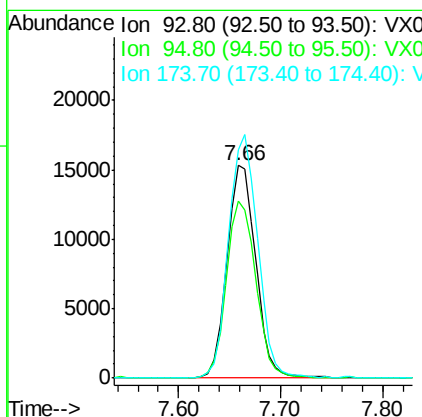
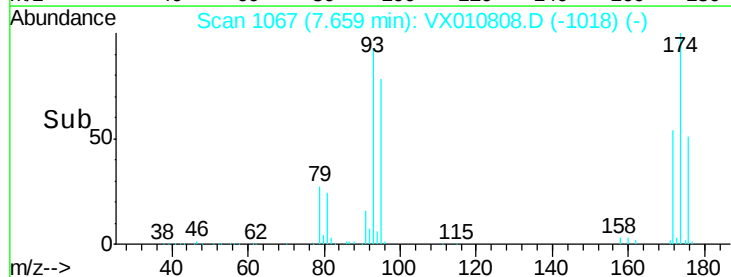
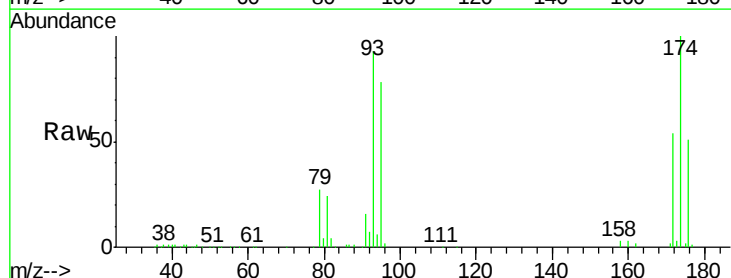
Manual Integrations
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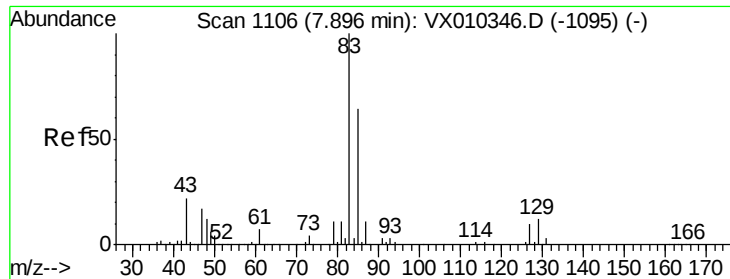
MMDadoda
 7/12/2019 1:10:32 PM



#46
 Dibromomethane
 Concen: 20.079 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Tgt Ion: 93 Resp: 29919
 Ion Ratio Lower Upper
 93 100
 95 85.3 67.5 101.3
 174 116.2 95.8 143.6





#47

Bromodichloromethane

Concen: 18.553 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

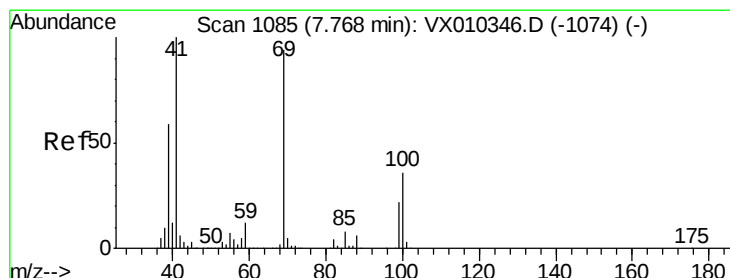
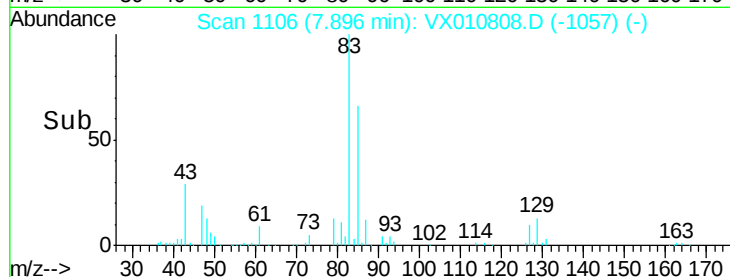
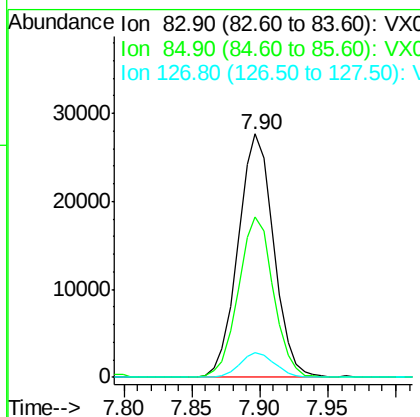
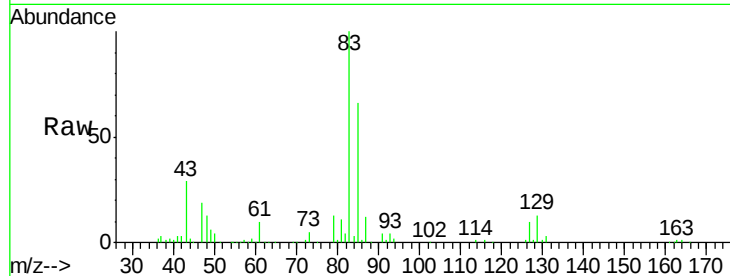
ClientSampleId :

VX0711WBSD02

Tot Ion:	83	Resp:	50662
Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.5	77.3
127	10.1	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.724 ug/l

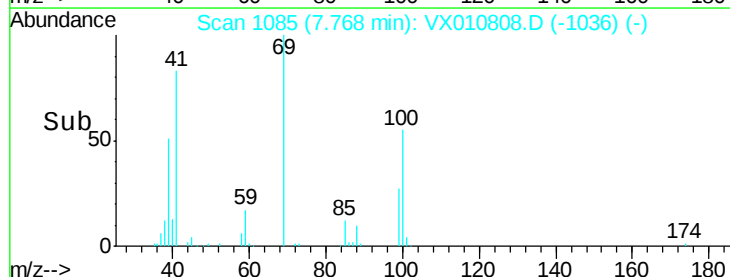
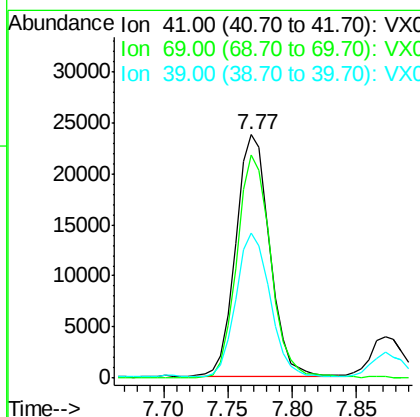
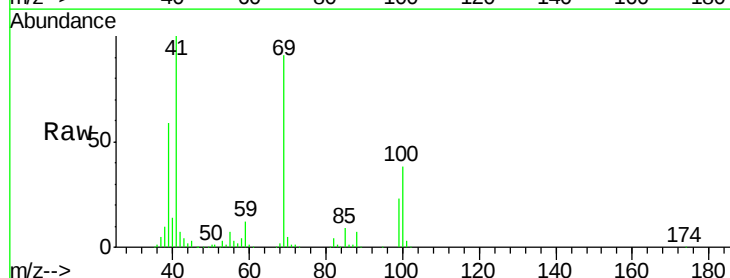
RT: 7.77 min Scan# 1085

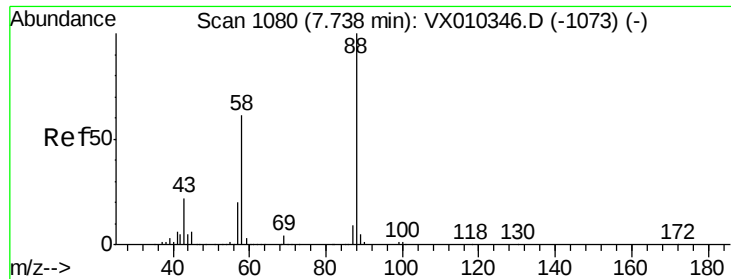
Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Tgt Ion:	41	Resp:	43279
Ion	Ratio	Lower	Upper
41	100		
69	92.1	76.1	114.1
39	59.2	47.6	71.4





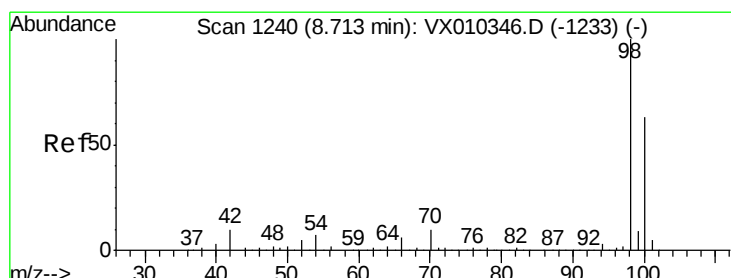
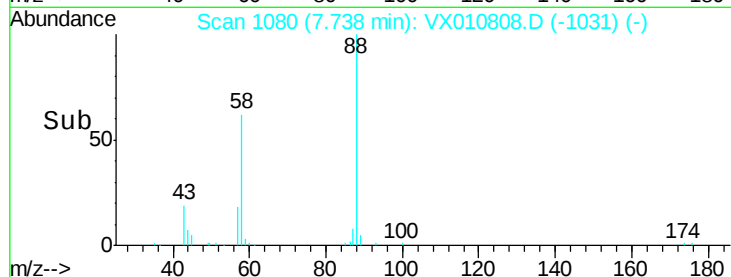
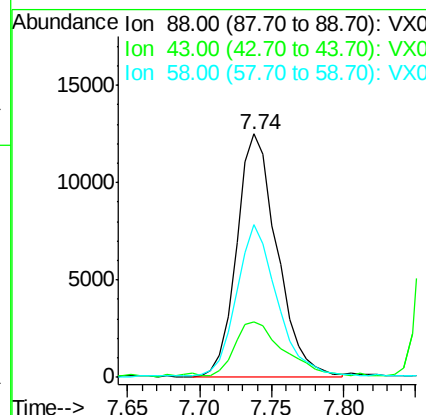
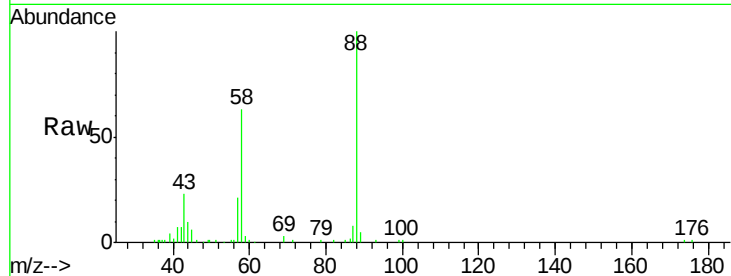
#49
1,4-Dioxane
Concen: 407.424 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.9	20.2	30.2
58	65.1	49.5	74.3

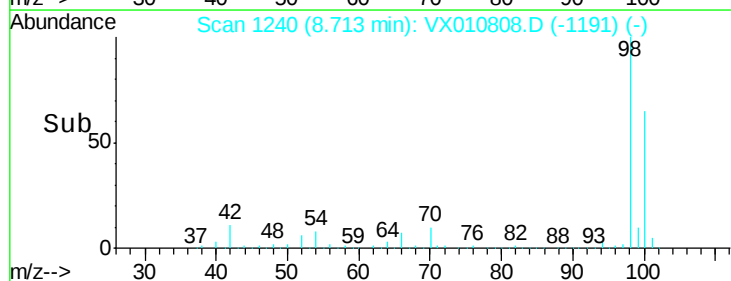
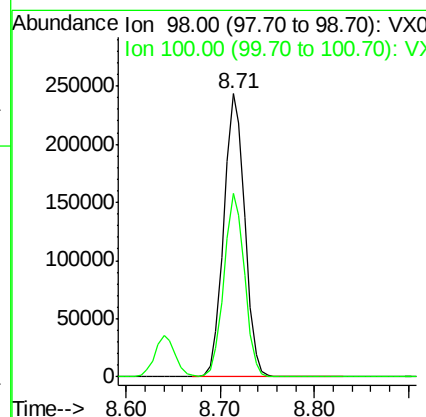
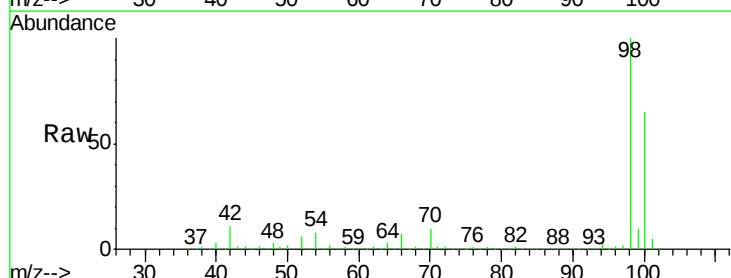
Manual Integrations
APPROVED

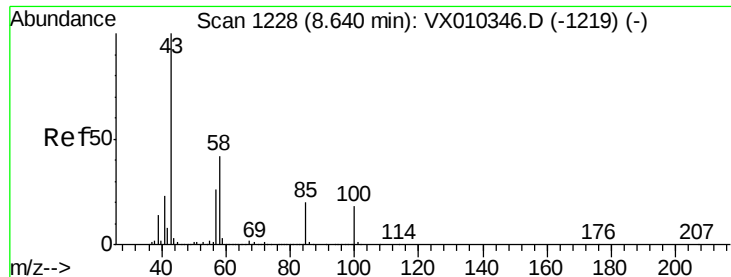
MMDadoda
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#50
Toluene-d8
Concen: 48.295 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 107.097 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD02

Tot Ion: 43 Resp: 307746

Ion Ratio Lower Upper

43 100

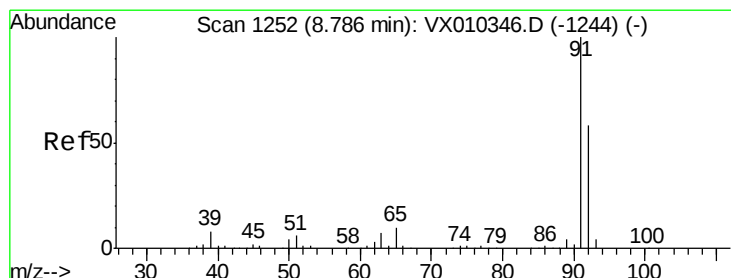
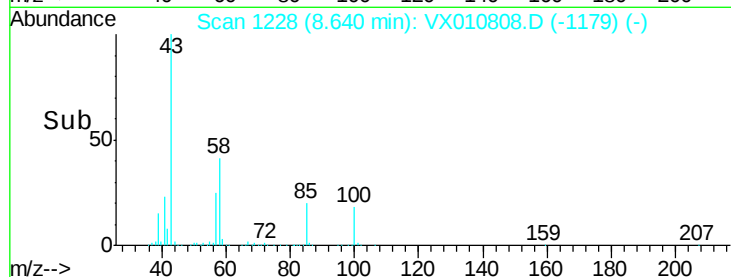
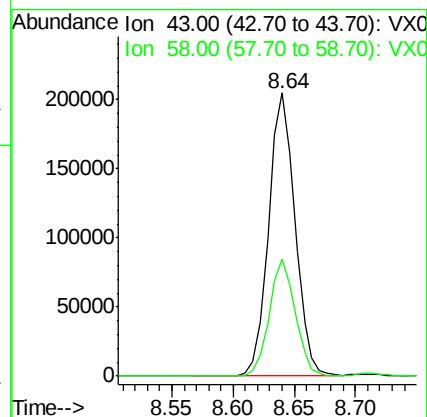
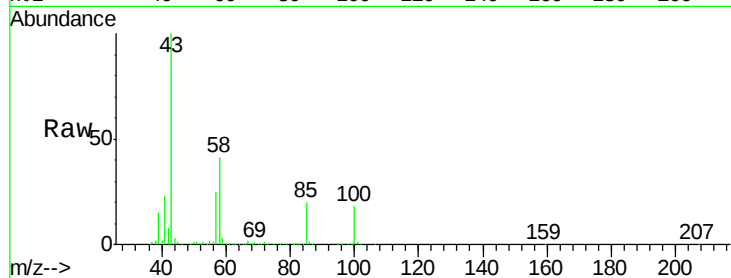
58 40.6 33.5 50.3

Manual Integrations

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#52

Toluene

Concen: 20.018 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010808.D

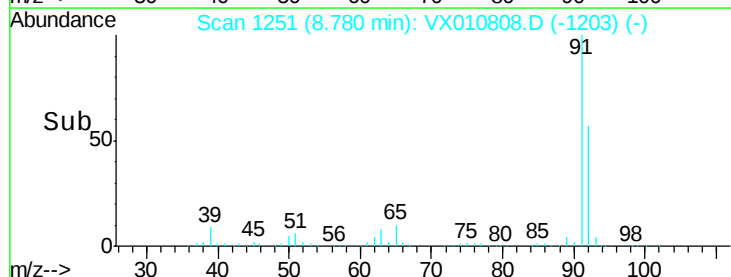
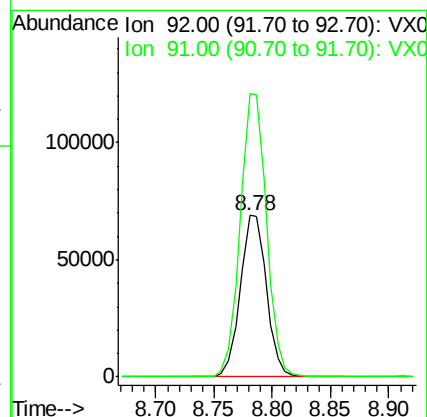
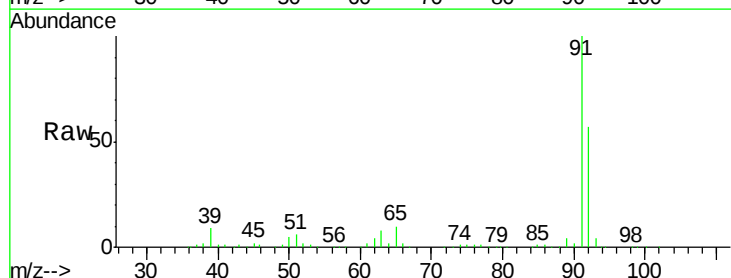
Acq: 11 Jul 2019 15:37

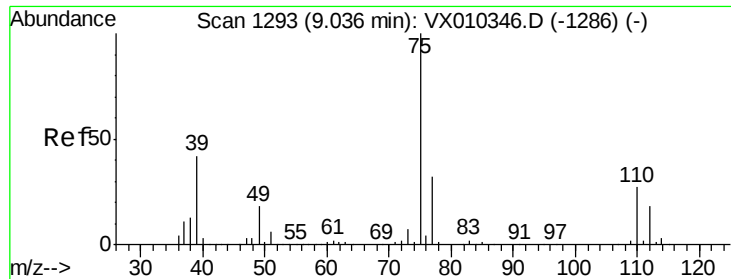
Tgt Ion: 92 Resp: 108414

Ion Ratio Lower Upper

92 100

91 176.5 139.8 209.6





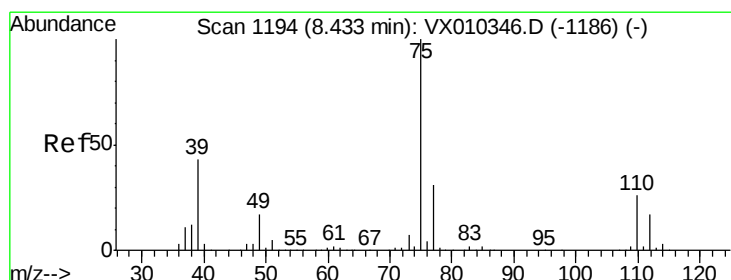
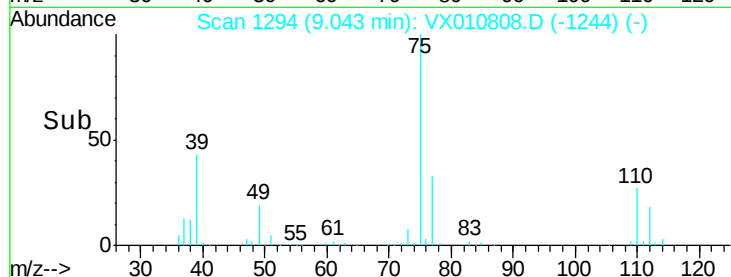
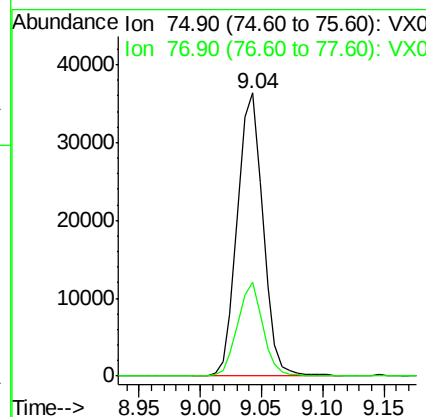
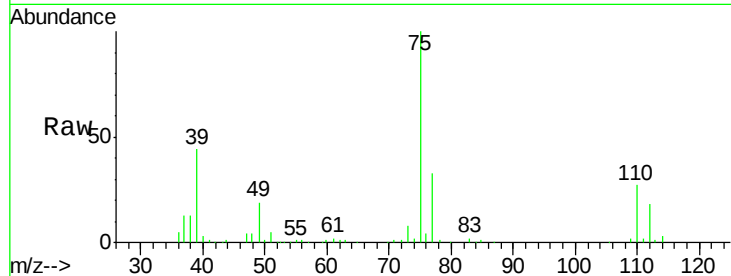
#53
 t-1,3-Dichloropropene
 Concen: 17.257 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD02

Tot Ion: 75 Resp: 52833
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.4 38.2

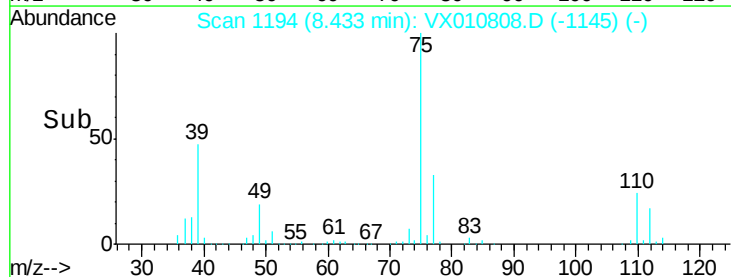
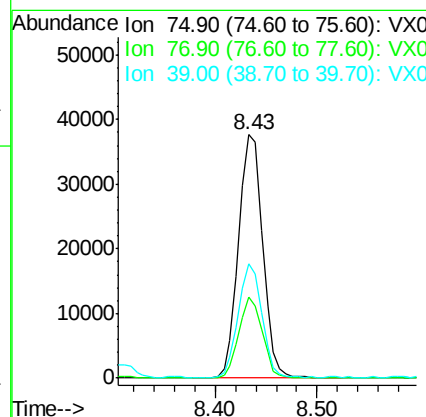
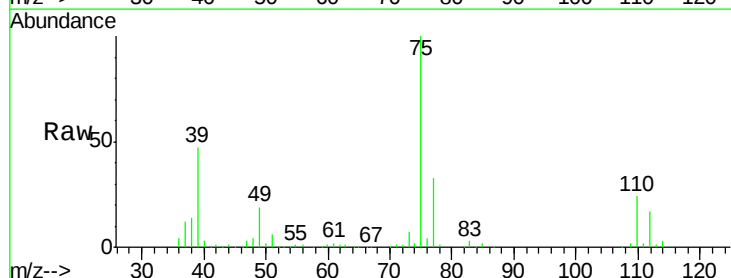
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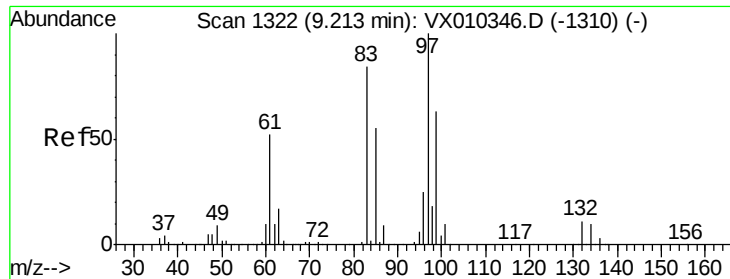
MMDadoda
 7/12/2019 1:10:32 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.543 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Tgt Ion: 75 Resp: 61692
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.2 37.8
 39 46.9 34.5 51.7





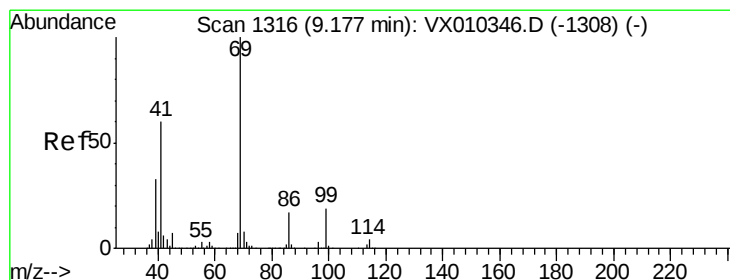
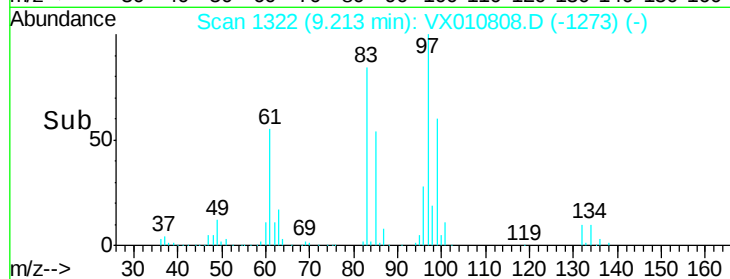
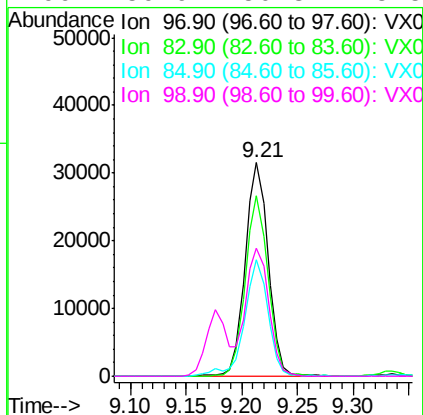
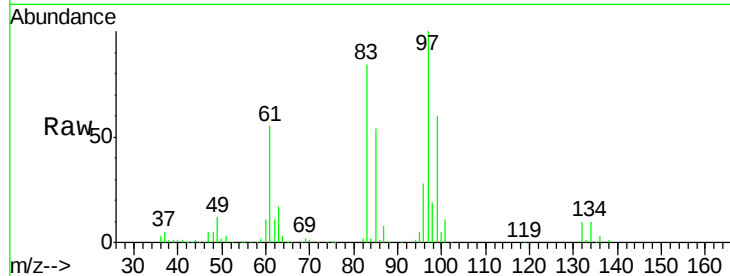
#55
 1,1,2-Trichloroethane
 Concen: 20.323 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD02

Tot Ion:	97	Resp:	45392
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.4	101.0
85	54.4	43.8	65.8
99	59.9	50.3	75.5

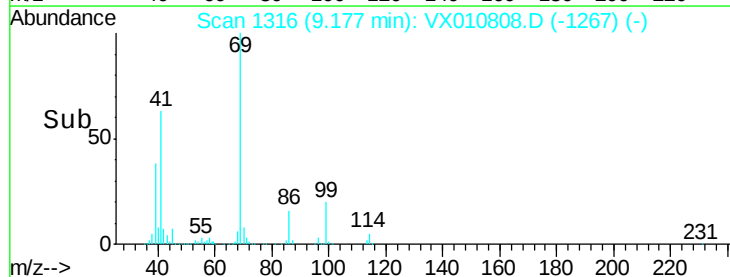
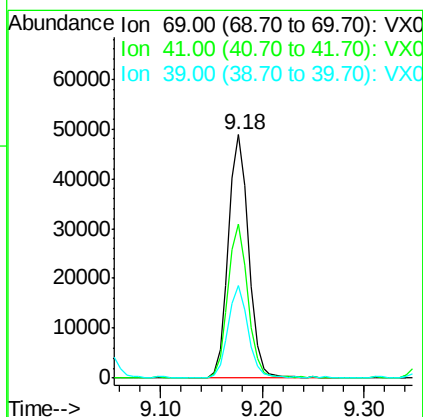
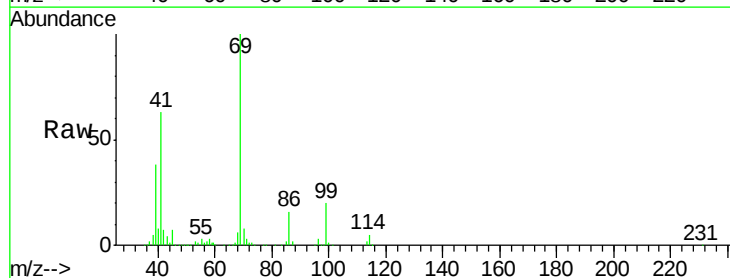
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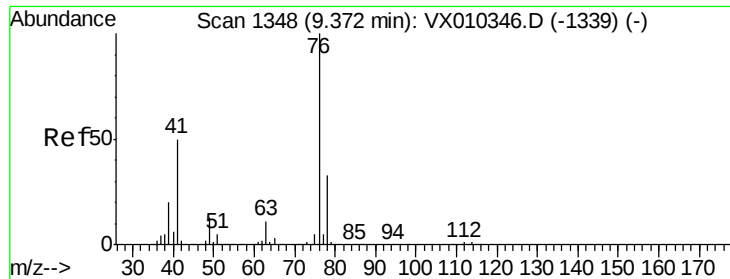
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 7/12/2019 1:10:32 PM



#56
 Ethyl methacrylate
 Concen: 19.838 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Tgt Ion:	69	Resp:	67122
Ion	Ratio	Lower	Upper
69	100		
41	61.6	47.1	70.7
39	36.8	26.6	40.0





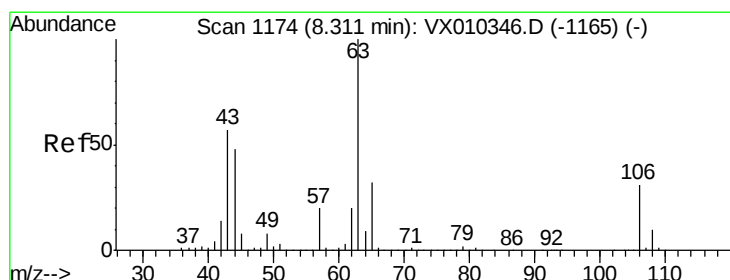
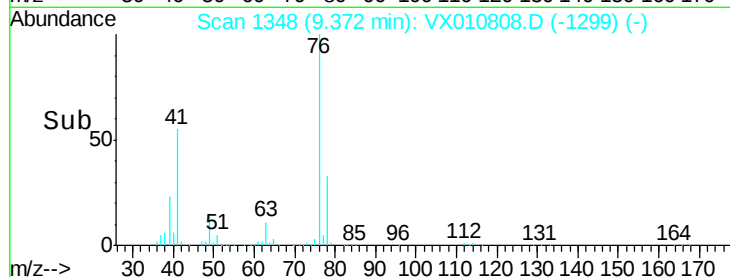
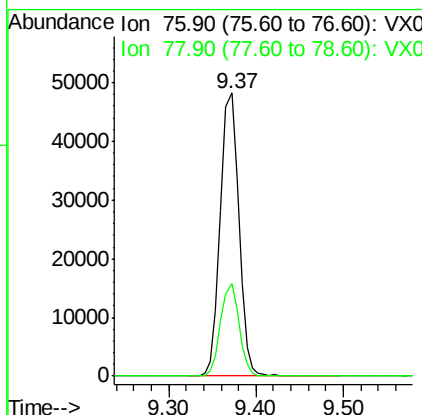
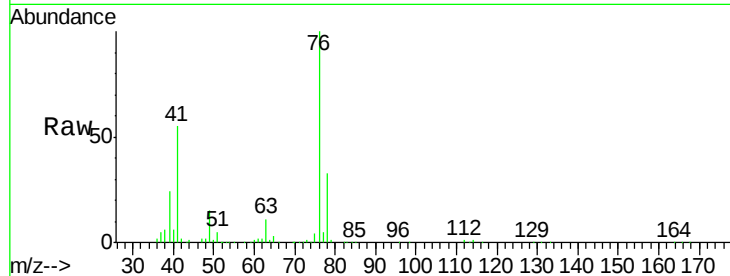
#57
 1,3-Dichloropropane
 Concen: 20.555 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD02

Tot Ion: 76 Resp: 71266
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1

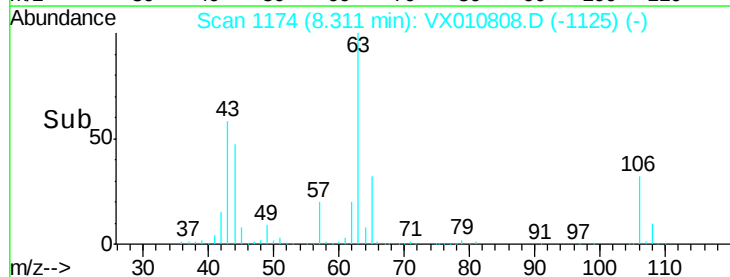
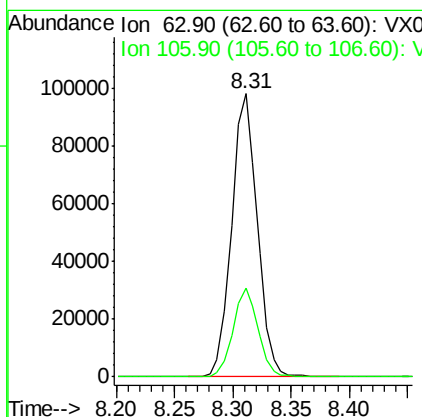
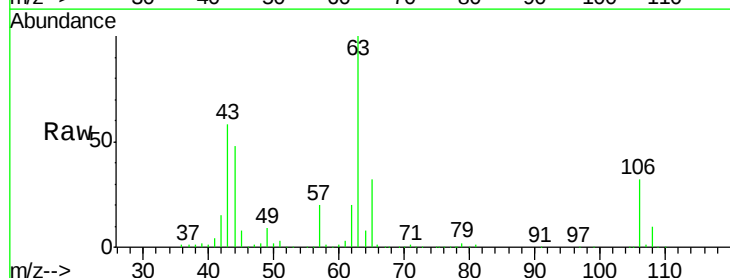
Manual Integrations
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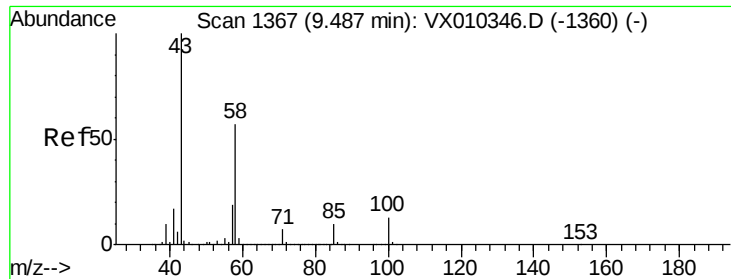
MMDadoda
 7/12/2019 1:10:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.039 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Tgt Ion: 63 Resp: 151116
 Ion Ratio Lower Upper
 63 100
 106 30.7 24.7 37.1





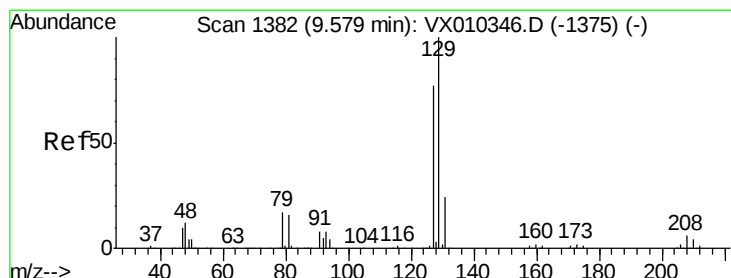
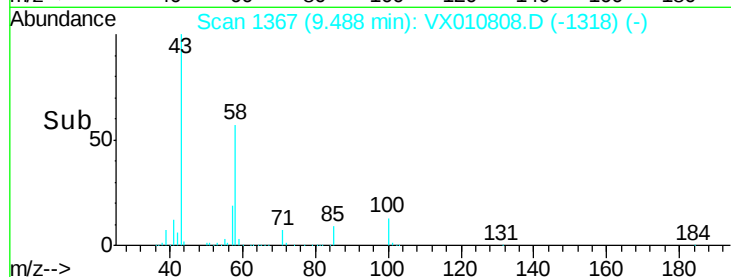
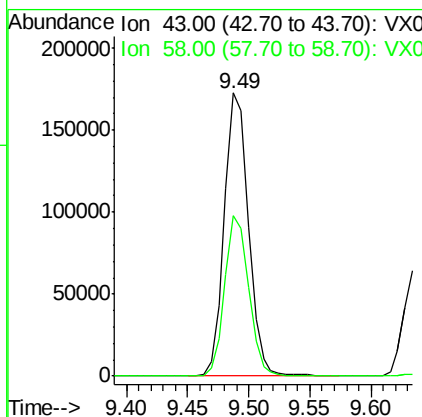
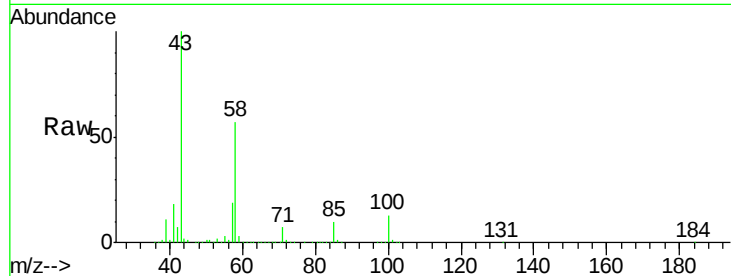
#59
2-Hexanone
Concen: 104.902 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD02

Tot Ion: 43 Resp: 237243
Ion Ratio Lower Upper
43 100
58 56.7 29.0 87.1

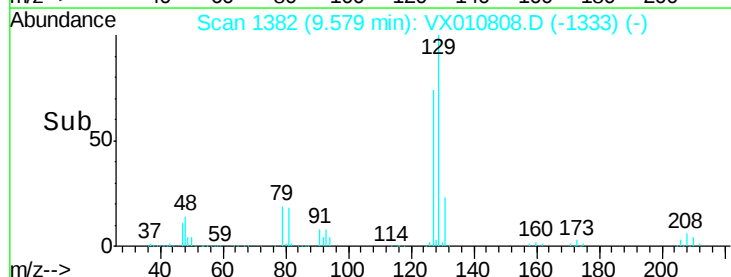
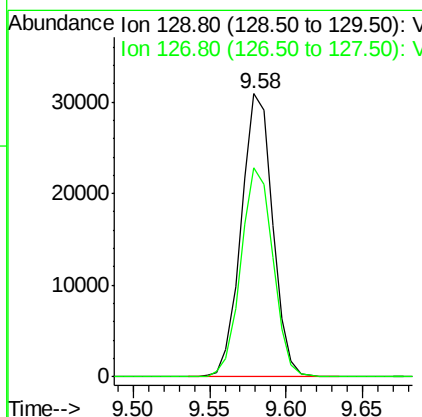
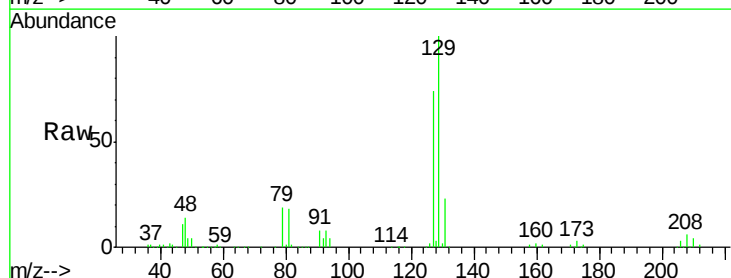
Manual Integrations
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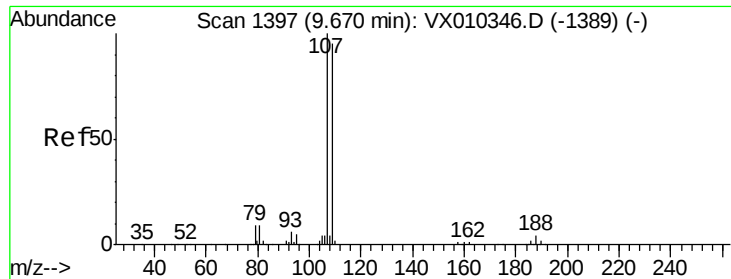
MMDadoda
7/12/2019 1:10:32 PM



#60
Dibromochloromethane
Concen: 17.649 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Tgt Ion: 129 Resp: 44138
Ion Ratio Lower Upper
129 100
127 75.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.588 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD02

Tot Ion: 107 Resp: 47224

Ion Ratio Lower Upper

107 100

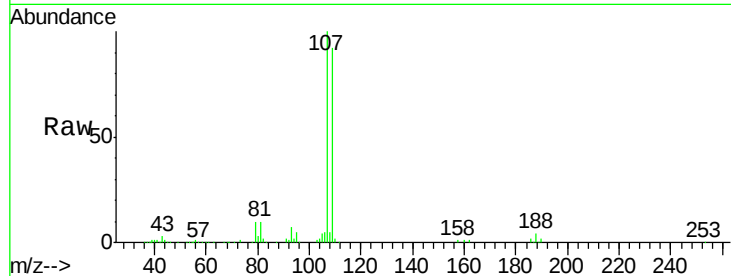
109 96.5 75.8 113.6

Manual Integrations

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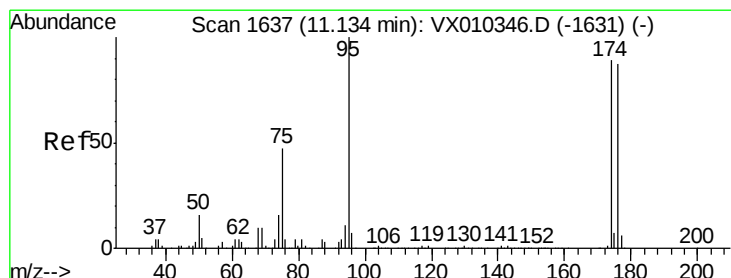
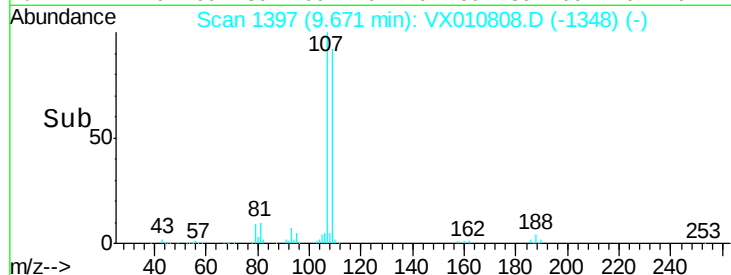
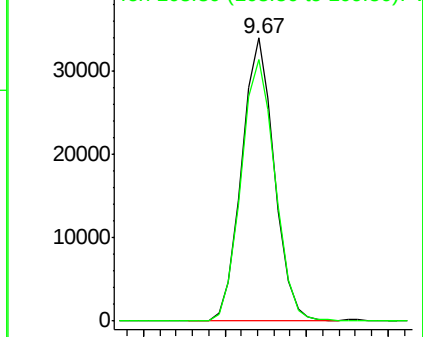
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.321 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

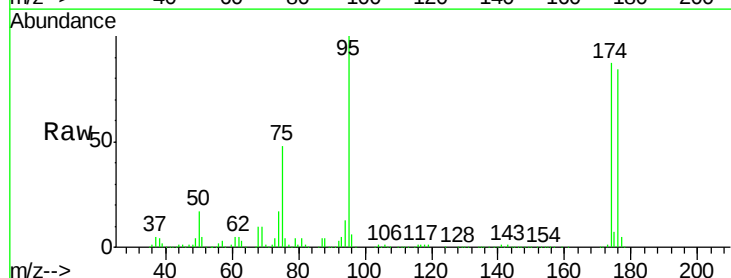
Tgt Ion: 95 Resp: 138454

Ion Ratio Lower Upper

95 100

174 92.3 0.0 187.6

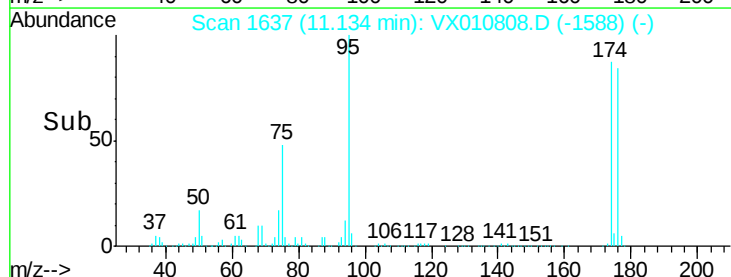
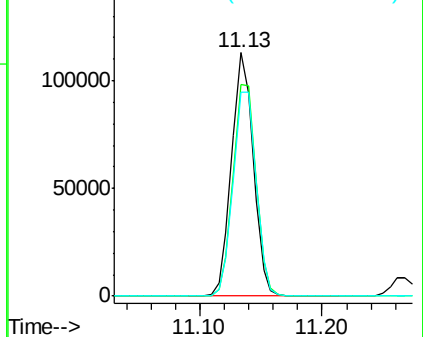
176 89.7 0.0 184.0

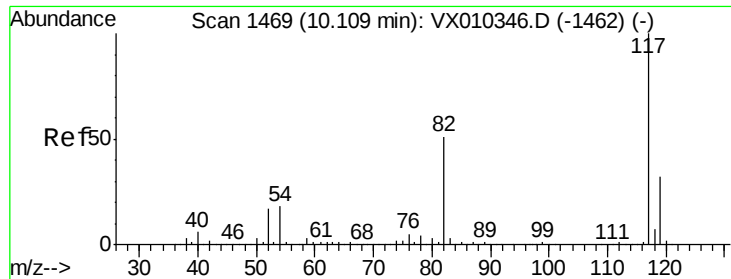


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





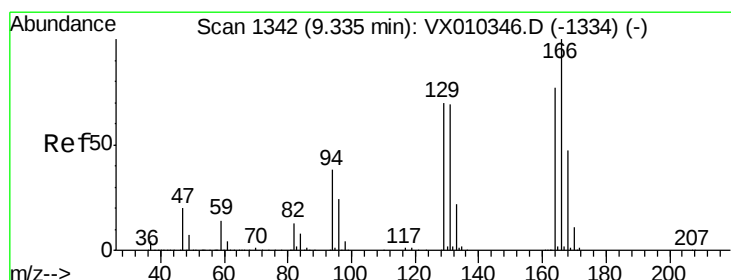
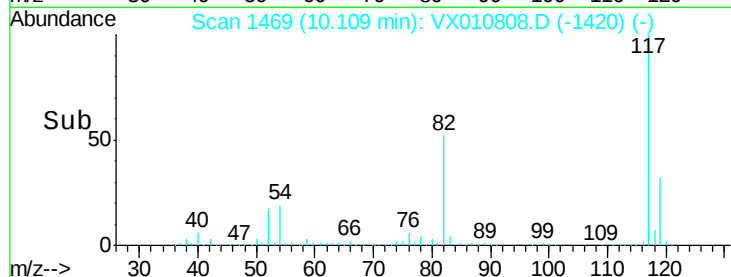
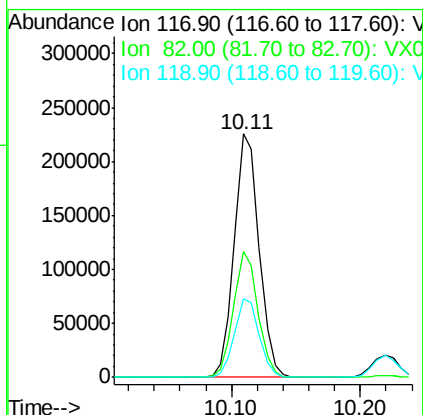
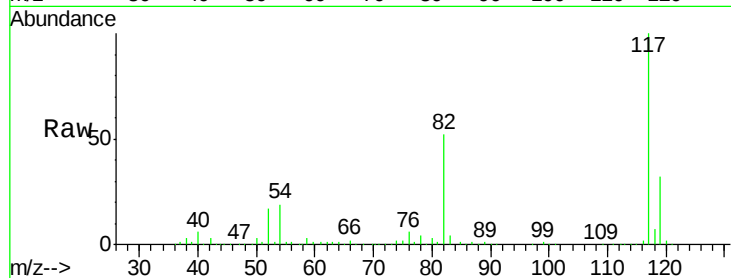
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.2	61.8
119	32.5	25.5	38.3

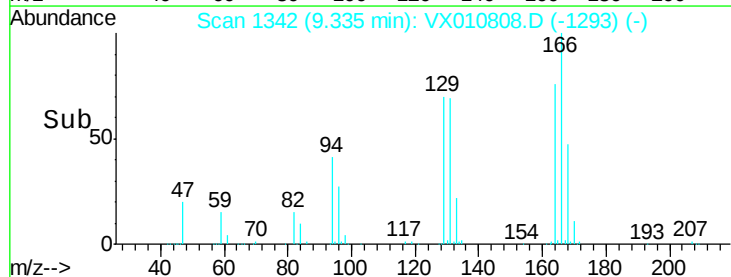
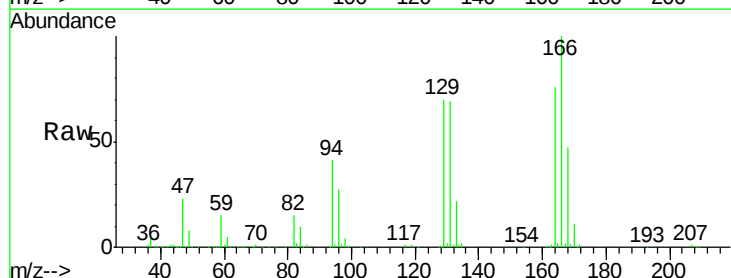
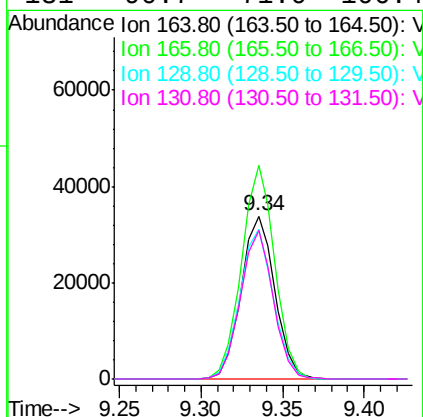
Manual Integrations
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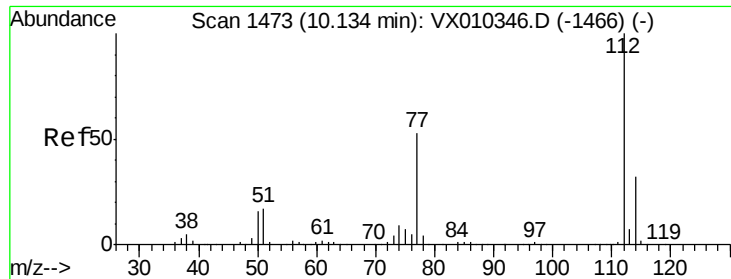
MMDadoda
7/12/2019 1:10:32 PM



#64
Tetrachloroethene
Concen: 19.791 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	103.6	155.4
129	92.1	73.0	109.4
131	90.7	71.0	106.4





#65

Chlorobenzene

Concen: 19.704 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD02

Tot Ion:112 Resp: 121808

Ion Ratio Lower Upper

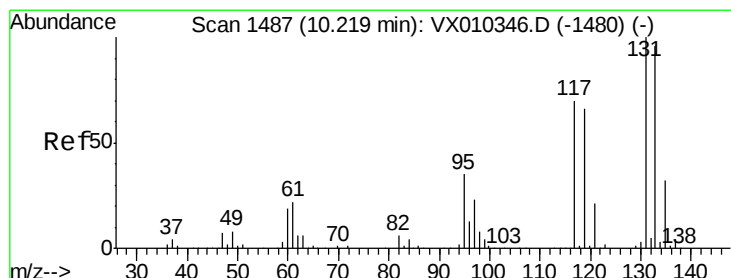
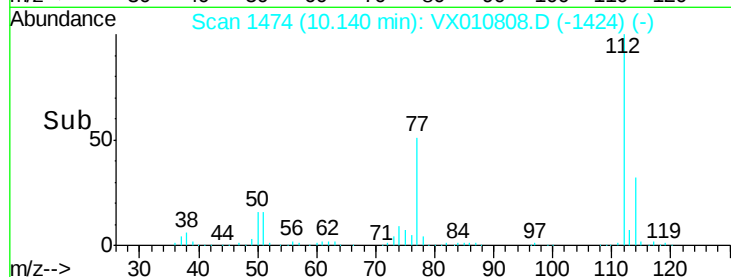
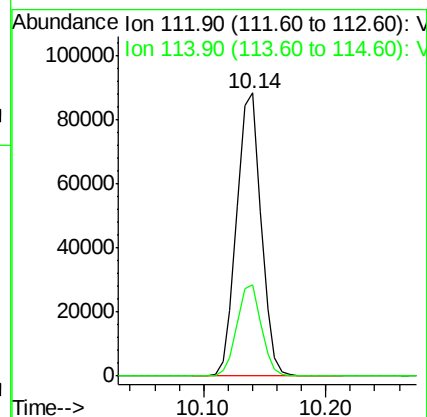
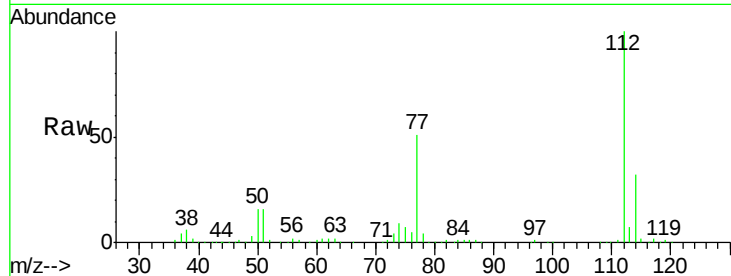
112 100

114 32.1 25.4 38.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 18.603 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

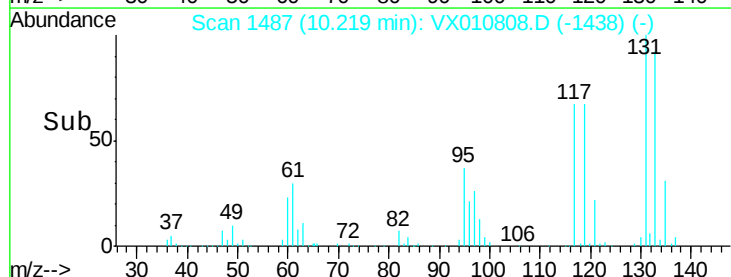
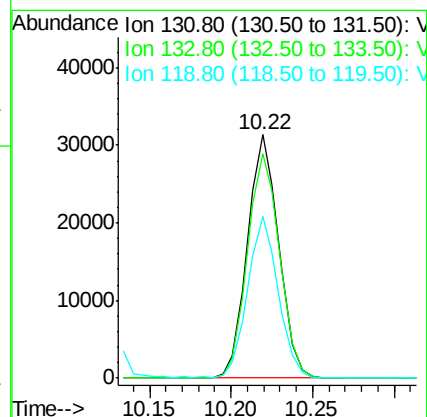
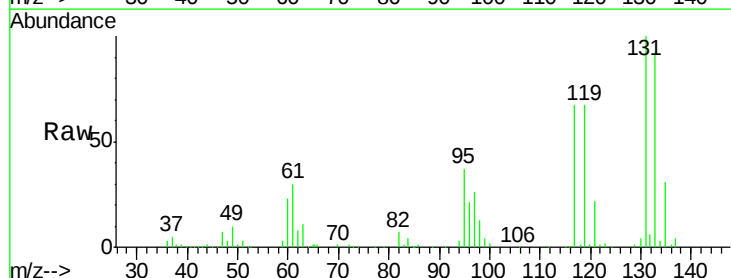
Tgt Ion:131 Resp: 41891

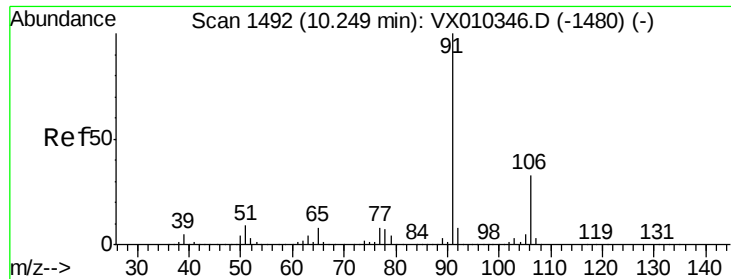
Ion Ratio Lower Upper

131 100

133 94.6 47.7 143.1

119 65.6 32.6 97.7





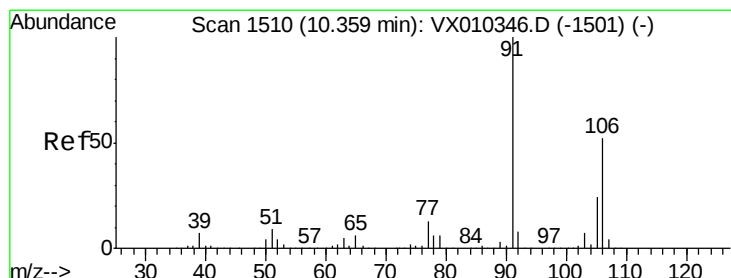
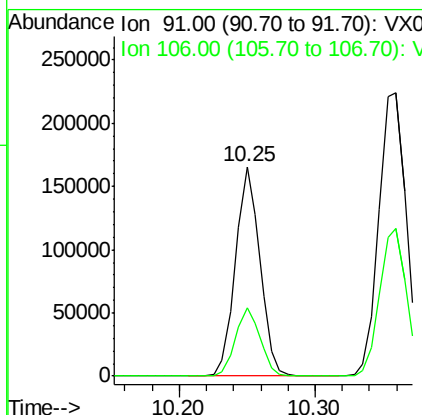
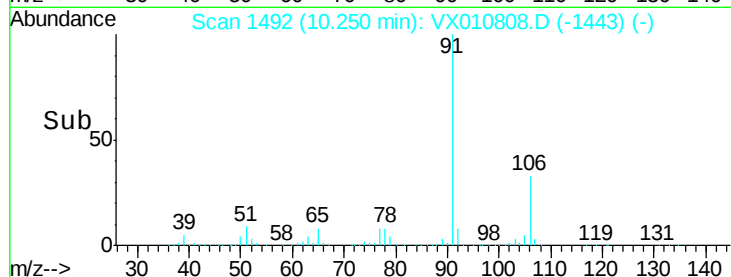
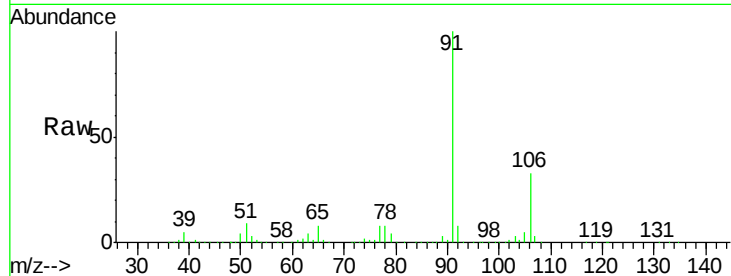
#67
Ethyl Benzene
Concen: 19.866 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD02

Tot Ion: 91 Resp: 207334
Ion Ratio Lower Upper
91 100
106 32.9 26.2 39.2

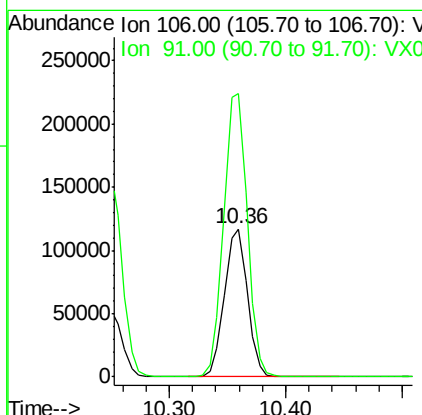
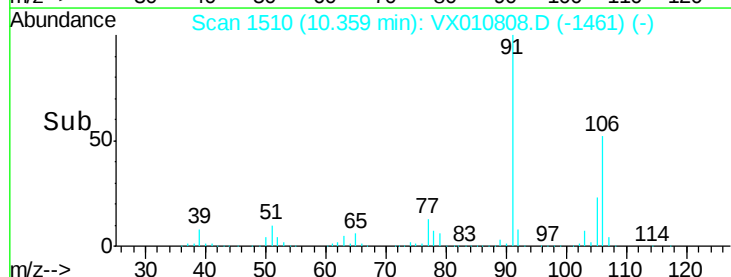
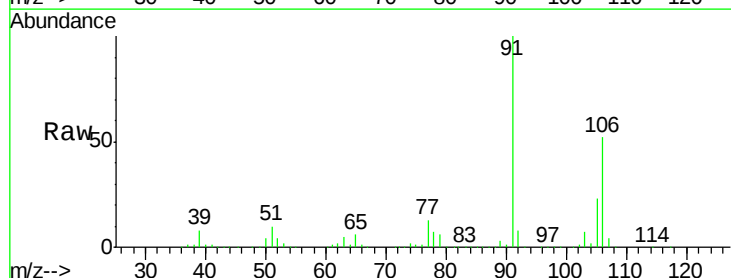
Manual Integrations
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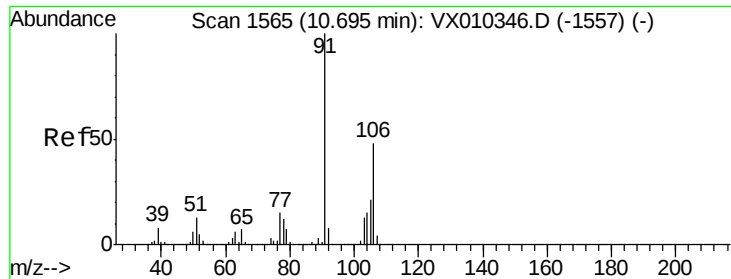
MMDadoda
7/12/2019 1:10:32 PM



#68
m/p-Xylenes
Concen: 39.759 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Tgt Ion: 106 Resp: 160784
Ion Ratio Lower Upper
106 100
91 195.9 155.3 232.9





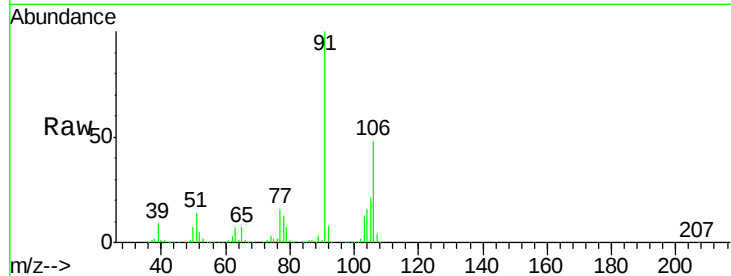
#69
o-Xylene
Concen: 19.827 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD02

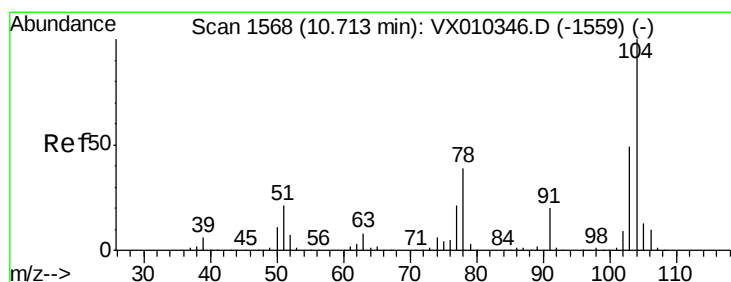
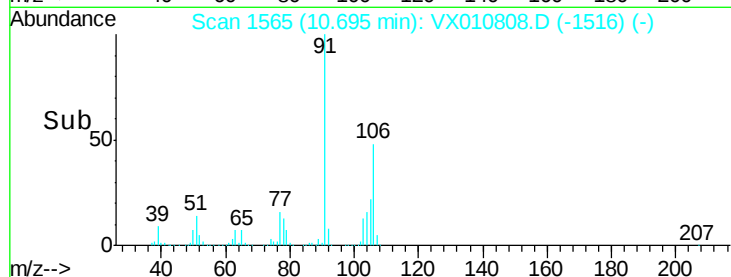
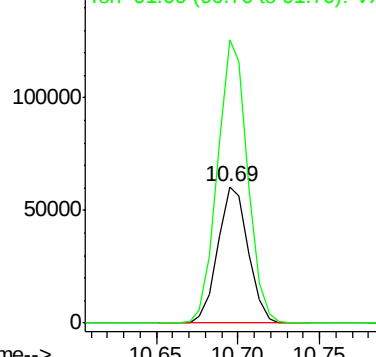
Tot Ion:106 Resp: 78847
Ion Ratio Lower Upper
106 100
91 205.2 102.7 308.1

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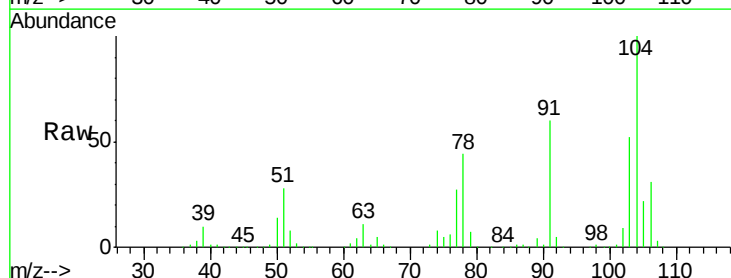


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX

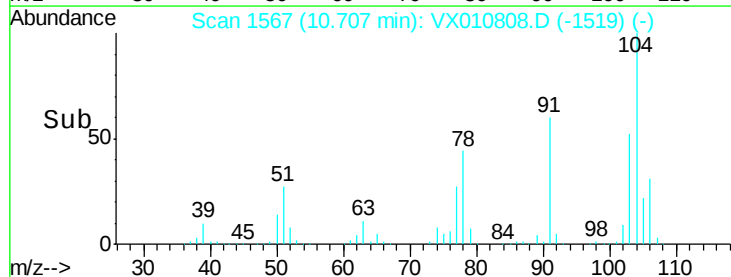
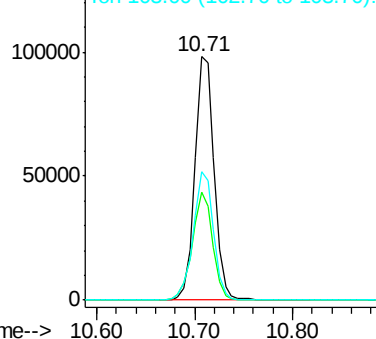


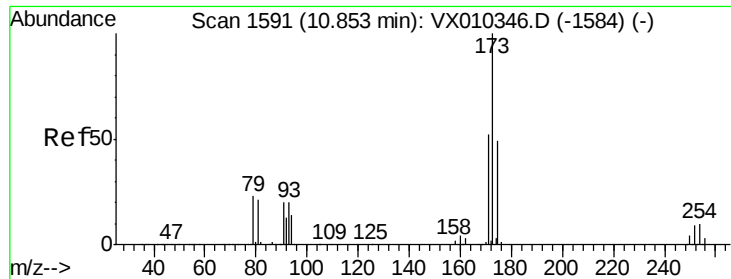
#70
Styrene
Concen: 20.016 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Tgt Ion:104 Resp: 133490
Ion Ratio Lower Upper
104 100
78 47.0 36.2 54.2
103 55.5 44.2 66.4



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





#71

Bromoform

Concen: 15.960 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

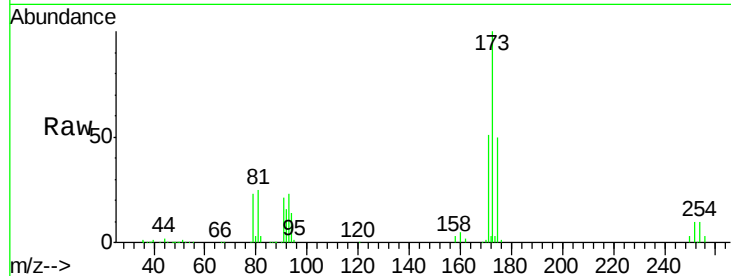
ClientSampleId :

VX0711WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.3
254	0.0	0.2	0.2

Manual Integrations
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7/12/2019 1:10:32 PM

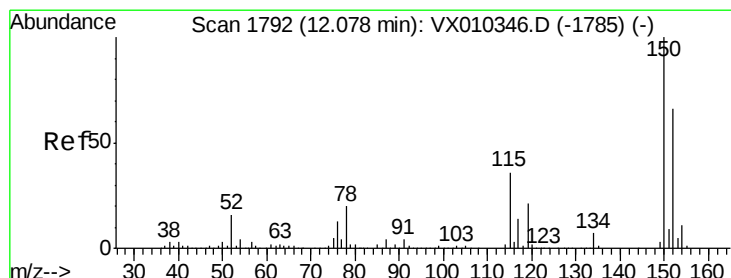
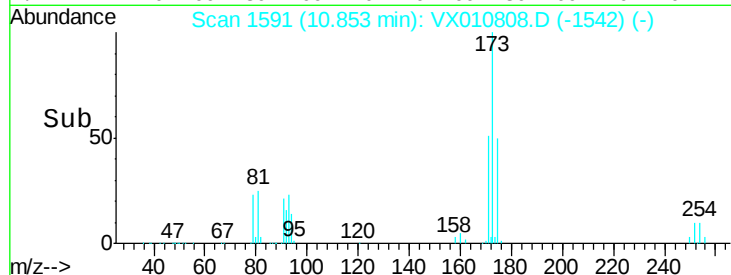
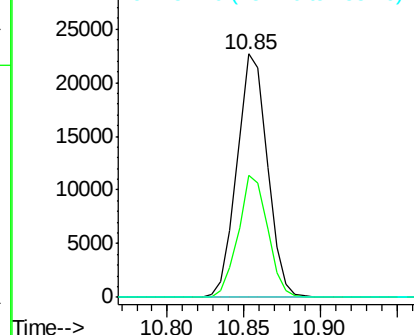


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

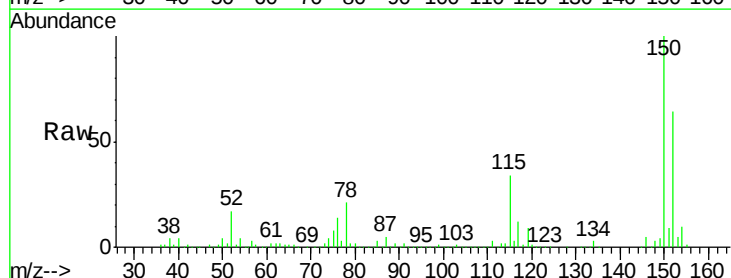
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.2	38.6	115.7
150	163.9	0.0	347.4

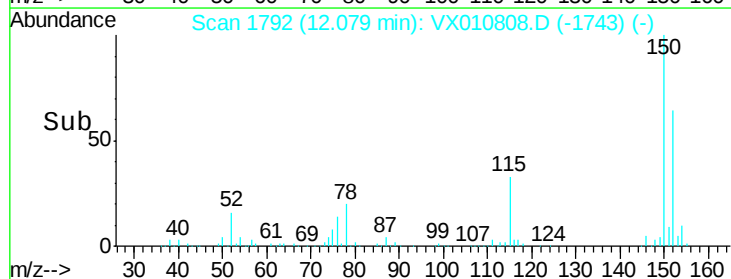
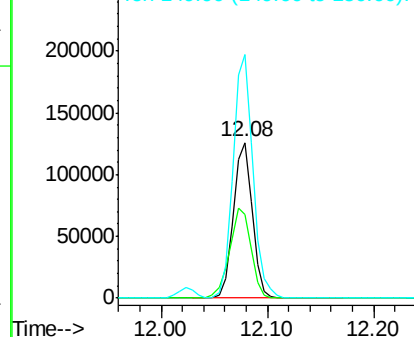


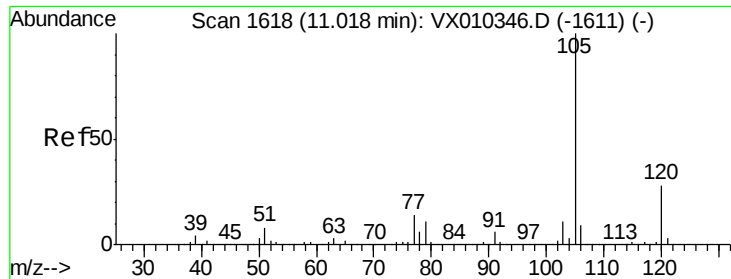
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.719 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD02

Tot Ion: 105 Resp: 209517

Ion Ratio Lower Upper

105 100

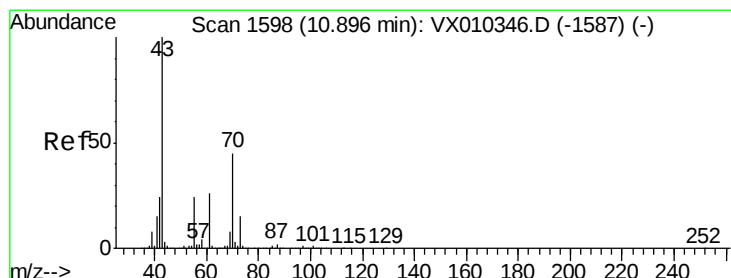
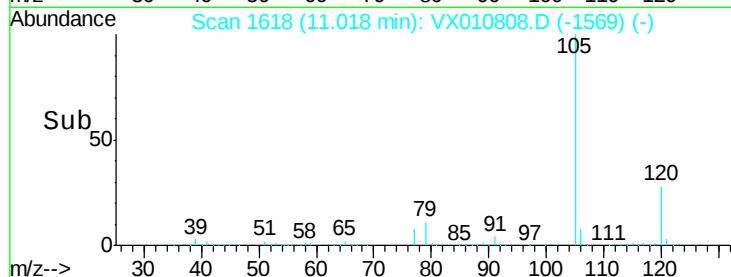
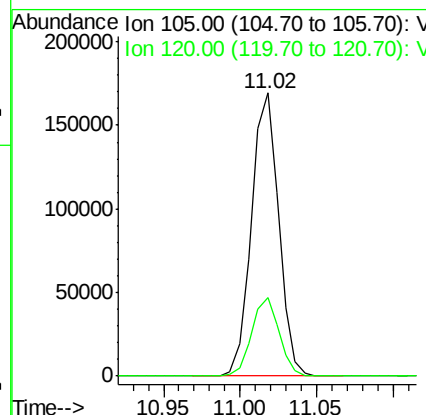
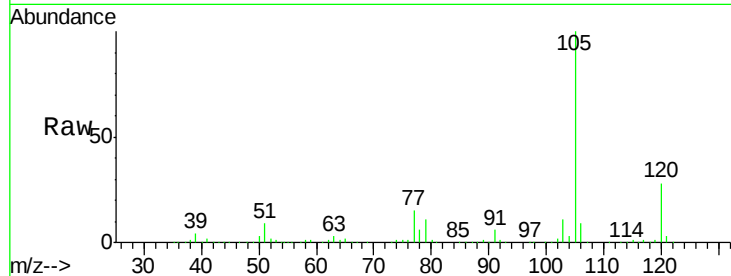
120 27.7 14.1 42.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.950 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Tgt Ion: 43 Resp: 80109

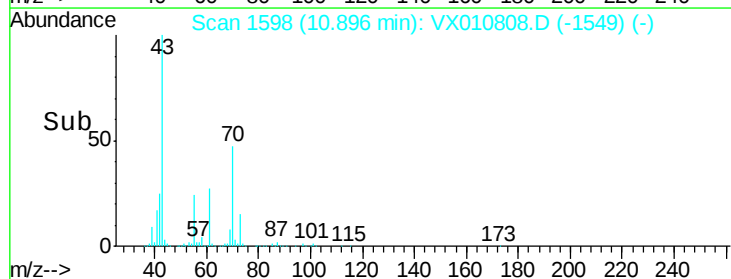
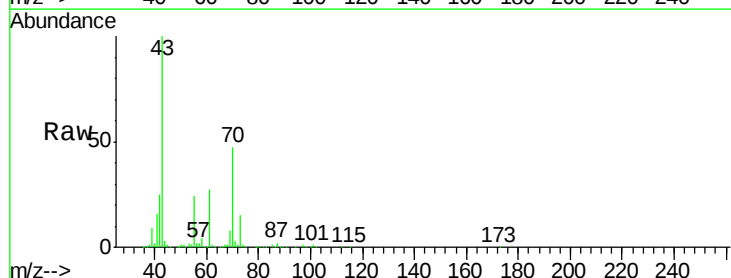
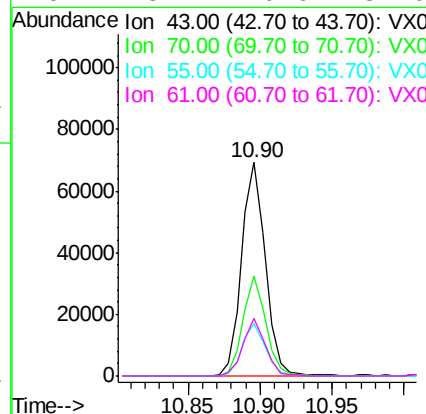
Ion Ratio Lower Upper

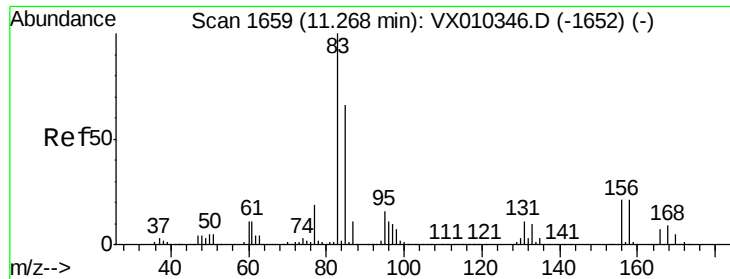
43 100

70 44.9 36.6 54.8

55 24.9 18.7 28.1

61 25.4 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.118 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

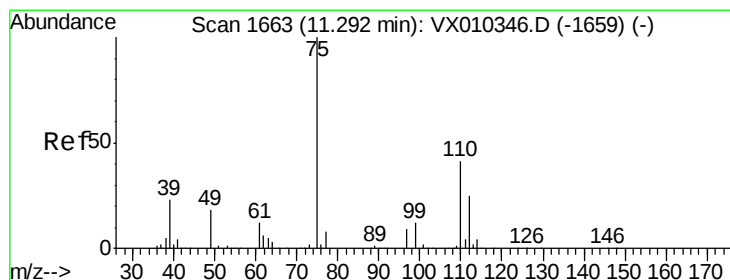
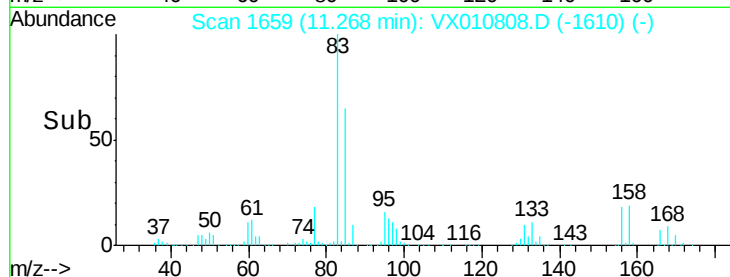
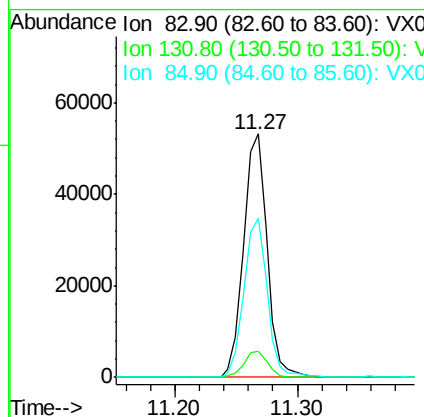
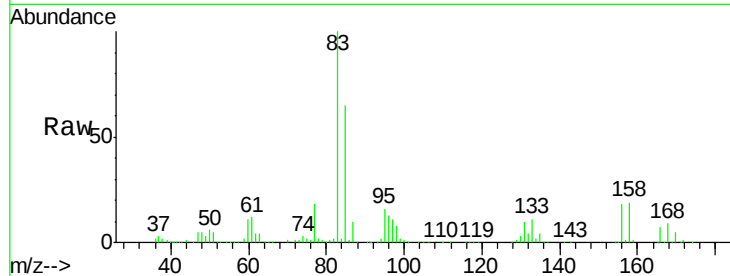
ClientSampled :

VX0711WBSD02

Tot Ion:	83	Resp:	70792
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.4
85	64.8	32.3	96.8

Manual Integrations
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7/12/2019 1:10:32 PM



#76

1,2,3-Trichloropropane

Concen: 19.979 ug/l m

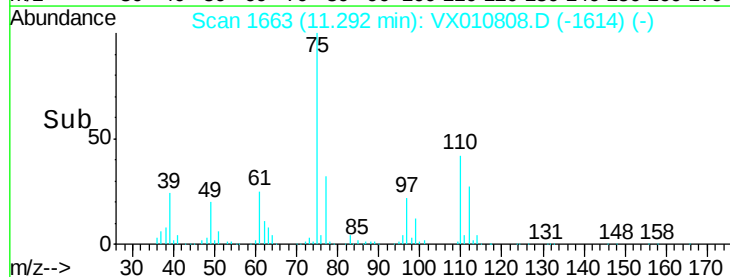
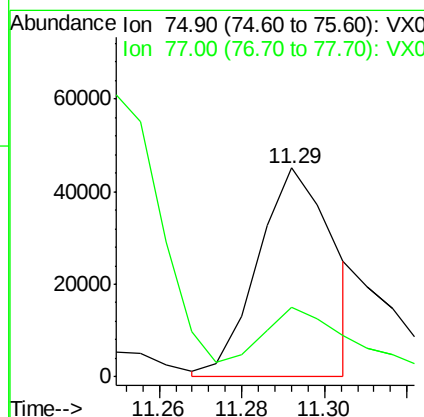
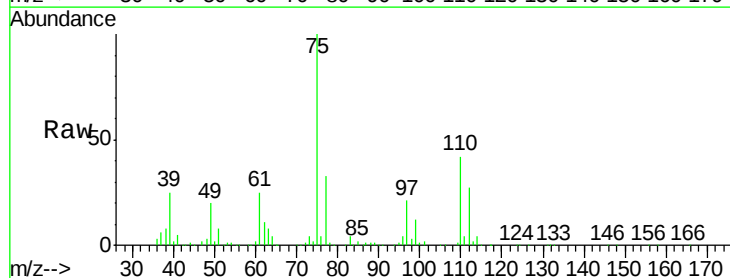
RT: 11.29 min Scan# 1663

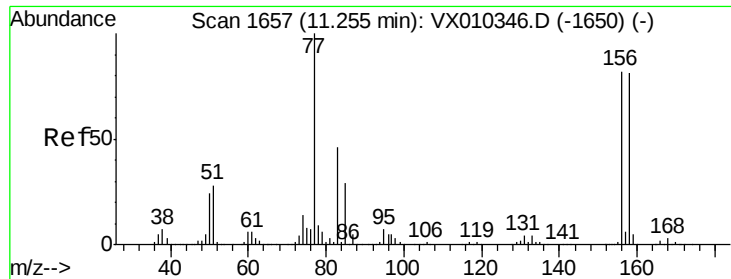
Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Tgt Ion:	75	Resp:	57066
Ion Ratio	Lower	Upper	
75	100		
77	41.9	22.6	67.8





#77

Bromobenzene

Concen: 19.169 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

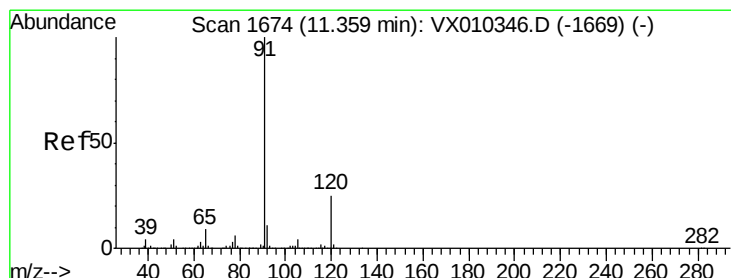
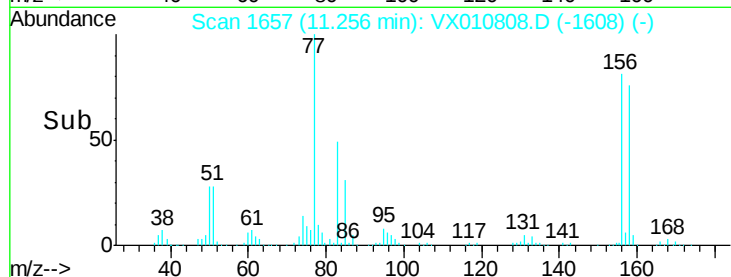
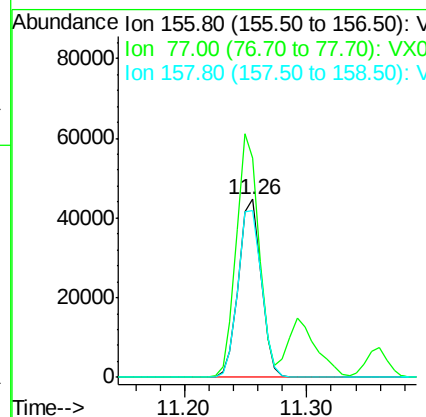
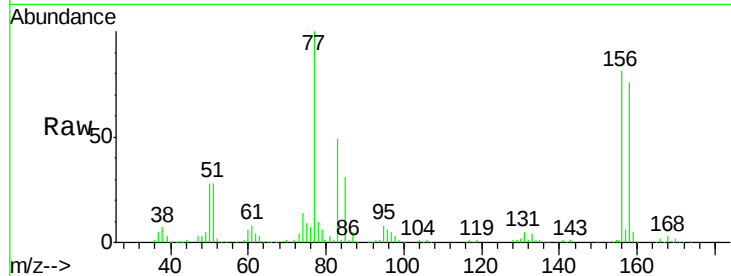
ClientSampleId :

VX0711WBSD02

Tot Ion:	156	Resp:	56871
Ion	Ratio	Lower	Upper
156	100		
77	136.4	66.3	198.7
158	98.4	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 19.859 ug/l

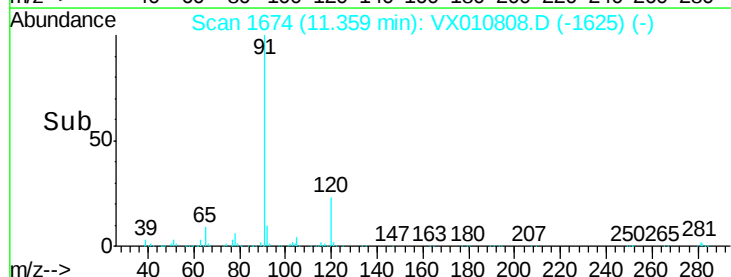
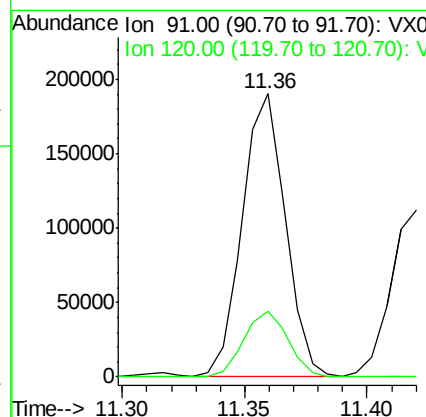
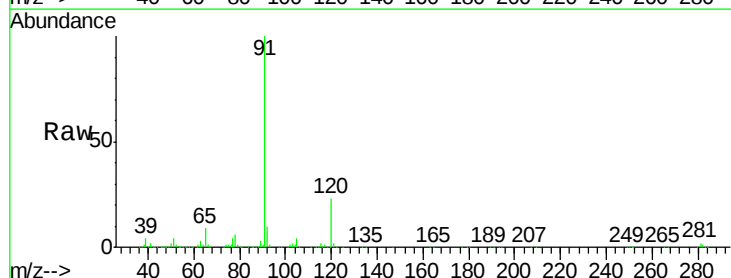
RT: 11.36 min Scan# 1674

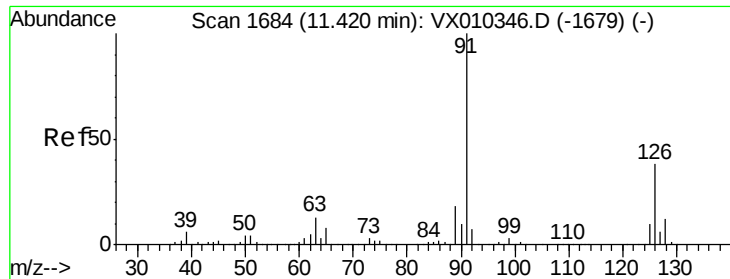
Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Tgt Ion:	91	Resp:	231897
Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.4	37.4





#79

2-Chlorotoluene

Concen: 19.786 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD02

Tot Ion: 91 Resp: 137583

Ion Ratio Lower Upper

91 100

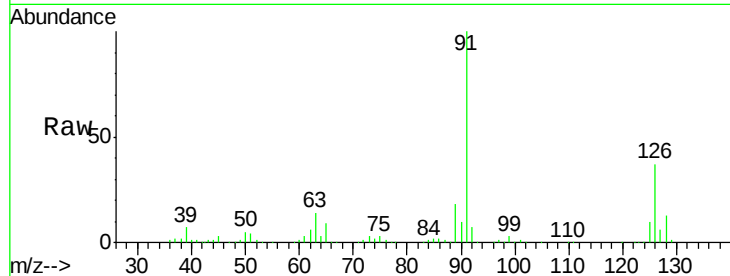
126 37.2 18.7 56.1

Manual Integrations

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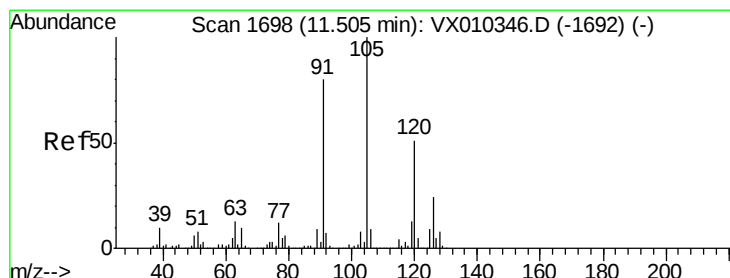
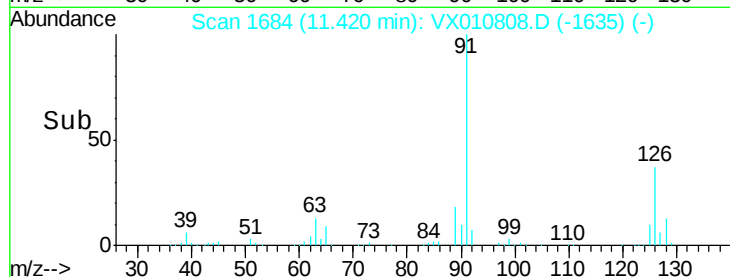
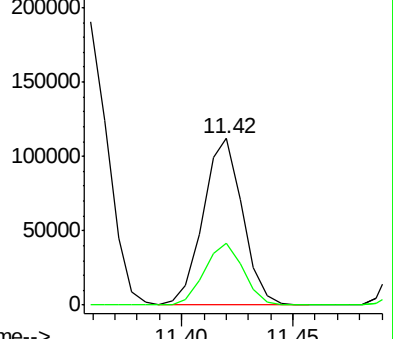
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.833 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010808.D

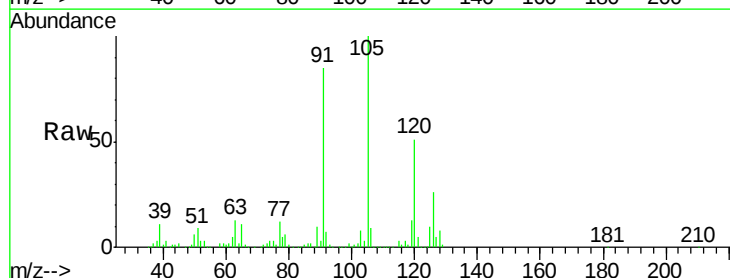
Acq: 11 Jul 2019 15:37

Tgt Ion:105 Resp: 173719

Ion Ratio Lower Upper

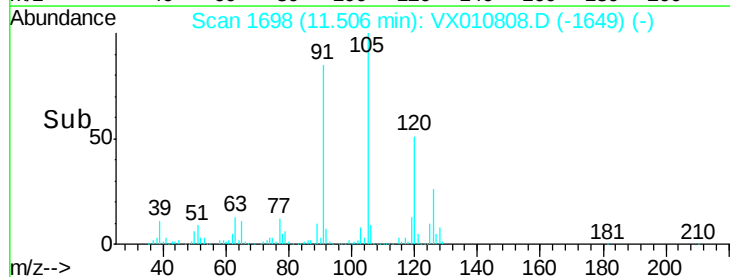
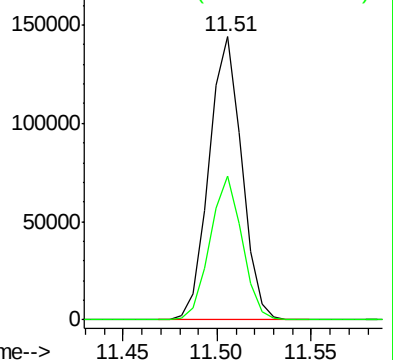
105 100

120 49.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 14.361 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

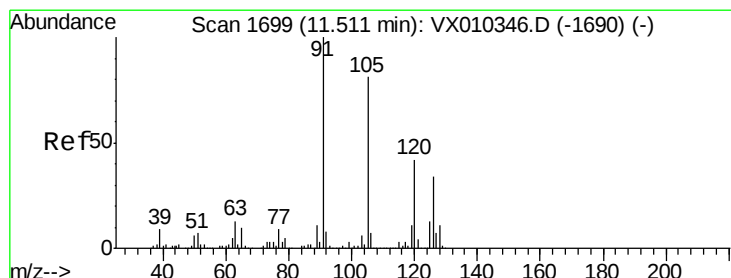
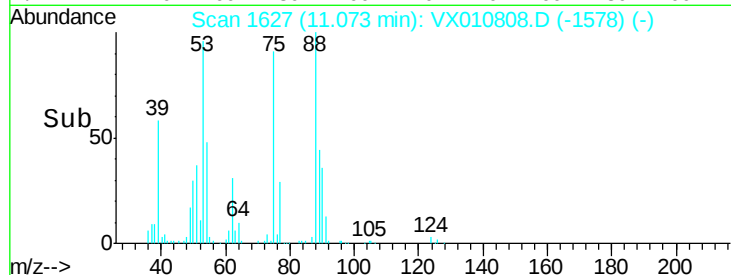
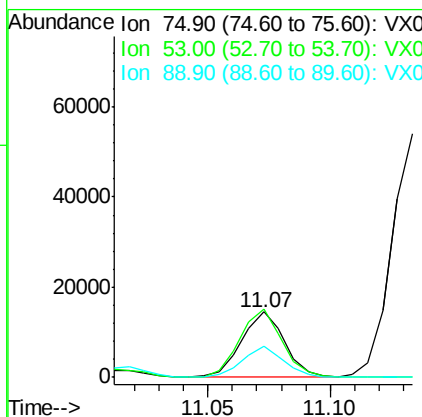
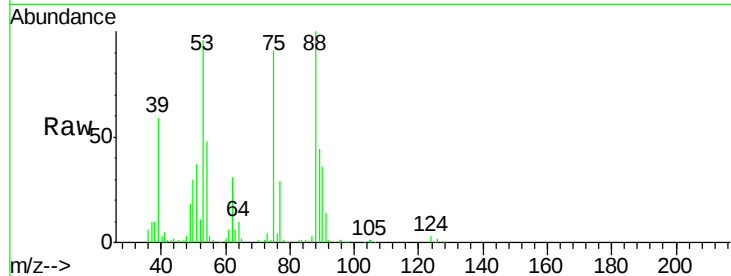
ClientSampleId :

VX0711WBSD02

Tot Ion:	75	Resp:	17582
Ion Ratio	Lower	Upper	
75	100		
53	104.2	66.1	99.1#
89	46.4	37.8	56.6

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#82

4-Chlorotoluene

Concen: 20.136 ug/l

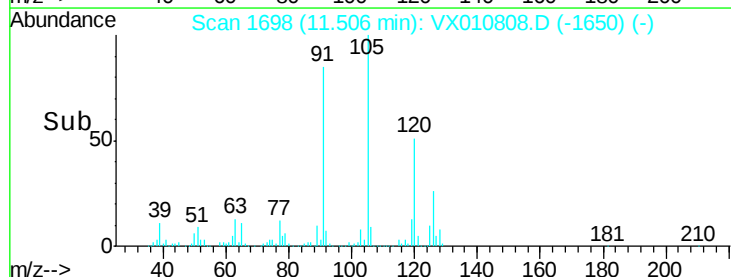
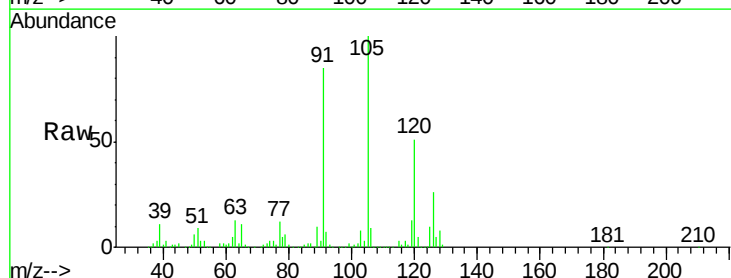
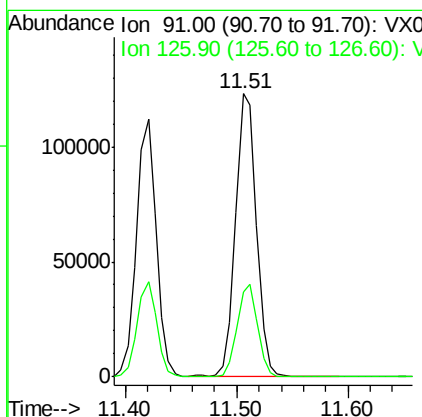
RT: 11.51 min Scan# 1698

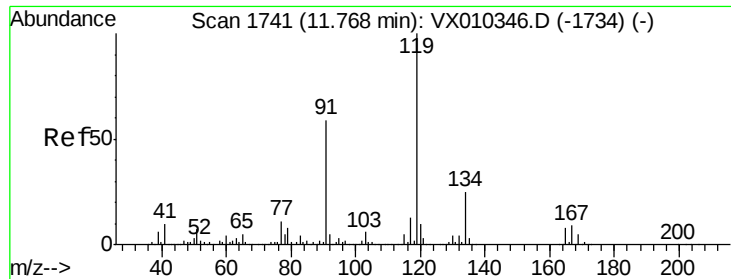
Delta R.T. -0.01 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Tgt Ion:	91	Resp:	159324
Ion Ratio	Lower	Upper	
91	100		
126	32.0	16.2	48.6





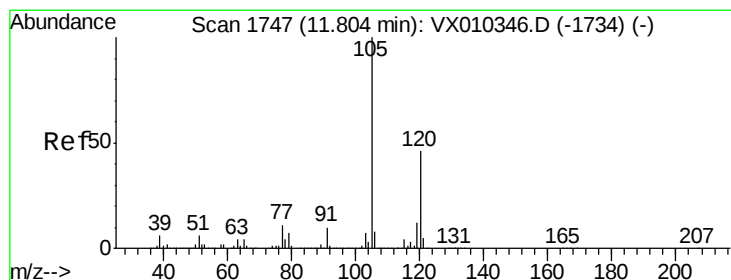
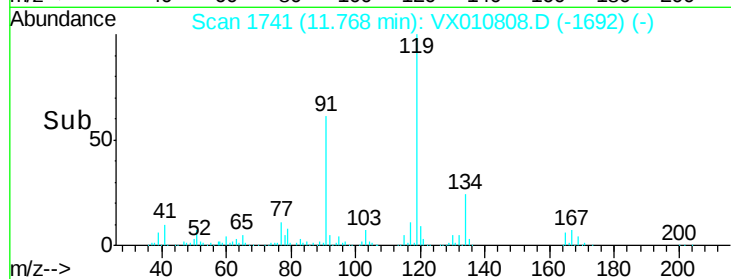
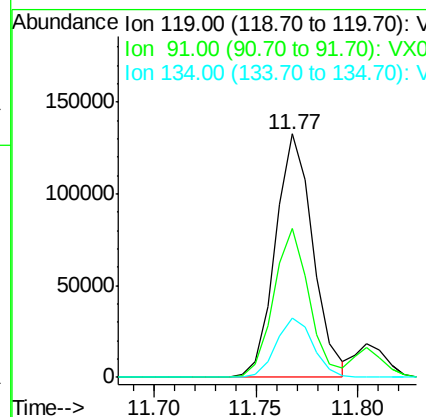
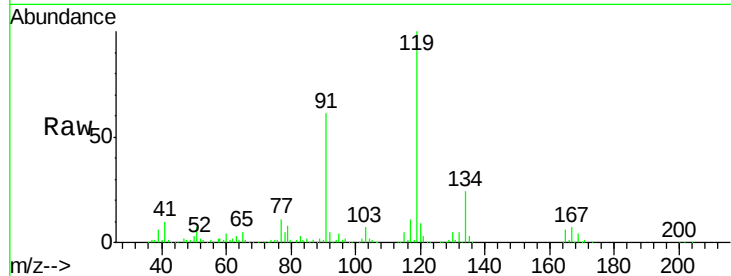
#83
 tert-Butylbenzene
 Concen: 19.355 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0711WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	170157		
91	58.2		27.6	82.7
134	24.1		11.8	35.4

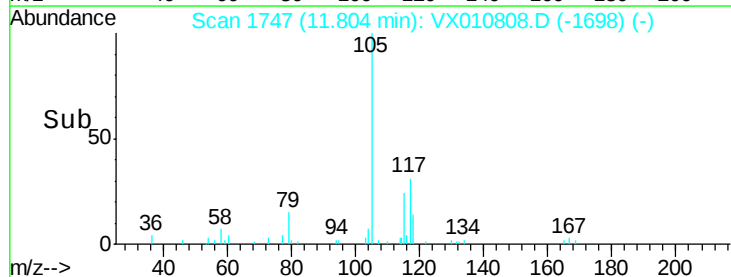
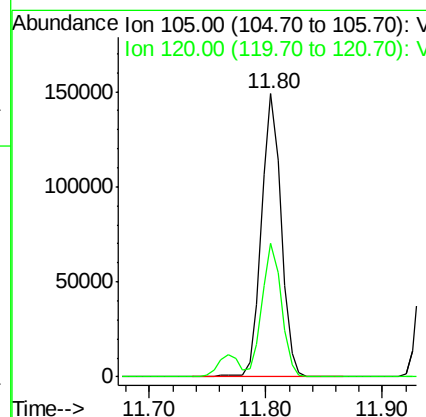
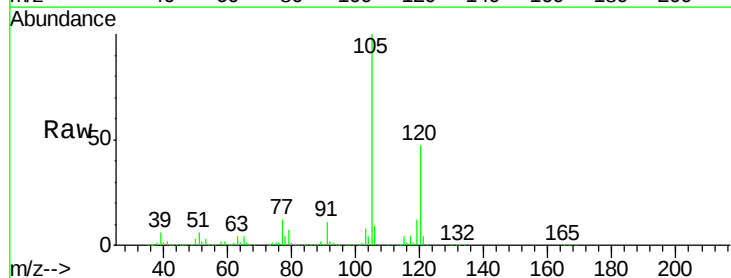
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.097 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	176859		
120	46.9		23.1	69.2





#85

sec-Butylbenzene

Concen: 19.977 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD02

Tot Ion:105 Resp: 206212

Ion Ratio Lower Upper

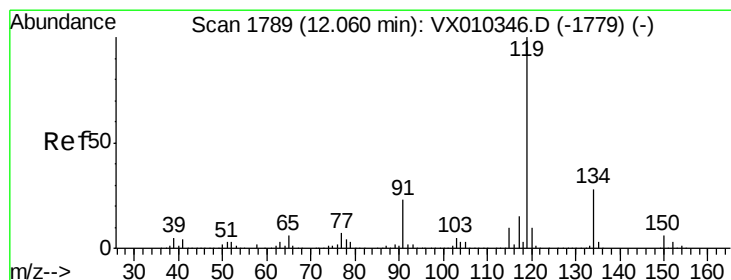
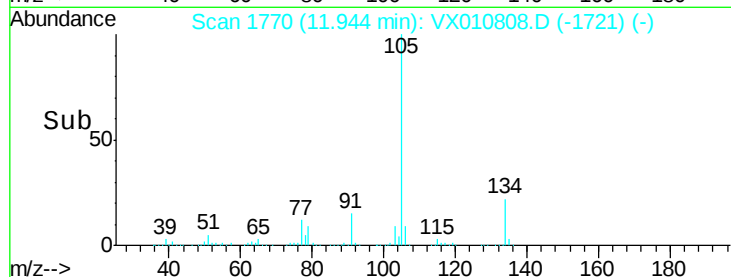
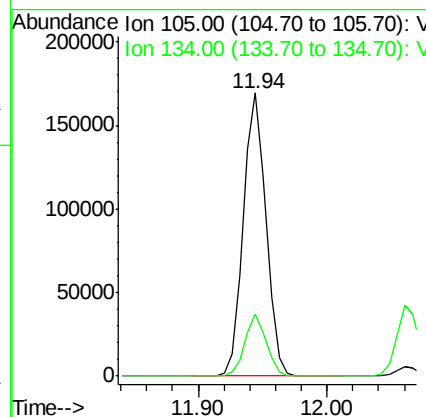
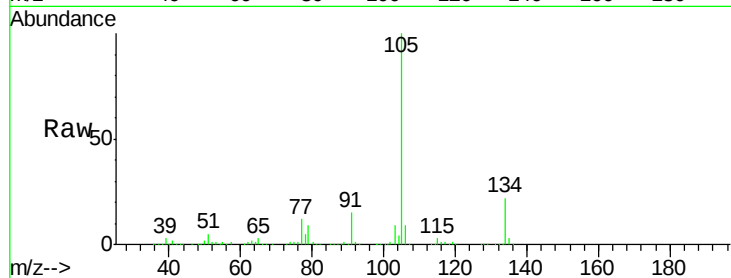
105 100

134 20.9 10.7 31.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.552 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

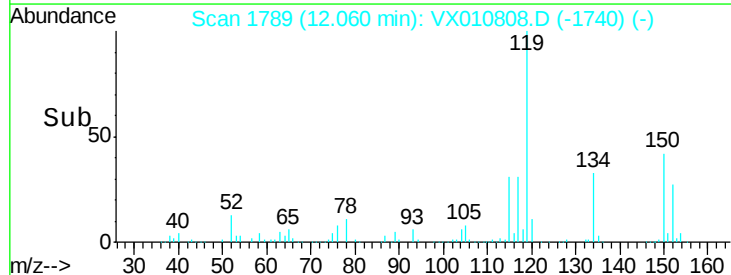
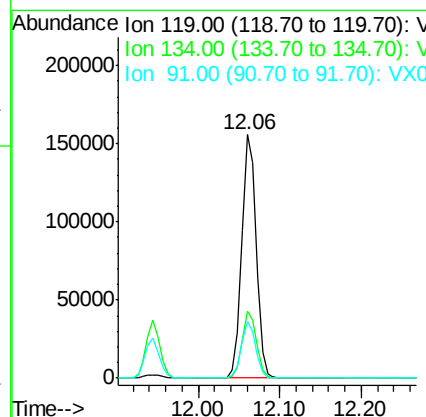
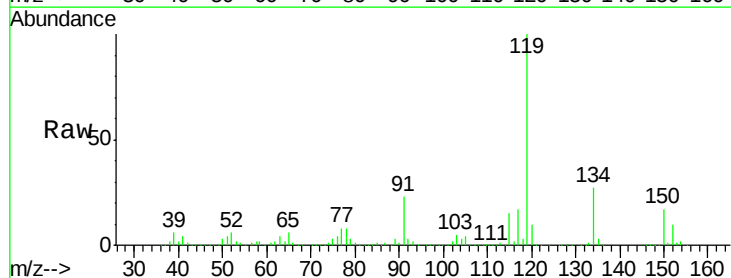
Tgt Ion:119 Resp: 186674

Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.1

91 23.1 11.3 33.8





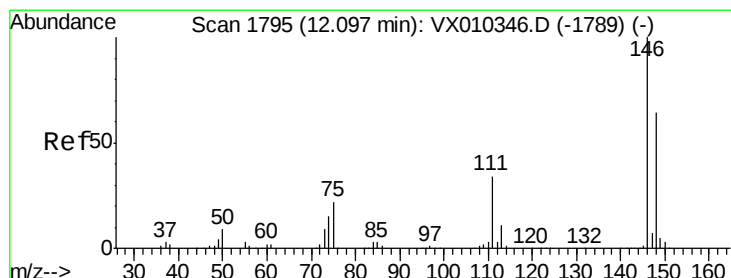
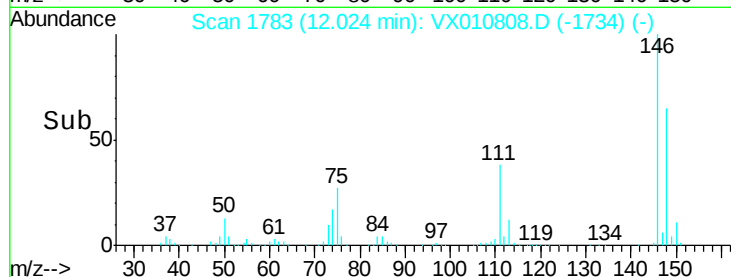
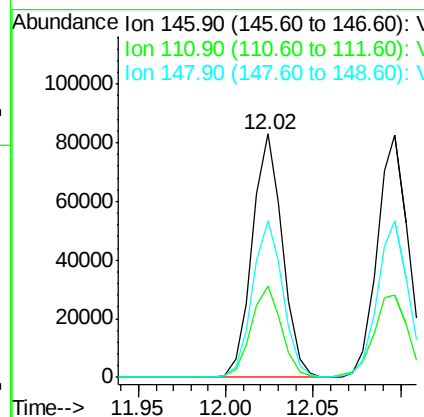
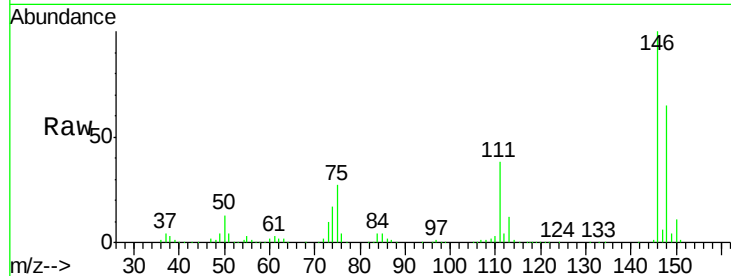
#87
 1,3-Dichlorobenzene
 Concen: 19.223 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.1
148	64.5	32.5	97.4

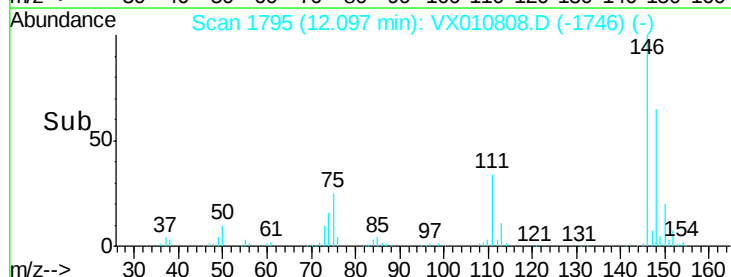
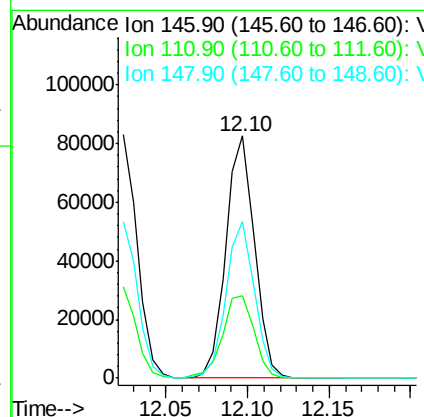
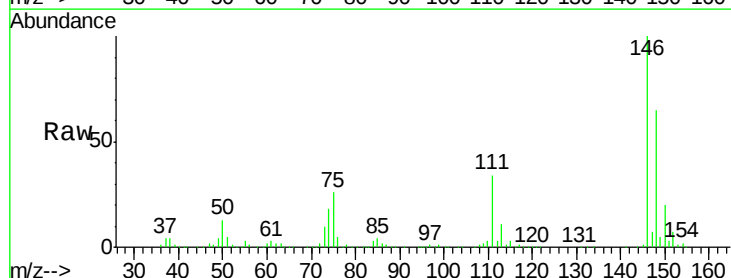
Manual Integrations
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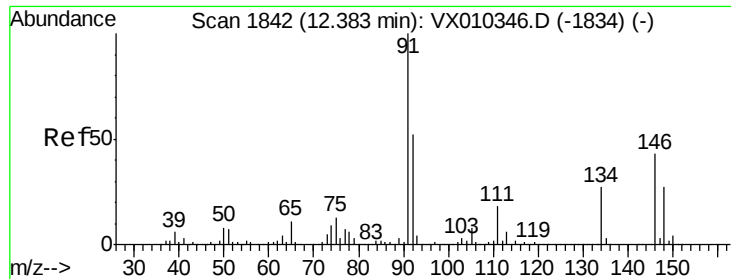
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#88
 1,4-Dichlorobenzene
 Concen: 19.152 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.1	54.3
148	64.5	32.1	96.3





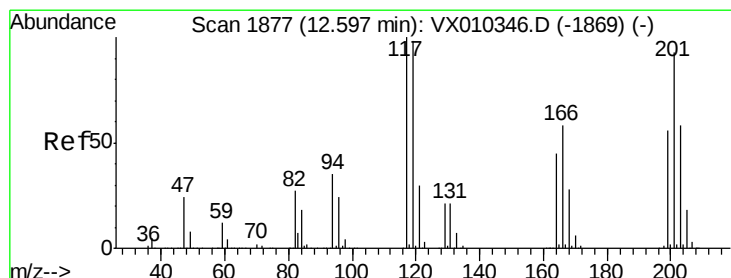
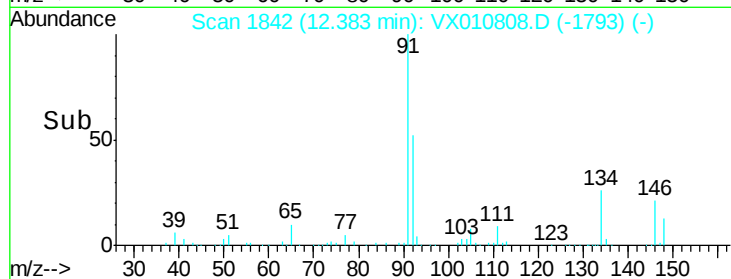
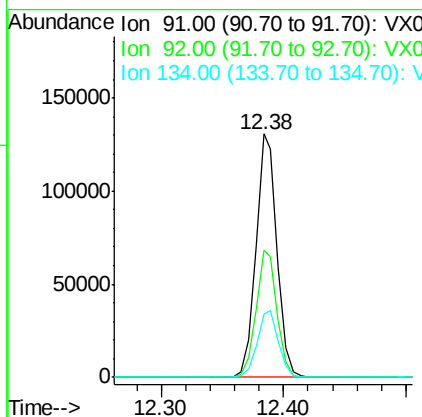
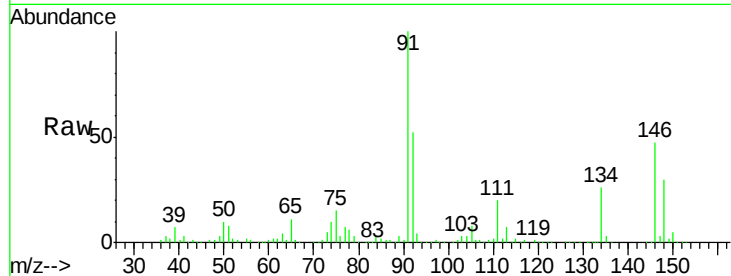
#89
n-Butylbenzene
Concen: 19.316 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	27.8	14.1	42.4

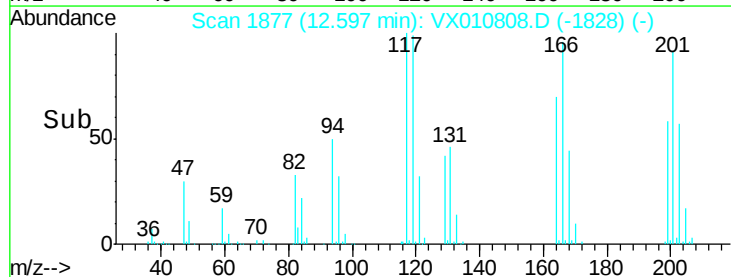
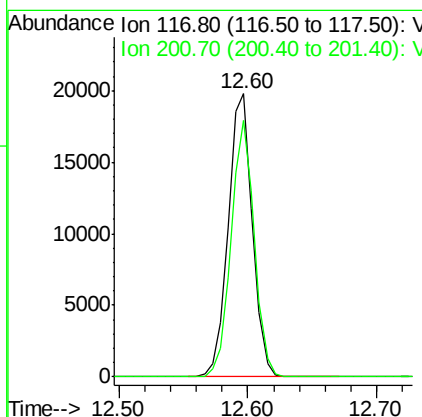
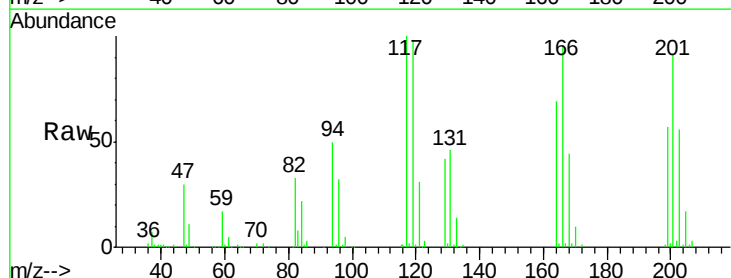
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#90
Hexachloroethane
Concen: 15.805 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010808.D
Acq: 11 Jul 2019 15:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	44.0	131.8





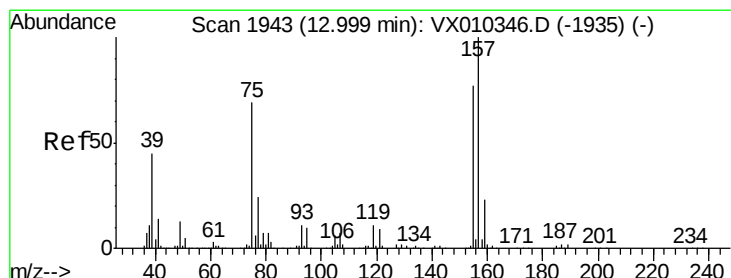
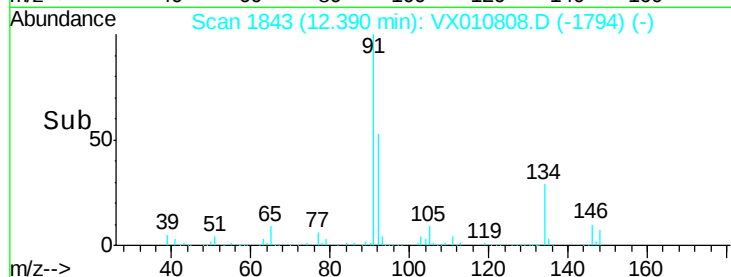
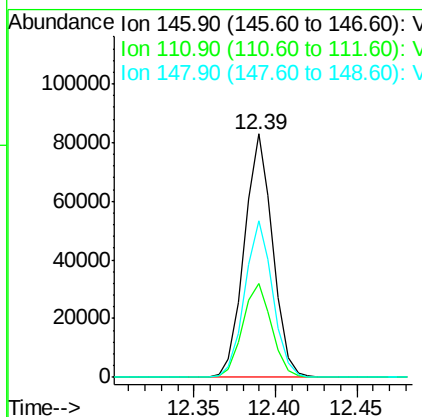
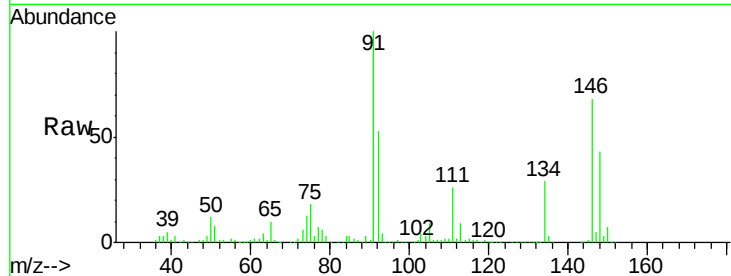
#91
 1,2-Dichlorobenzene
 Concen: 19.542 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.5	19.2	57.6	
148	63.5	32.0	96.0	

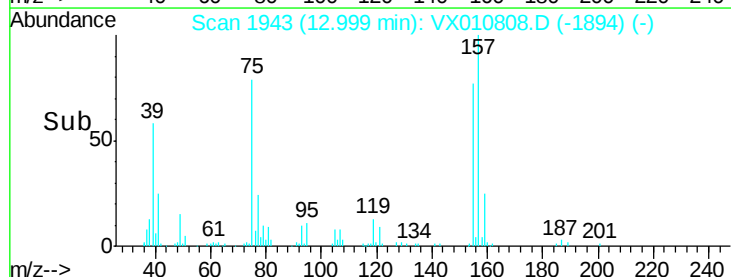
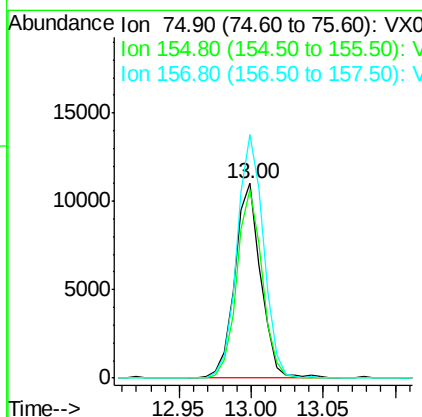
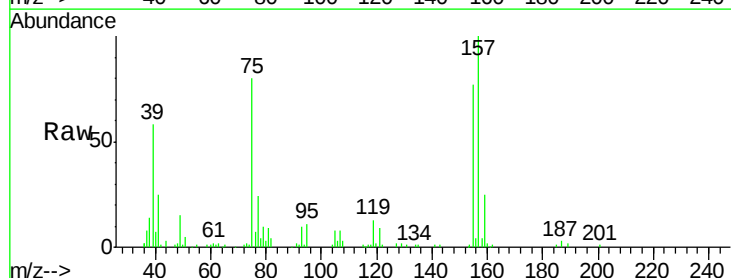
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.344 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	93.5	54.4	163.1	
157	125.9	69.5	208.3	





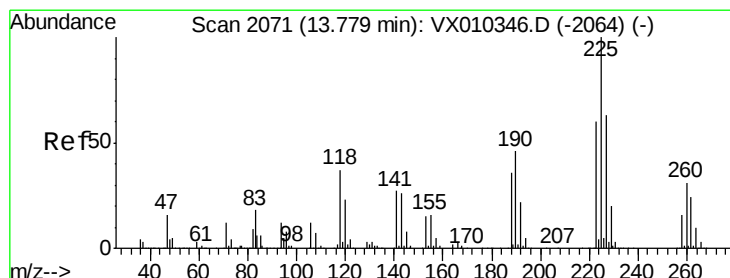
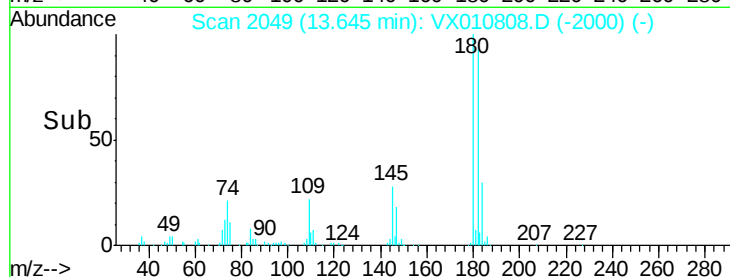
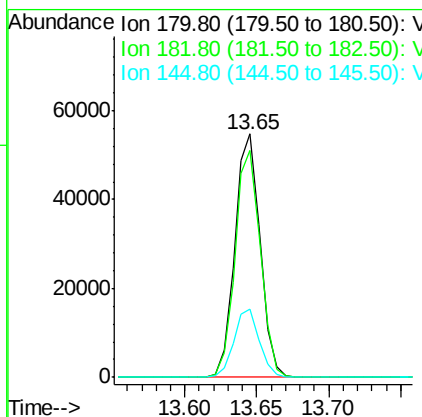
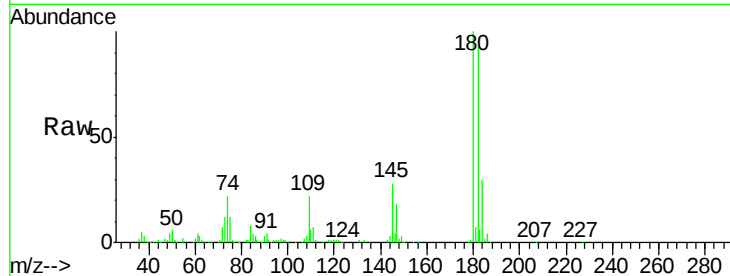
#93
 1,2,4-Trichlorobenzene
 Concen: 18.875 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	67371		
182	93.4	48.0	144.0	
145	28.2	14.4	43.4	

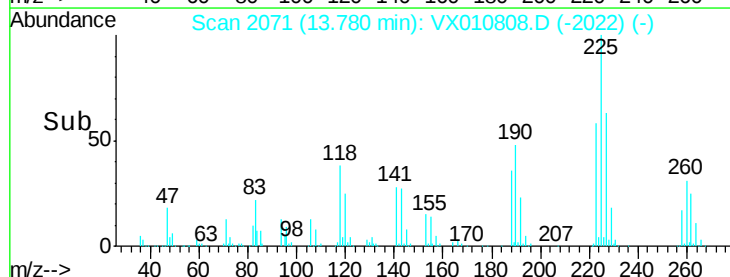
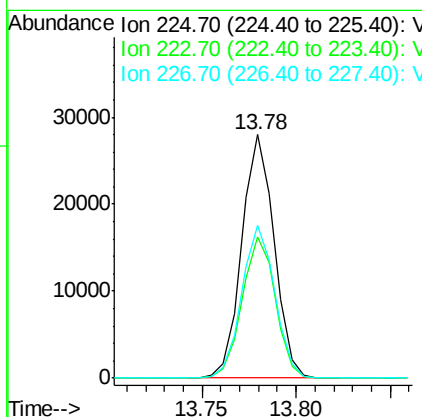
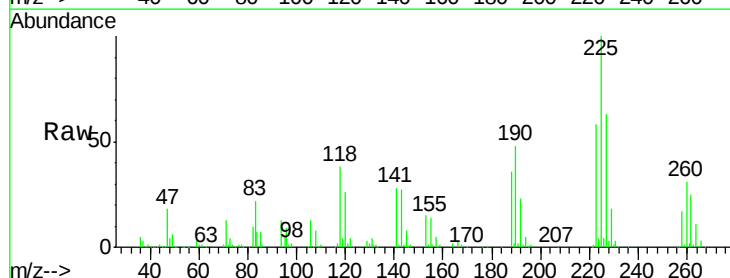
Manual Integrations
 APPROVED

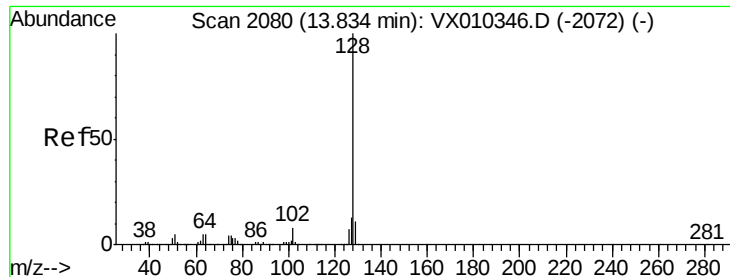
MMDadoda
 7/12/2019 1:10:32 PM



#94
 Hexachlorobutadiene
 Concen: 19.121 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010808.D
 Acq: 11 Jul 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	33356		
223	59.2	30.9	92.7	
227	63.8	31.9	95.5	





#95

Naphthalene

Concen: 18.738 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Instrument :

MSVOA_X

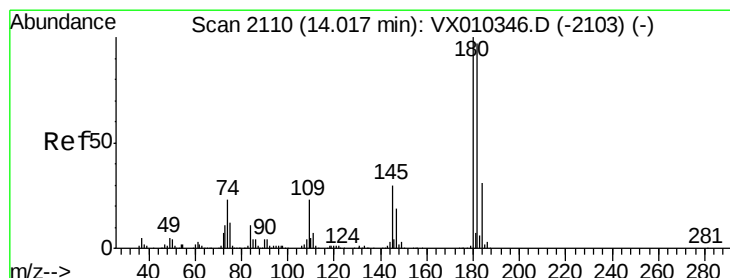
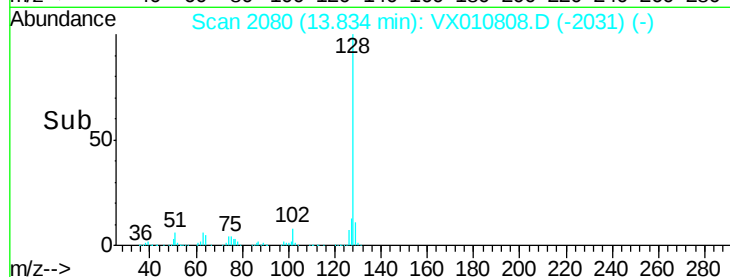
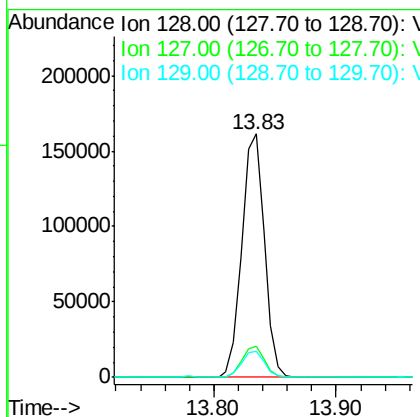
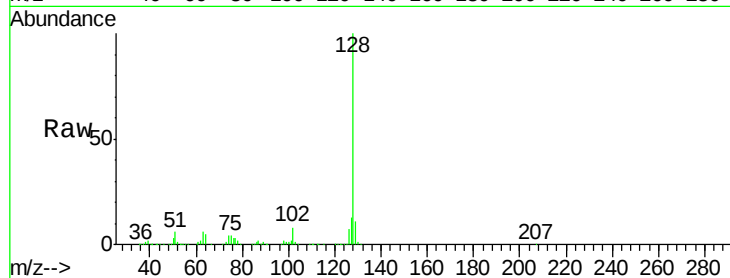
ClientSampleId :

VX0711WBSD02

Tot Ion:	128	Resp:	205532
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/12/2019 1:10:32 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.790 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010808.D

Acq: 11 Jul 2019 15:37

Tgt Ion:	180	Resp:	66685
Ion Ratio	Lower	Upper	
180	100		
182	98.1	47.8	143.3
145	30.9	15.2	45.6

