

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010637.D
 Acq On : 03 Jul 2019 14:05
 Operator : JC/SP
 Sample : VX0703WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 2:41:17 PM

Quant Time: Jul 04 04:09:19 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	5.66	168	232914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	348785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	313477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159018	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	112492	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
35) Dibromofluoromethane	5.50	113	107955	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	8.71	98	396605	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	11.13	95	140570	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	26504	16.368	ug/l	99
3) Chloromethane	1.33	50	29079	15.422	ug/l	97
4) Vinyl Chloride	1.41	62	32799	15.881	ug/l	97
5) Bromomethane	1.64	94	21387	21.256	ug/l	99
6) Chloroethane	1.72	64	22643	18.583	ug/l	95
7) Trichlorofluoromethane	1.93	101	62250	19.014	ug/l	100
8) Diethyl Ether	2.19	74	22928	19.529	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	36566	18.430	ug/l	98
10) Methyl Iodide	2.51	142	34811	12.294	ug/l	98
11) Tert butyl alcohol	3.04	59	53849	94.236	ug/l	99
12) 1,1-Dichloroethene	2.37	96	35588	17.628	ug/l	94
13) Acrolein	2.29	56	34437	90.846	ug/l	100
14) Allyl chloride	2.73	41	50785	17.719	ug/l	98
15) Acrylonitrile	3.14	53	108513	95.913	ug/l	99
16) Acetone	2.45	43	97236	88.844	ug/l	96
17) Carbon Disulfide	2.57	76	75268	13.897	ug/l	97
18) Methyl Acetate	2.78	43	44492	20.397	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	120743	19.011	ug/l	96
20) Methylene Chloride	2.86	84	42472	18.857	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	36880	16.985	ug/l	96
22) Diisopropyl ether	3.86	45	117266	19.569	ug/l	88
23) Vinyl Acetate	3.82	43	487710	94.209	ug/l	100
24) 1,1-Dichloroethane	3.70	63	65163	18.812	ug/l	99
25) 2-Butanone	4.68	43	150052	93.465	ug/l	99
26) 2,2-Dichloropropane	4.59	77	52353	17.398	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	45790	18.250	ug/l	100
28) Bromochloromethane	5.02	49	31989	19.315	ug/l	93
29) Tetrahydrofuran	5.13	42	93081	93.604	ug/l	99
30) Chloroform	5.21	83	70403	18.890	ug/l	97
31) Cyclohexane	5.58	56	55527	17.603	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	59458	18.067	ug/l	98
36) 1,1-Dichloropropene	5.80	75	47334	17.078	ug/l	99
37) Ethyl Acetate	4.84	43	52977	18.580	ug/l	98
38) Carbon Tetrachloride	5.78	117	51286	17.088	ug/l	97

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Manual Integrations
 APPROVED

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 7/8/2019 2:41:17 PM

Quant Time: Jul 04 04:09:19 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	61401	16.853	ug/l	95
40) Benzene	6.14	78	156633	18.139	ug/l	100
41) Methacrylonitrile	5.04	41	29170	18.645	ug/l	97
42) 1,2-Dichloroethane	6.20	62	52088	19.817	ug/l	97
43) Isopropyl Acetate	6.45	43	87748	18.601	ug/l	99
44) Trichloroethene	7.21	130	45492	17.607	ug/l	93
45) 1,2-Dichloropropane	7.51	63	40582	18.611	ug/l	95
46) Dibromomethane	7.66	93	28957	18.509	ug/l	97
47) Bromodichloromethane	7.90	83	50768	17.707	ug/l	99
48) Methyl methacrylate	7.77	41	42031	19.168	ug/l	98
49) 1,4-Dioxane	7.74	88	23296	368.795	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	291886	96.743	ug/l	99
52) Toluene	8.79	92	102279	17.986	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	52947	16.471	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	61110	17.494	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	44061	18.788	ug/l	98
56) Ethyl methacrylate	9.18	69	63954	18.002	ug/l	95
57) 1,3-Dichloropropane	9.37	76	68380	18.783	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	149060	88.344	ug/l	99
59) 2-Hexanone	9.49	43	225708	95.051	ug/l	99
60) Dibromochloromethane	9.58	129	44067	16.782	ug/l	98
61) 1,2-Dibromoethane	9.67	107	46353	18.311	ug/l	100
64) Tetrachloroethene	9.33	164	45287	17.861	ug/l	97
65) Chlorobenzene	10.13	112	115322	18.120	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	42161	18.187	ug/l	99
67) Ethyl Benzene	10.25	91	198020	18.431	ug/l	98
68) m/p-Xylenes	10.36	106	151614	36.419	ug/l	99
69) o-Xylene	10.69	106	75654	18.479	ug/l	98
70) Styrene	10.71	104	125253	18.243	ug/l	99
71) Bromoform	10.85	173	31992	15.870	ug/l #	98
73) Isopropylbenzene	11.02	105	197704	18.341	ug/l	99
74) N-amyl acetate	10.90	43	76887	18.874	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	68994	19.327	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	54240m	18.718	ug/l	
77) Bromobenzene	11.26	156	54856	18.225	ug/l	99
78) n-propylbenzene	11.36	91	217991	18.400	ug/l	99
79) 2-Chlorotoluene	11.42	91	127835	18.121	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	164718	18.536	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	18302	14.735	ug/l	88
82) 4-Chlorotoluene	11.51	91	147303	18.350	ug/l	100
83) tert-Butylbenzene	11.77	119	162825	18.256	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	163380	18.300	ug/l	100
85) sec-Butylbenzene	11.94	105	193201	18.449	ug/l	99
86) p-Isopropyltoluene	12.06	119	174800	18.046	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	93195	17.738	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	94759	17.716	ug/l	99
89) n-Butylbenzene	12.38	91	147039	17.864	ug/l	100
90) Hexachloroethane	12.60	117	25801	15.404	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	95087	18.209	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13524	17.571	ug/l	89

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ClientSampleId :
VX0703WBS01

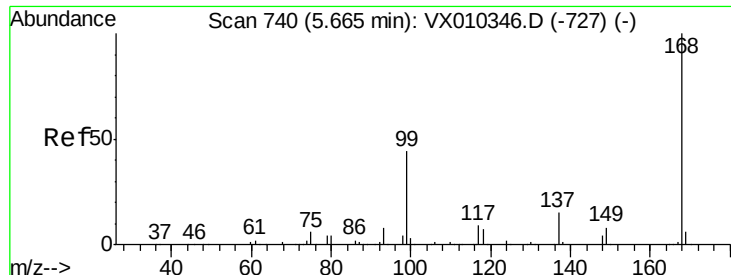
Manual Integrations
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7/8/2019 2:41:17 PM

Quant Time: Jul 04 04:09:19 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)
93) 1,2,4-Trichlorobenzene	13.65	180	62582	17.282	ug/l	100
94) Hexachlorobutadiene	13.78	225	31148	17.599	ug/l	100
95) Naphthalene	13.83	128	195621	17.579	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	63029	17.506	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion:168 Resp: 232914

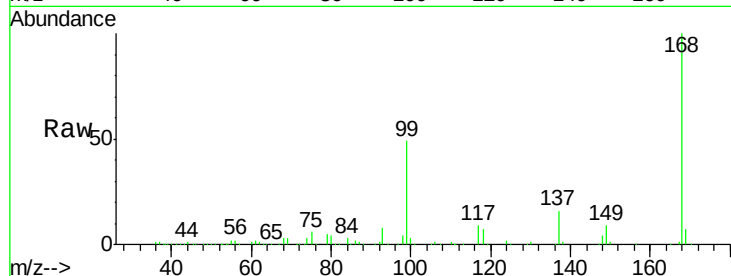
Ion Ratio Lower Upper

168 100

99 48.6 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

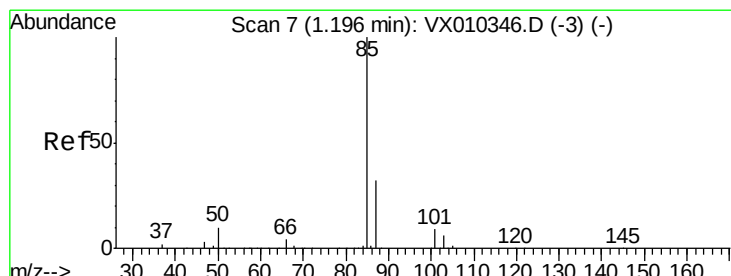
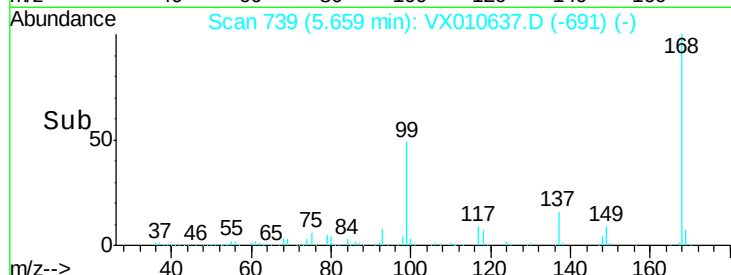
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.368 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010637.D

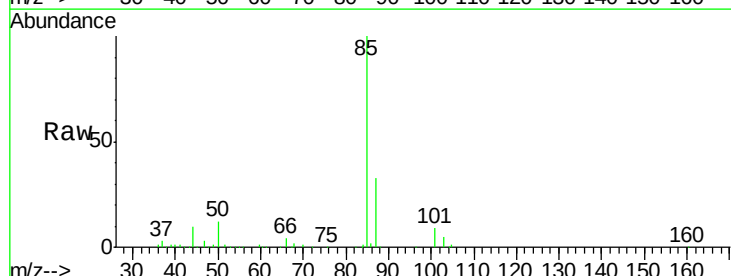
Acq: 03 Jul 2019 14:05

Tgt Ion: 85 Resp: 26504

Ion Ratio Lower Upper

85 100

87 33.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

25000

20000

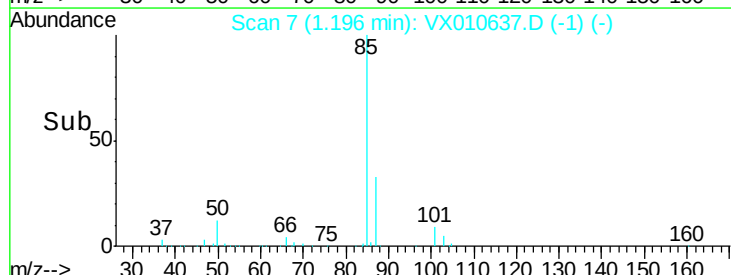
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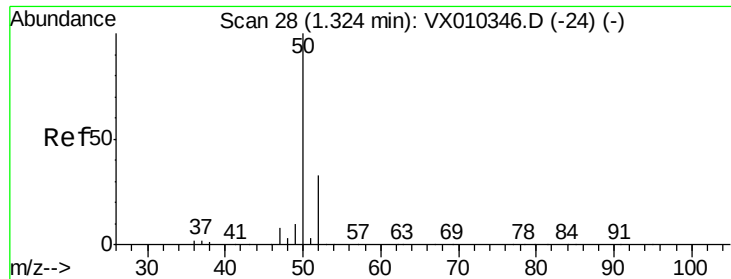
10000

5000

0

Time-->





#3

Chloromethane

Concen: 15.422 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion: 50 Resp: 29079

Ion Ratio Lower Upper

50 100

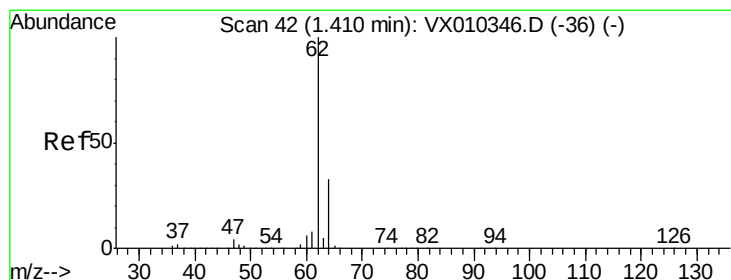
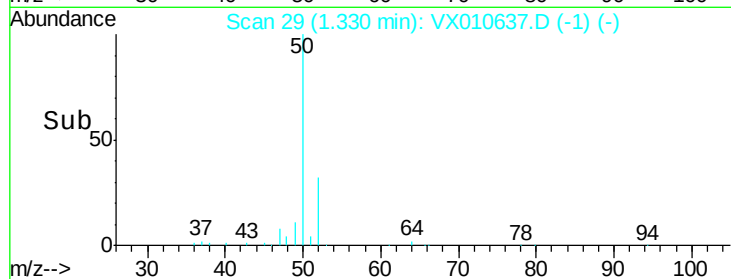
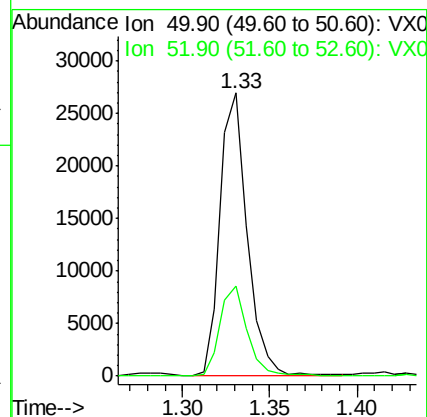
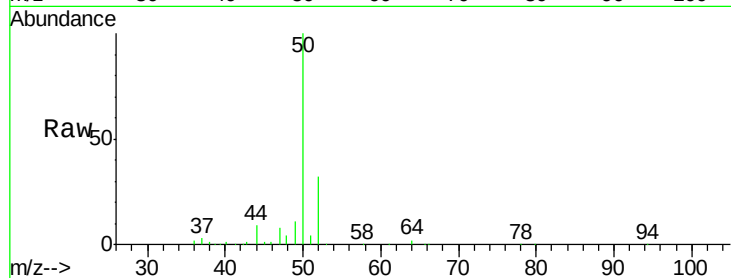
52 31.6 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 15.881 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010637.D

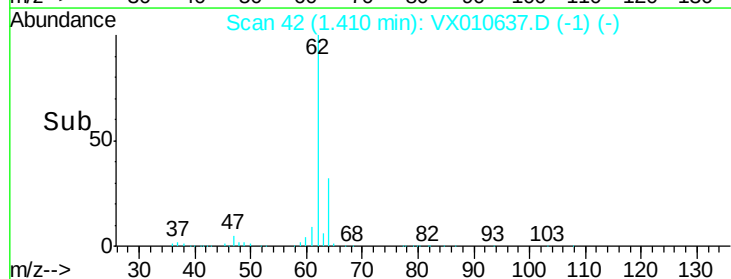
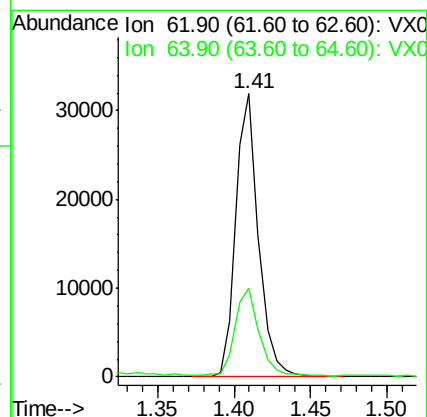
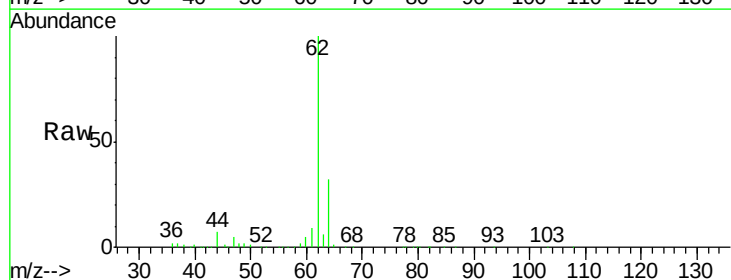
Acq: 03 Jul 2019 14:05

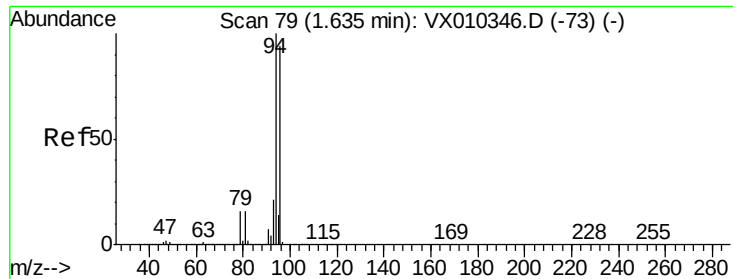
Tgt Ion: 62 Resp: 32799

Ion Ratio Lower Upper

62 100

64 31.1 26.2 39.4





#5

Bromomethane

Concen: 21.256 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion: 94 Resp: 21387

Ion Ratio Lower Upper

94 100

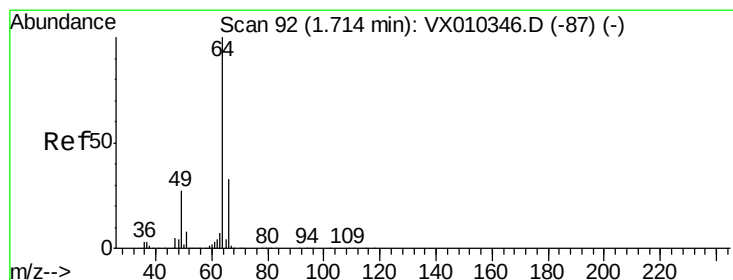
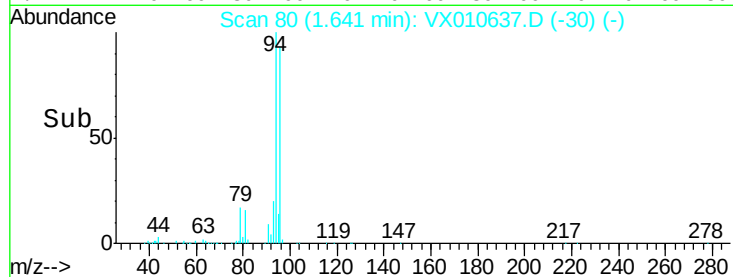
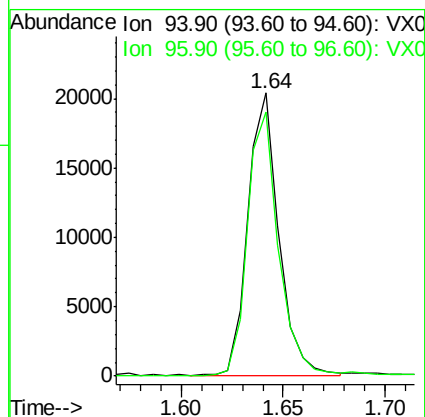
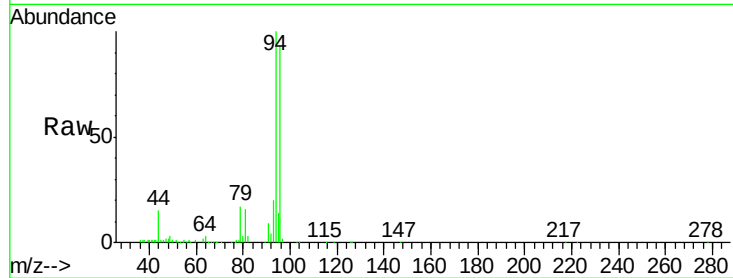
96 93.5 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 18.583 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010637.D

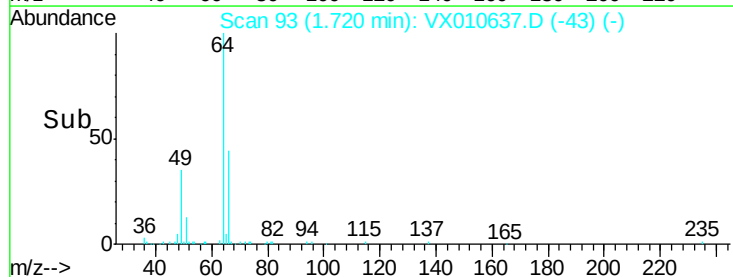
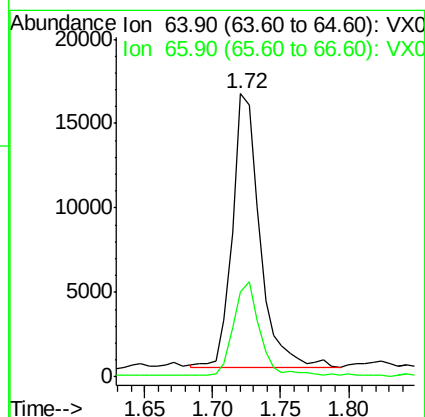
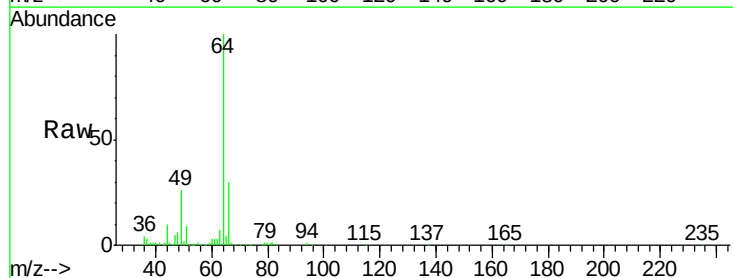
Acq: 03 Jul 2019 14:05

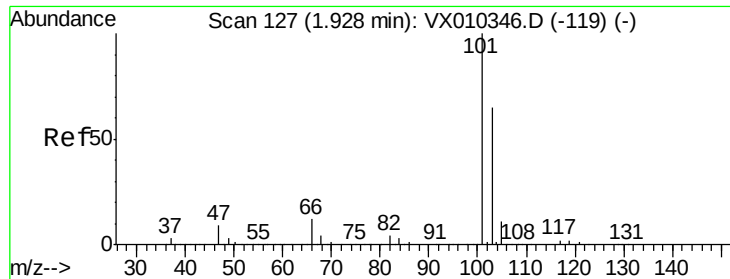
Tgt Ion: 64 Resp: 22643

Ion Ratio Lower Upper

64 100

66 30.3 26.6 40.0





#7

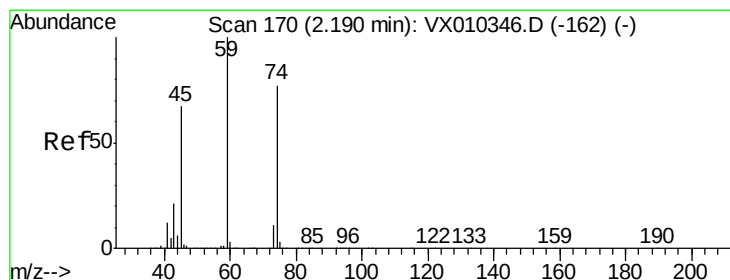
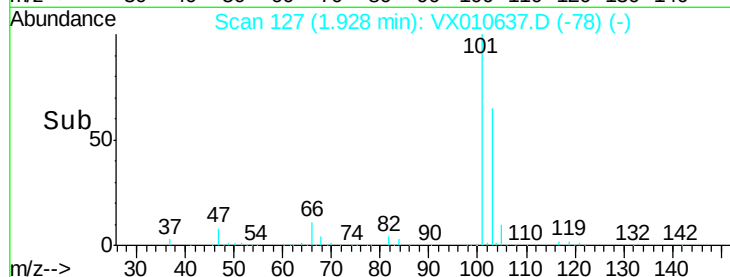
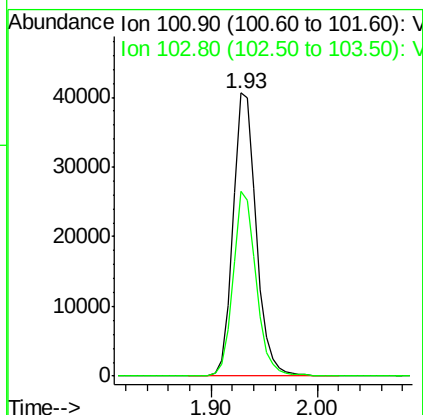
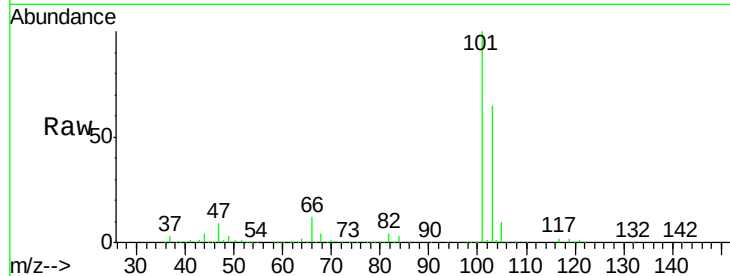
Trichlorofluoromethane
Concen: 19.014 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Instrument :
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ClientSampleId :
VX0703WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.3	78.5

Manual Integrations
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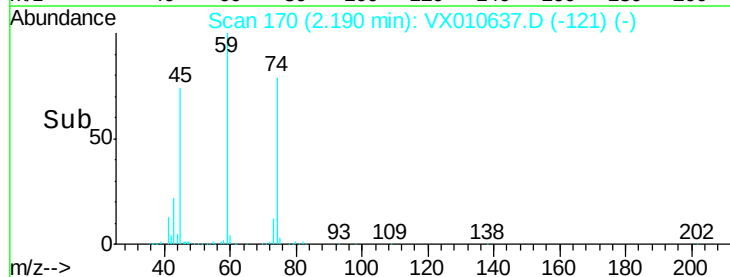
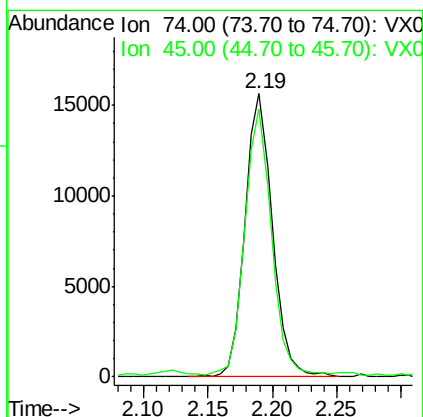
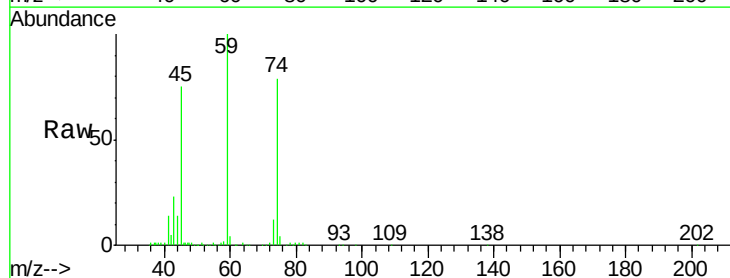
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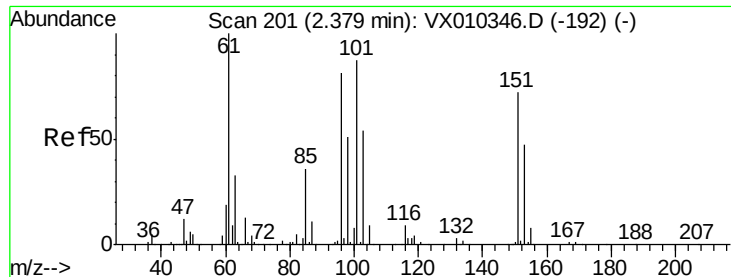


#8

Diethyl Ether
Concen: 19.529 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.3	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.430 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

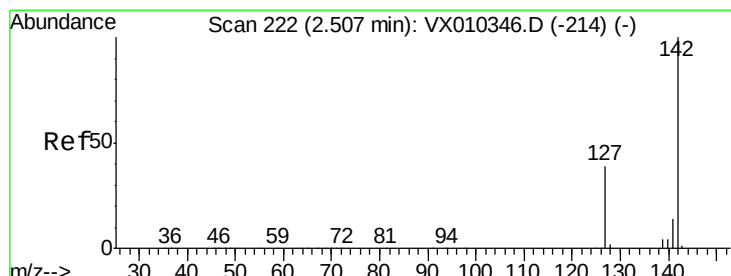
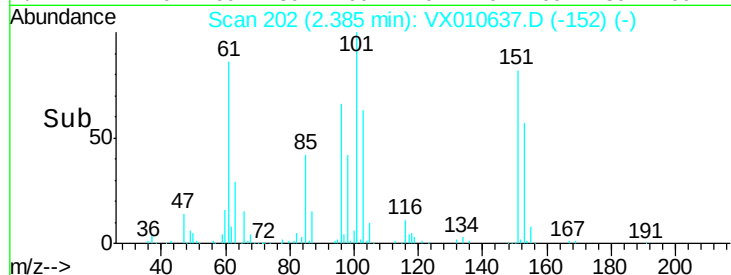
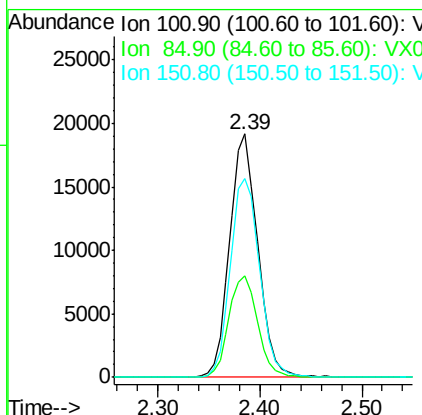
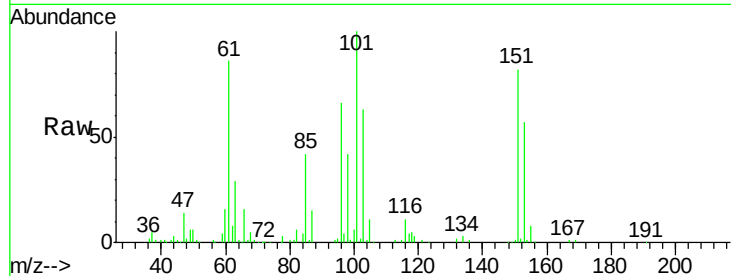
ClientSampled :

VX0703WBS01

Tot Ion:	101	Resp:	36566
Ion Ratio	Lower	Upper	
101	100		
85	42.9	33.7	50.5
151	84.8	70.1	105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 12.294 ug/l

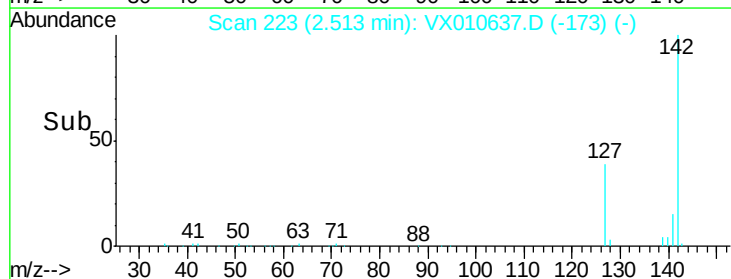
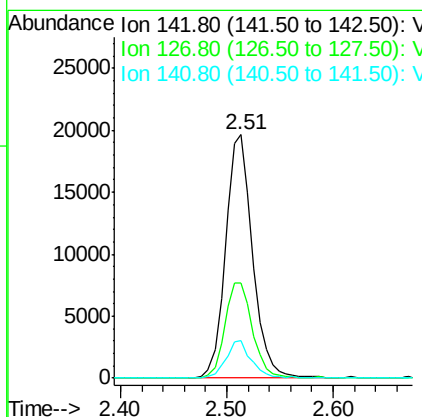
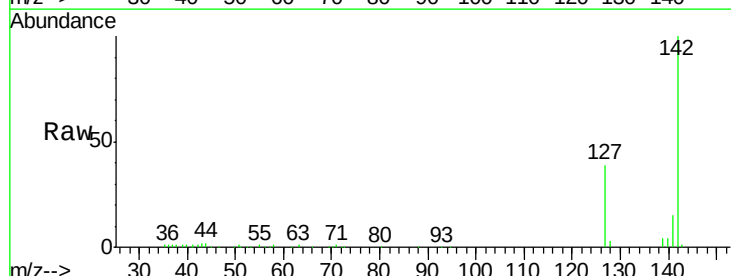
RT: 2.51 min Scan# 223

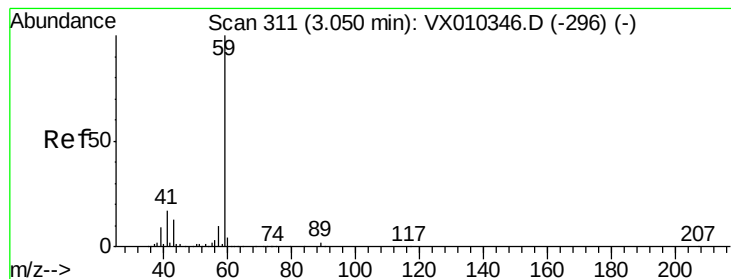
Delta R.T. 0.01 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Tgt Ion:	142	Resp:	34811
Ion Ratio	Lower	Upper	
142	100		
127	40.1	31.1	46.7
141	14.3	11.2	16.8





#11

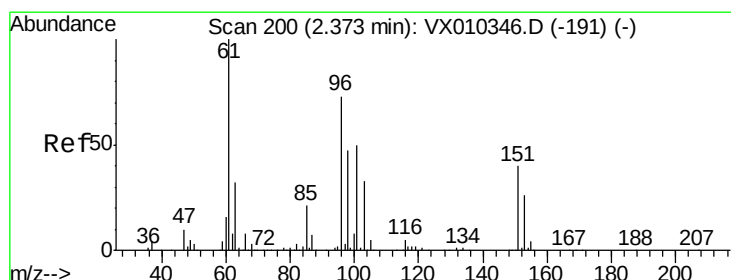
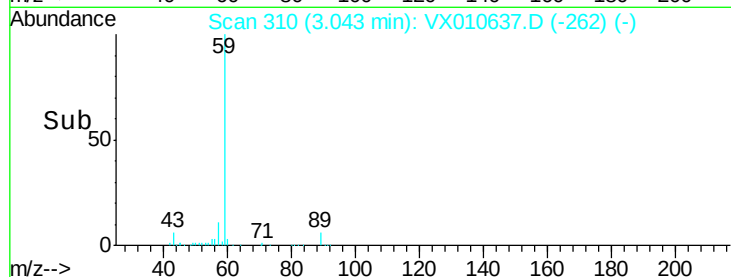
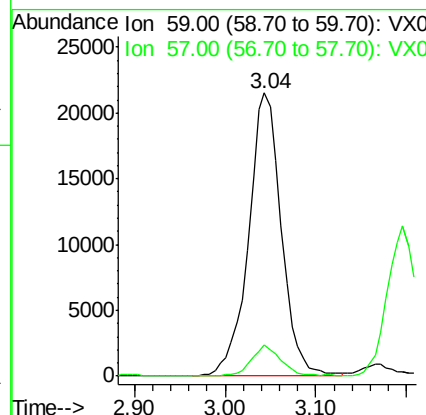
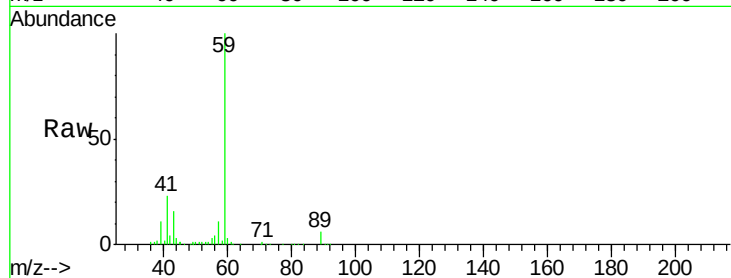
Tert butyl alcohol
Concen: 94.236 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion	59	Resp	53849
Ion Ratio	100	Lower	Upper
57	9.8	7.7	11.5

Manual Integrations
APPROVED

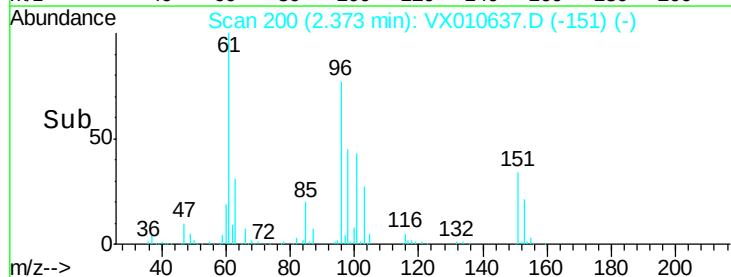
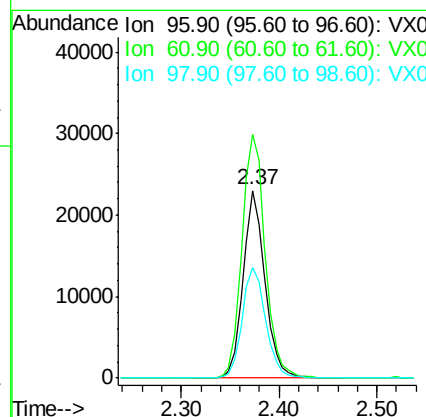
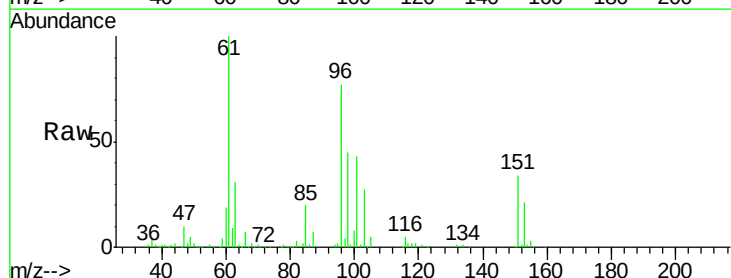
MMDadoda
7/8/2019 2:41:17 PM

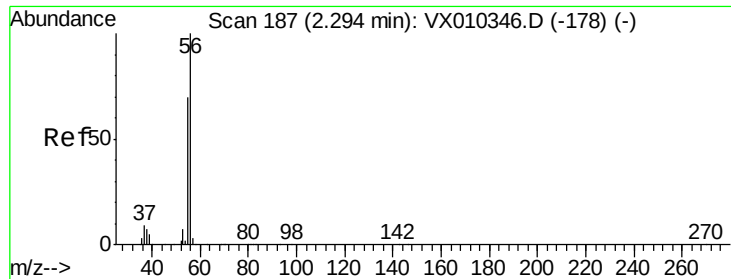


#12

1,1-Dichloroethene
Concen: 17.628 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Tgt Ion	96	Resp	35588
Ion Ratio	100	Lower	Upper
61	129.8	109.2	163.8
98	59.0	51.1	76.7





#13

Acrolein

Concen: 90.846 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion: 56 Resp: 34437

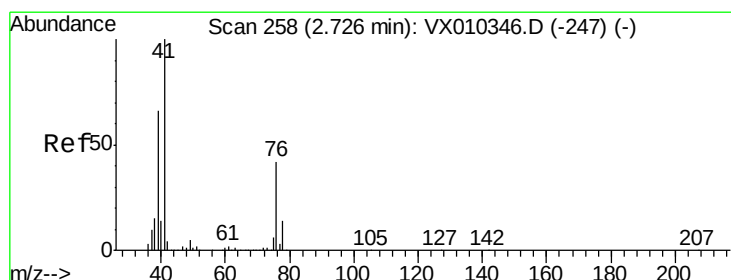
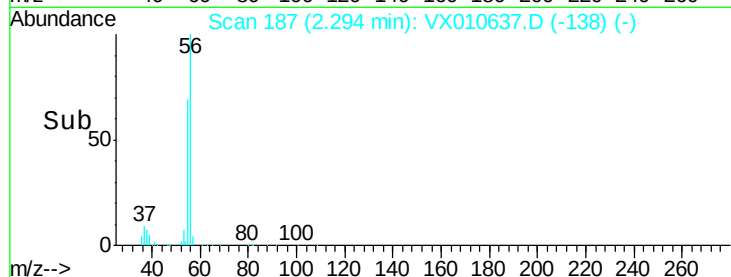
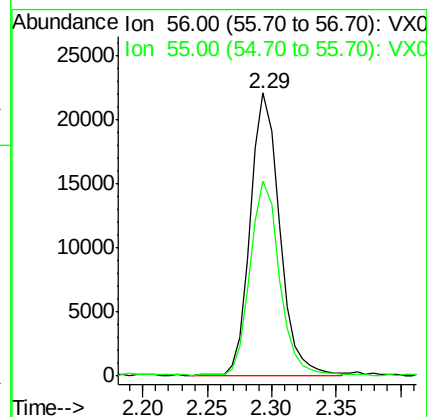
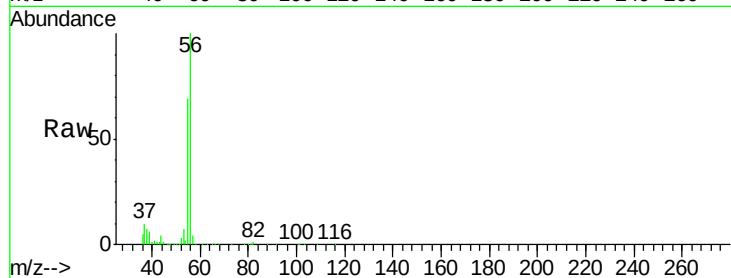
Ion Ratio Lower Upper

56 100

55 71.1 56.9 85.3

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 17.719 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

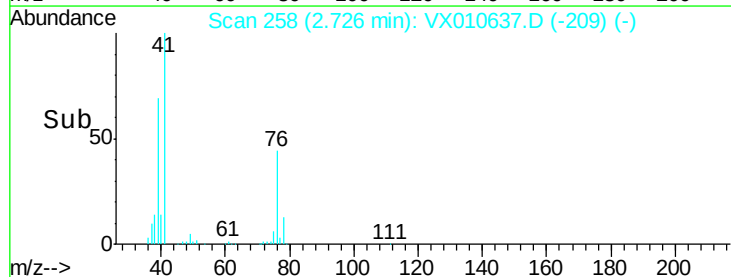
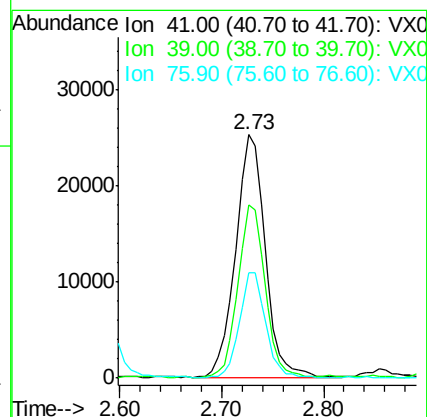
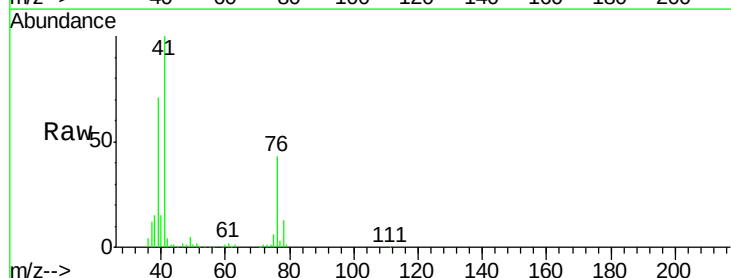
Tgt Ion: 41 Resp: 50785

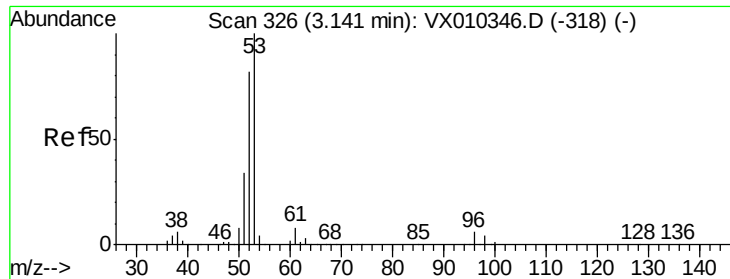
Ion Ratio Lower Upper

41 100

39 64.6 50.3 75.5

76 37.9 31.3 46.9





#15

Acrylonitrile

Concen: 95.913 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

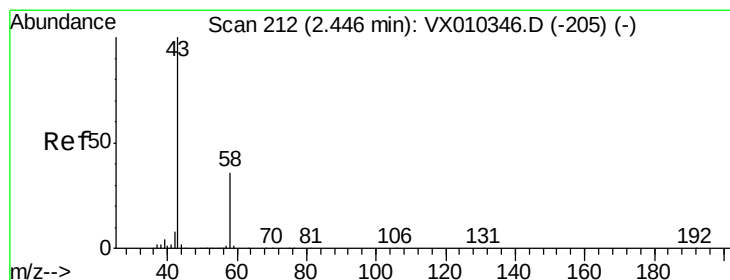
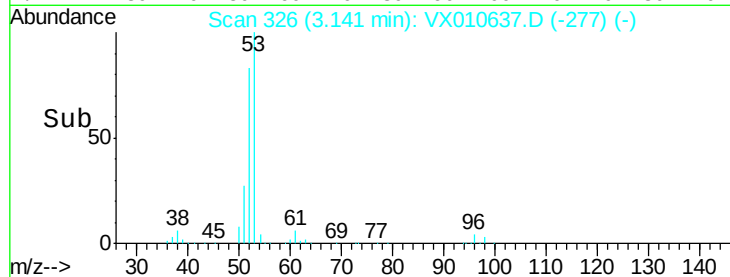
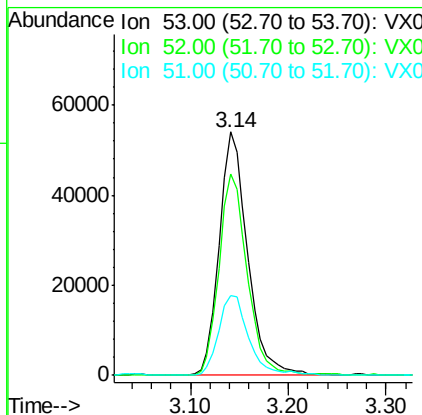
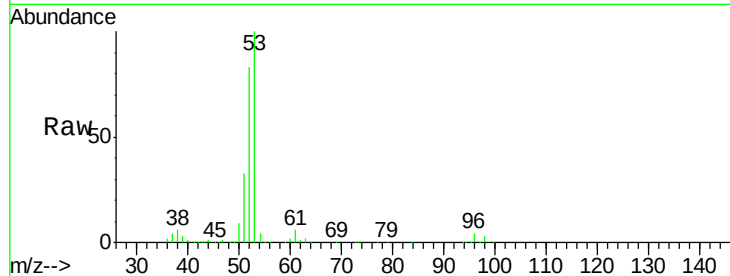
ClientSampleId :

VX0703WBS01

Tot Ion:	53	Resp:	108513
Ion Ratio	Lower	Upper	
53	100		
52	83.1	65.5	98.3
51	34.9	28.2	42.4

Manual Integrations
APPROVED

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7/8/2019 2:41:17 PM



#16

Acetone

Concen: 88.844 ug/l

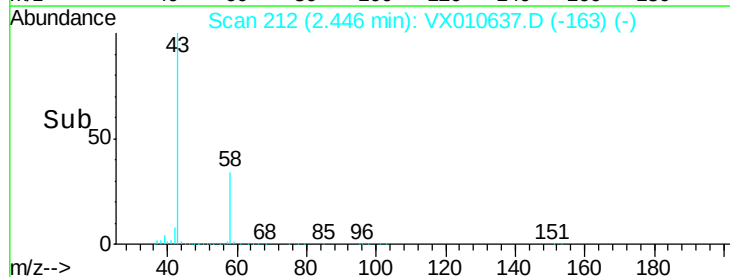
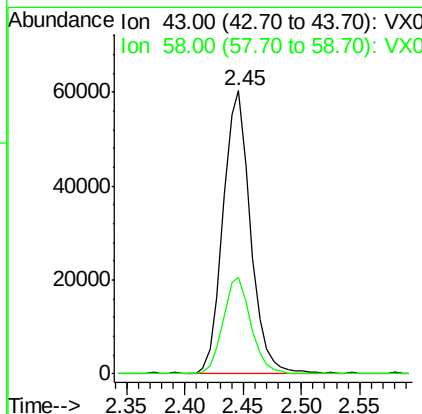
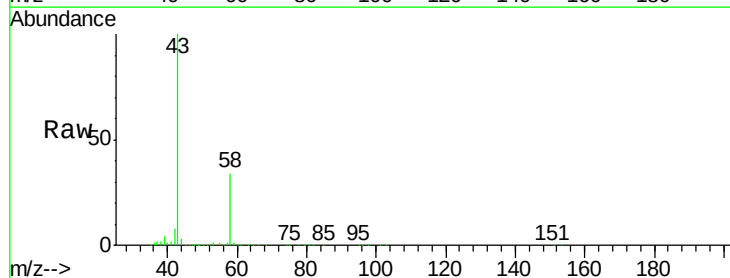
RT: 2.45 min Scan# 212

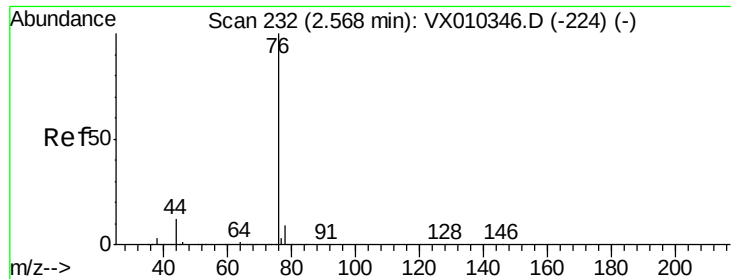
Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Tgt Ion:	43	Resp:	97236
Ion Ratio	Lower	Upper	
43	100		
58	34.0	28.9	43.3





#17

Carbon Disulfide

Concen: 13.897 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampled :

VX0703WBS01

Tot Ion: 76 Resp: 75268

Ion Ratio Lower Upper

76 100

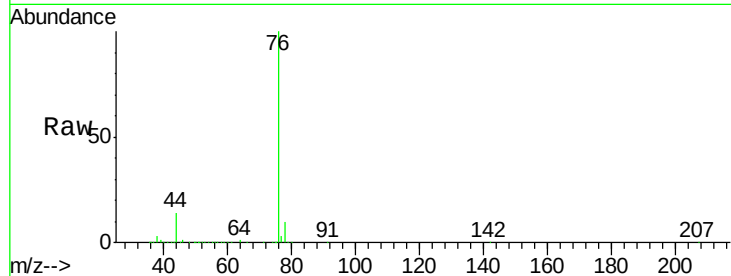
78 10.1 7.3 10.9

Manual Integrations

APPROVED

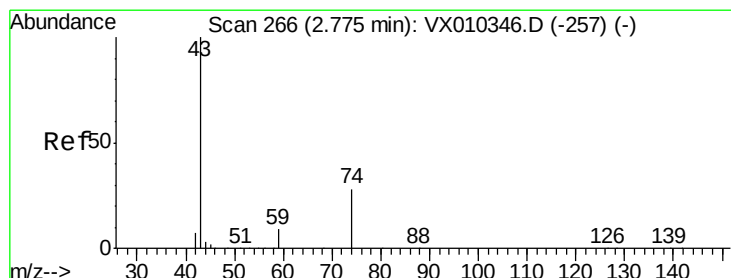
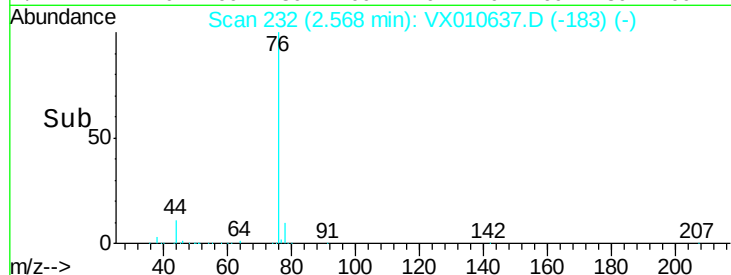
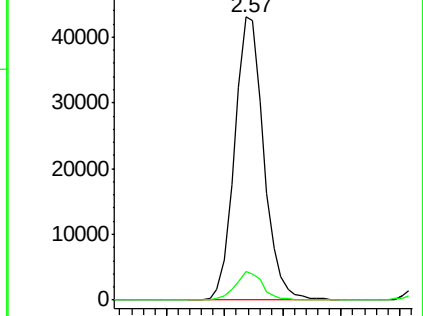
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.397 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010637.D

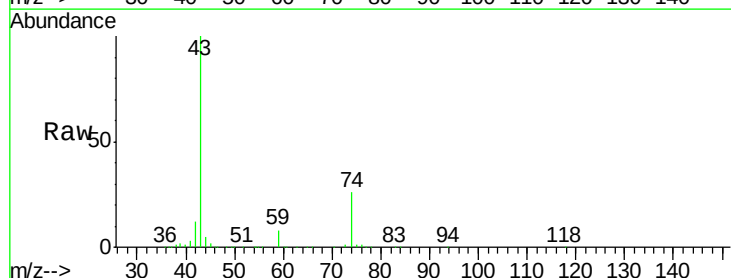
Acq: 03 Jul 2019 14:05

Tgt Ion: 43 Resp: 44492

Ion Ratio Lower Upper

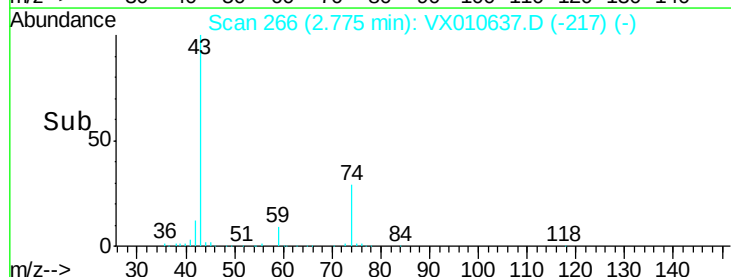
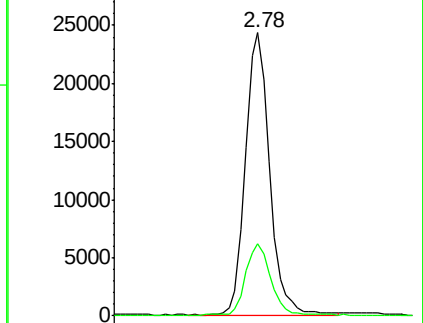
43 100

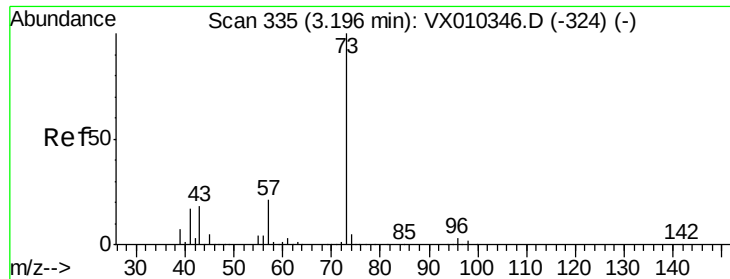
74 26.8 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





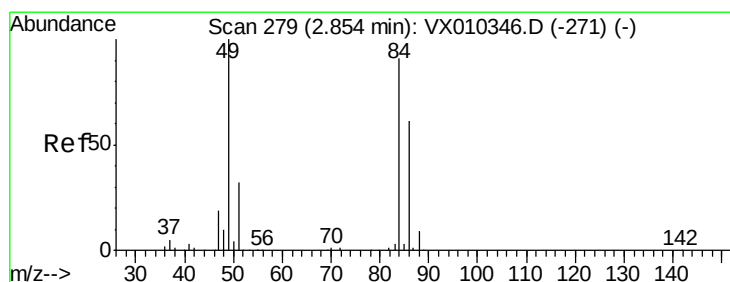
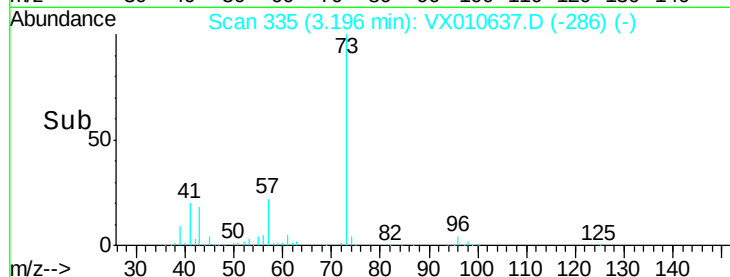
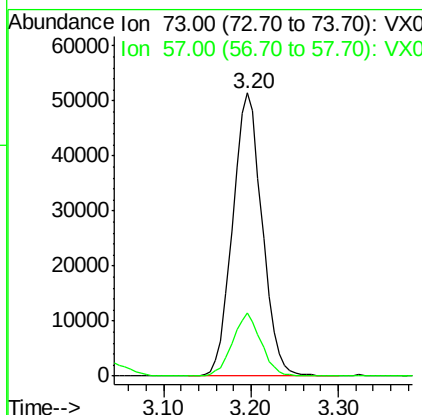
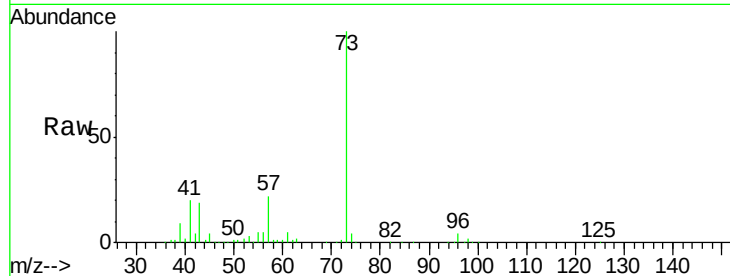
#19
Methvl tert-butvl Ether
Concen: 19.011 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion: 73 Resp: 120743
Ion Ratio Lower Upper
73 100
57 22.2 16.4 24.6

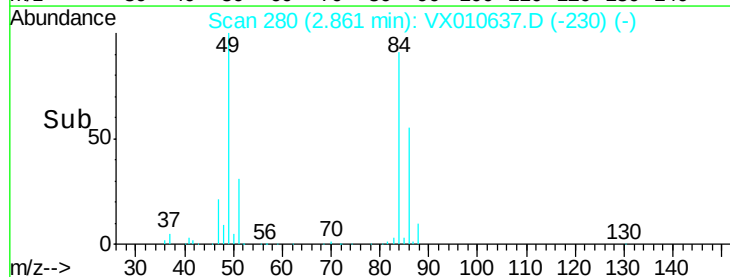
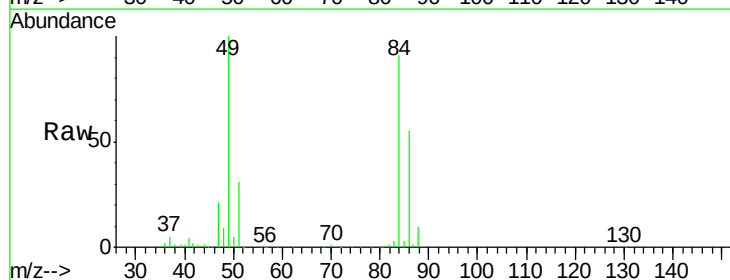
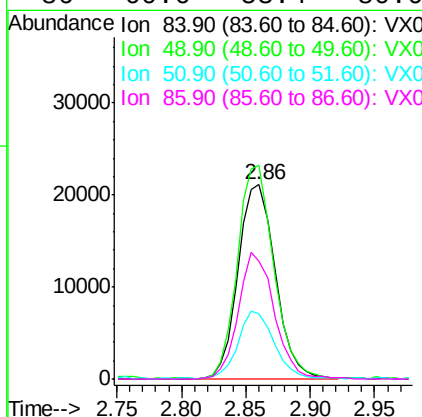
Manual Integrations
APPROVED

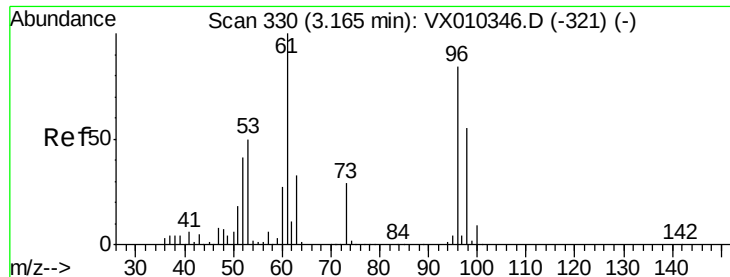
MMDadoda
7/8/2019 2:41:17 PM



#20
Methylene Chloride
Concen: 18.857 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Tgt Ion: 84 Resp: 42472
Ion Ratio Lower Upper
84 100
49 109.3 87.5 131.3
51 33.1 27.7 41.5
86 60.6 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 16.985 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion: 96 Resp: 36880

Ion Ratio Lower Upper

96 100

61 115.3 95.6 143.4

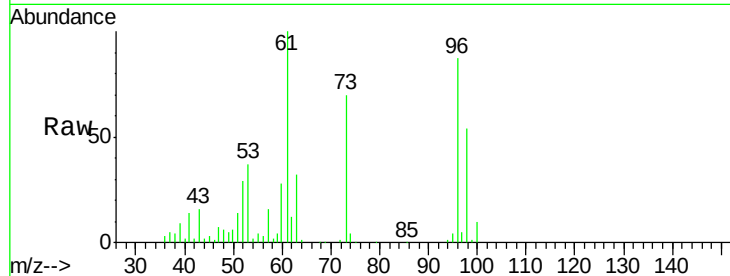
98 62.1 52.5 78.7

Manual Integrations

APPROVED

MMDadoda

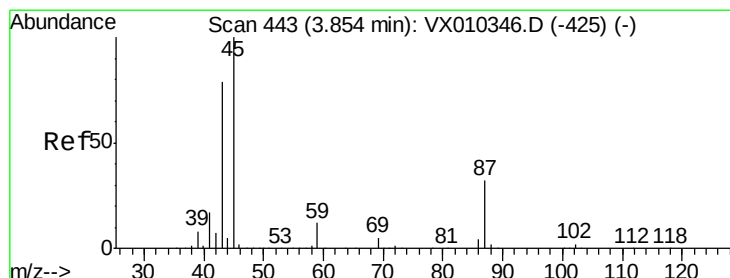
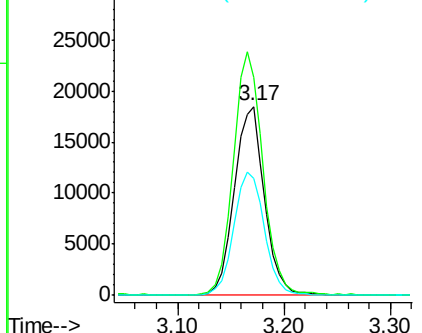
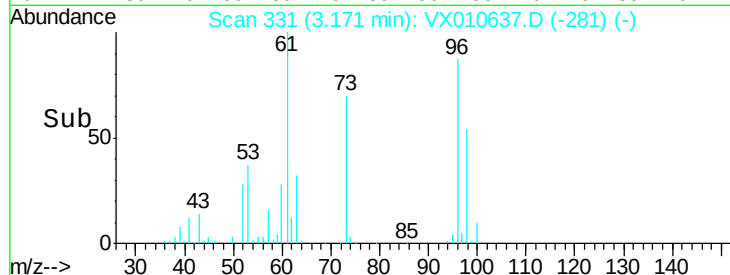
7/8/2019 2:41:17 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.569 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Tgt Ion: 45 Resp: 117266

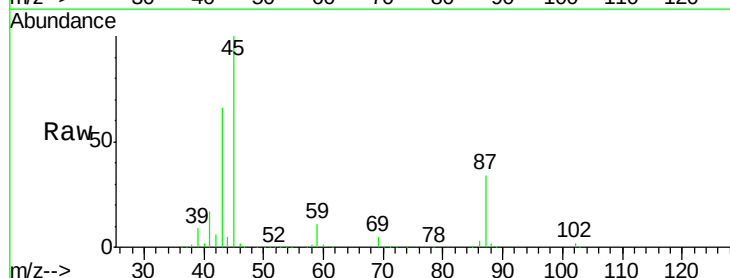
Ion Ratio Lower Upper

45 100

43 64.6 63.3 94.9

87 34.0 25.8 38.8

59 11.4 9.6 14.4

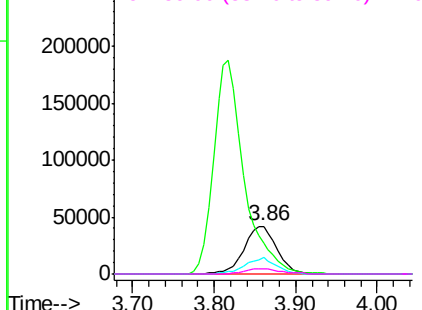
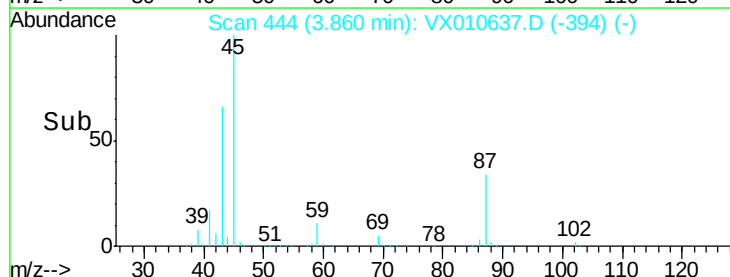


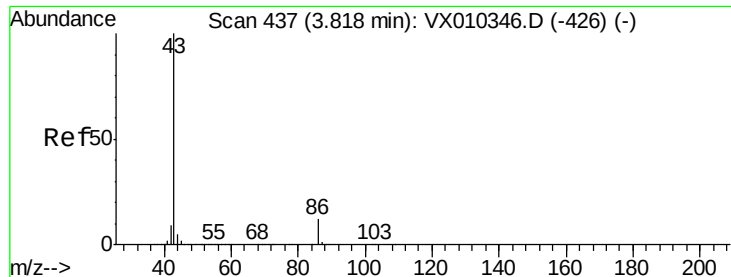
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 94.209 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion: 43 Resp: 487710

Ion Ratio Lower Upper

43 100

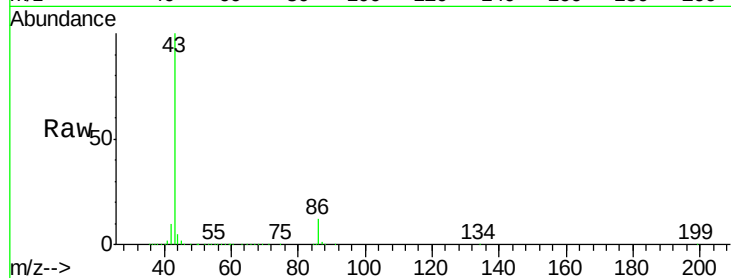
86 12.4 9.9 14.9

Manual Integrations

APPROVED

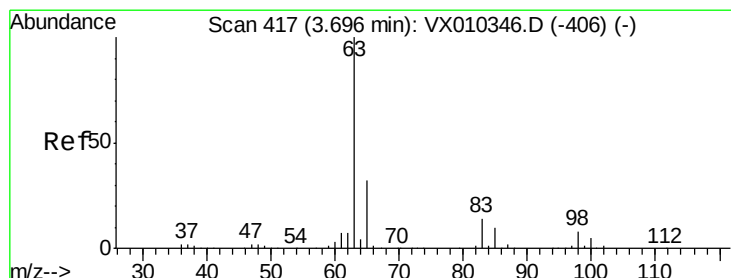
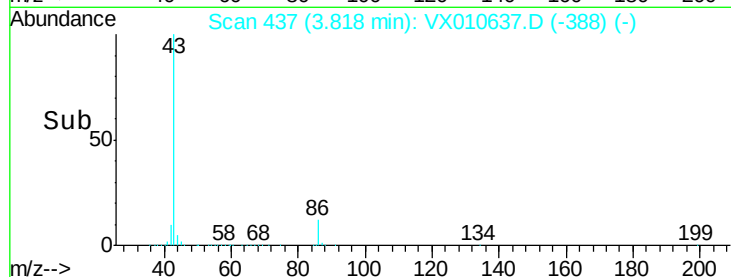
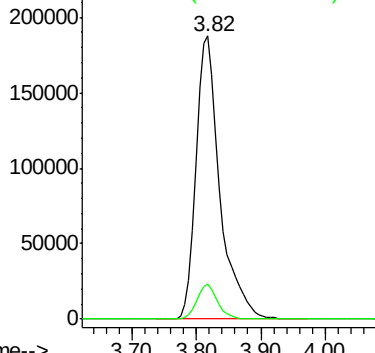
MMDadoda

7/8/2019 2:41:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.812 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

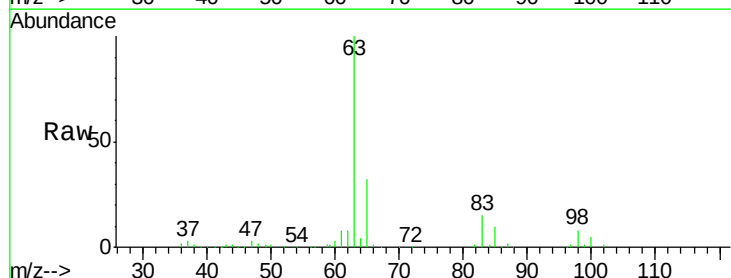
Tgt Ion: 63 Resp: 65163

Ion Ratio Lower Upper

63 100

98 8.3 3.9 11.7

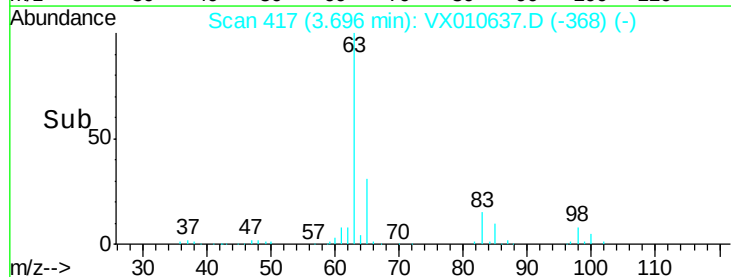
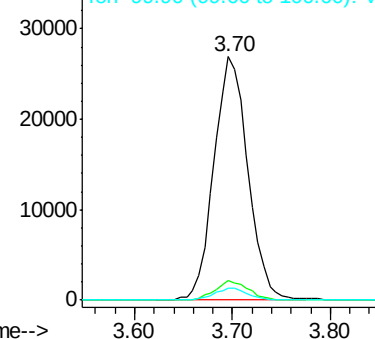
100 5.0 2.4 7.1

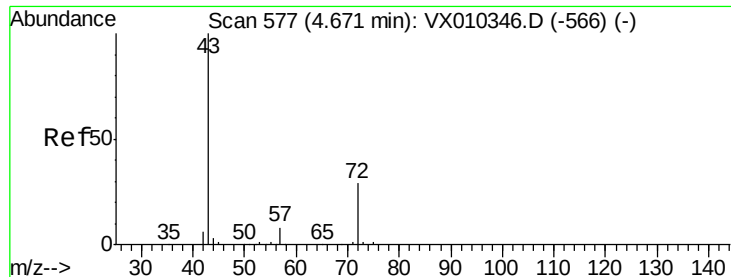


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 93.465 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion: 43 Resp: 150052

Ion Ratio Lower Upper

43 100

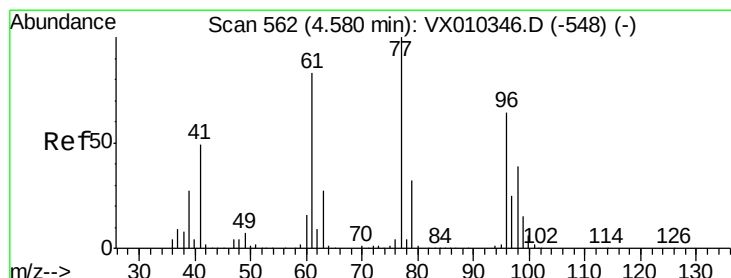
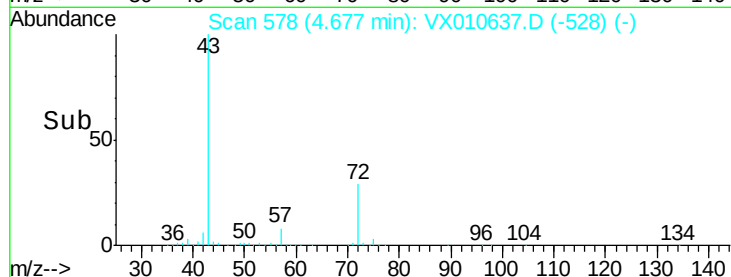
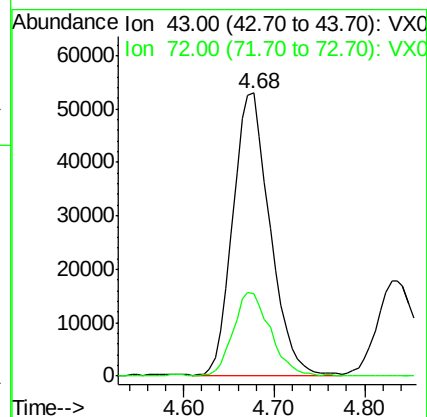
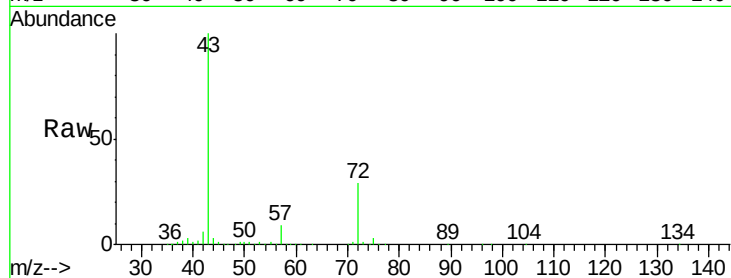
72 28.7 23.3 34.9

Manual Integrations

APPROVED

MMDadoda

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#26

2,2-Dichloropropane

Concen: 17.398 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010637.D

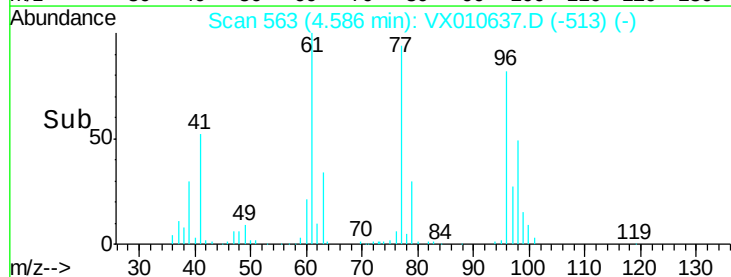
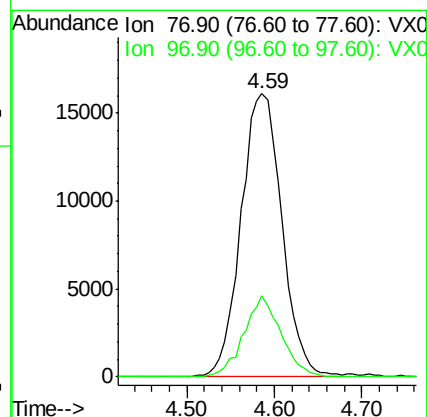
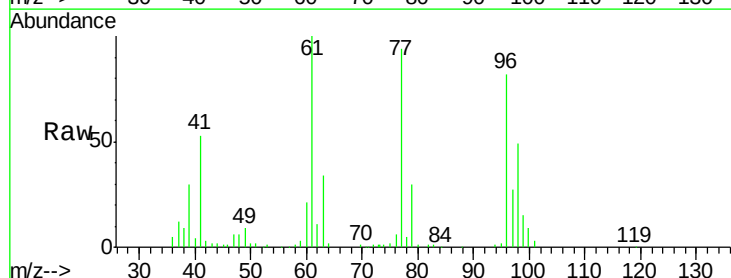
Acq: 03 Jul 2019 14:05

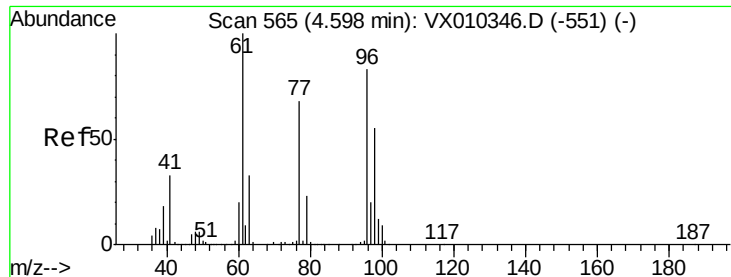
Tgt Ion: 77 Resp: 52353

Ion Ratio Lower Upper

77 100

97 26.0 13.1 39.3





#27

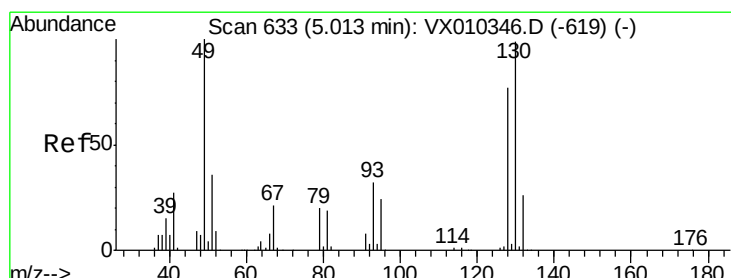
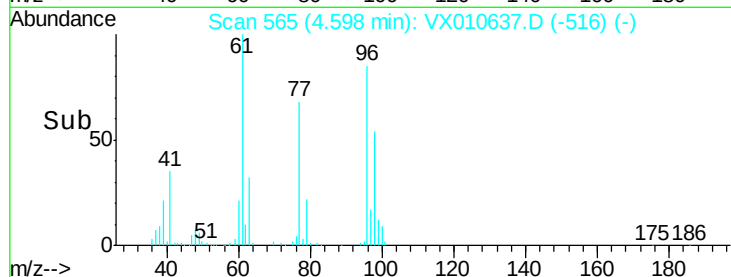
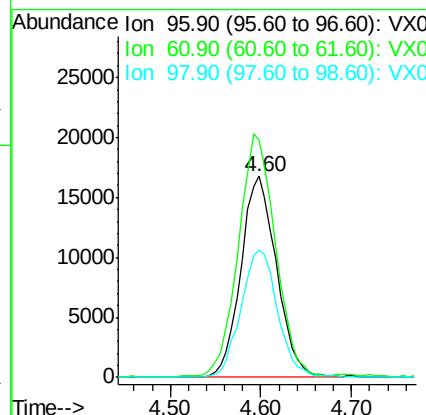
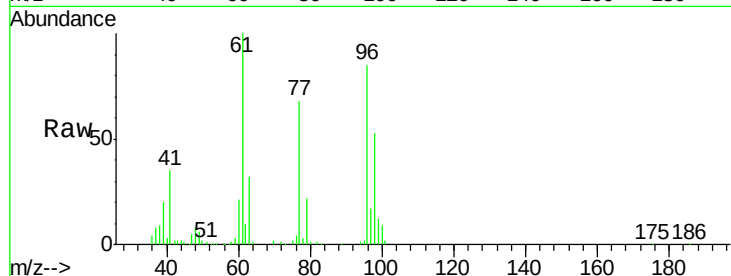
cis-1,2-Dichloroethene
Concen: 18.250 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Instrument :
MSVOA_X
ClientSampled :
VX0703WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.5	0.0	251.8
98	64.9	0.0	129.4

Manual Integrations
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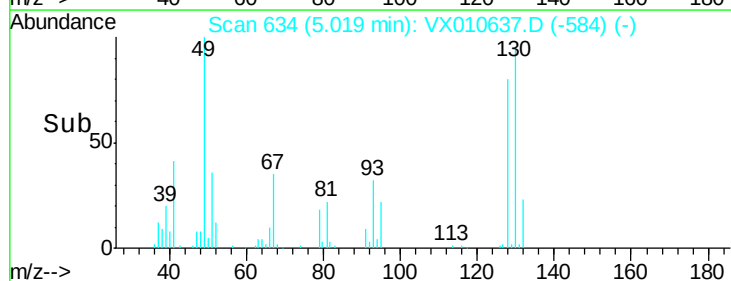
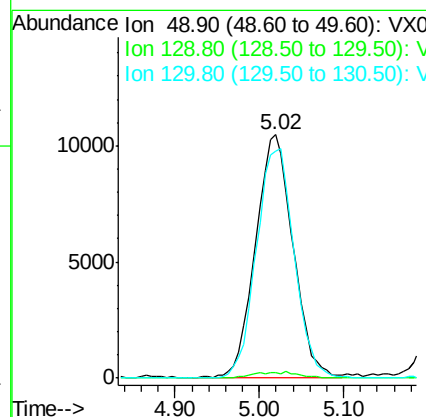
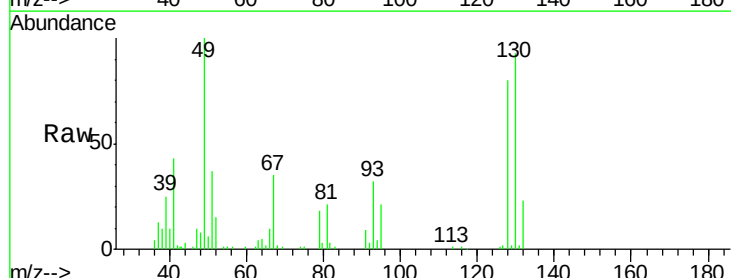
MMDadoda
7/8/2019 2:41:17 PM

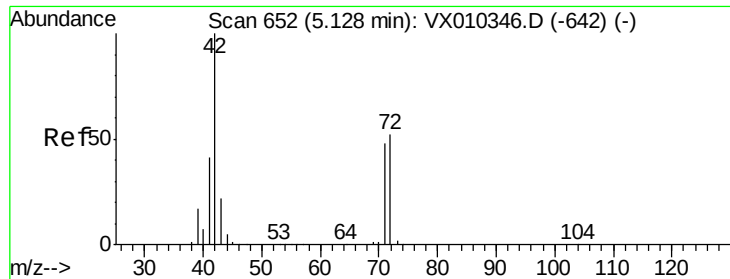


#28

Bromochloromethane
Concen: 19.315 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.6
130	94.9	81.4	122.0





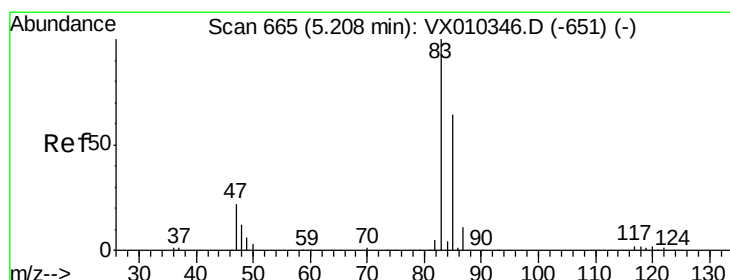
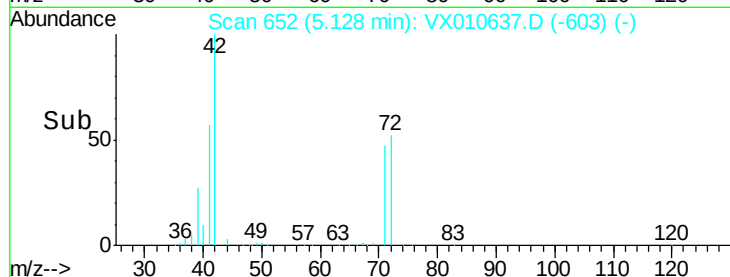
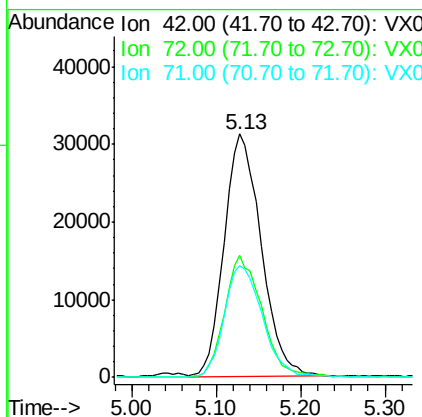
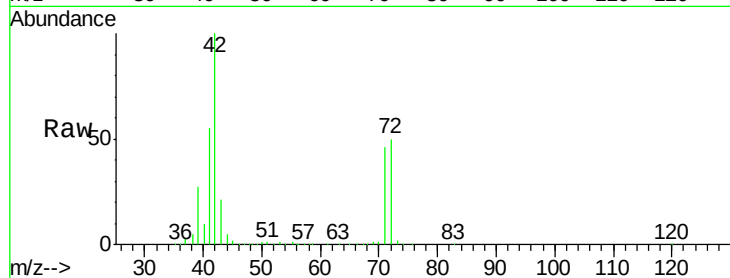
#29
Tetrahydrofuran
Concen: 93.604 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion:	42	Resp:	93081
Ion	Ratio	Lower	Upper
42	100		
72	51.1	40.6	60.8
71	47.8	37.8	56.8

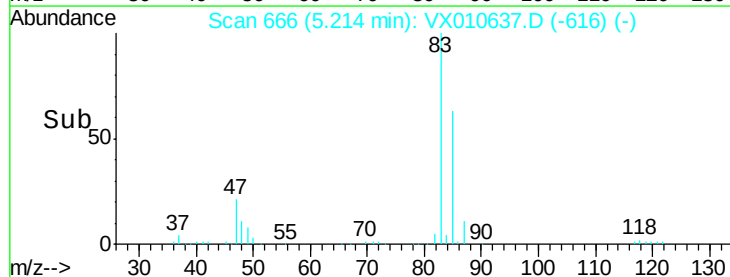
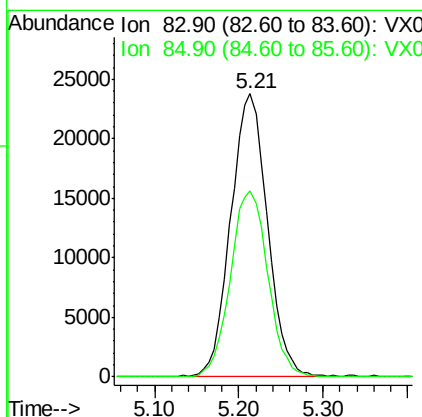
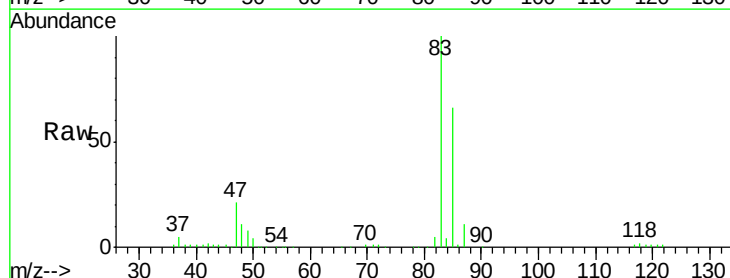
Manual Integrations
APPROVED

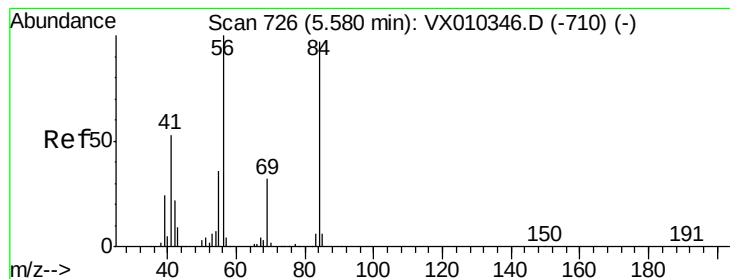
MMDadoda
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#30
Chloroform
Concen: 18.890 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Tgt Ion:	83	Resp:	70403
Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.9	76.3





#31

Cyclohexane

Concen: 17.603 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

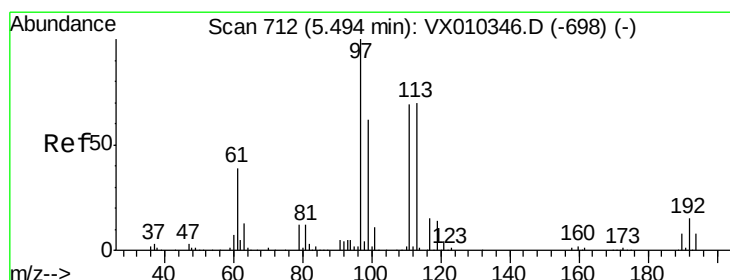
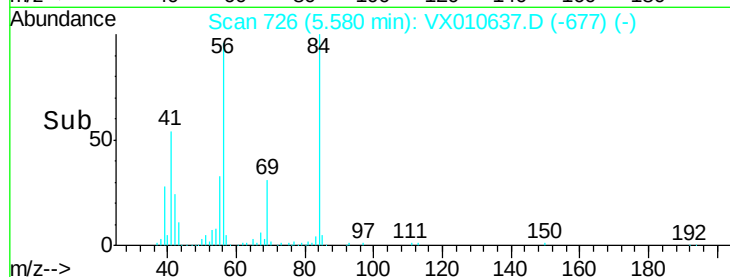
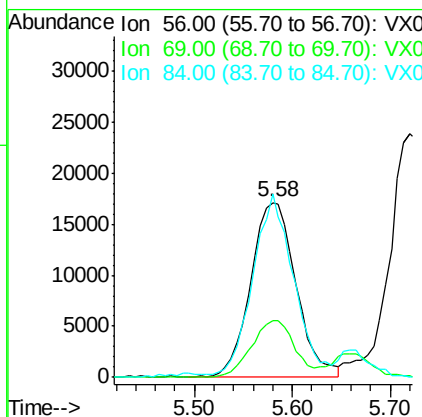
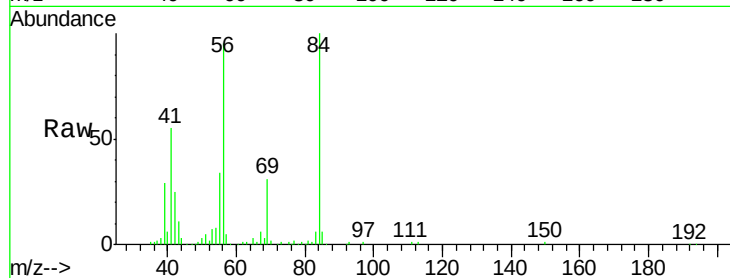
ClientSampleId :

VX0703WBS01

Tot Ion:	56	Resp:	55527
Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.9	38.9
84	102.8	78.0	117.0

Manual Integrations
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7/8/2019 2:41:17 PM



#32

1,1,1-Trichloroethane

Concen: 18.067 ug/l

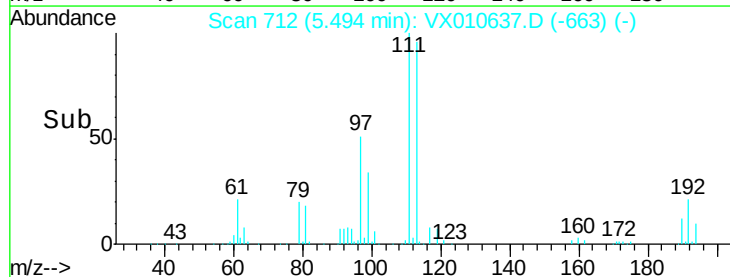
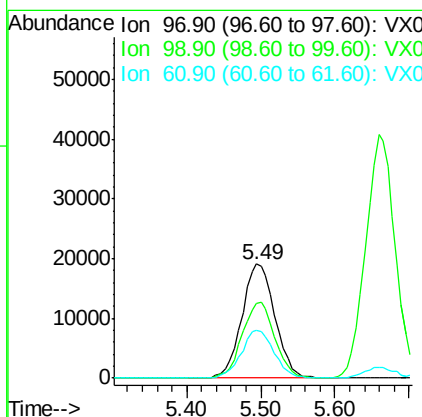
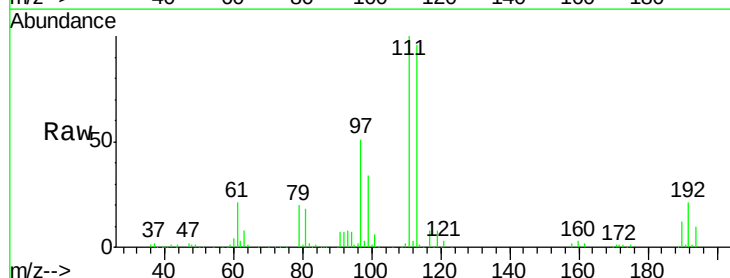
RT: 5.49 min Scan# 712

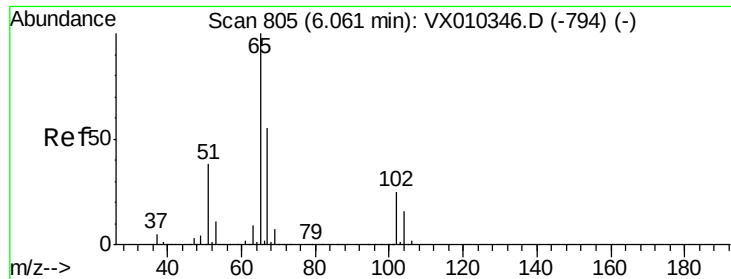
Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Tgt Ion:	97	Resp:	59458
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.8	77.8
61	41.8	32.1	48.1





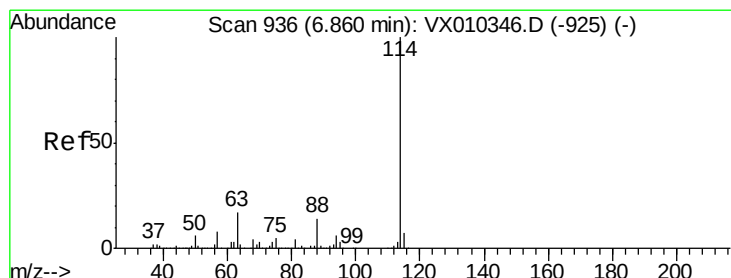
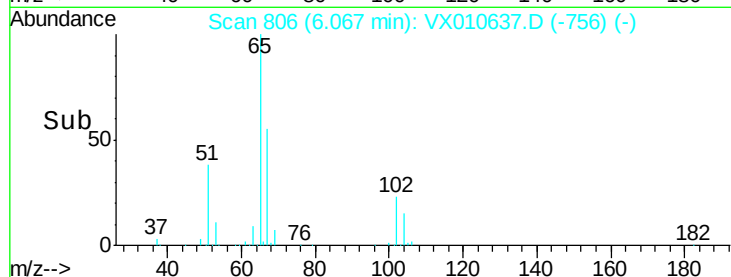
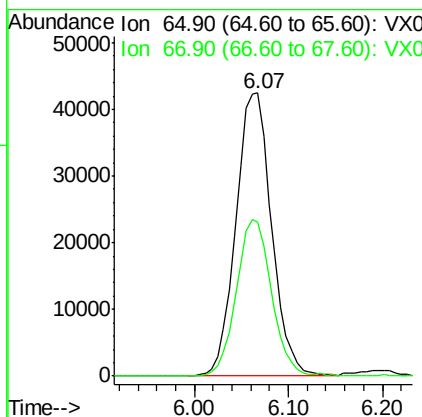
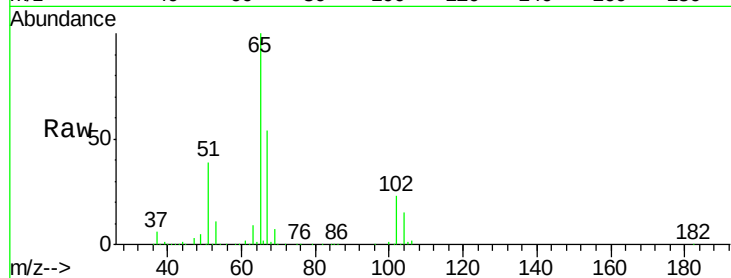
#33
 1,2-Dichloroethane-d4
 Concen: 51.512 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX010637.D
 Acq: 03 Jul 2019 14:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	112492		
67	54.8	0.0	110.2	

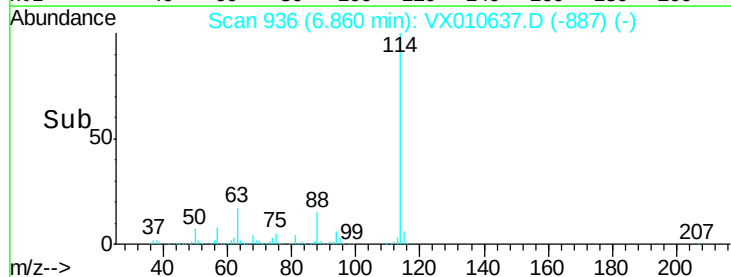
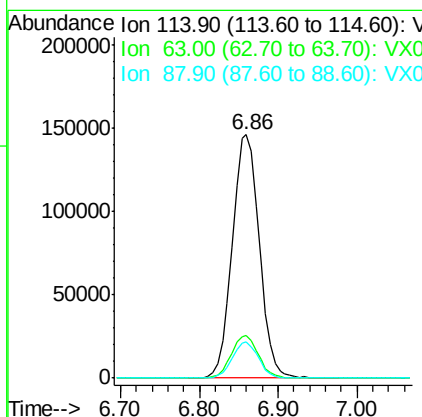
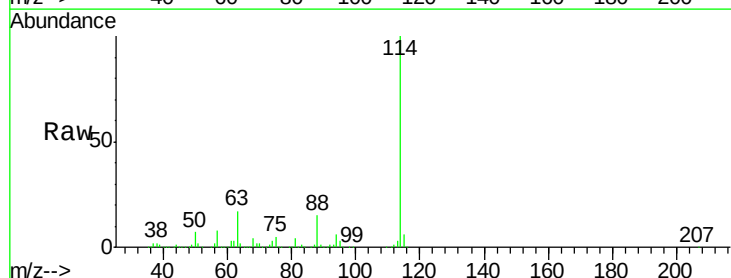
Manual Integrations
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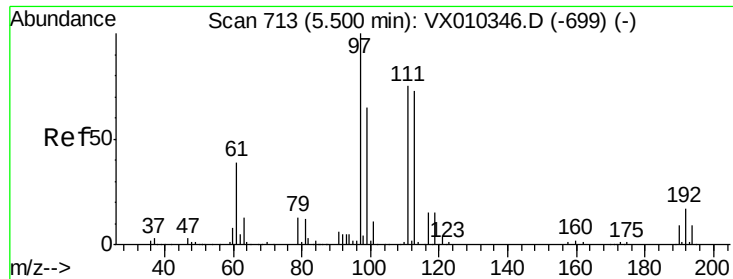
MMDadoda
 7/8/2019 2:41:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010637.D
 Acq: 03 Jul 2019 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	348785		
63	17.5	0.0	33.8	
88	14.9	0.0	27.6	





#35

Dibromofluoromethane

Concen: 50.588 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampled :

VX0703WBS01

Tot Ion:113 Resp: 107955
Ion Ratio Lower Upper

113 100

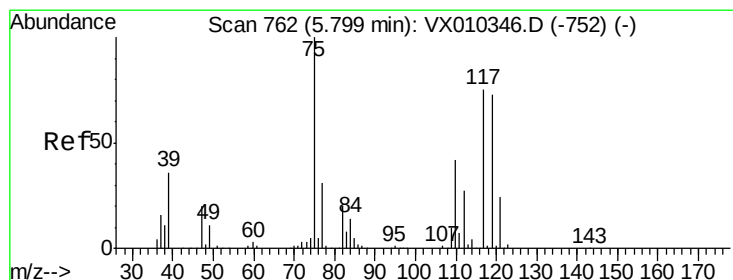
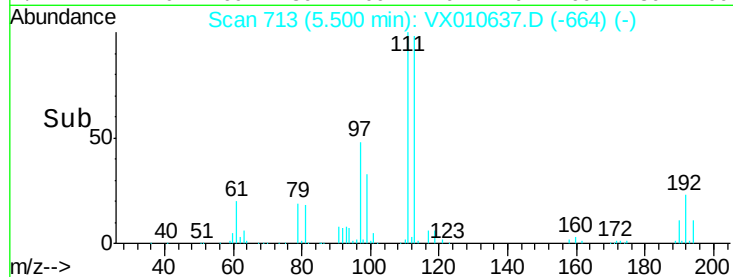
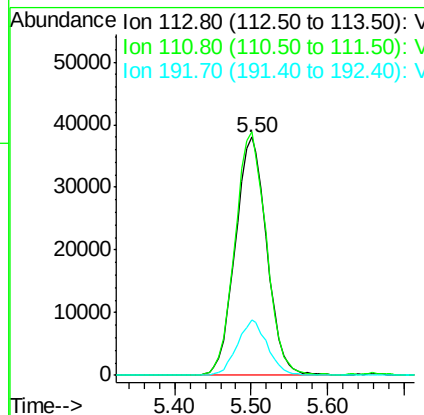
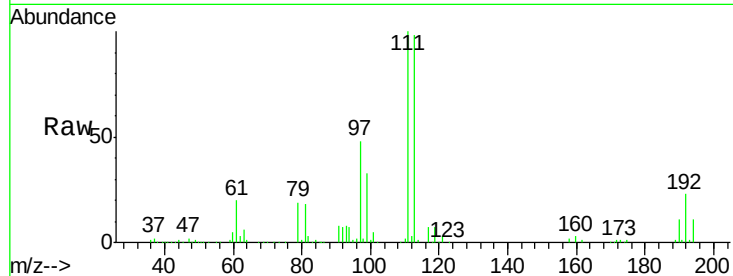
111 102.0 81.2 121.8

192 22.4 18.6 27.8

Manual Integrations
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7/8/2019 2:41:17 PM



#36

1,1-Dichloropropene

Concen: 17.078 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX010637.D

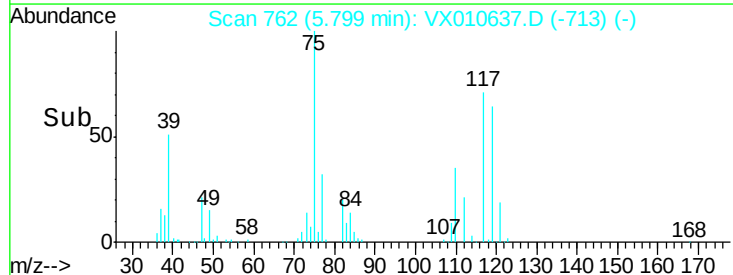
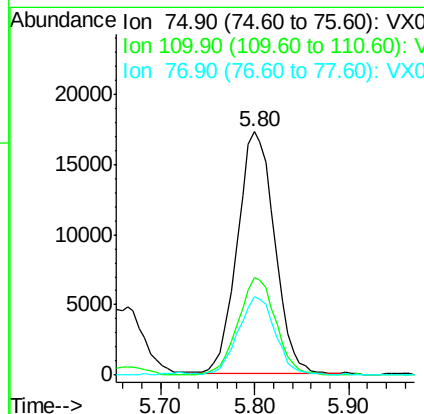
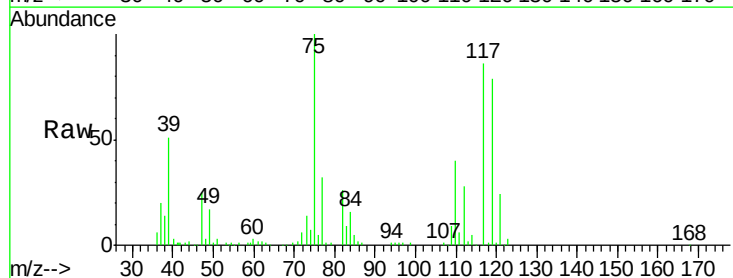
Acq: 03 Jul 2019 14:05

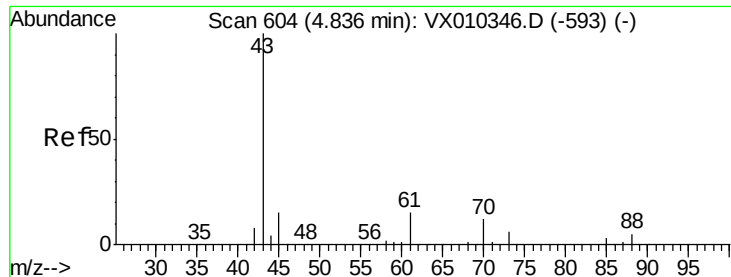
Tgt Ion: 75 Resp: 47334
Ion Ratio Lower Upper

75 100

110 40.9 20.8 62.2

77 32.7 25.4 38.0





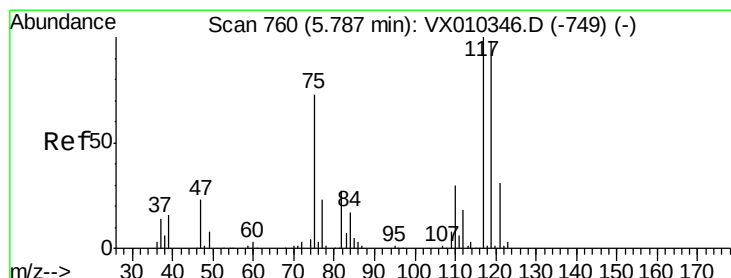
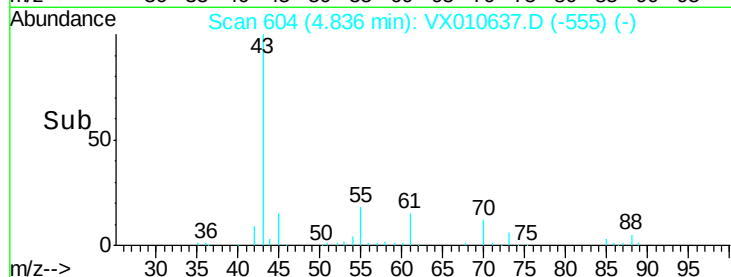
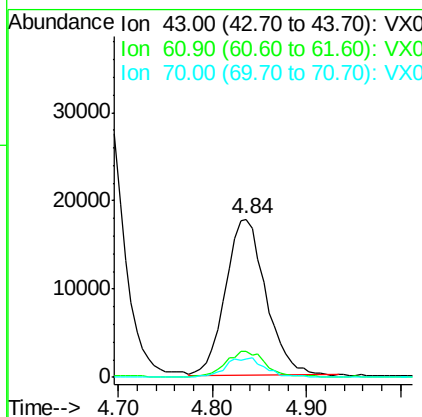
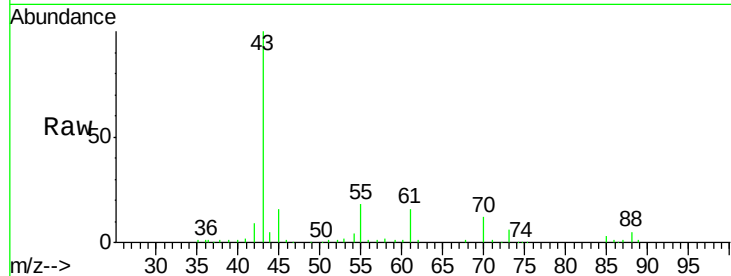
#37
Ethyl Acetate
Concen: 18.580 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	12.4	18.6
70	12.5	9.8	14.8

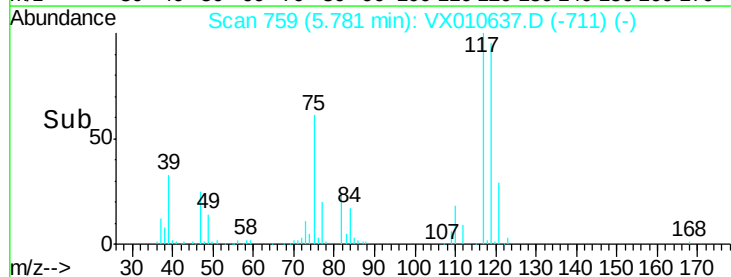
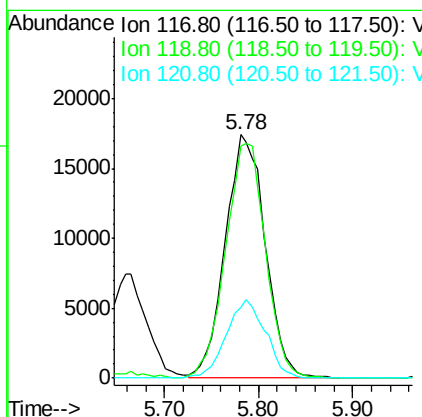
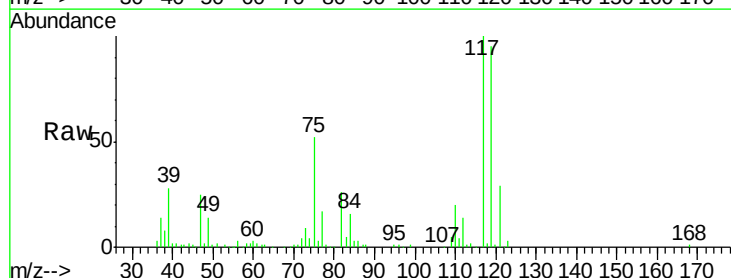
Manual Integrations
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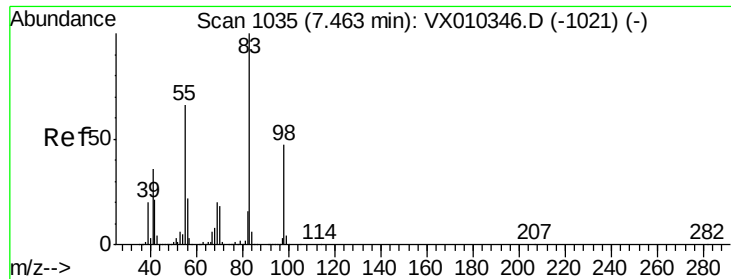
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7/8/2019 2:41:17 PM



#38
Carbon Tetrachloride
Concen: 17.088 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	78.2	117.4
121	29.1	24.7	37.1





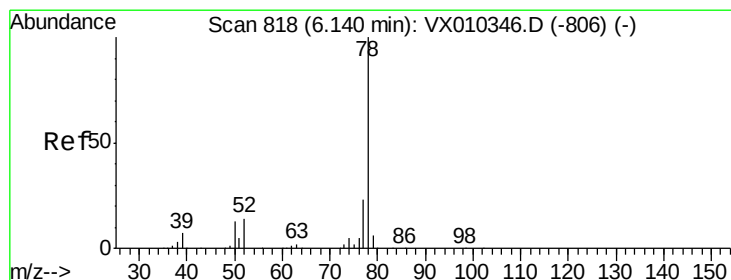
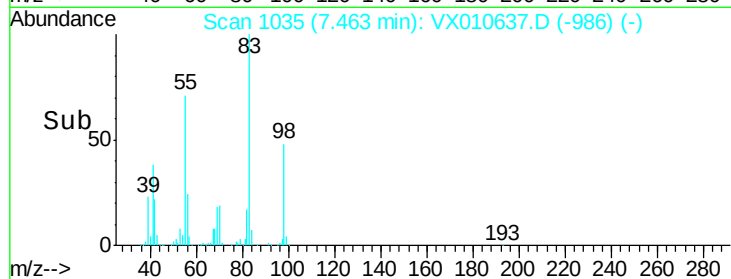
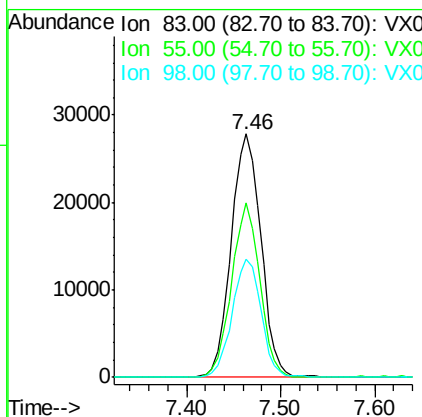
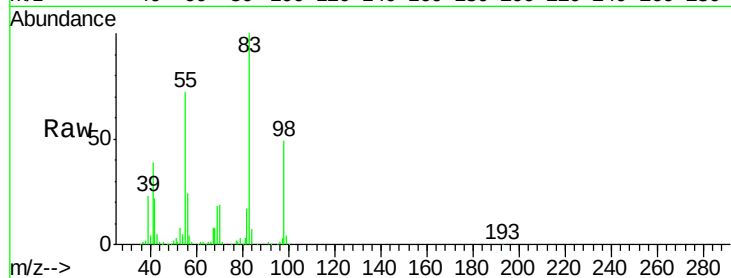
#39
Methylvlcyclohexane
Concen: 16.853 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.5	53.0	79.6
98	48.6	37.8	56.8

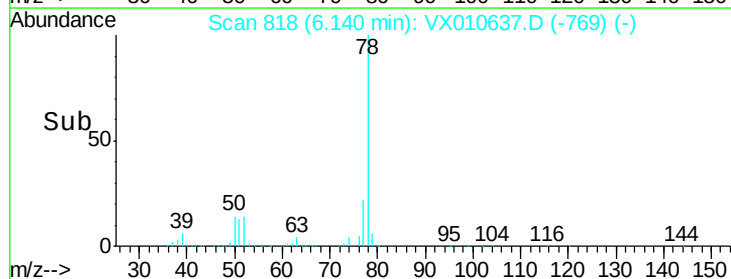
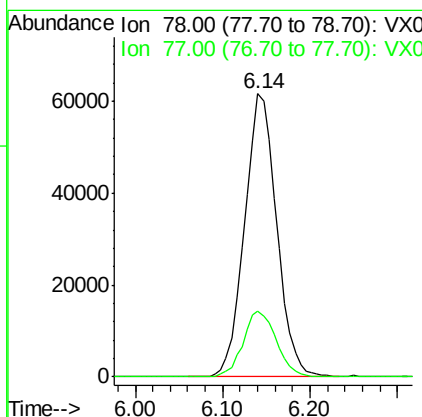
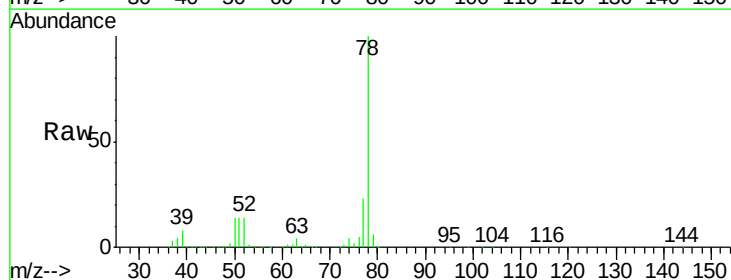
Manual Integrations
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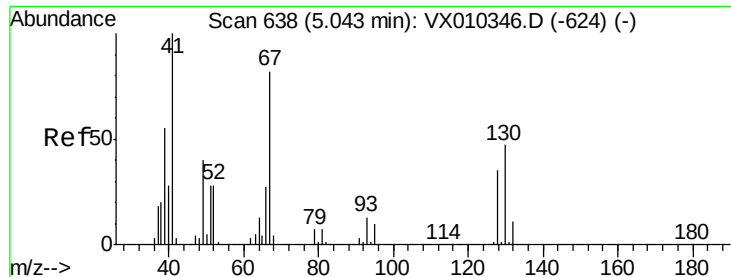
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7/8/2019 2:41:17 PM



#40
Benzene
Concen: 18.139 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	28.0





#41

Methacrylonitrile

Concen: 18.645 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion: 41 Resp: 29170

Ion Ratio Lower Upper

41 100

39 57.5 43.8 65.8

67 84.7 66.6 100.0

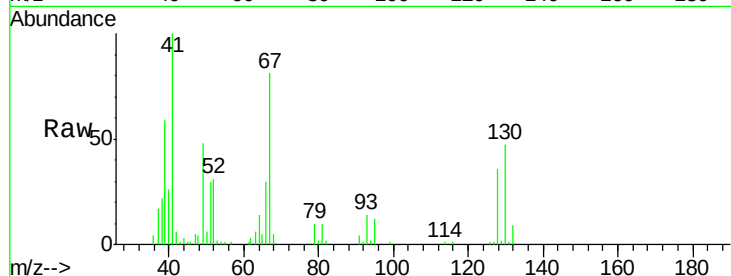
52 33.8 24.5 36.7

Manual Integrations

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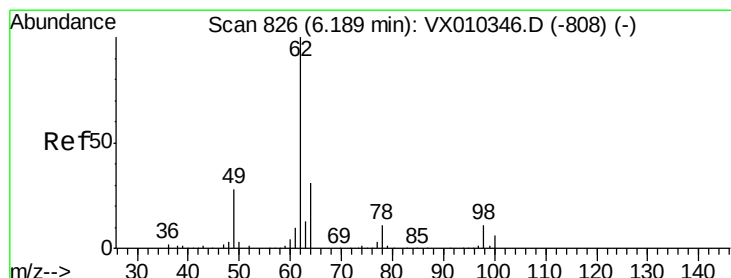
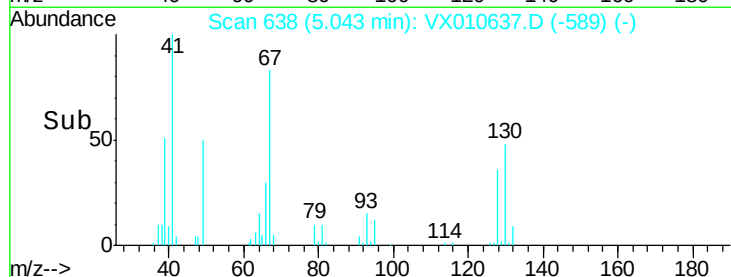
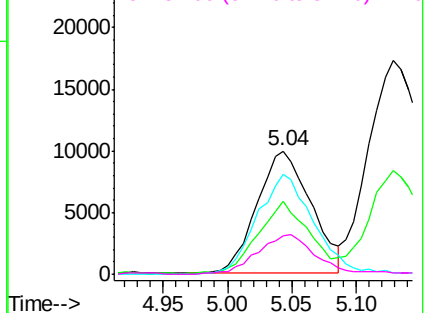
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.817 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX010637.D

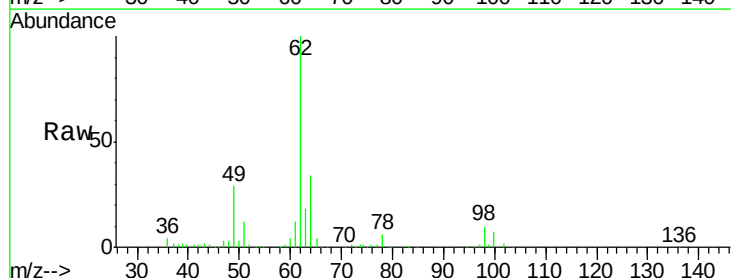
Acq: 03 Jul 2019 14:05

Tgt Ion: 62 Resp: 52088

Ion Ratio Lower Upper

62 100

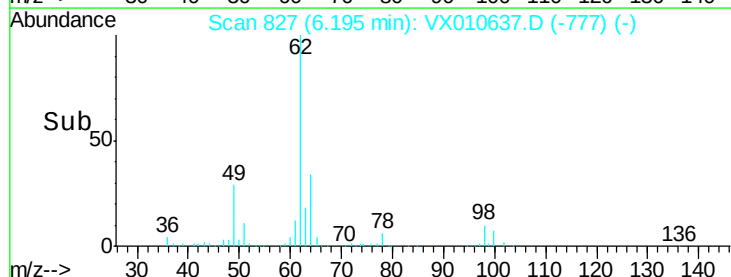
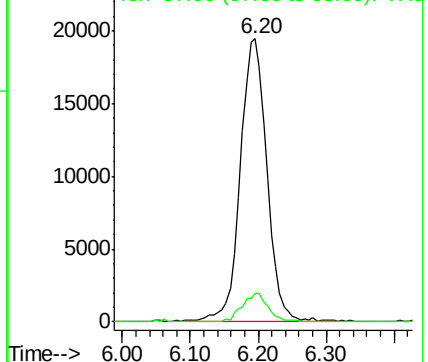
98 10.1 0.0 22.2

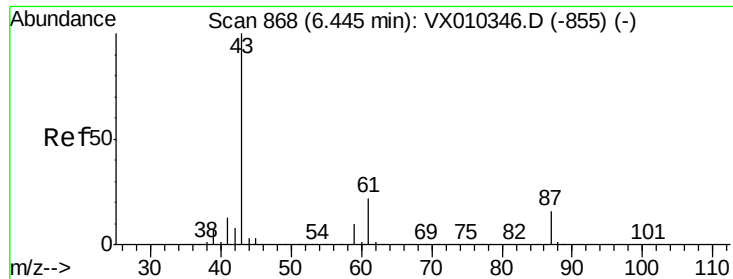


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 18.601 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

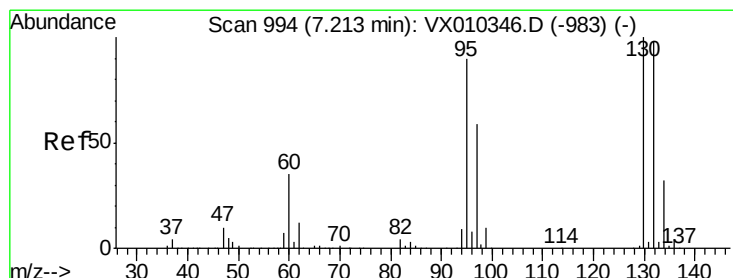
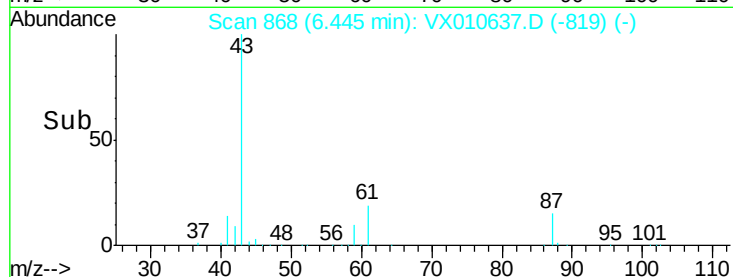
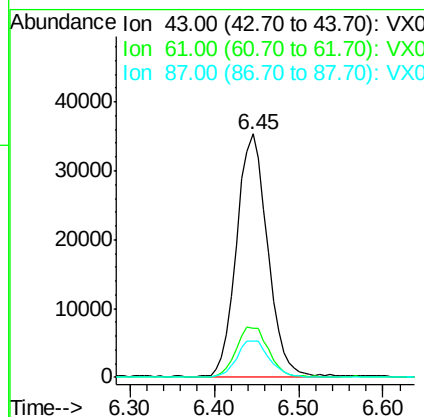
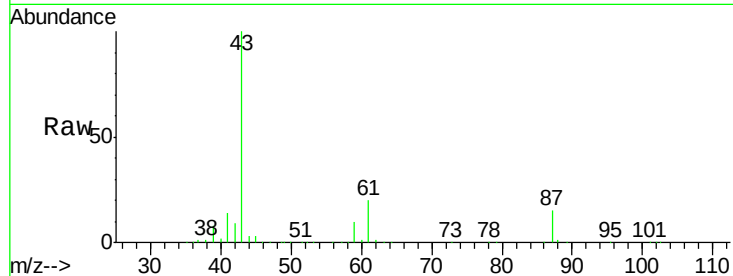
ClientSampleId :

VX0703WBS01

Tot Ion:	43	Resp:	87748
Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.8	26.6
87	15.8	13.0	19.4

Manual Integrations
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7/8/2019 2:41:17 PM



#44

Trichloroethene

Concen: 17.607 ug/l

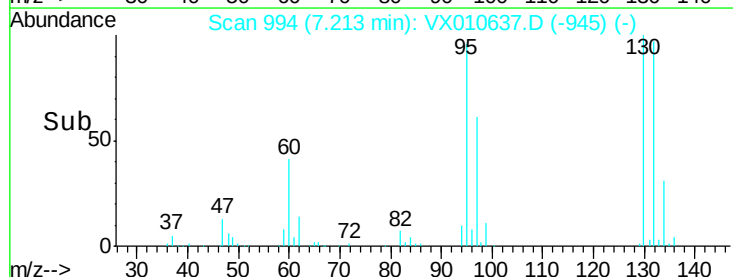
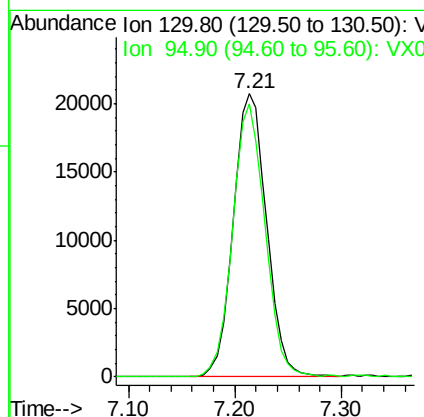
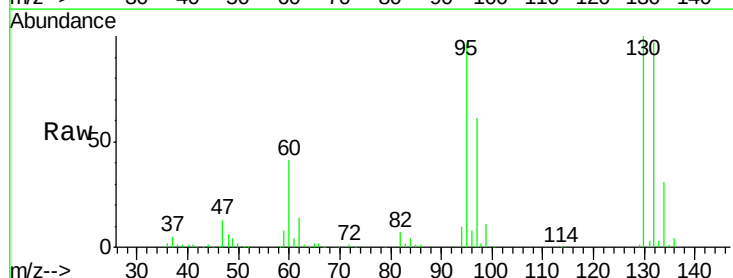
RT: 7.21 min Scan# 994

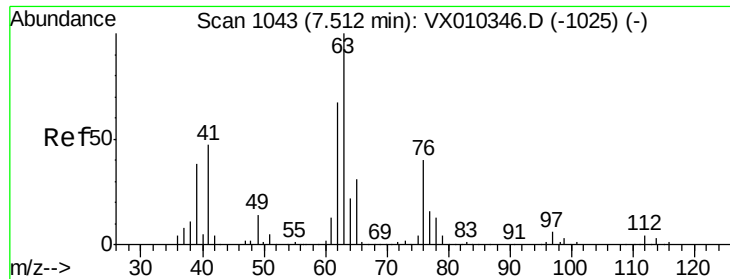
Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Tgt Ion:	130	Resp:	45492
Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	180.8





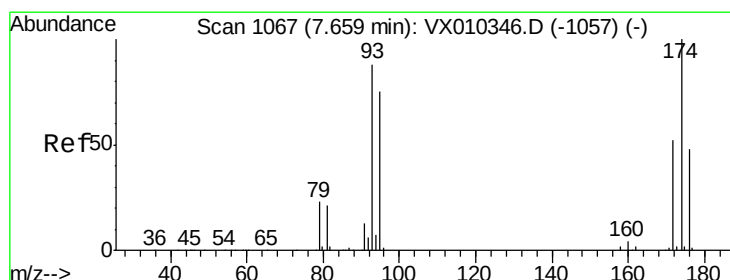
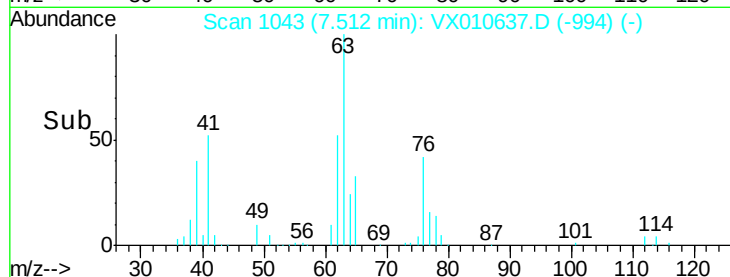
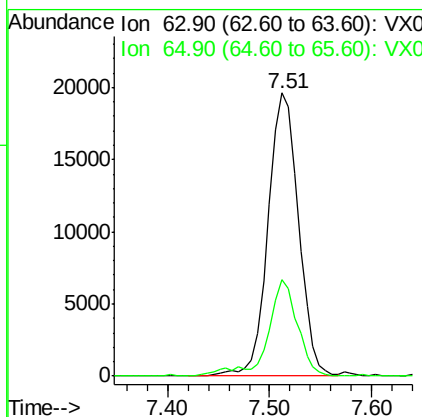
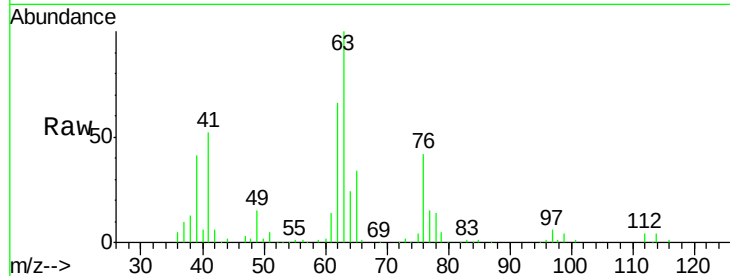
#45
 1,2-Dichloropropane
 Concen: 18.611 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010637.D
 Acq: 03 Jul 2019 14:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBS01

Tot Ion: 63 Resp: 40582
 Ion Ratio Lower Upper
 63 100
 65 34.0 24.8 37.2

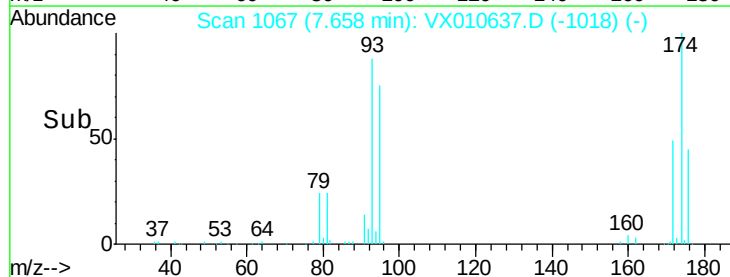
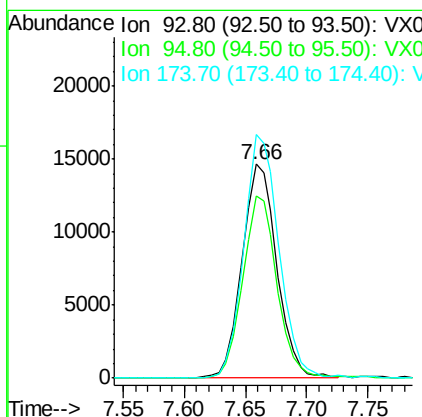
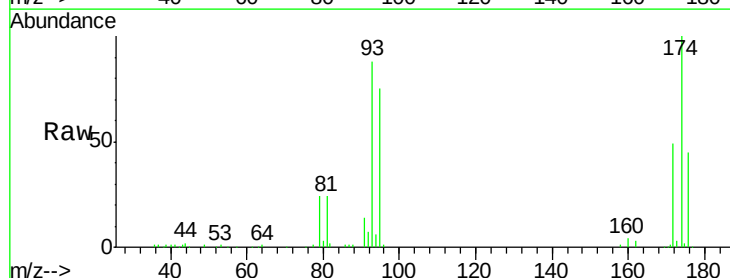
Manual Integrations
 APPROVED

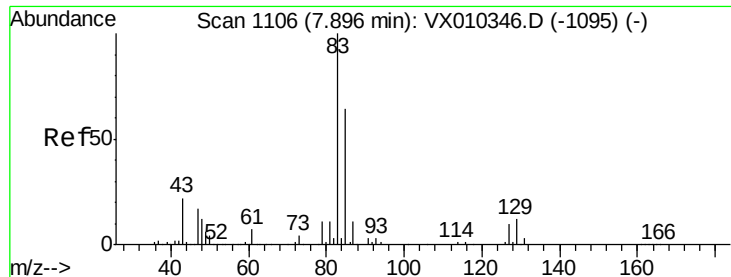
MMDadoda
 7/8/2019 2:41:17 PM



#46
 Dibromomethane
 Concen: 18.509 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010637.D
 Acq: 03 Jul 2019 14:05

Tgt Ion: 93 Resp: 28957
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.5 101.3
 174 115.1 95.8 143.6





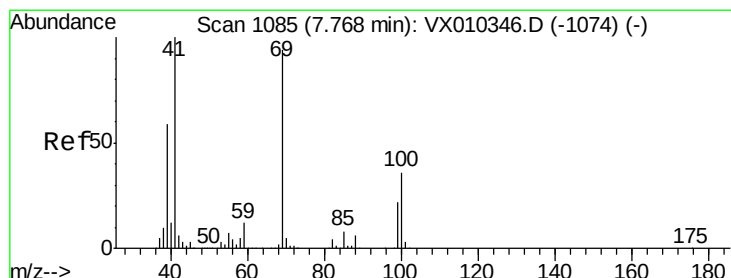
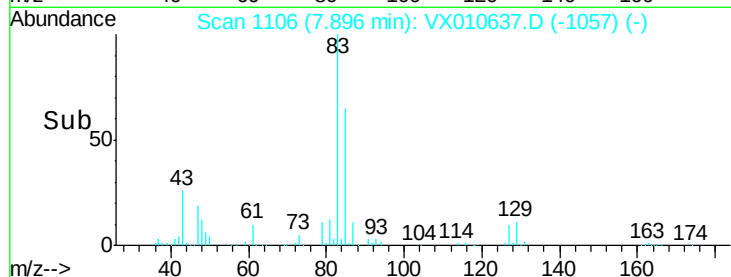
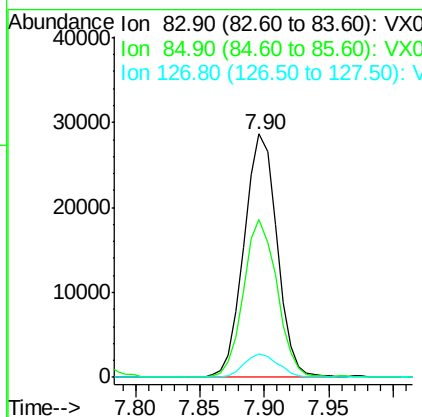
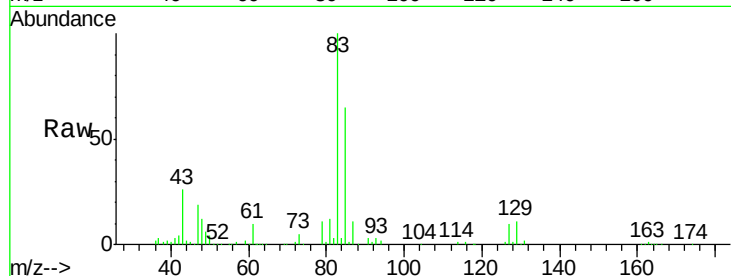
#47
Bromodichloromethane
Concen: 17.707 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion	83	Resp	50768
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	51.5	77.3
127	9.8	7.8	11.8

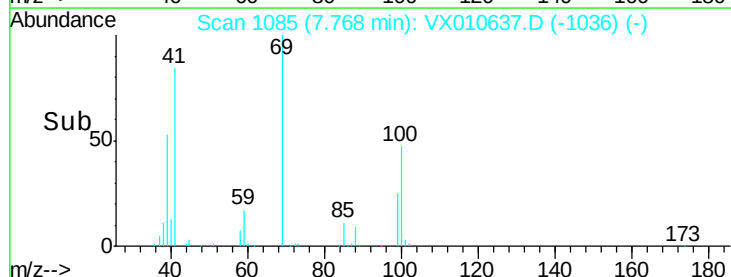
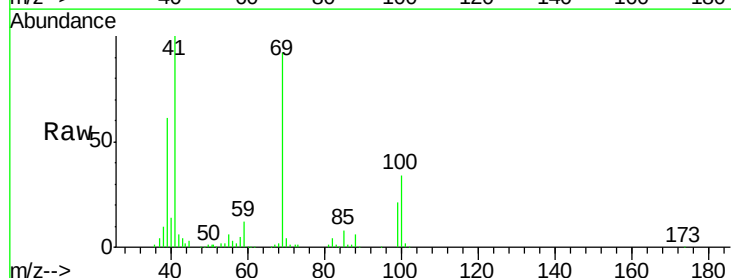
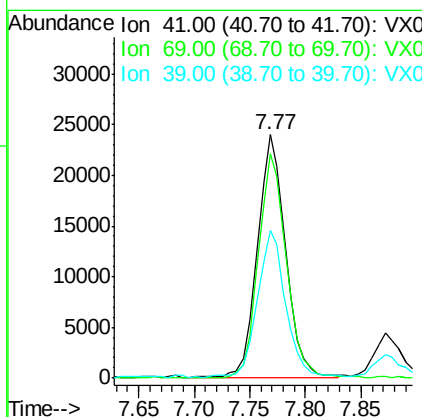
Manual Integrations
APPROVED

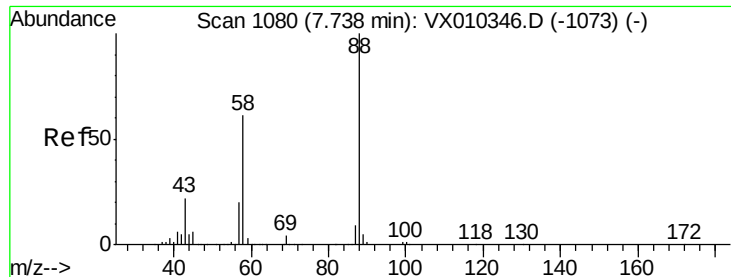
MMDadoda
7/8/2019 2:41:17 PM



#48
Methyl methacrylate
Concen: 19.168 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Tgt Ion	41	Resp	42031
Ion Ratio	100	Lower	Upper
41	100		
69	93.1	76.1	114.1
39	60.6	47.6	71.4





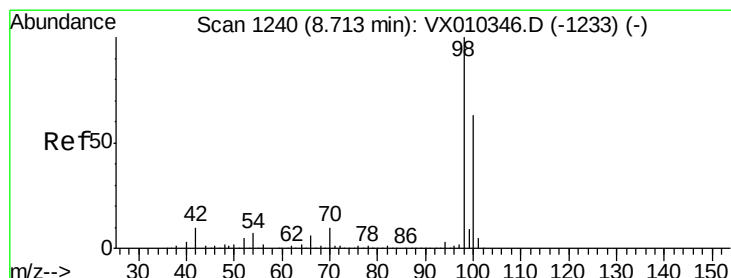
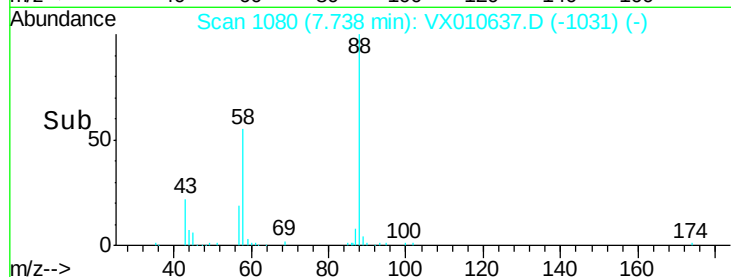
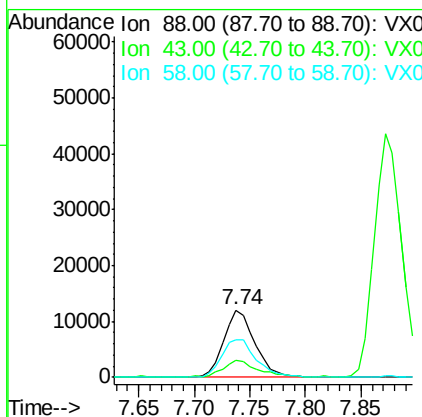
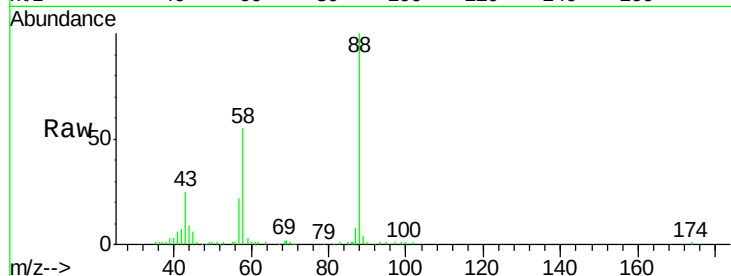
#49
1,4-Dioxane
Concen: 368.795 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.7	20.2	30.2
58	63.0	49.5	74.3

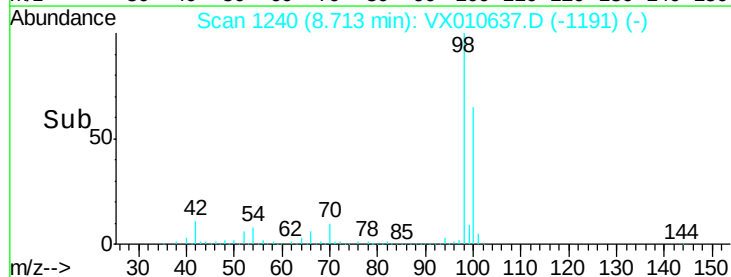
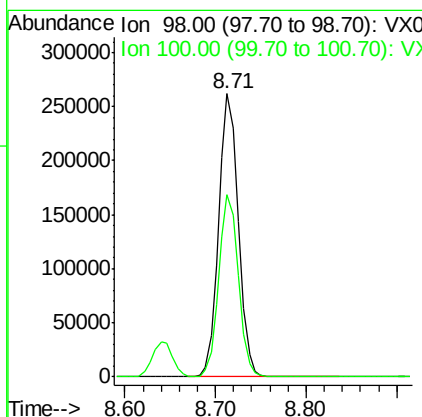
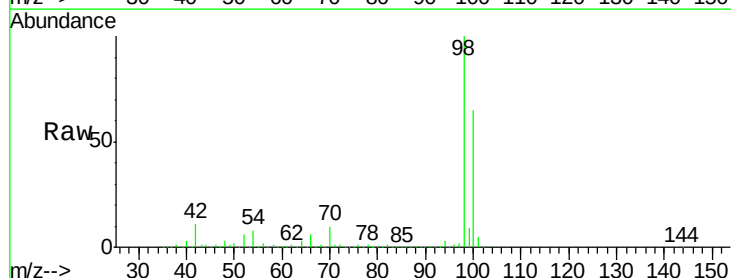
Manual Integrations
APPROVED

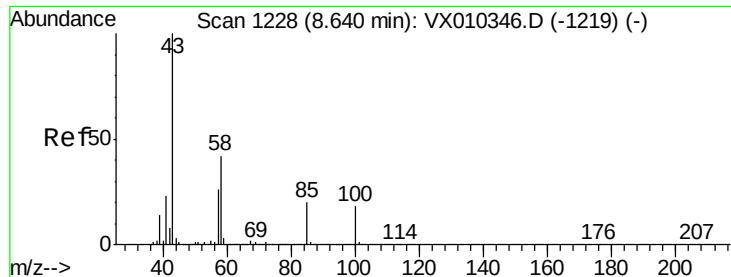
MMDadoda
7/8/2019 2:41:17 PM



#50
Toluene-d8
Concen: 48.578 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 96.743 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion: 43 Resp: 291886

Ion Ratio Lower Upper

43 100

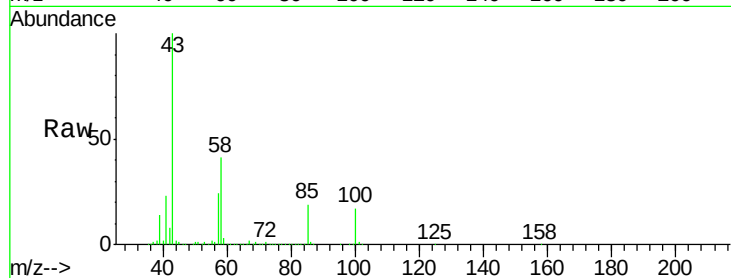
58 41.3 33.5 50.3

Manual Integrations

APPROVED

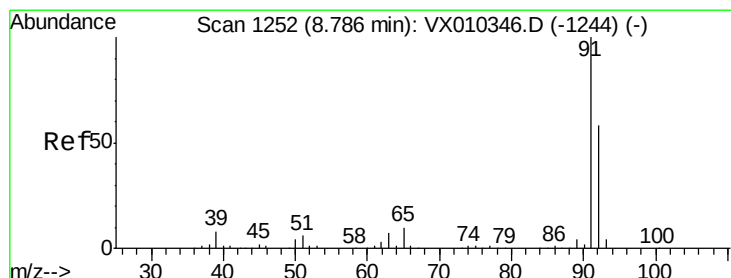
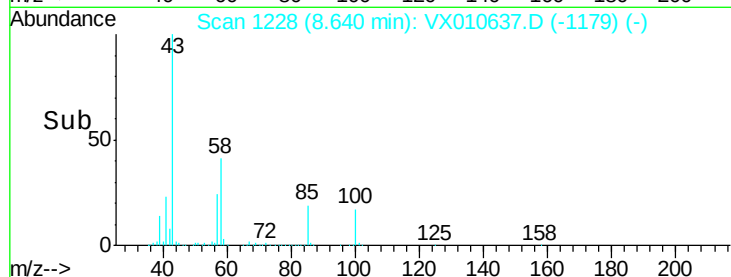
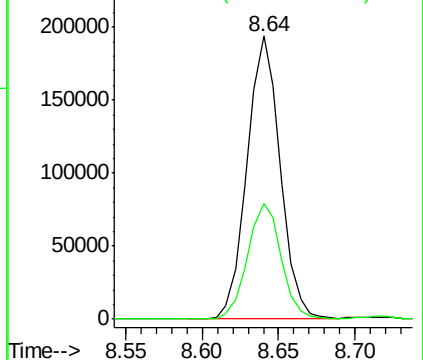
MMDadoda

7/8/2019 2:41:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 17.986 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX010637.D

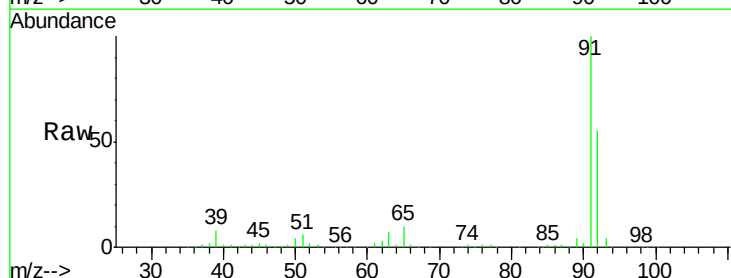
Acq: 03 Jul 2019 14:05

Tgt Ion: 92 Resp: 102279

Ion Ratio Lower Upper

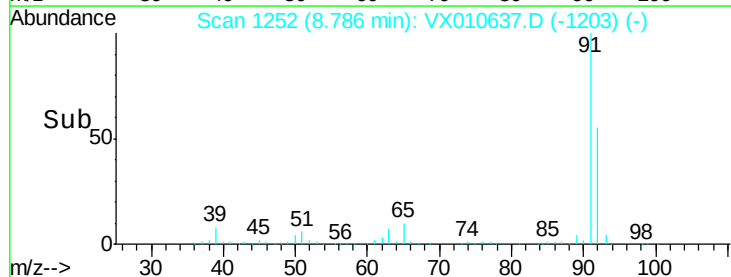
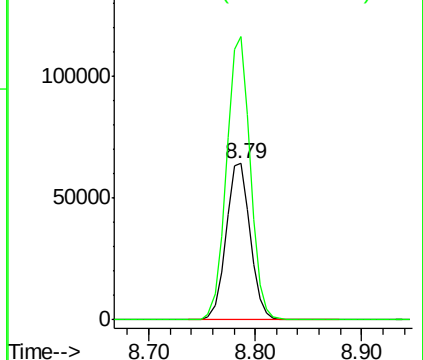
92 100

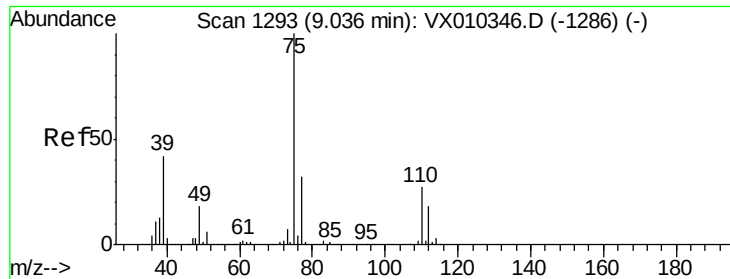
91 178.2 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





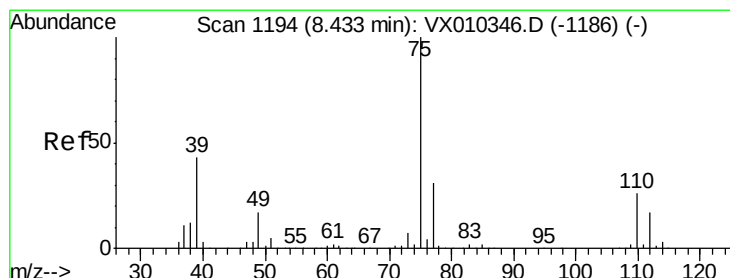
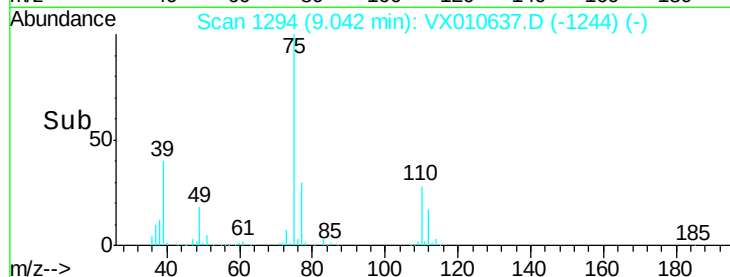
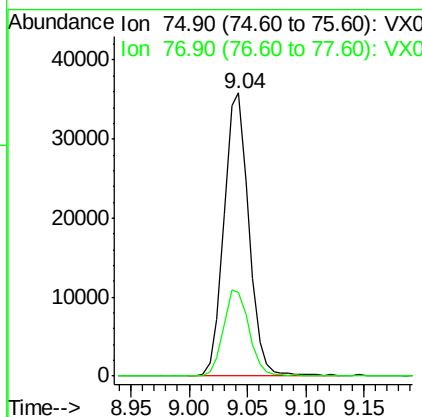
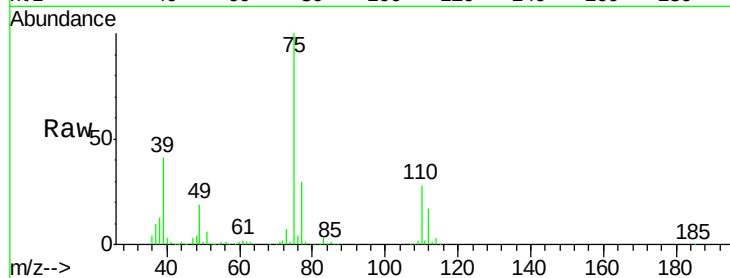
#53
t-1,3-Dichloropropene
Concen: 16.471 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.4	38.2

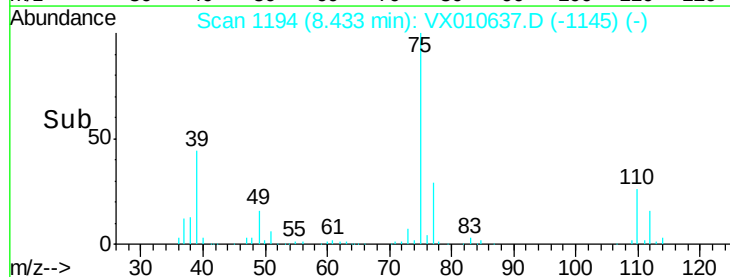
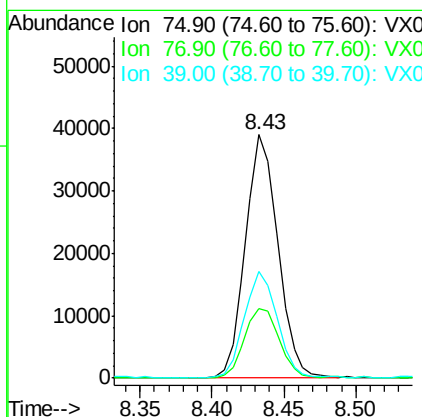
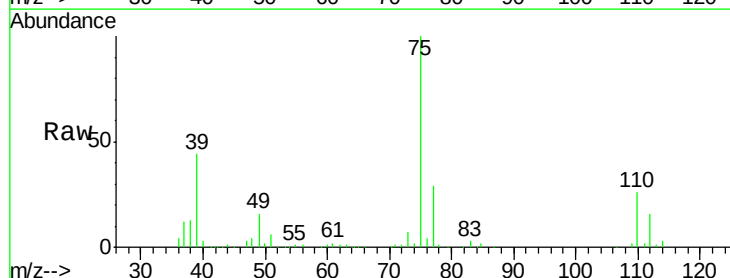
Manual Integrations
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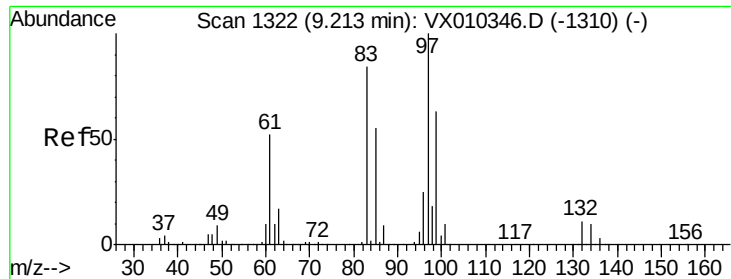
MMDadoda
7/8/2019 2:41:17 PM



#54
cis-1,3-Dichloropropene
Concen: 17.494 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.8	25.2	37.8
39	43.7	34.5	51.7





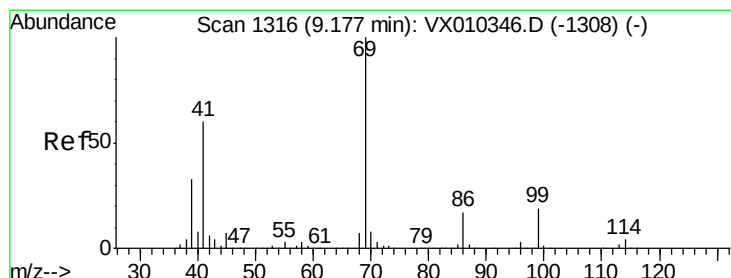
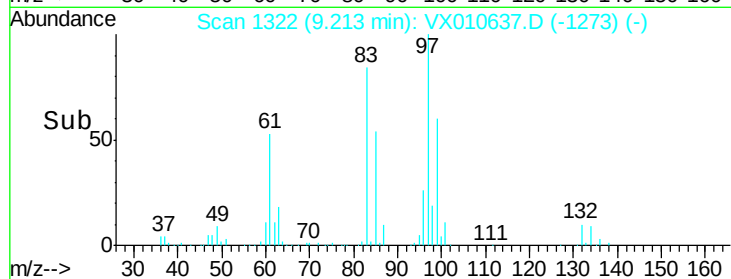
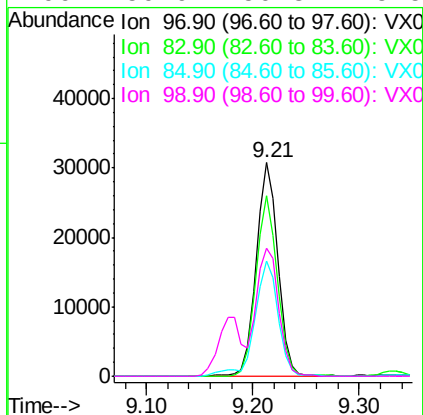
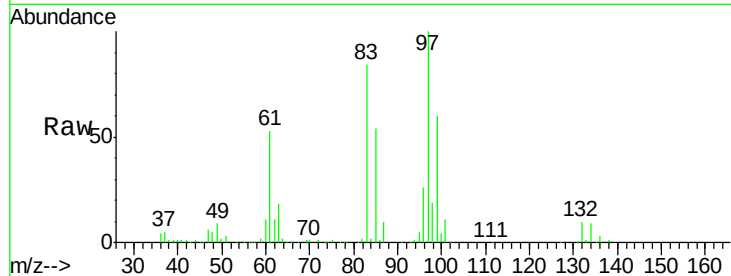
#55
 1,1,2-Trichloroethane
 Concen: 18.788 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010637.D
 Acq: 03 Jul 2019 14:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBS01

Tot Ion:	97	Resp:	44061
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.4	101.0
85	54.2	43.8	65.8
99	59.9	50.3	75.5

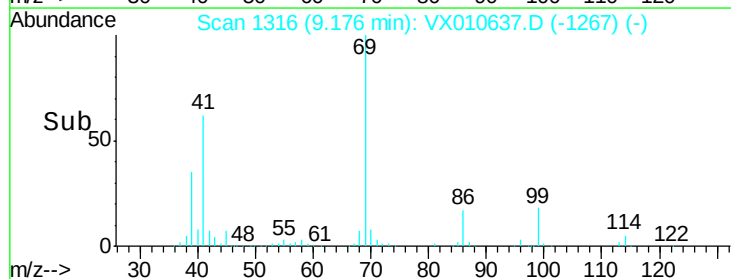
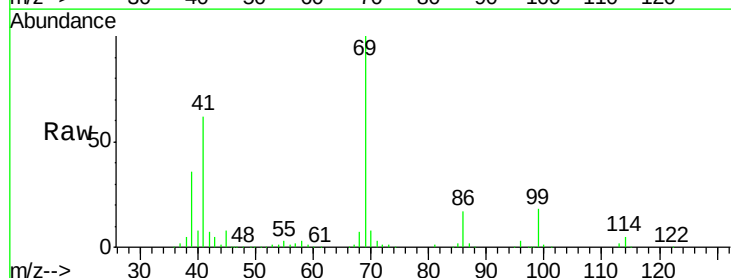
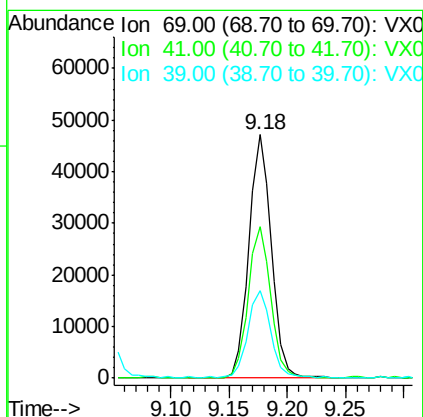
Manual Integrations
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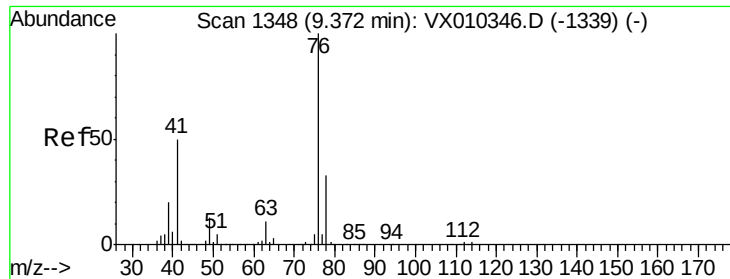
MMDadoda
 7/8/2019 2:41:17 PM



#56
 Ethyl methacrylate
 Concen: 18.002 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010637.D
 Acq: 03 Jul 2019 14:05

Tgt Ion:	69	Resp:	63954
Ion	Ratio	Lower	Upper
69	100		
41	62.1	47.1	70.7
39	36.6	26.6	40.0





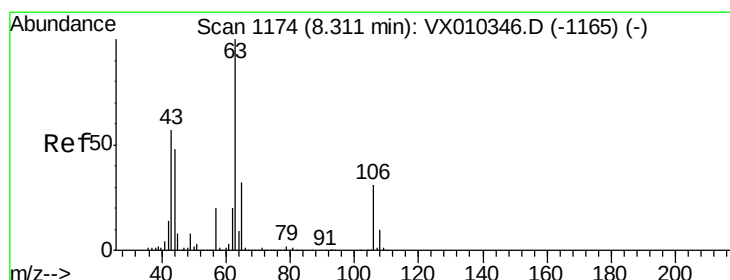
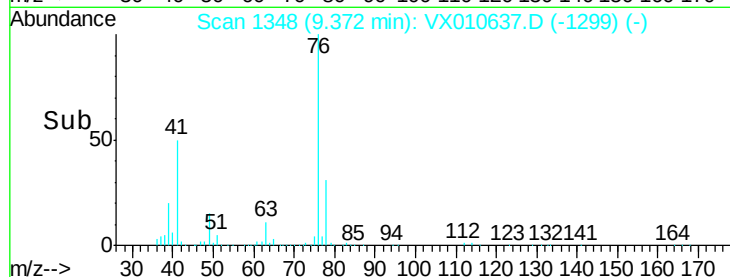
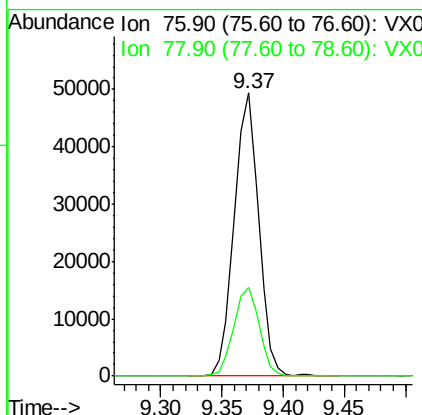
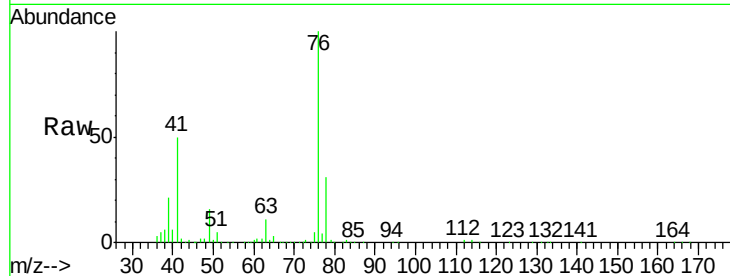
#57
 1,3-Dichloropropane
 Concen: 18.783 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX010637.D
 Acq: 03 Jul 2019 14:05

Instrument :
 MSVOA_X
 ClientSampled :
 VX0703WBS01

Tot Ion: 76 Resp: 68380
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1

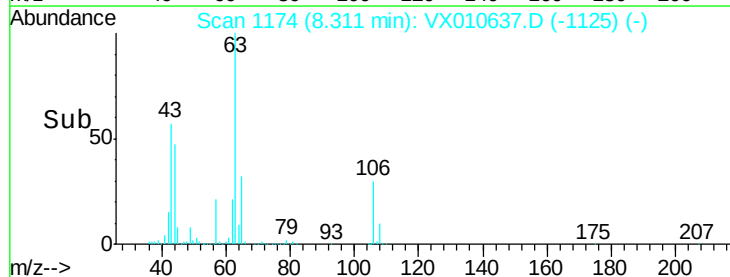
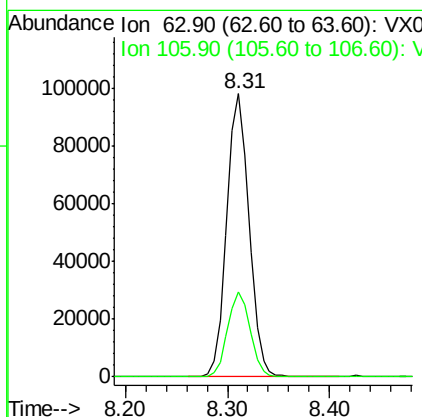
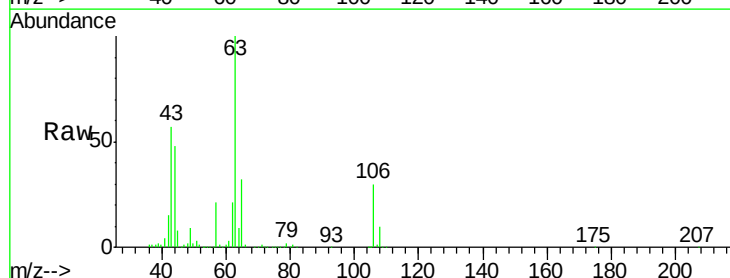
Manual Integrations
 APPROVED

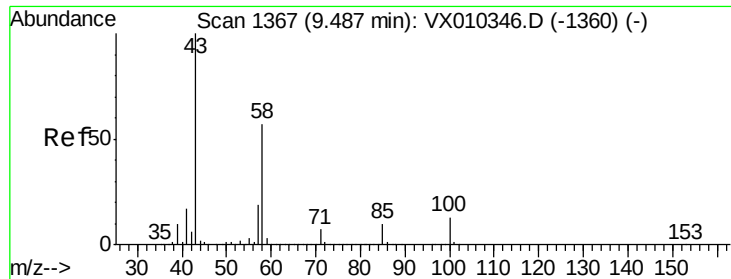
MMDadoda
 7/8/2019 2:41:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.344 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX010637.D
 Acq: 03 Jul 2019 14:05

Tgt Ion: 63 Resp: 149060
 Ion Ratio Lower Upper
 63 100
 106 30.4 24.7 37.1





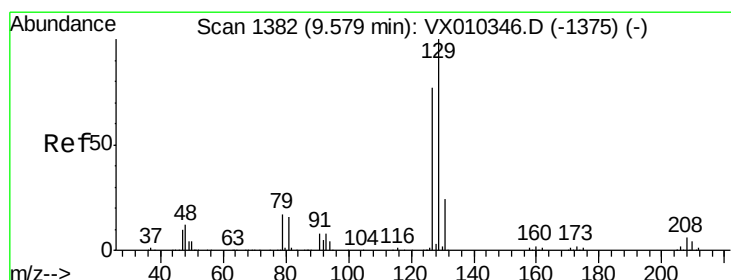
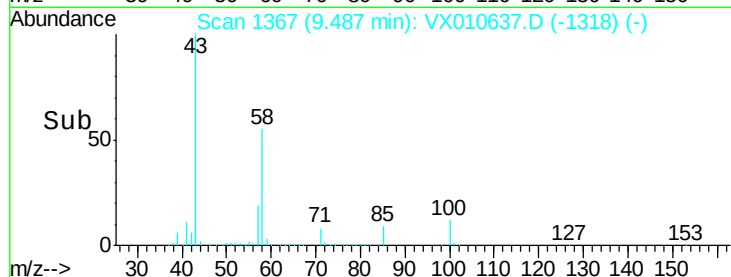
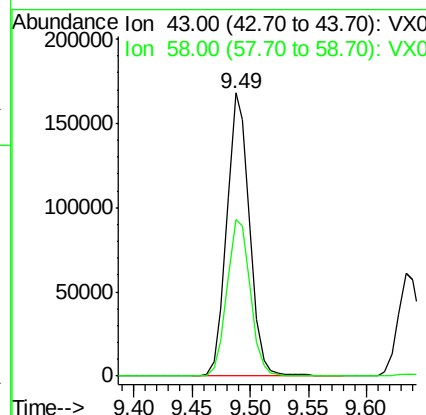
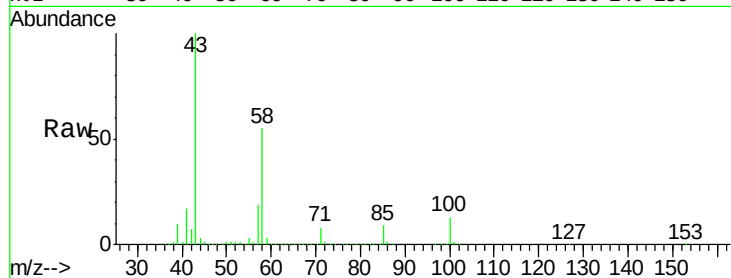
#59
2-Hexanone
Concen: 95.051 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion: 43 Resp: 225708
Ion Ratio Lower Upper
43 100
58 57.3 29.0 87.1

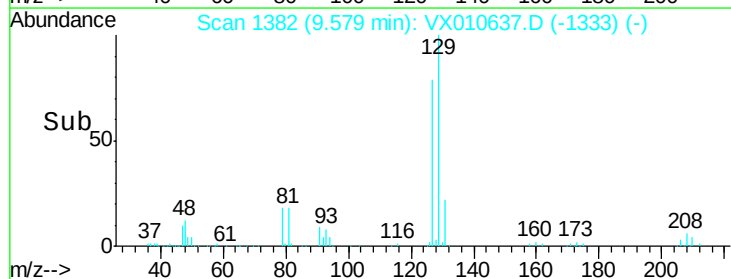
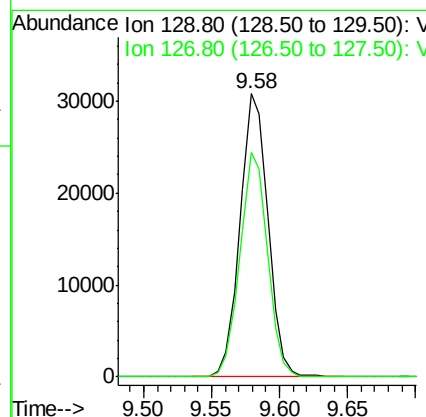
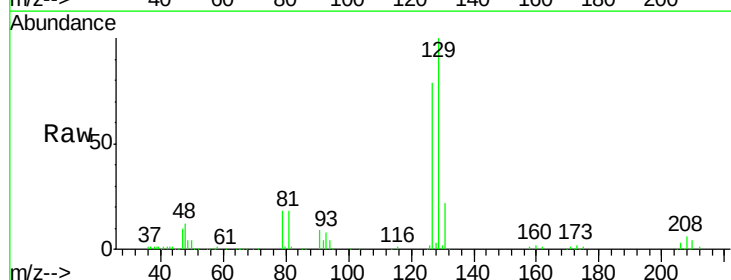
Manual Integrations
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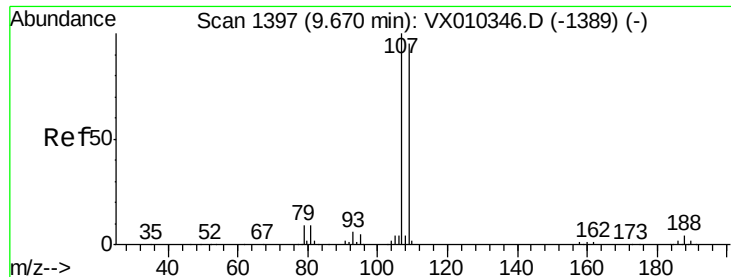
MMDadoda
7/8/2019 2:41:17 PM



#60
Dibromochloromethane
Concen: 16.782 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Tgt Ion: 129 Resp: 44067
Ion Ratio Lower Upper
129 100
127 78.5 38.4 115.1





#61

1,2-Dibromoethane

Concen: 18.311 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion:107 Resp: 46353

Ion Ratio Lower Upper

107 100

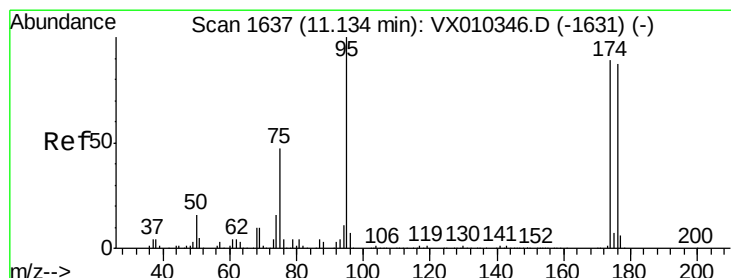
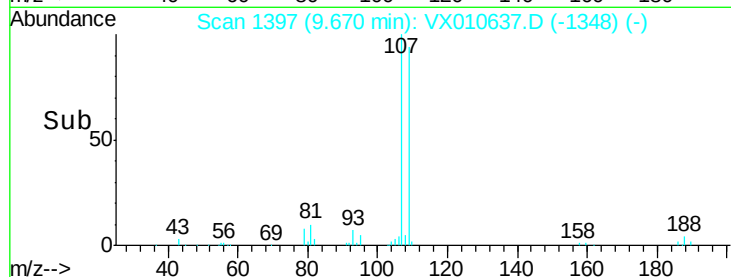
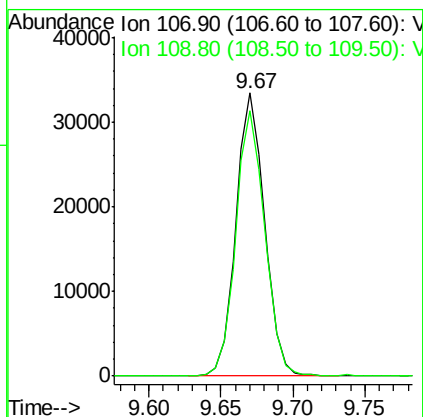
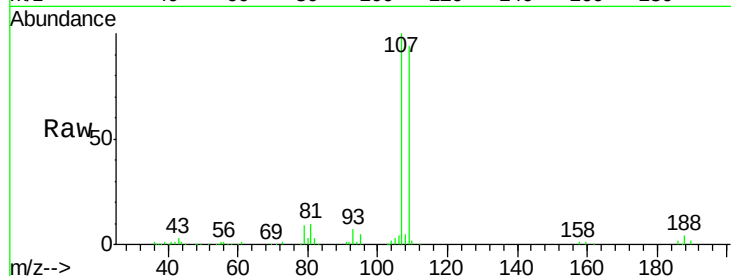
109 94.9 75.8 113.6

Manual Integrations

APPROVED

MMDadoda

7/8/2019 2:41:17 PM



#62

4-Bromofluorobenzene

Concen: 47.691 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

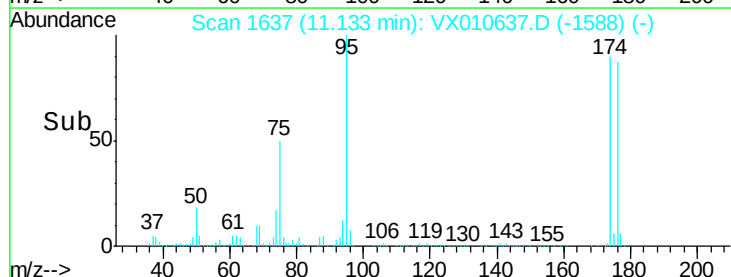
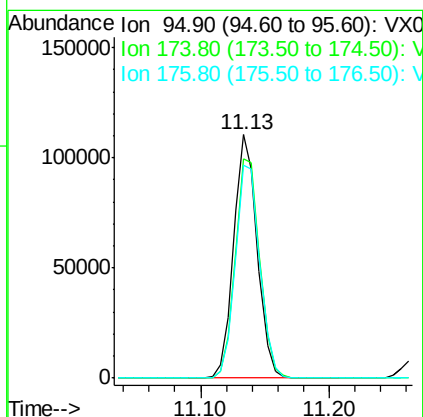
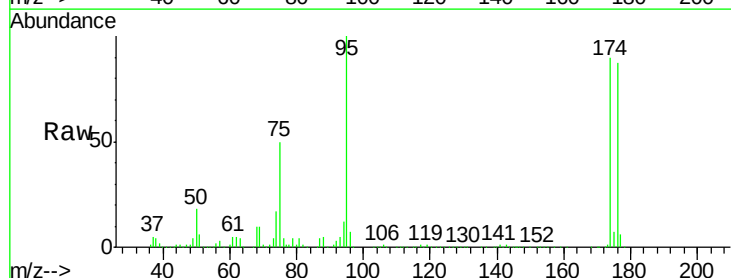
Tgt Ion: 95 Resp: 140570

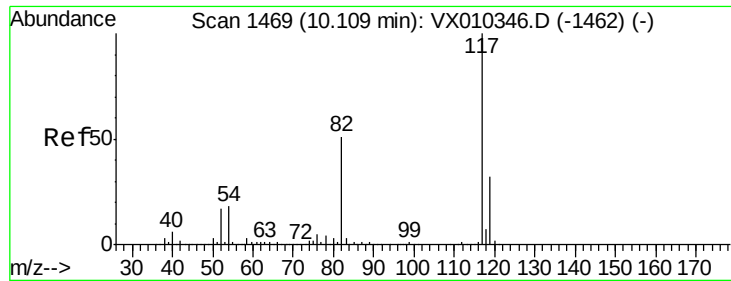
Ion Ratio Lower Upper

95 100

174 93.5 0.0 187.6

176 91.1 0.0 184.0





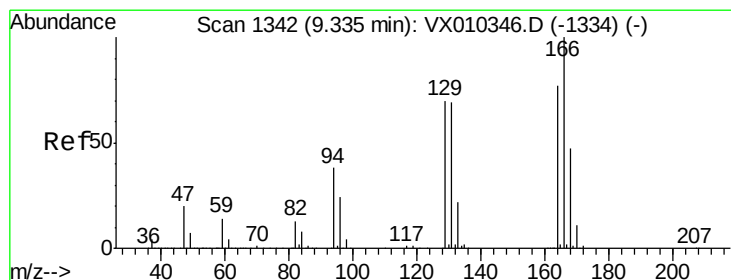
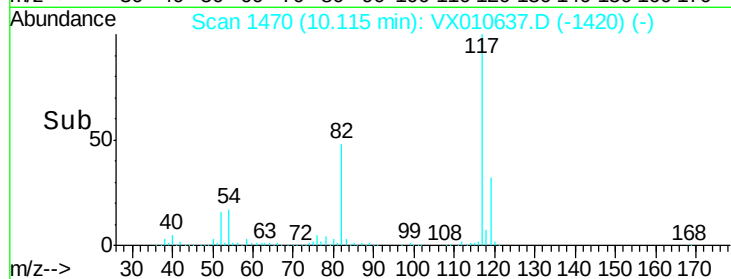
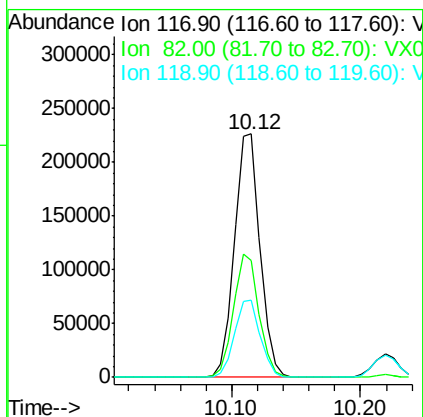
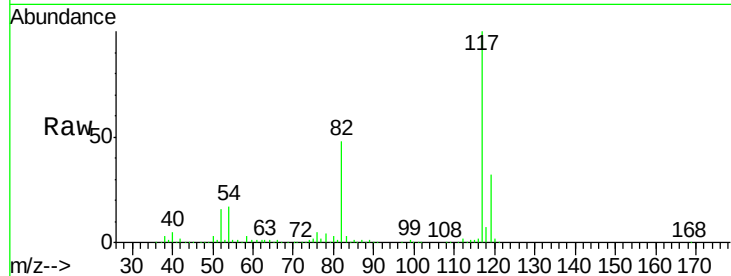
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.2	41.2	61.8
119	31.6	25.5	38.3

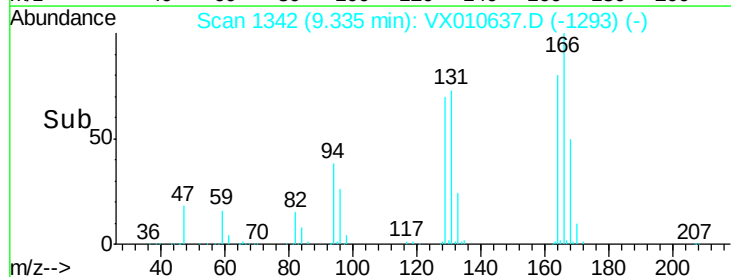
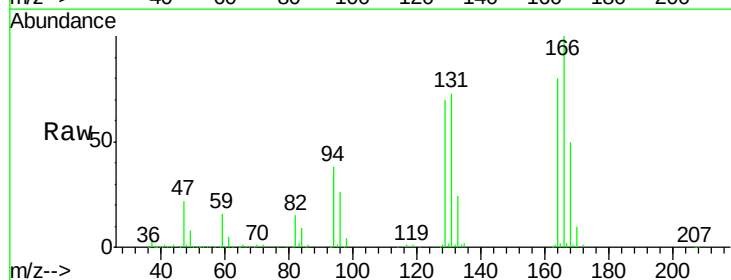
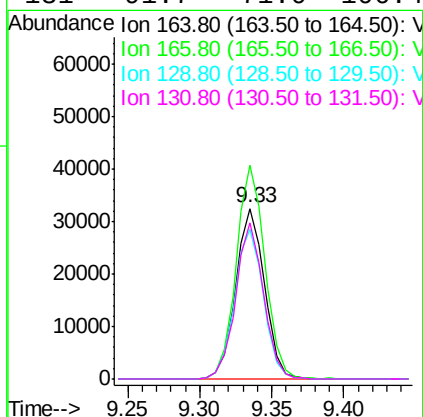
Manual Integrations
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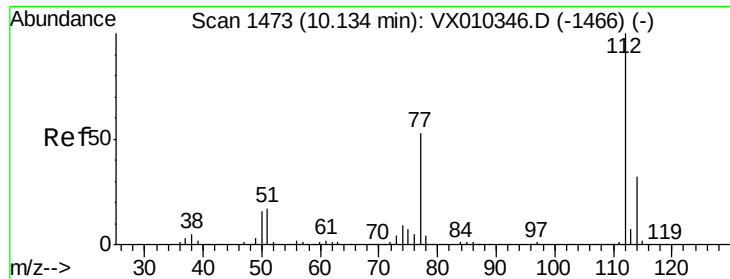
MMDadoda
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#64
Tetrachloroethene
Concen: 17.861 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	103.6	155.4
129	88.1	73.0	109.4
131	91.7	71.0	106.4





#65

Chlorobenzene

Concen: 18.120 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion:112 Resp: 115322

Ion Ratio Lower Upper

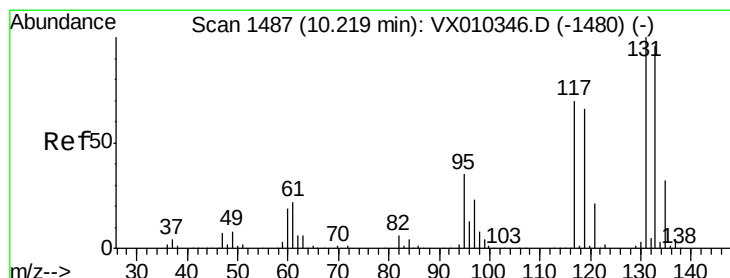
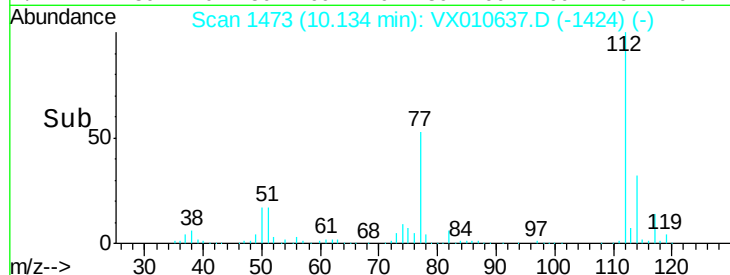
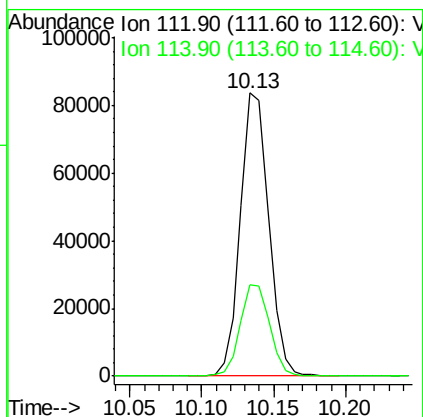
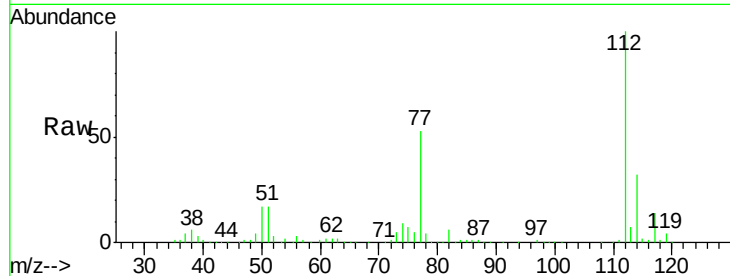
112 100

114 32.1 25.4 38.2

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 18.187 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

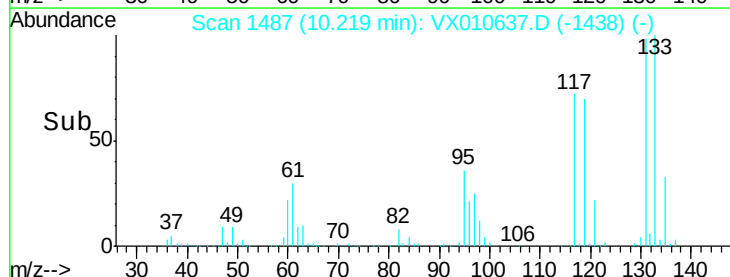
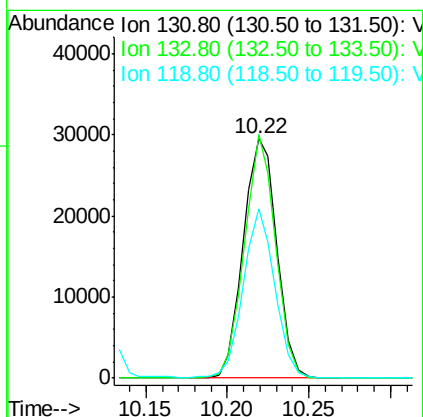
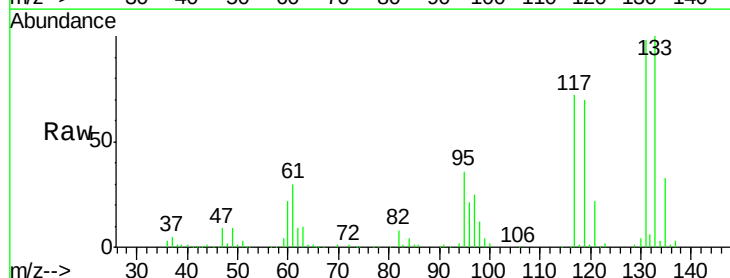
Tgt Ion:131 Resp: 42161

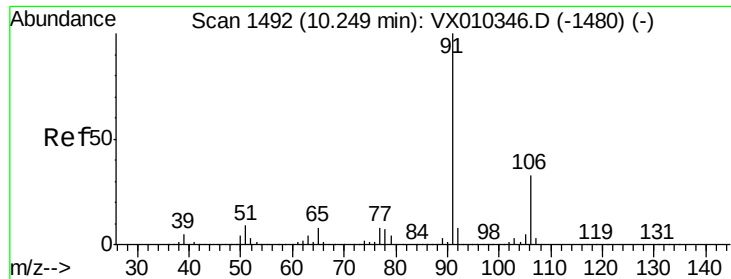
Ion Ratio Lower Upper

131 100

133 94.7 47.7 143.1

119 66.9 32.6 97.7





#67

Ethyl Benzene

Concen: 18.431 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampled :

VX0703WBS01

Tot Ion: 91 Resp: 198020

Ion Ratio Lower Upper

91 100

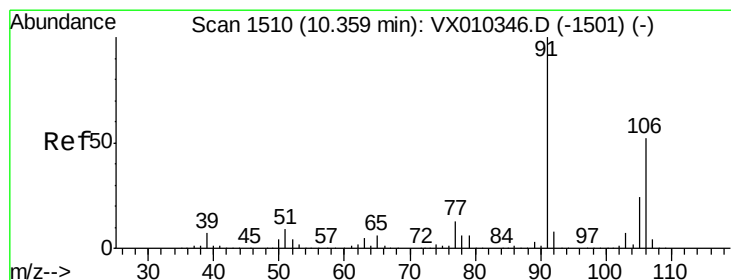
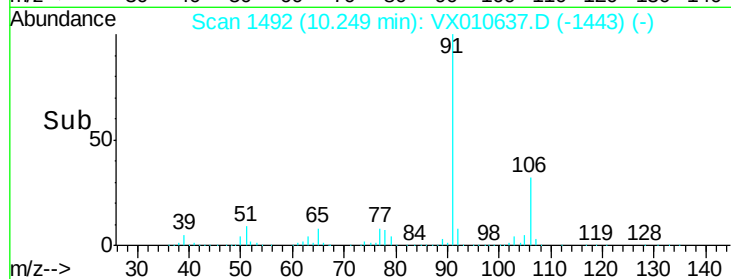
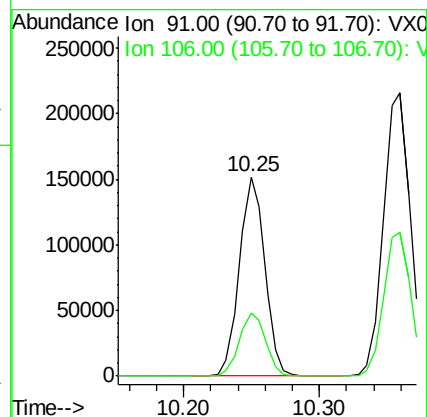
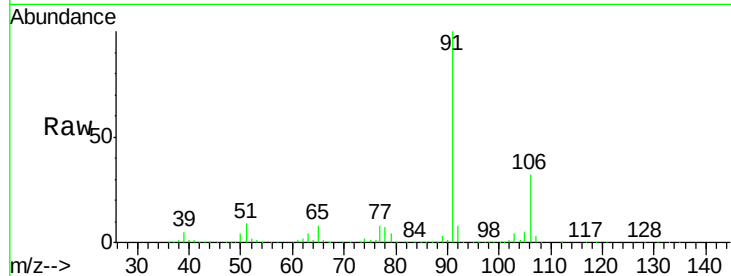
106 31.7 26.2 39.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 36.419 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010637.D

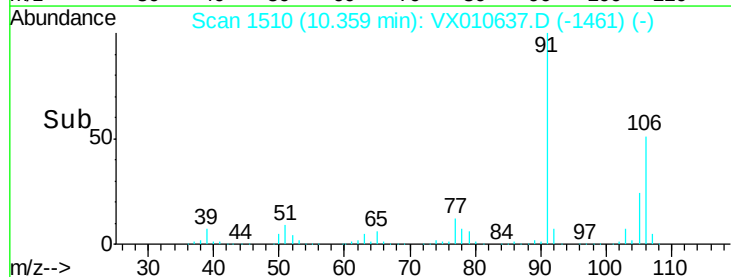
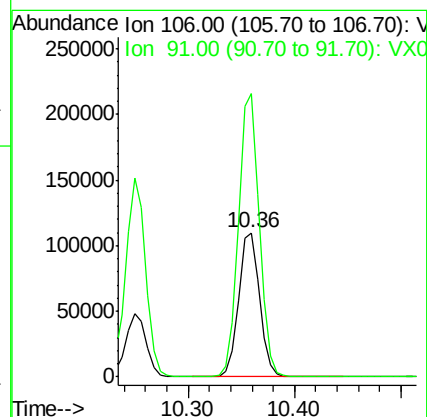
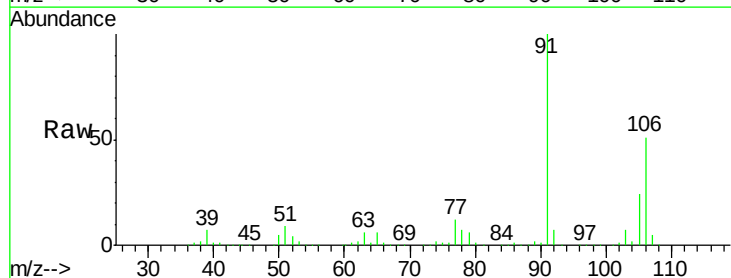
Acq: 03 Jul 2019 14:05

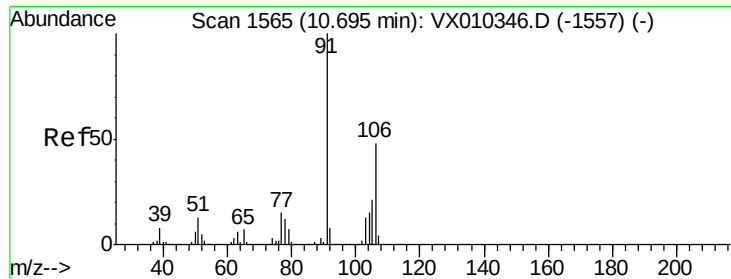
Tgt Ion: 106 Resp: 151614

Ion Ratio Lower Upper

106 100

91 195.3 155.3 232.9





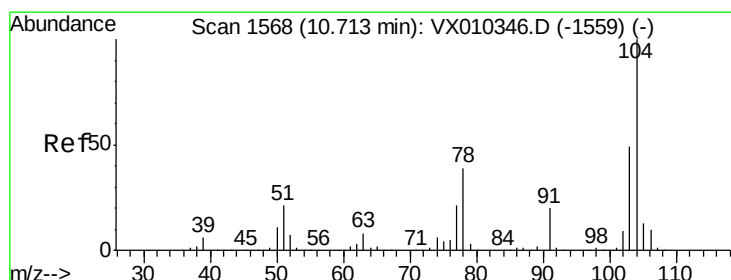
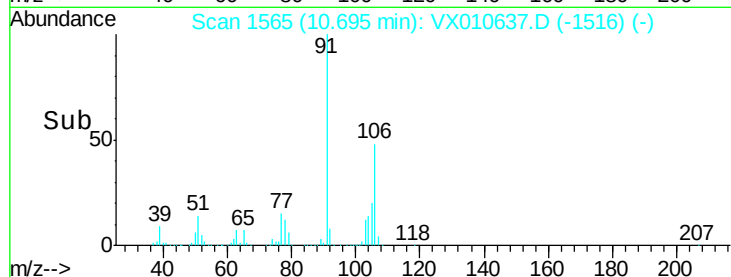
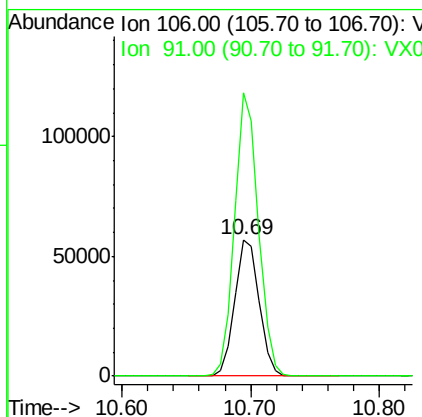
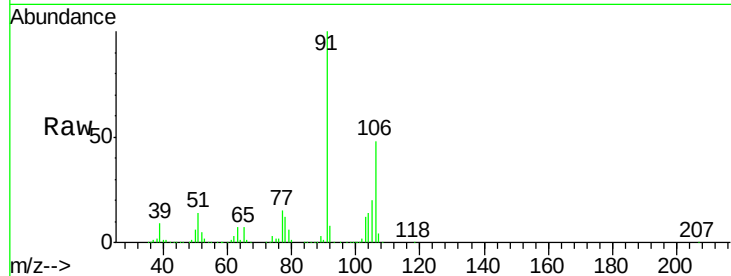
#69
o-Xylene
Concen: 18.479 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Instrument :
MSVOA_X
ClientSampled :
VX0703WBS01

Tot Ion:106 Resp: 75654
Ion Ratio Lower Upper
106 100
91 201.7 102.7 308.1

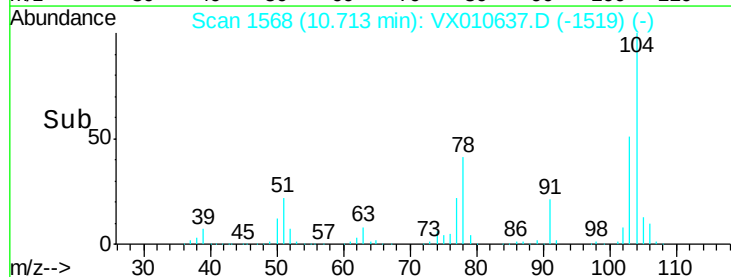
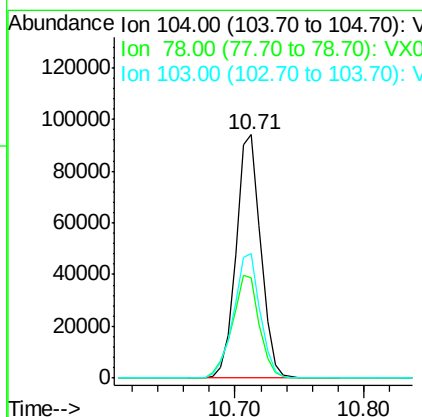
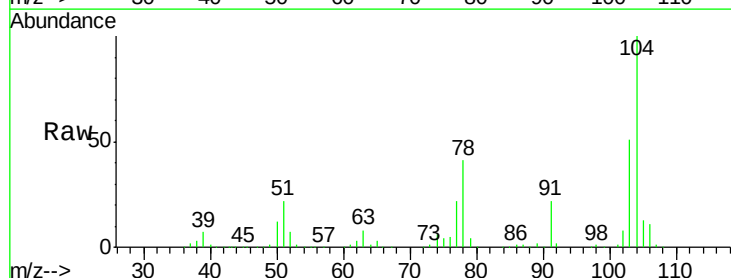
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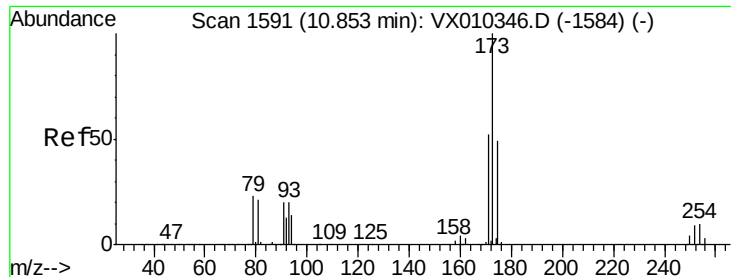
MMDadoda
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#70
Styrene
Concen: 18.243 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Tgt Ion:104 Resp: 125253
Ion Ratio Lower Upper
104 100
78 47.0 36.2 54.2
103 55.3 44.2 66.4





#71

Bromoform

Concen: 15.870 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion:173 Resp: 31992

Ion Ratio Lower Upper

173 100

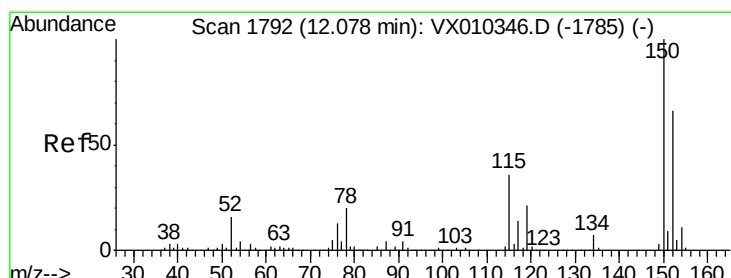
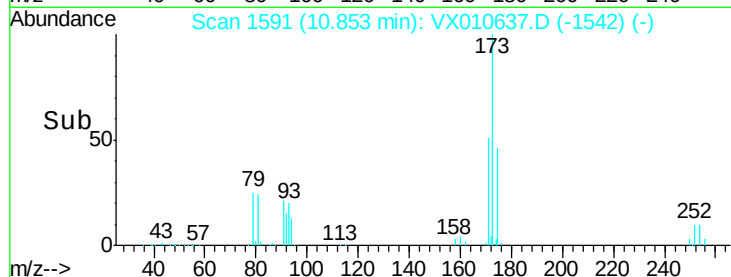
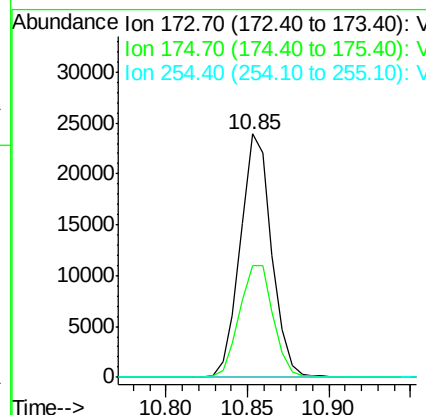
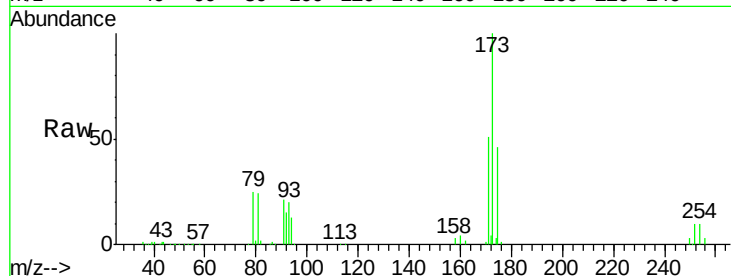
175 49.9 24.1 72.3

254 0.0 0.2 0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

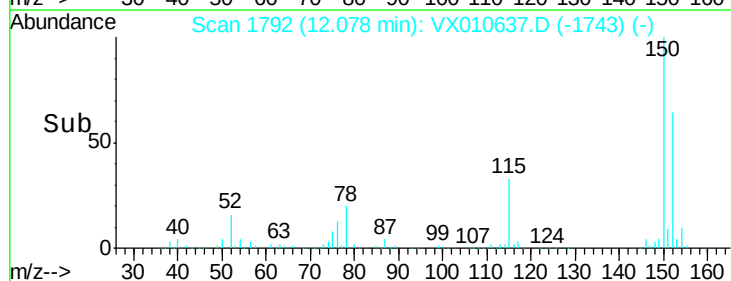
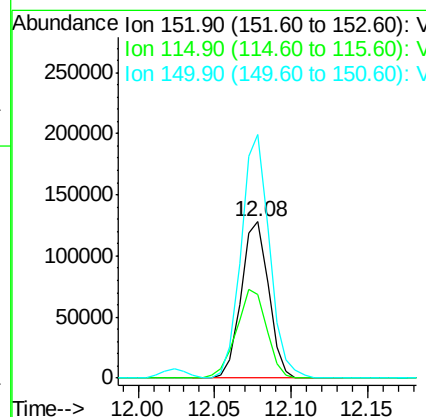
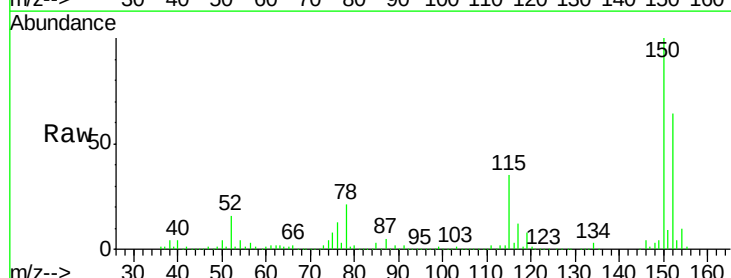
Tgt Ion:152 Resp: 159018

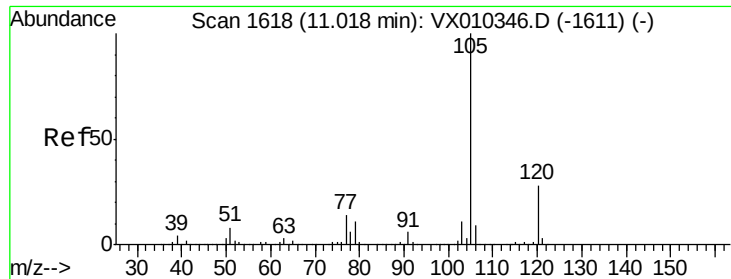
Ion Ratio Lower Upper

152 100

115 62.8 38.6 115.7

150 160.2 0.0 347.4





#73

Isopropylbenzene

Concen: 18.341 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion:105 Resp: 197704

Ion Ratio Lower Upper

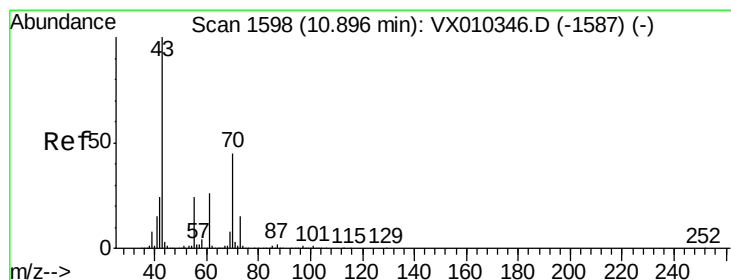
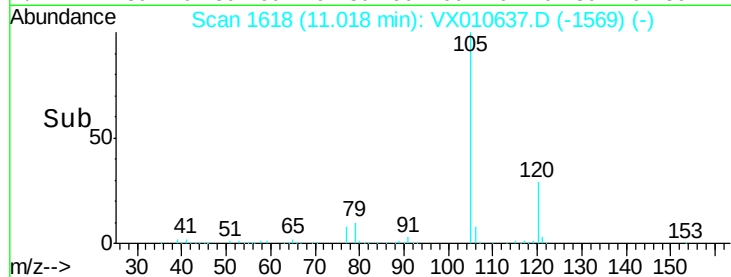
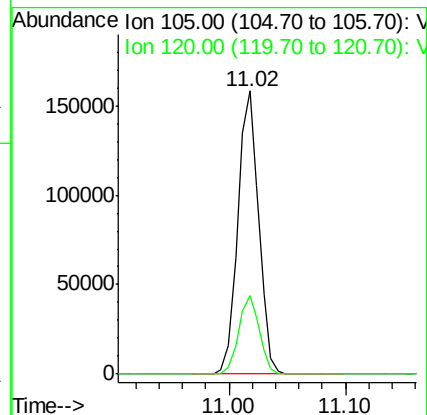
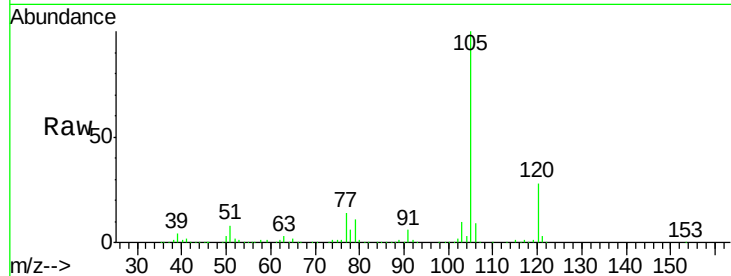
105 100

120 27.5 14.1 42.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.874 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Tgt Ion: 43 Resp: 76887

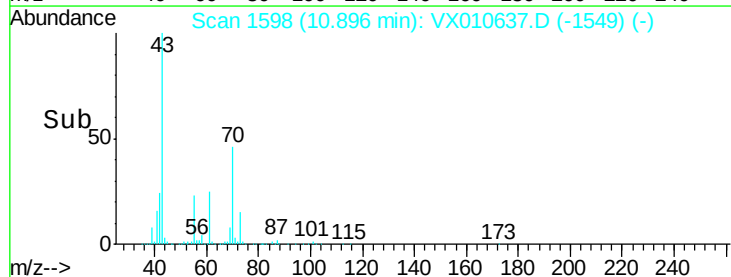
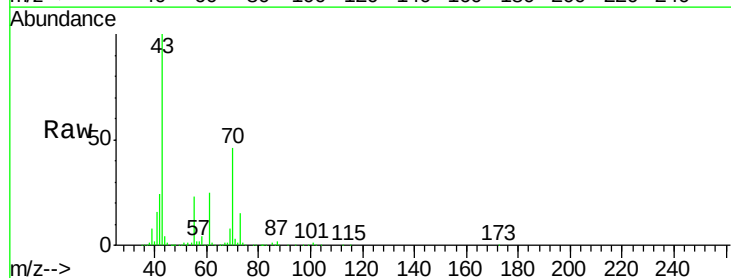
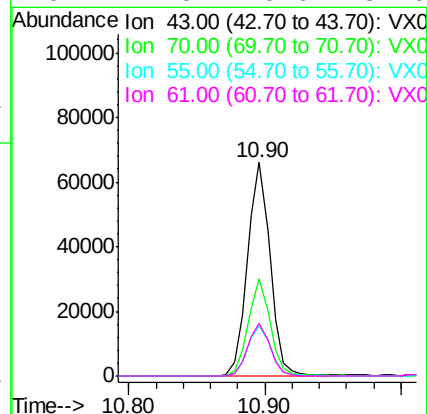
Ion Ratio Lower Upper

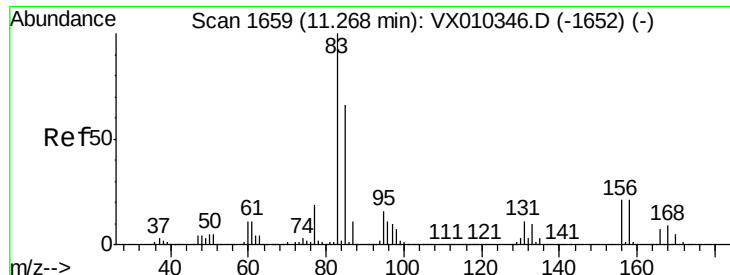
43 100

70 44.8 36.6 54.8

55 24.5 18.7 28.1

61 24.8 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.327 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

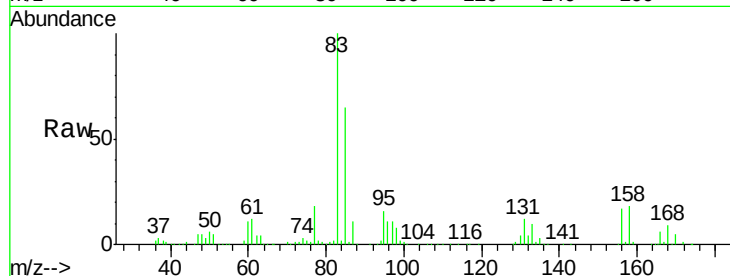
ClientSampleId :

VX0703WBS01

Tot Ion:	83	Resp:	68994
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.5	16.4
85	65.4	32.3	96.8

Manual Integrations
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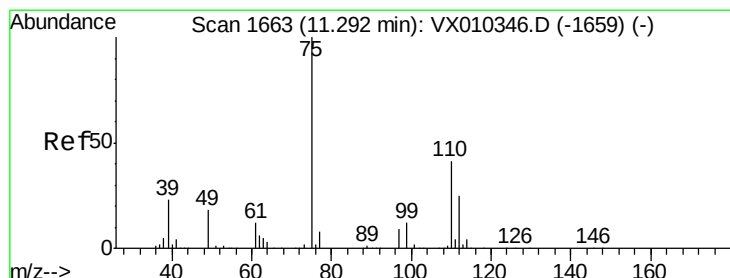
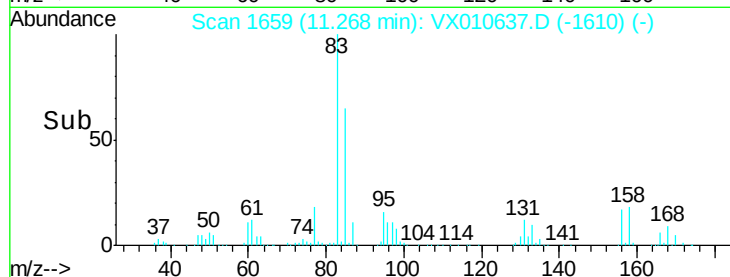
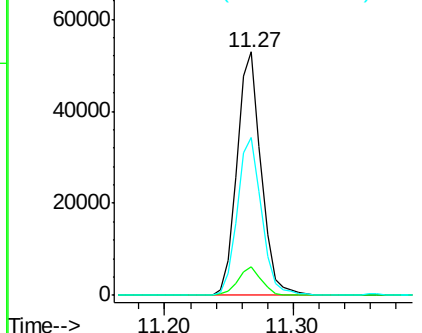
MMDadoda
7/8/2019 2:41:17 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 18.718 ug/l m

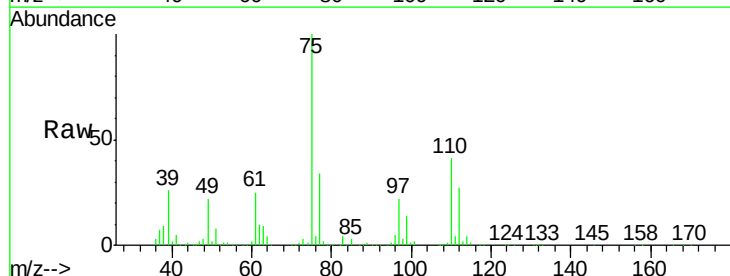
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010637.D

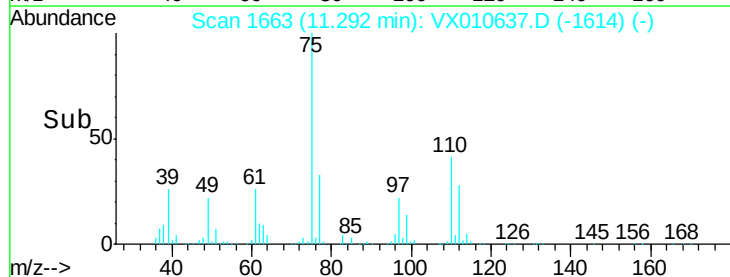
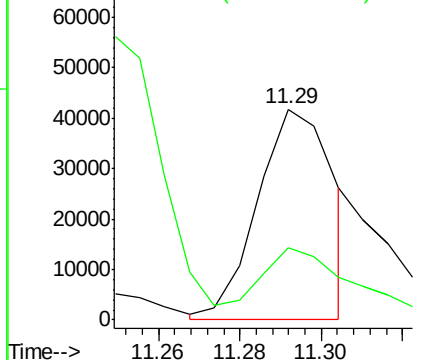
Acq: 03 Jul 2019 14:05

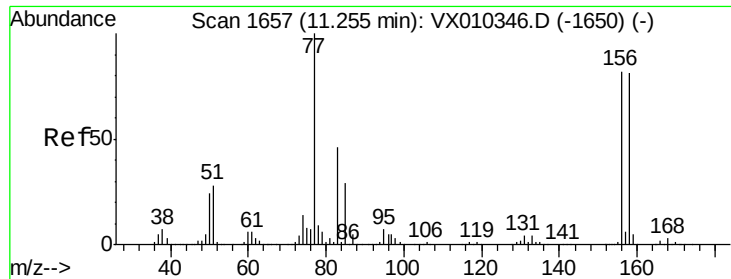
Tgt Ion:	75	Resp:	54240
Ion	Ratio	Lower	Upper
75	100		
77	43.0	22.6	67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.225 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion:156 Resp: 54856

Ion Ratio Lower Upper

156 100

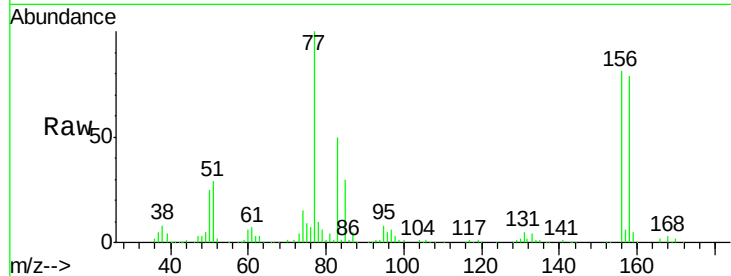
77 133.9 66.3 198.7

158 96.8 48.9 146.7

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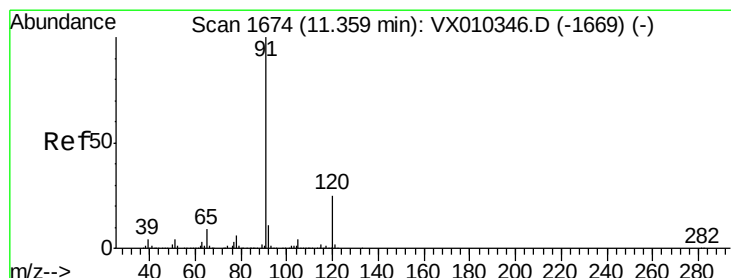
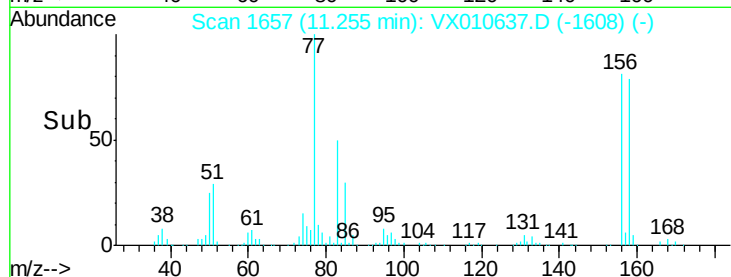
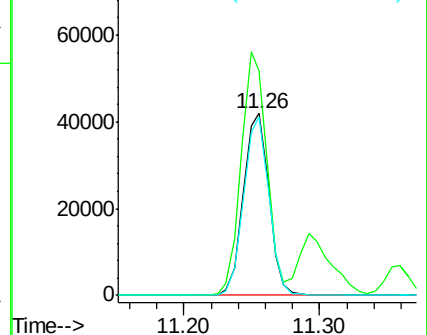
7/8/2019 2:41:17 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.400 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010637.D

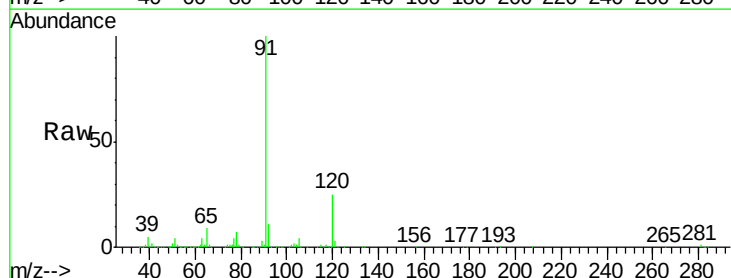
Acq: 03 Jul 2019 14:05

Tgt Ion: 91 Resp: 217991

Ion Ratio Lower Upper

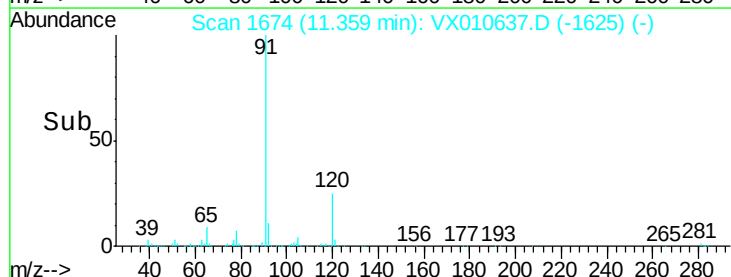
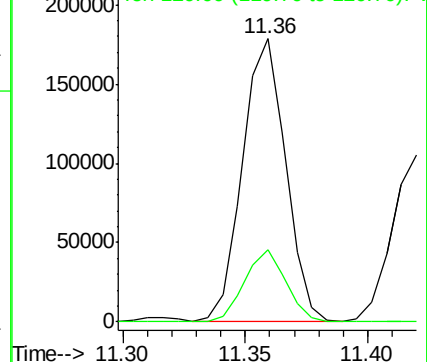
91 100

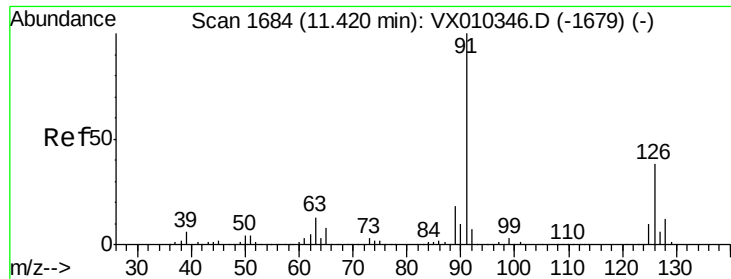
120 24.6 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.121 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion: 91 Resp: 127835

Ion Ratio Lower Upper

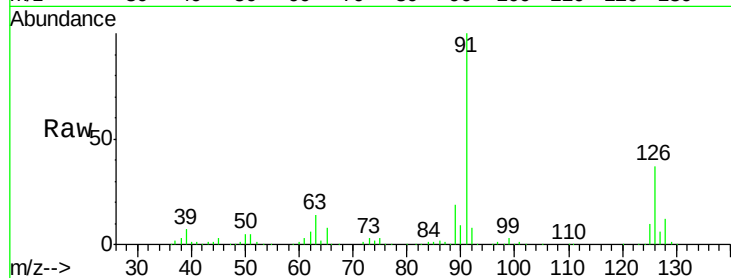
91 100

126 37.5 18.7 56.1

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010346.D (-1679) (-)

200000

150000

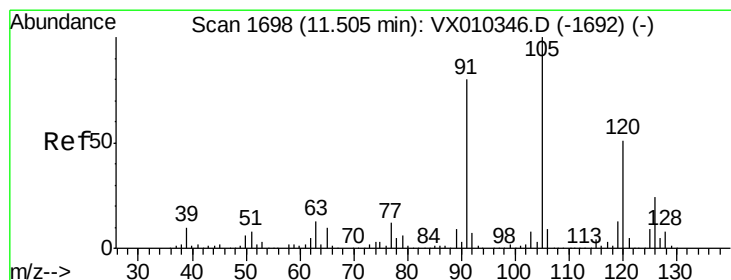
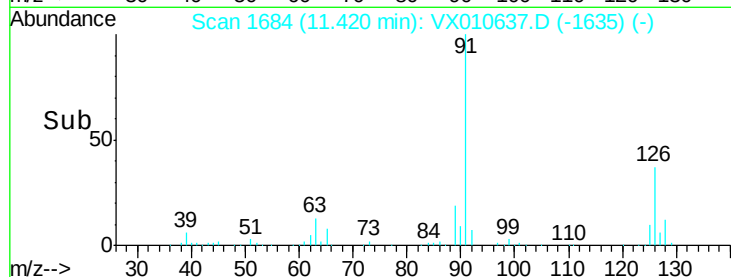
100000

50000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.536 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010637.D

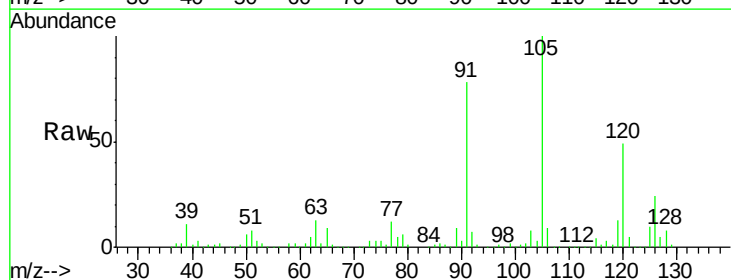
Acq: 03 Jul 2019 14:05

Tgt Ion: 105 Resp: 164718

Ion Ratio Lower Upper

105 100

120 48.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010346.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010346.D (-1692) (-)

150000

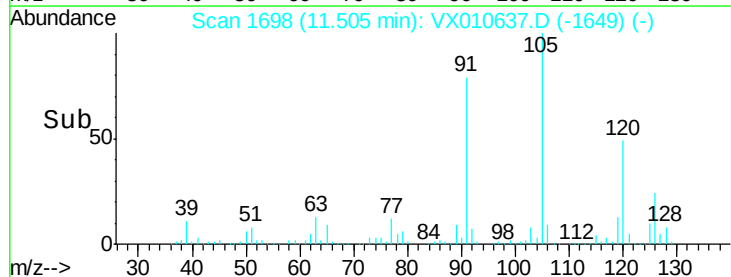
100000

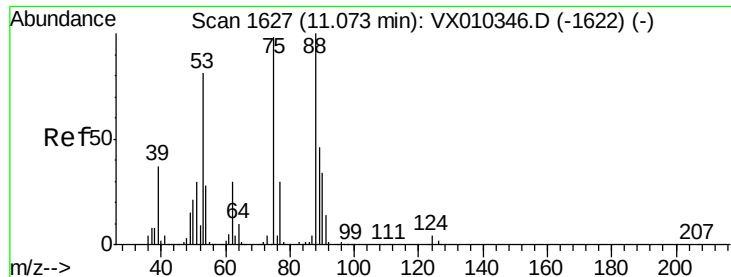
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 14.735 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

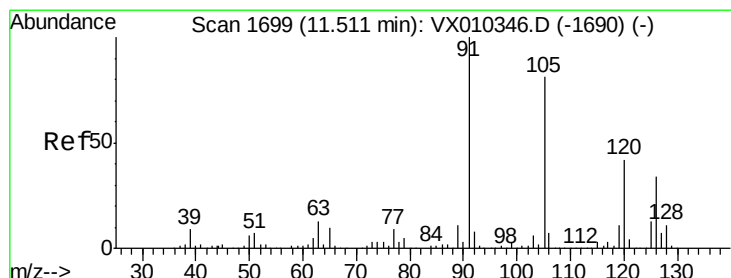
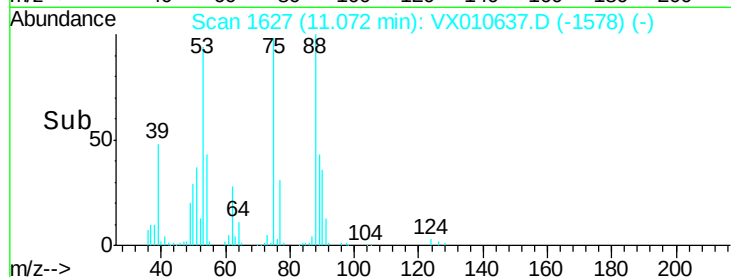
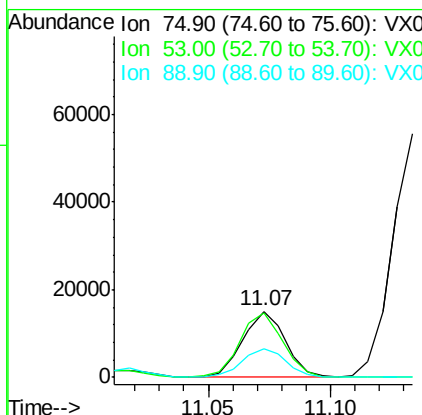
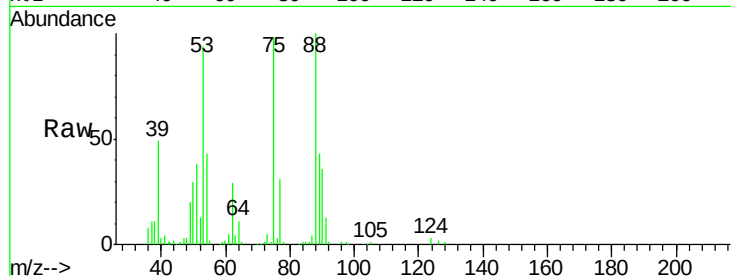
ClientSampleId :

VX0703WBS01

Tot Ion:	75	Resp:	18302
Ion	Ratio	Lower	Upper
75	100		
53	98.4	66.1	99.1
89	45.5	37.8	56.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.350 ug/l

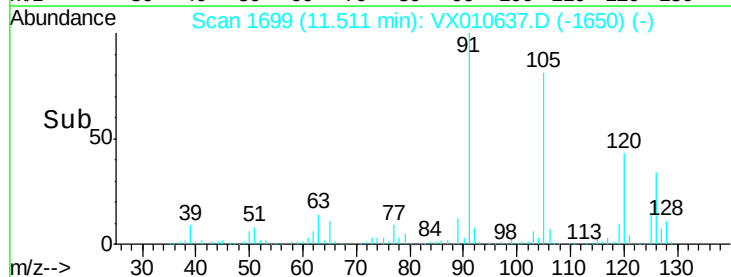
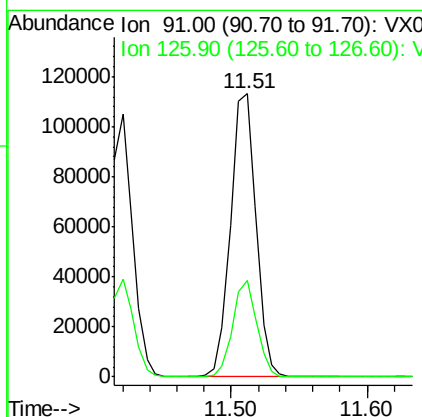
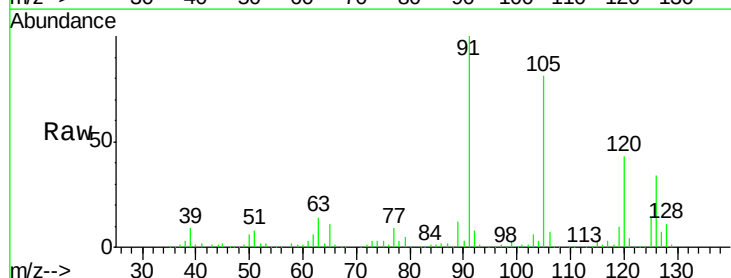
RT: 11.51 min Scan# 1699

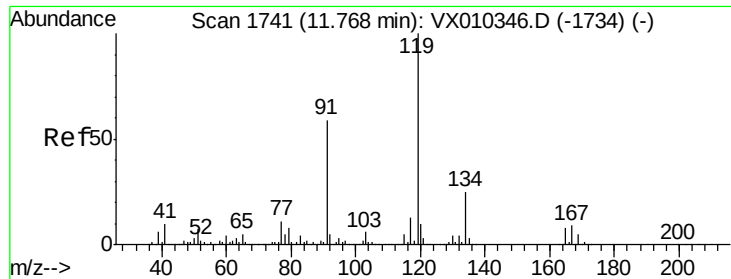
Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Tgt Ion:	91	Resp:	147303
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.2	48.6





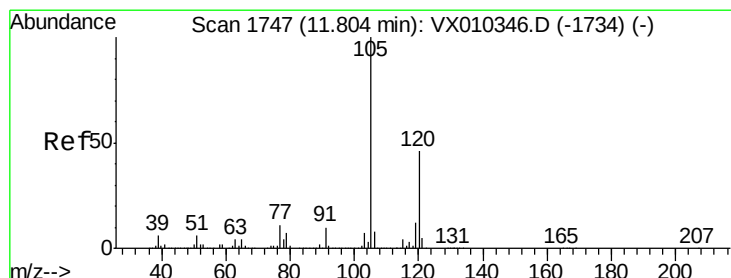
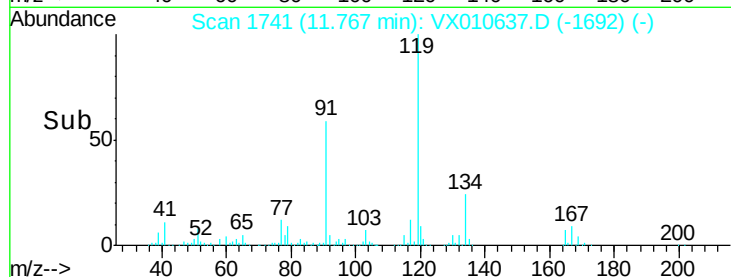
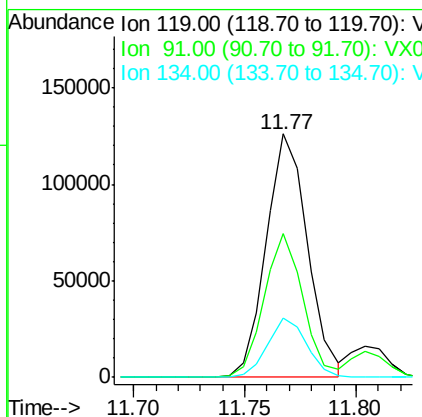
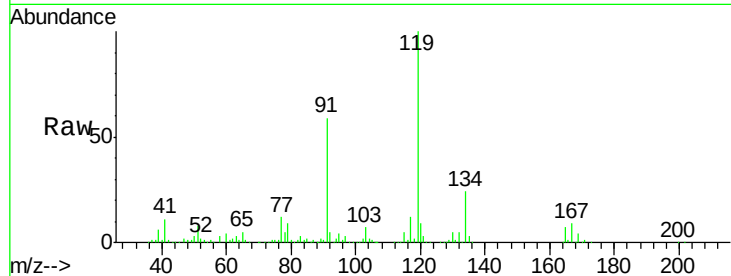
#83
 tert-Butylbenzene
 Concen: 18.256 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010637.D
 Acq: 03 Jul 2019 14:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	162825		
91	55.8	27.6	82.7	
134	23.2	11.8	35.4	

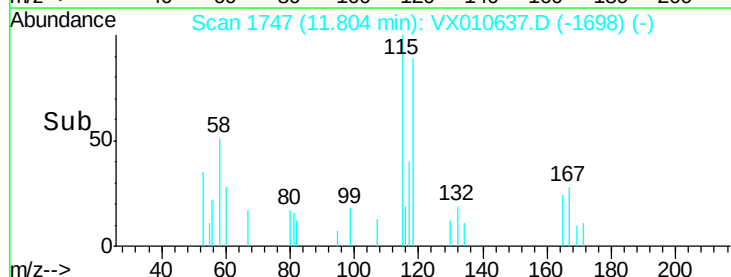
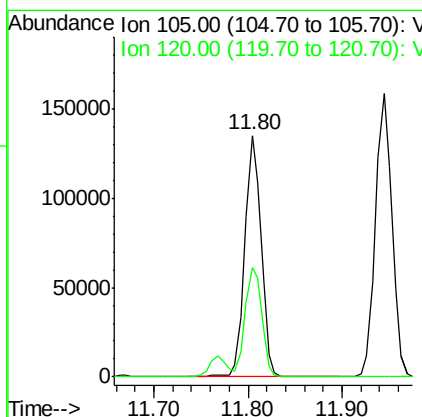
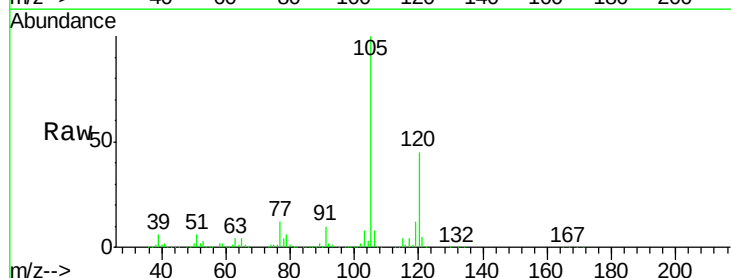
Manual Integrations
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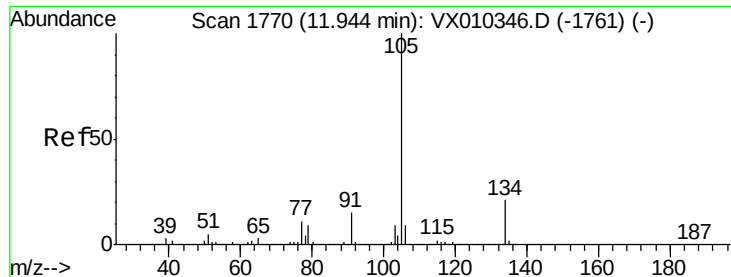
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.300 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010637.D
 Acq: 03 Jul 2019 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	163380		
120	45.9	23.1	69.2	





#85

sec-Butylbenzene

Concen: 18.449 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBS01

Tot Ion:105 Resp: 193201

Ion Ratio Lower Upper

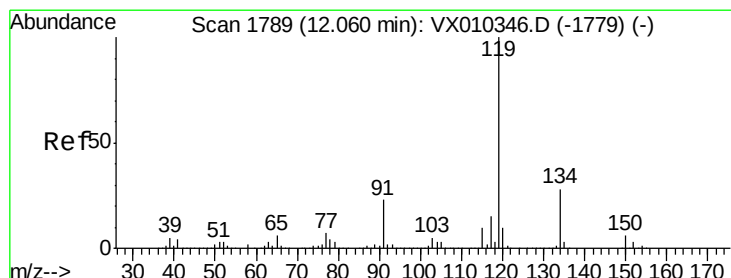
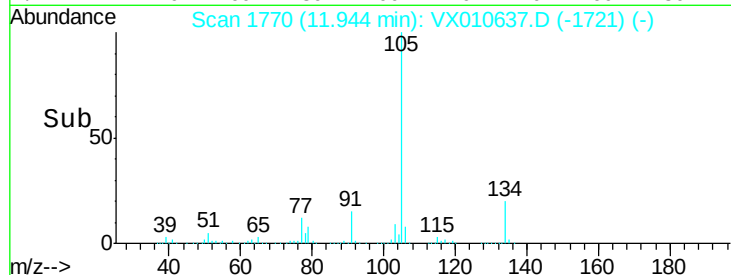
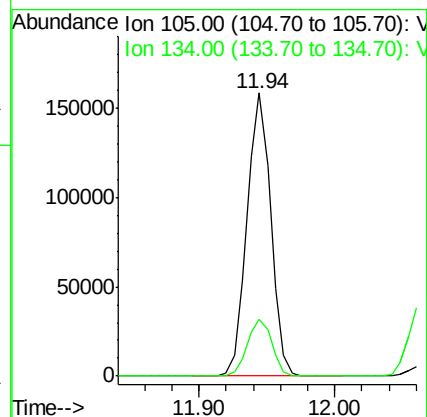
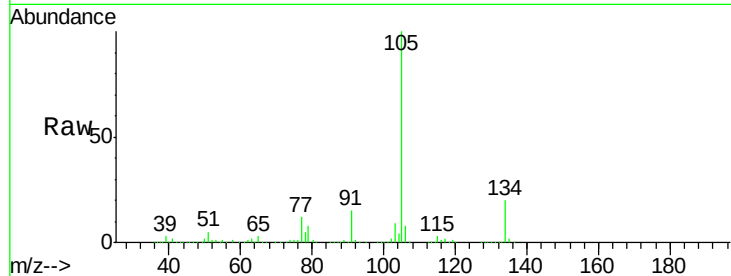
105 100

134 20.7 10.7 31.9

Manual Integrations
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7/8/2019 2:41:17 PM



#86

p-Isopropyltoluene

Concen: 18.046 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

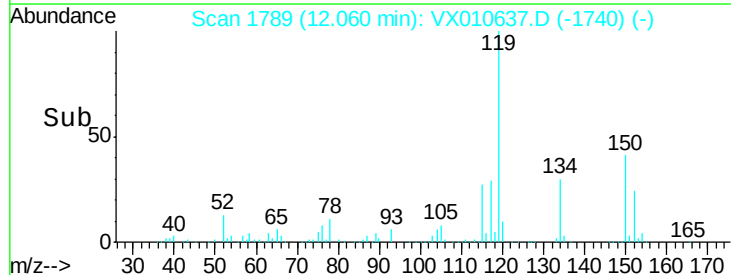
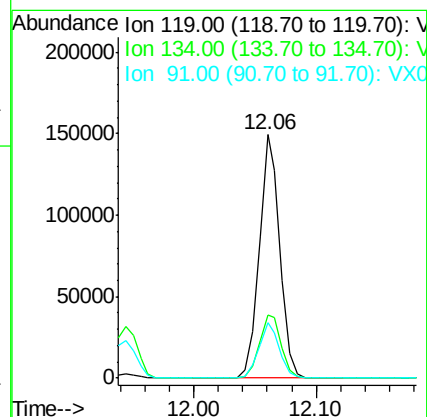
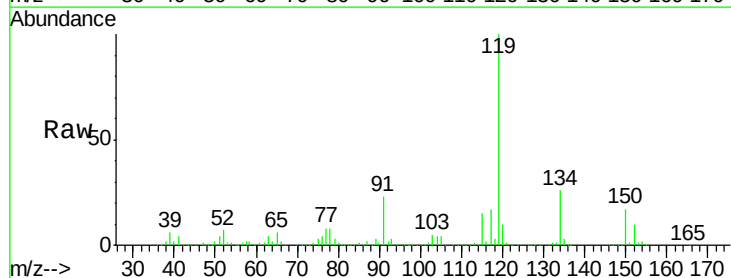
Tgt Ion:119 Resp: 174800

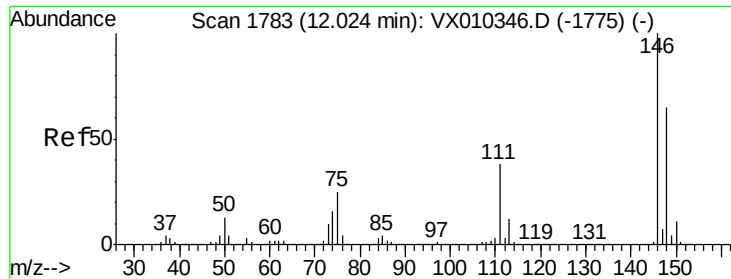
Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.1

91 23.0 11.3 33.8





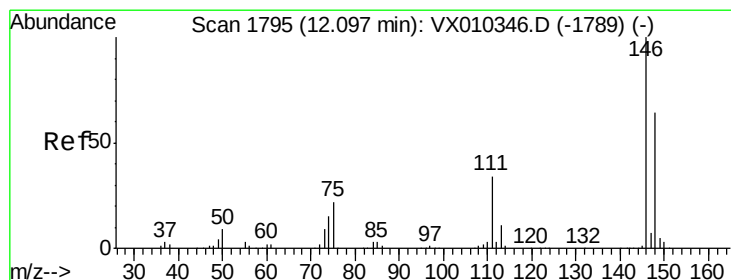
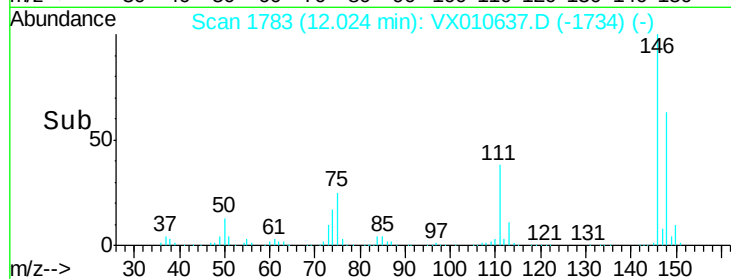
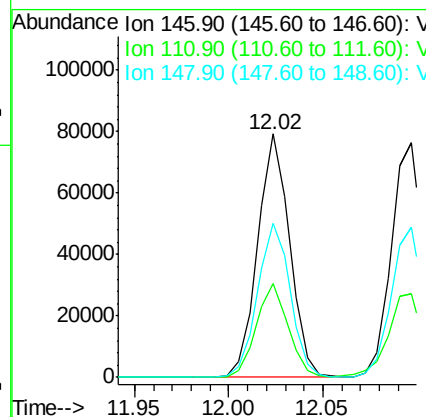
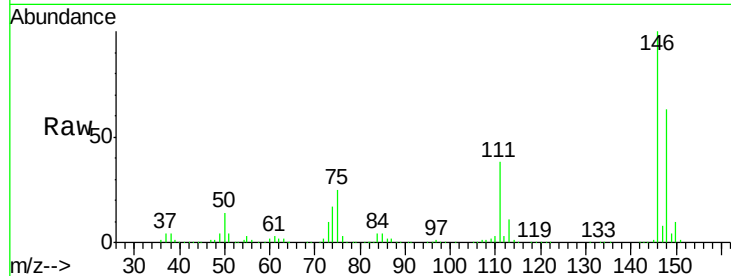
#87
 1,3-Dichlorobenzene
 Concen: 17.738 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010637.D
 Acq: 03 Jul 2019 14:05

Instrument :
 MSVOA_X
 ClientSampled :
 VX0703WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.1
148	64.8	32.5	97.4

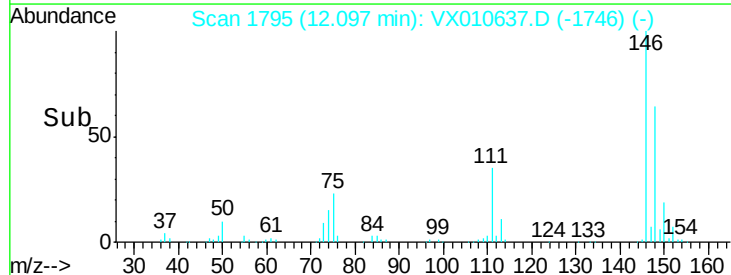
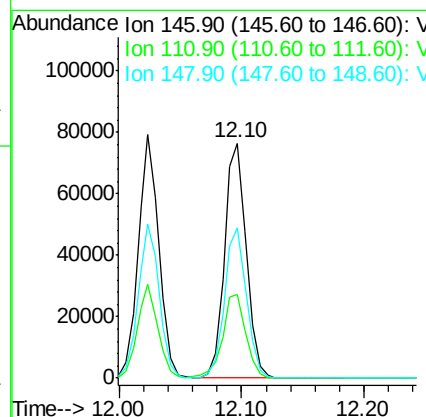
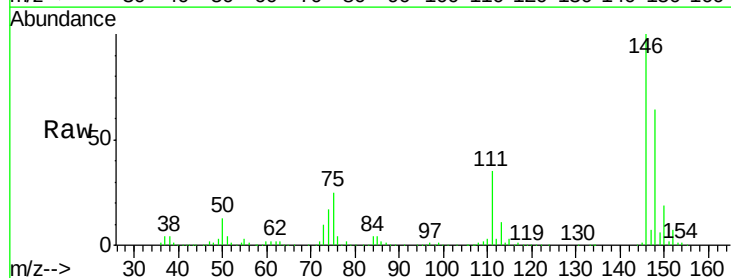
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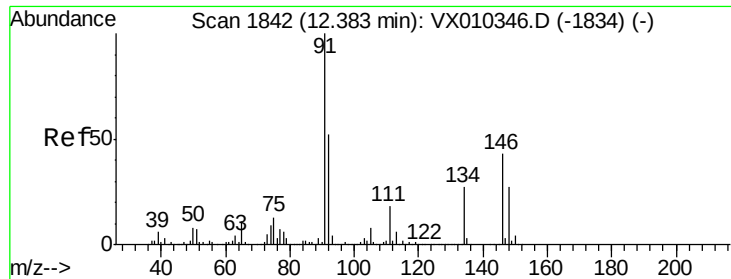
MMDadoda
 7/8/2019 2:41:17 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.716 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010637.D
 Acq: 03 Jul 2019 14:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.3
148	64.1	32.1	96.3





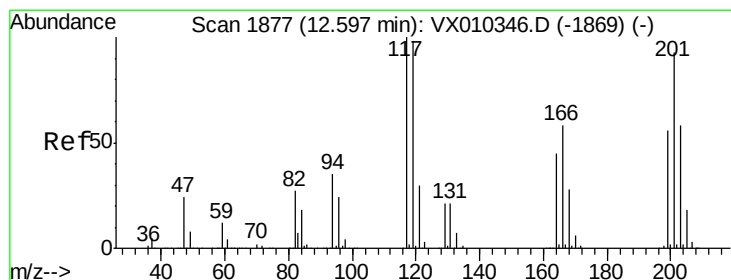
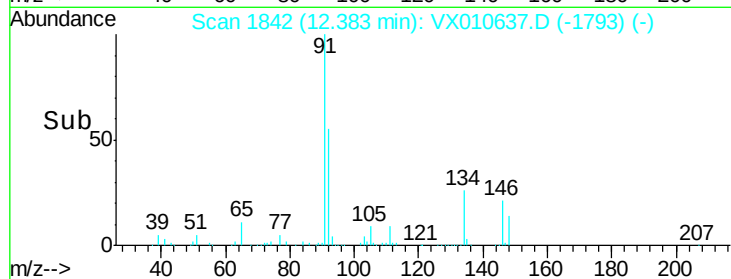
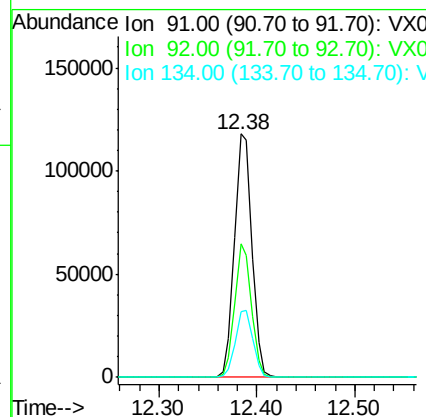
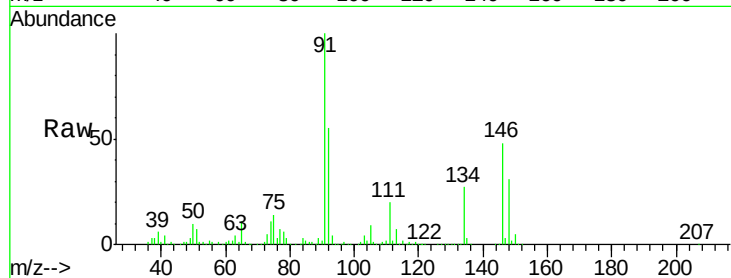
#89
n-Butylbenzene
Concen: 17.864 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.5
134	27.6	14.1	42.4

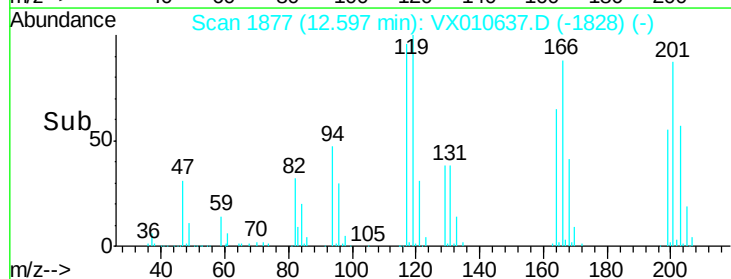
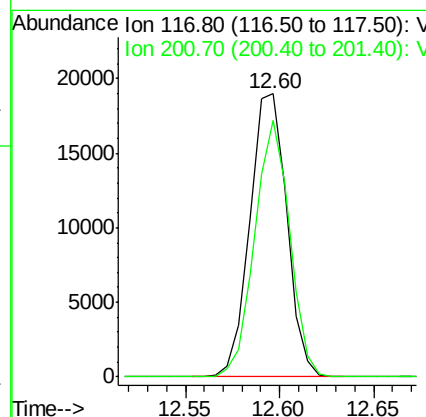
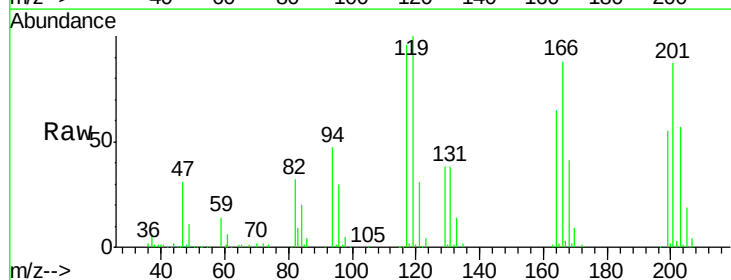
Manual Integrations
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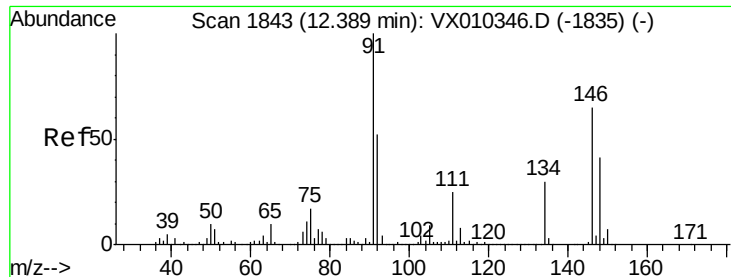
MMDadoda
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#90
Hexachloroethane
Concen: 15.404 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX010637.D
Acq: 03 Jul 2019 14:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	44.0	131.8





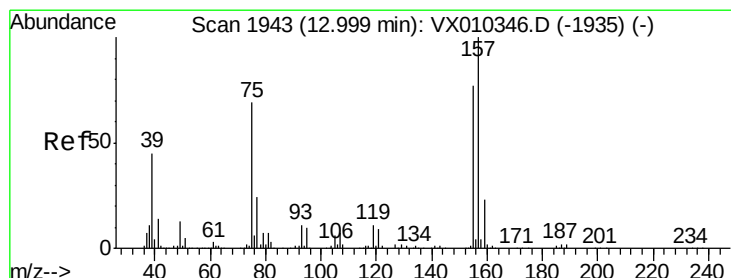
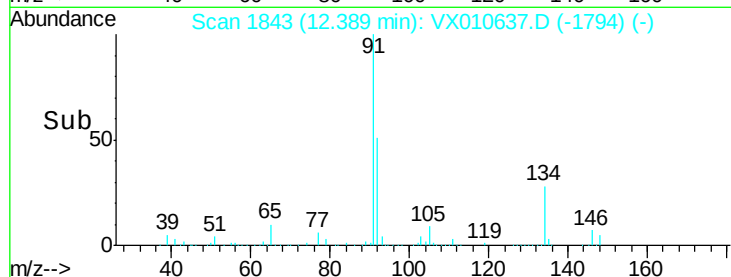
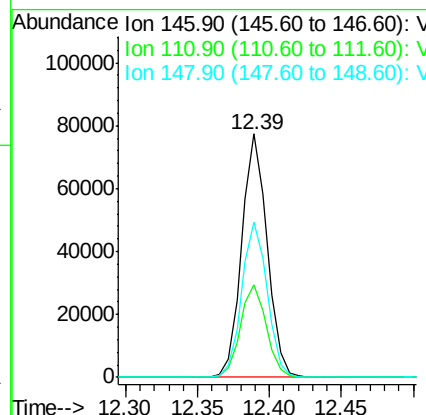
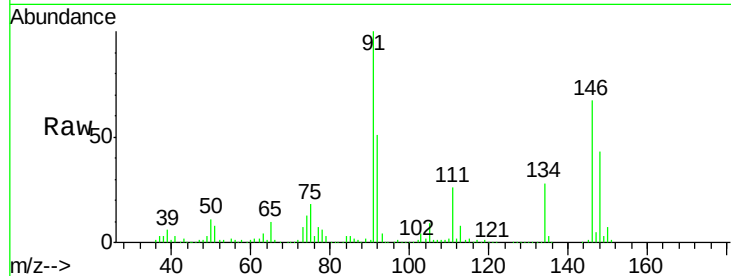
#91
 1,2-Dichlorobenzene
 Concen: 18.209 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010637.D
 Acq: 03 Jul 2019 14:05

Instrument :
 MSVOA_X
 ClientSampled :
 VX0703WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.2	57.6
148	63.8	32.0	96.0

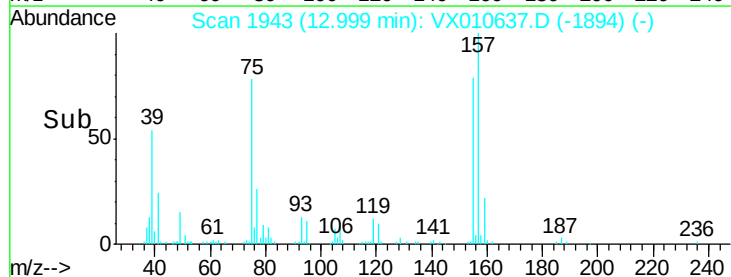
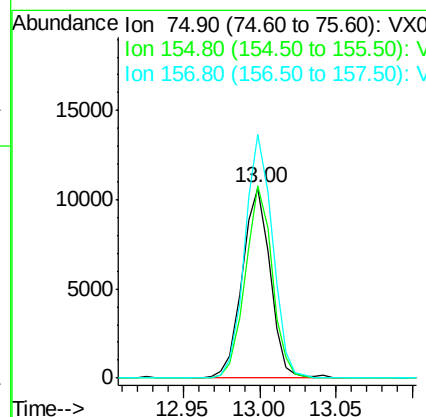
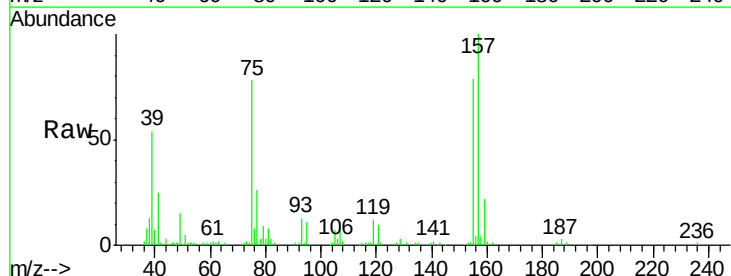
Manual Integrations
 APPROVED

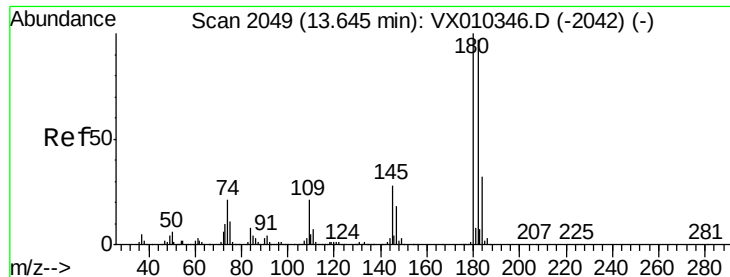
MMDadoda
 7/8/2019 2:41:17 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.571 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010637.D
 Acq: 03 Jul 2019 14:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.7	54.4	163.1
157	126.5	69.5	208.3





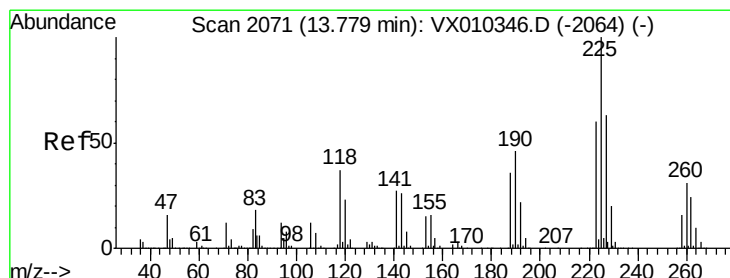
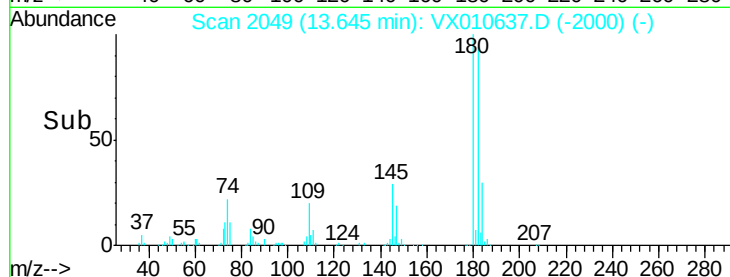
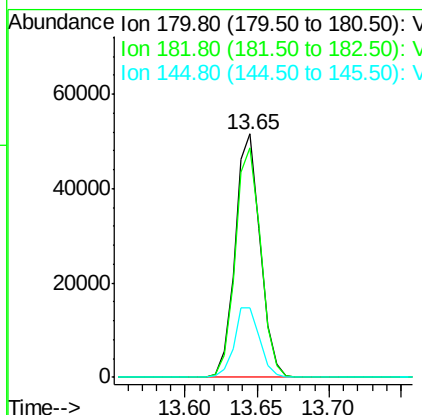
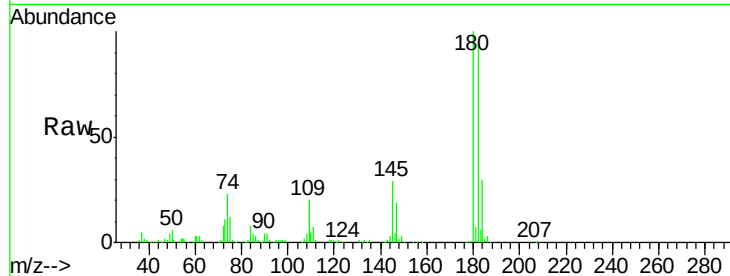
#93
 1,2,4-Trichlorobenzene
 Concen: 17.282 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010637.D
 Acq: 03 Jul 2019 14:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	62582		
182	96.0	48.0	144.0	
145	29.4	14.4	43.4	

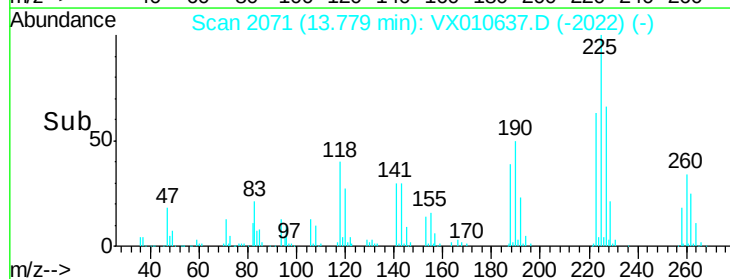
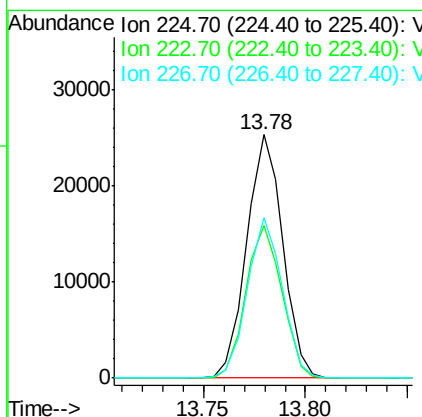
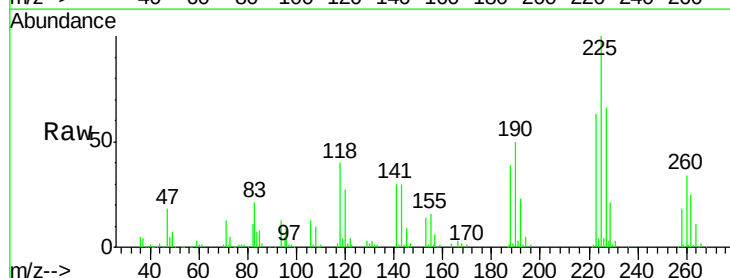
Manual Integrations
 APPROVED

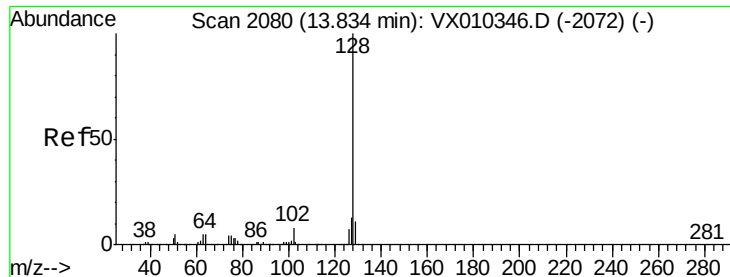
MMDadoda
 7/8/2019 2:41:17 PM



#94
 Hexachlorobutadiene
 Concen: 17.599 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010637.D
 Acq: 03 Jul 2019 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	31148		
223	62.4	30.9	92.7	
227	63.8	31.9	95.5	





#95

Naphthalene

Concen: 17.579 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Instrument :

MSVOA_X

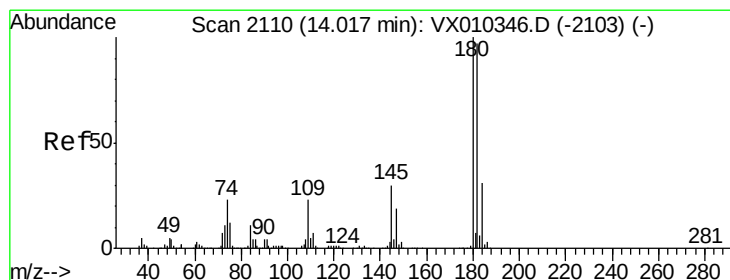
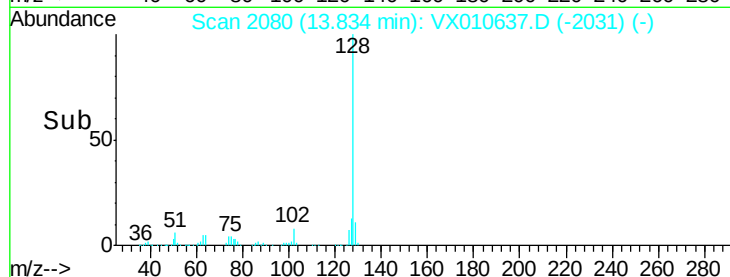
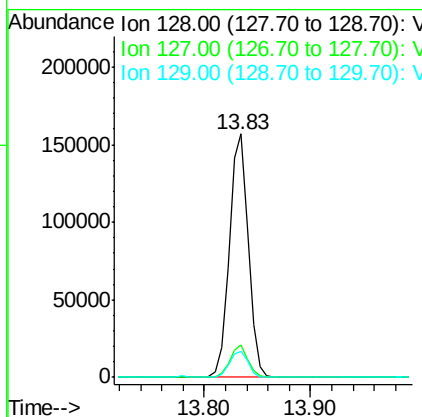
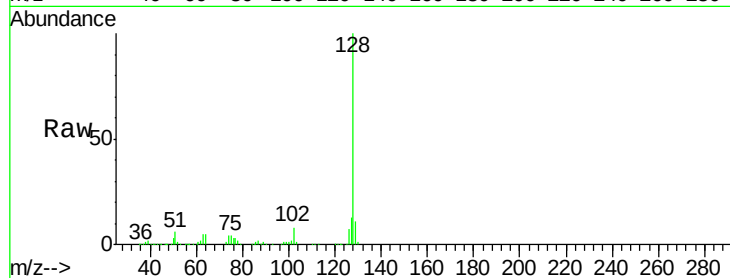
ClientSampleId :

VX0703WBS01

Tot Ion:	128	Resp:	195621
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/8/2019 2:41:17 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.506 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010637.D

Acq: 03 Jul 2019 14:05

Tgt Ion:	180	Resp:	63029
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.8	143.3
145	31.3	15.2	45.6

