

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010799.D
 Acq On : 11 Jul 2019 12:06
 Operator : JC/SP
 Sample : VX0711WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/12/2019 12:22:02 PM

Quant Time: Jul 12 07:10:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	226339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	344086	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	314849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158981	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	95031	44.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.56%	
35) Dibromofluoromethane	5.50	113	90338	42.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.82%	
50) Toluene-d8	8.71	98	331420	41.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.30%	
62) 4-Bromofluorobenzene	11.13	95	120277	41.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.72%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	32180	20.450	ug/l	98
3) Chloromethane	1.33	50	34600	18.883	ug/l	96
4) Vinyl Chloride	1.41	62	37949	18.909	ug/l	97
5) Bromomethane	1.64	94	23203	23.731	ug/l	99
6) Chloroethane	1.72	64	25129	21.223	ug/l	99
7) Trichlorofluoromethane	1.93	101	64808	20.370	ug/l	98
8) Diethyl Ether	2.19	74	23036	20.191	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	36570	18.968	ug/l	98
10) Methyl Iodide	2.51	142	45689	16.605	ug/l	98
11) Tert butyl alcohol	3.04	59	47994	86.429	ug/l	99
12) 1,1-Dichloroethene	2.37	96	36831	18.774	ug/l	98
13) Acrolein	2.29	56	24877	67.532	ug/l	97
14) Allyl chloride	2.73	41	51789	18.594	ug/l	98
15) Acrylonitrile	3.14	53	106028	96.439	ug/l	99
16) Acetone	2.45	43	89983	84.606	ug/l	98
17) Carbon Disulfide	2.57	76	83691	15.901	ug/l	100
18) Methyl Acetate	2.78	43	41417	19.539	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	116760	18.918	ug/l	100
20) Methylene Chloride	2.85	84	42188	19.275	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	38161	18.086	ug/l	98
22) Diisopropyl ether	3.86	45	112178	19.263	ug/l	89
23) Vinyl Acetate	3.82	43	483844	96.177	ug/l	100
24) 1,1-Dichloroethane	3.70	63	65470	19.450	ug/l	99
25) 2-Butanone	4.67	43	143799	92.173	ug/l	98
26) 2,2-Dichloropropane	4.58	77	48309	16.521	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	45280	18.571	ug/l	99
28) Bromochloromethane	5.01	49	27960	17.373	ug/l	96
29) Tetrahydrofuran	5.13	42	91401	94.585	ug/l	99
30) Chloroform	5.21	83	69536	19.200	ug/l	98
31) Cyclohexane	5.58	56	57259	18.680	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	58938	18.430	ug/l	99
36) 1,1-Dichloropropene	5.80	75	49403	18.068	ug/l	98
37) Ethyl Acetate	4.83	43	53495	19.018	ug/l	99
38) Carbon Tetrachloride	5.79	117	51401	17.360	ug/l	97

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 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	62032	17.259	ug/l	93
40) Benzene	6.14	78	158262	18.578	ug/l	100
41) Methacrylonitrile	5.04	41	28307	18.341	ug/l	97
42) 1,2-Dichloroethane	6.20	62	52338	20.184	ug/l	99
43) Isopropyl Acetate	6.45	43	84307	18.115	ug/l	98
44) Trichloroethene	7.21	130	46100	18.086	ug/l	98
45) 1,2-Dichloropropane	7.51	63	40328	18.747	ug/l	100
46) Dibromomethane	7.66	93	28096	18.204	ug/l	97
47) Bromodichloromethane	7.90	83	48821	17.260	ug/l	99
48) Methyl methacrylate	7.77	41	40667	18.799	ug/l	96
49) 1,4-Dioxane	7.74	88	22398	359.421	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	285356	95.870	ug/l	98
52) Toluene	8.78	92	102142	18.208	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	50040	15.780	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	58209	16.891	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	42061	18.180	ug/l	97
56) Ethyl methacrylate	9.18	69	62309	17.778	ug/l	96
57) 1,3-Dichloropropane	9.37	76	67211	18.714	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	137303	82.487	ug/l	100
59) 2-Hexanone	9.49	43	220144	93.974	ug/l	97
60) Dibromochloromethane	9.58	129	42000	16.213	ug/l	99
61) 1,2-Dibromoethane	9.67	107	45850	18.360	ug/l	98
64) Tetrachloroethene	9.34	164	46026	18.074	ug/l	99
65) Chlorobenzene	10.13	112	115784	18.114	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	41409	17.785	ug/l	98
67) Ethyl Benzene	10.25	91	197903	18.339	ug/l	98
68) m/p-Xylenes	10.36	106	151257	36.175	ug/l	99
69) o-Xylene	10.69	106	73989	17.994	ug/l	99
70) Styrene	10.71	104	126038	18.277	ug/l	99
71) Bromoform	10.85	173	30130	14.881	ug/l #	99
73) Isopropylbenzene	11.02	105	198886	18.455	ug/l	98
74) N-amyl acetate	10.90	43	74515	18.296	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	66283	18.572	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	53447m	18.449	ug/l	
77) Bromobenzene	11.26	156	53290	17.709	ug/l	98
78) n-propylbenzene	11.36	91	217800	18.389	ug/l	99
79) 2-Chlorotoluene	11.42	91	129988	18.430	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	164268	18.490	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	16862	13.578	ug/l #	84
82) 4-Chlorotoluene	11.51	91	148129	18.457	ug/l	99
83) tert-Butylbenzene	11.77	119	159072	17.839	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	164077	18.382	ug/l	98
85) sec-Butylbenzene	11.94	105	192199	18.357	ug/l	98
86) p-Isopropyltoluene	12.06	119	178154	18.396	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	94433	17.978	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	94961	17.758	ug/l	98
89) n-Butylbenzene	12.38	91	145694	17.704	ug/l	99
90) Hexachloroethane	12.59	117	24542	14.656	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	95680	18.327	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12381	16.090	ug/l	94

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ClientSampleId :
VX0711WBS01

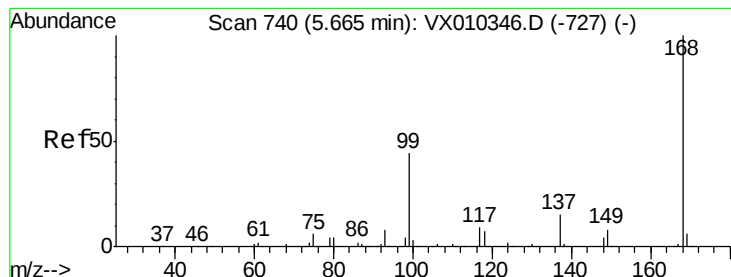
Manual Integrations
APPROVED

MMDadoda
7/12/2019 12:22:02 PM

Quant Time: Jul 12 07:10:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	62839	17.357	ug/l	99
94) Hexachlorobutadiene	13.78	225	29830	16.859	ug/l	99
95) Naphthalene	13.83	128	186684	16.779	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	63089	17.527	ug/l	99

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



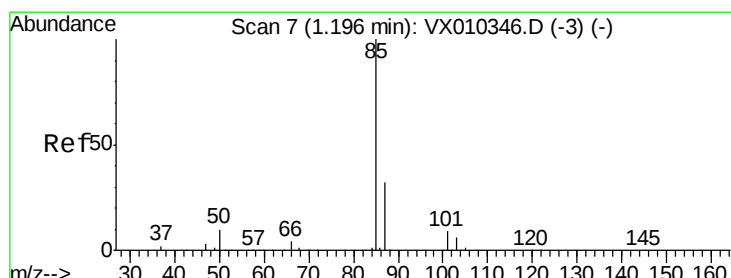
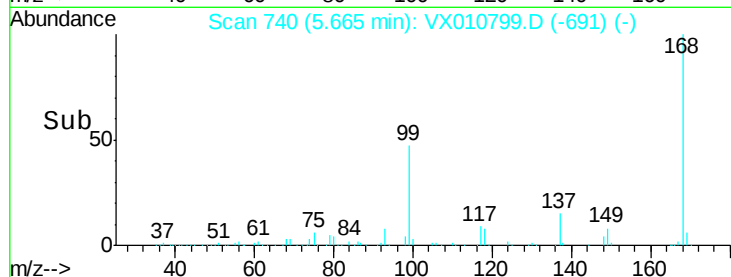
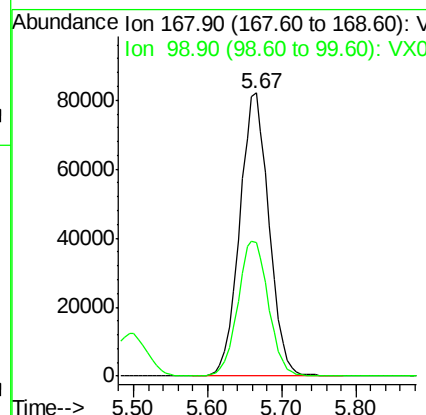
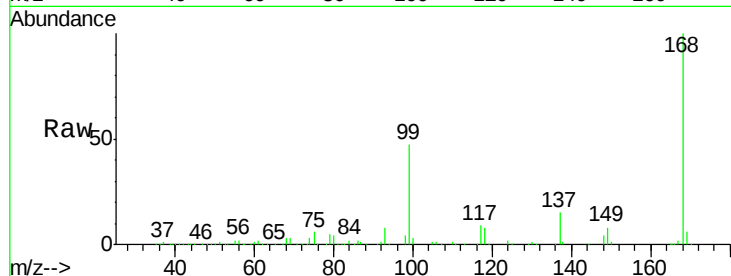
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	226339		
99	47.2	35.5	53.3	

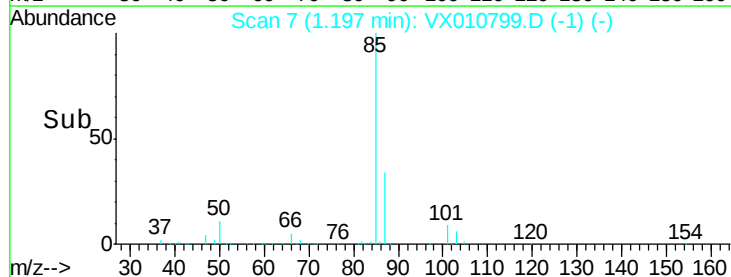
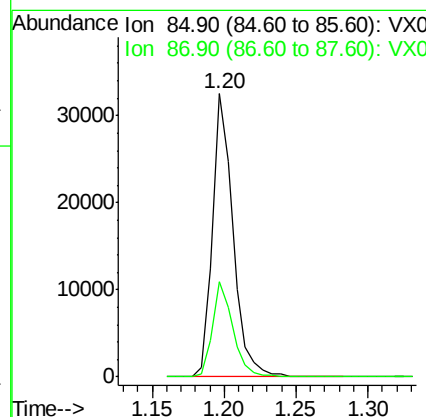
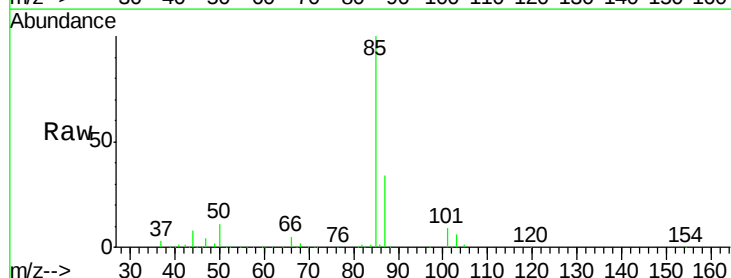
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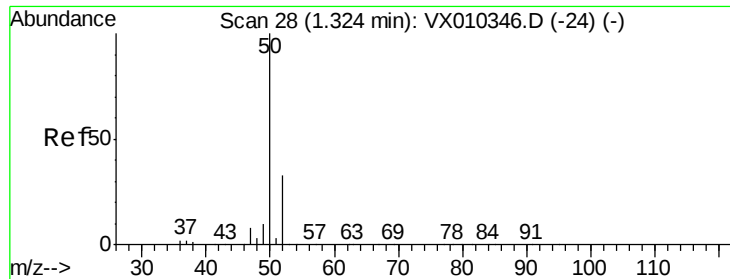
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#2
Dichlorodifluoromethane
Concen: 20.450 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	32180		
87	33.6	16.3	48.8	





#3

Chloromethane

Concen: 18.883 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 50 Resp: 34600

Ion Ratio Lower Upper

50 100

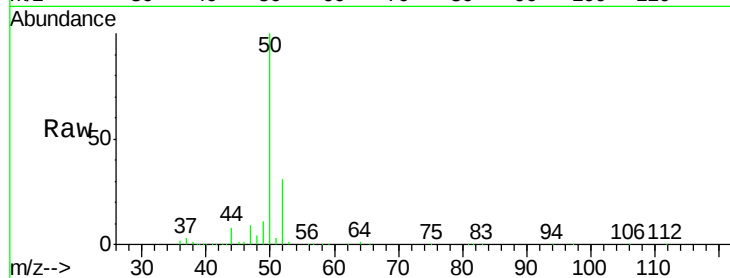
52 30.7 26.5 39.7

Manual Integrations

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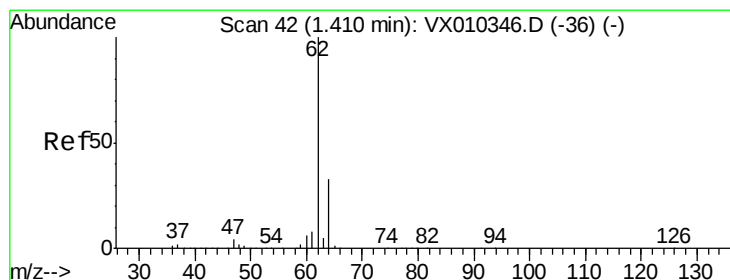
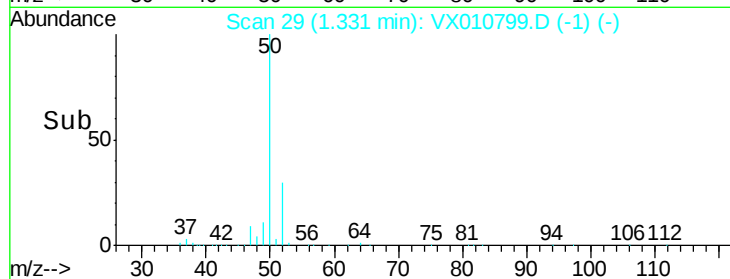
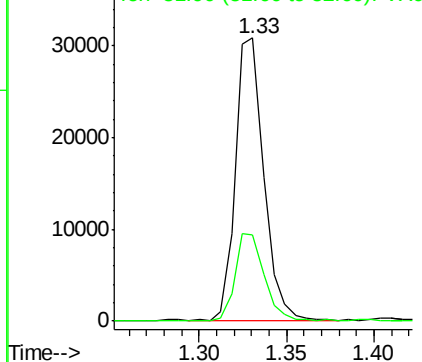
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.909 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010799.D

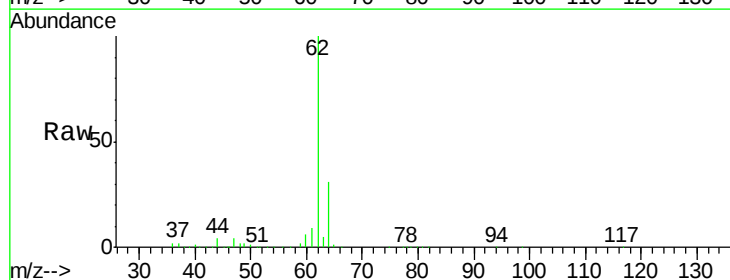
Acq: 11 Jul 2019 12:06

Tgt Ion: 62 Resp: 37949

Ion Ratio Lower Upper

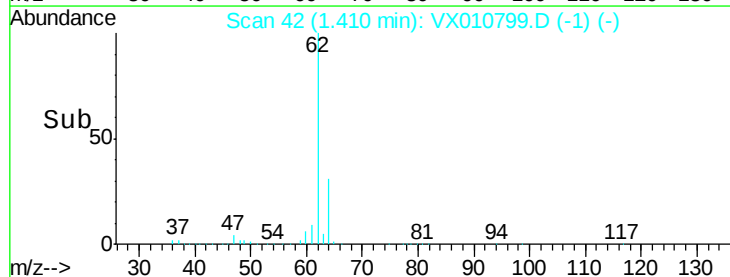
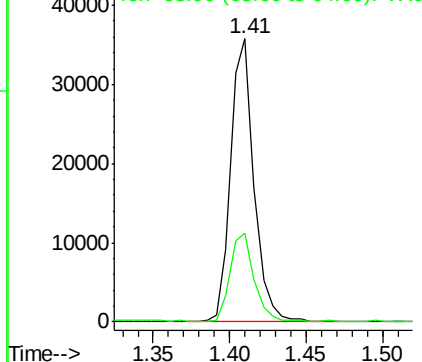
62 100

64 31.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.731 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 94 Resp: 23203

Ion Ratio Lower Upper

94 100

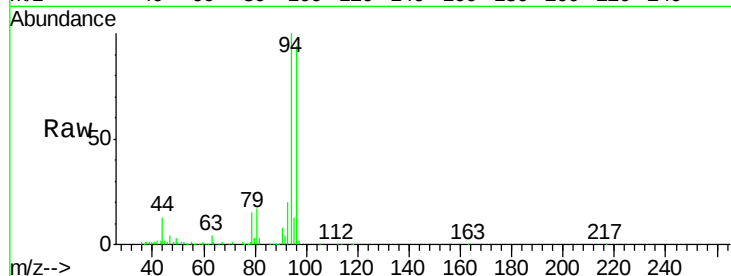
96 93.7 75.5 113.3

Manual Integrations

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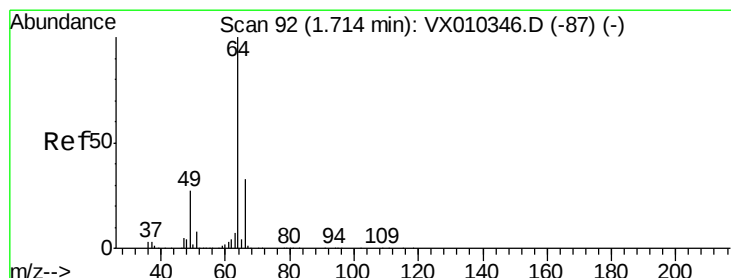
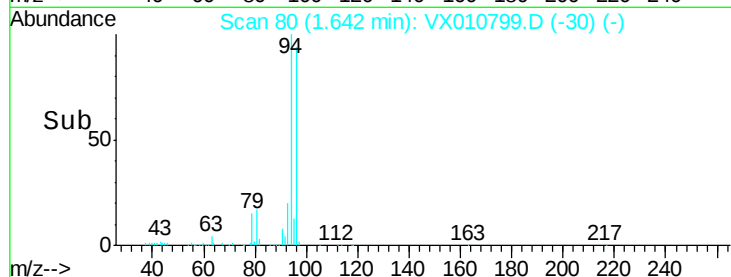
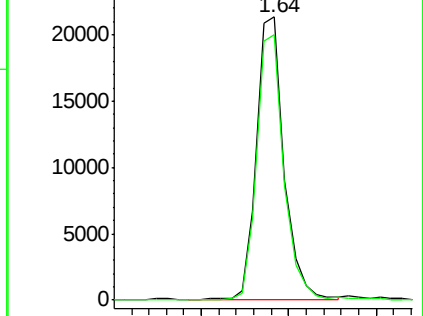
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.223 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010799.D

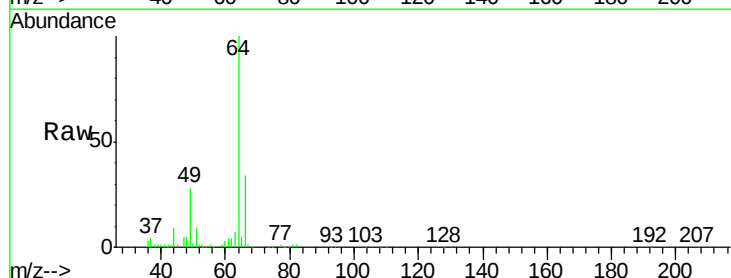
Acq: 11 Jul 2019 12:06

Tgt Ion: 64 Resp: 25129

Ion Ratio Lower Upper

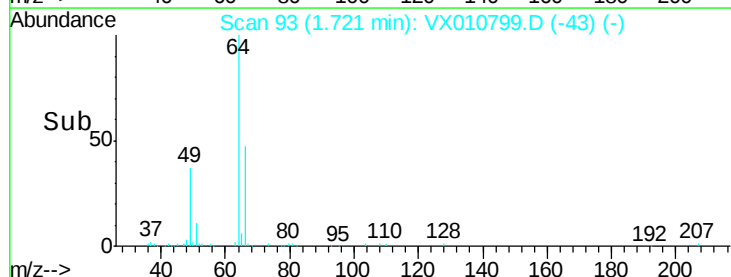
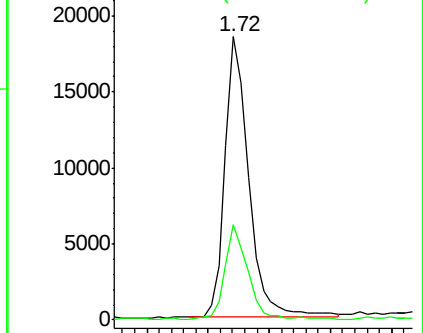
64 100

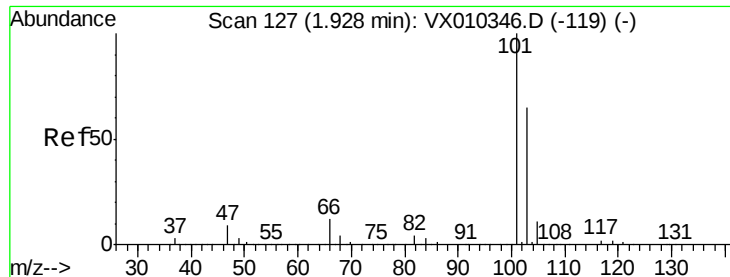
66 33.6 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

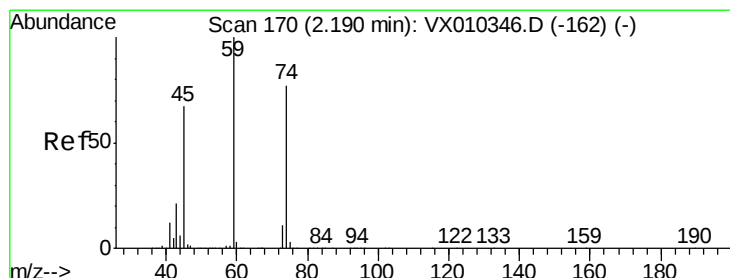
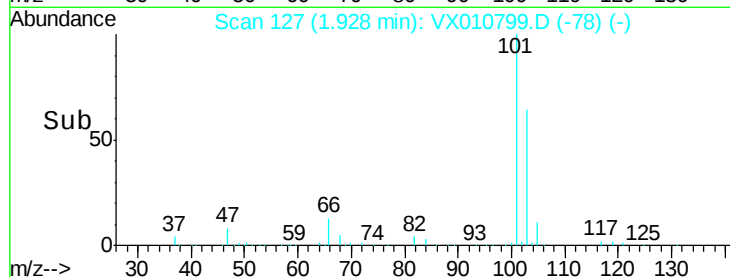
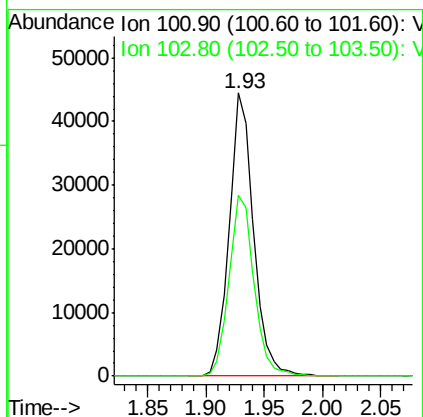
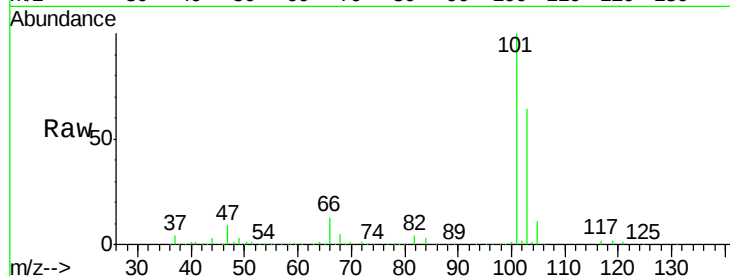
Trichlorofluoromethane
Concen: 20.370 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.3	78.5

Manual Integrations
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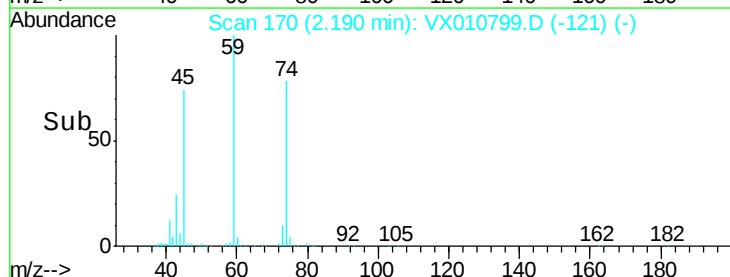
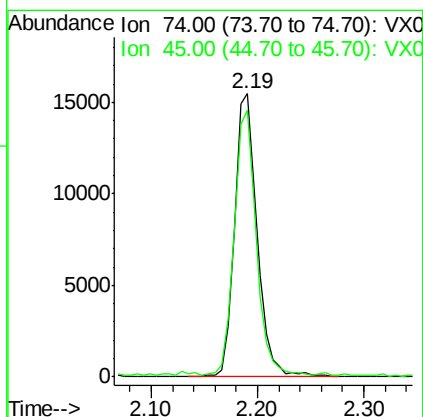
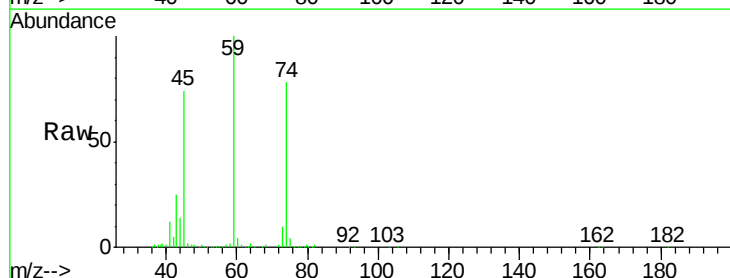
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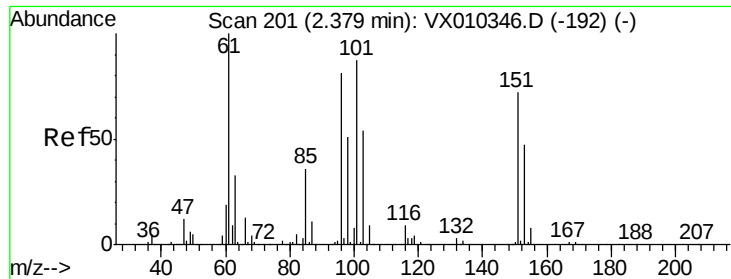


#8

Diethyl Ether
Concen: 20.191 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.968 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

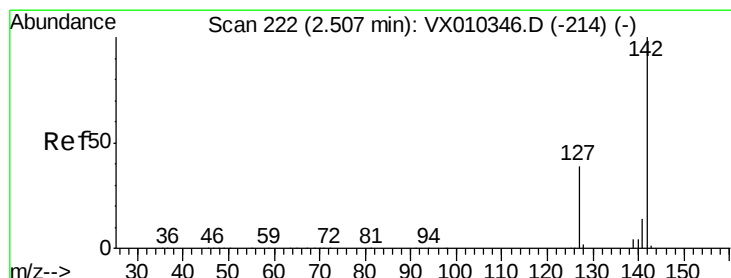
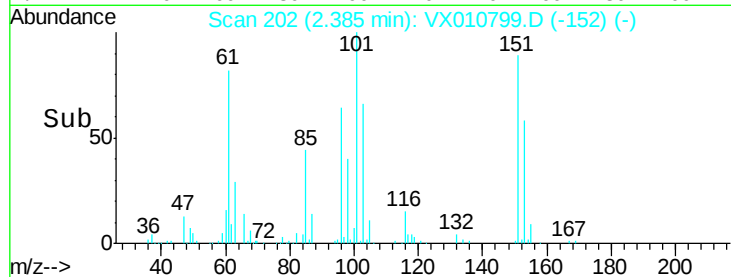
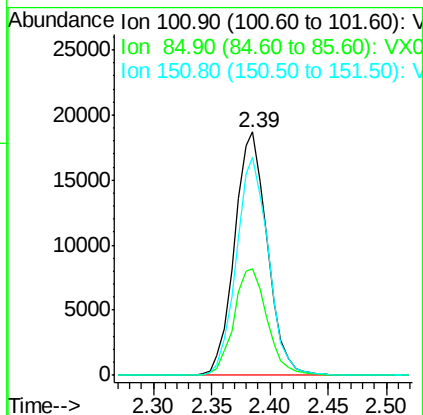
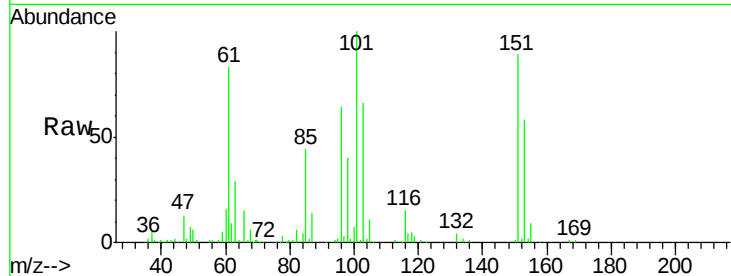
ClientSampleId :

VX0711WBS01

Tot Ion:	101	Resp:	36570
Ion Ratio	Lower	Upper	
101	100		
85	44.6	33.7	50.5
151	88.1	70.1	105.1

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#10

Methyl Iodide

Concen: 16.605 ug/l

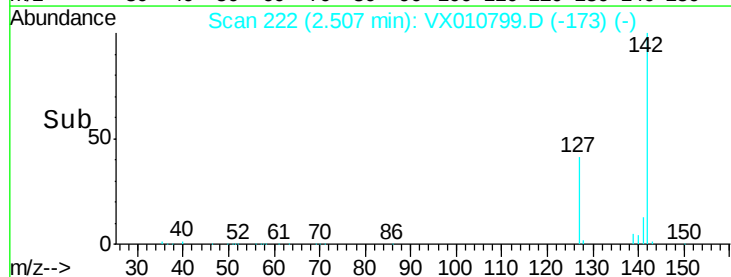
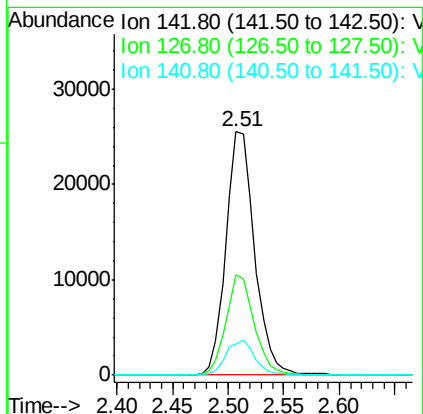
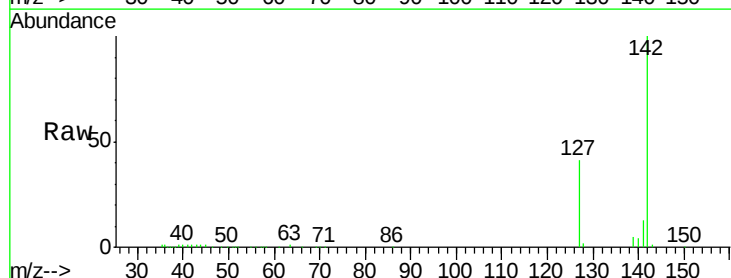
RT: 2.51 min Scan# 222

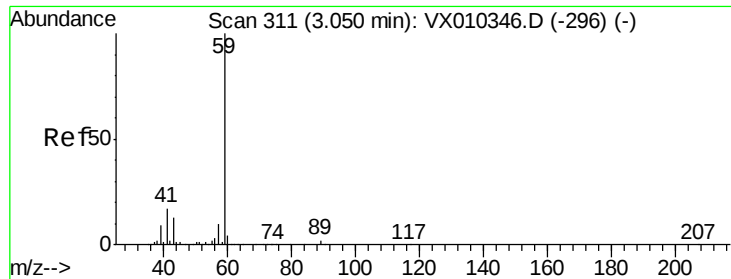
Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Tgt Ion:	142	Resp:	45689
Ion Ratio	Lower	Upper	
142	100		
127	40.6	31.1	46.7
141	14.4	11.2	16.8





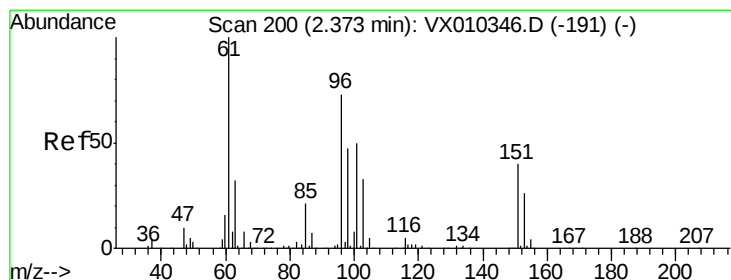
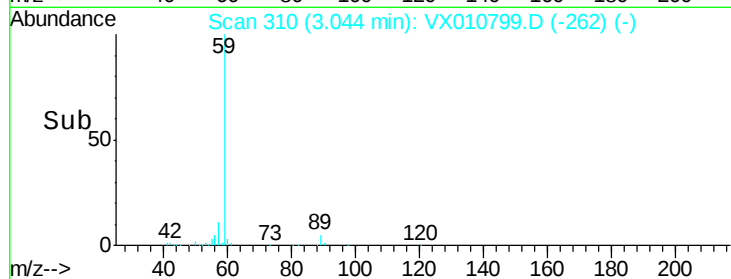
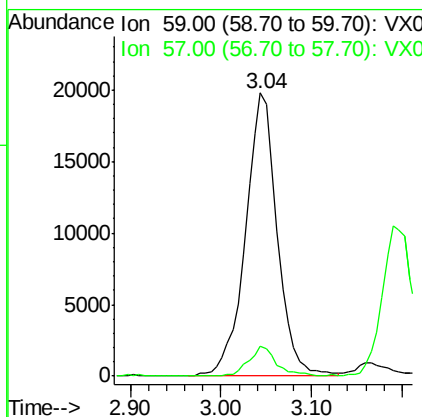
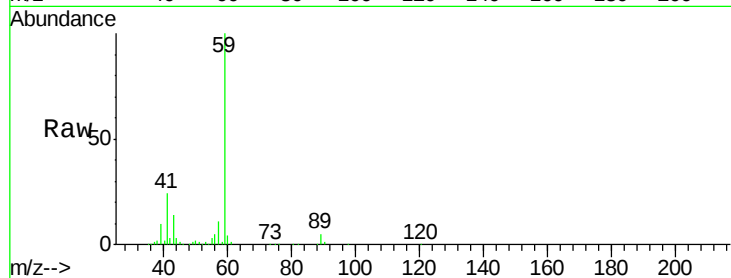
#11
Tert butyl alcohol
Concen: 86.429 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion: 59 Resp: 47994
Ion Ratio Lower Upper
59 100
57 9.2 7.7 11.5

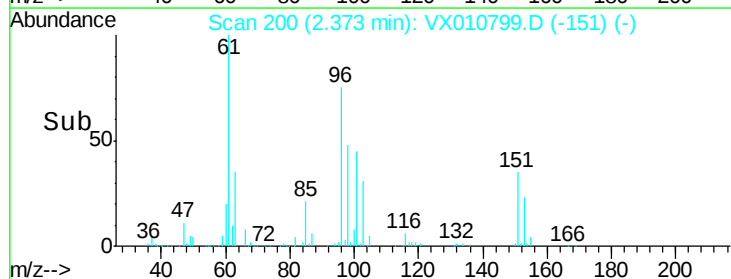
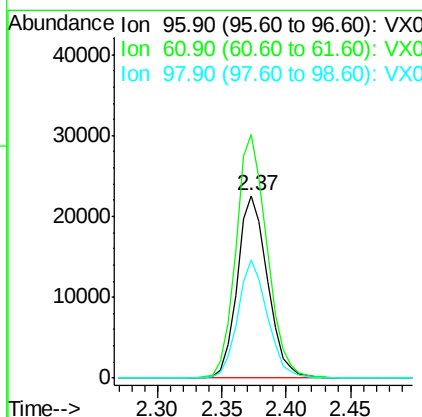
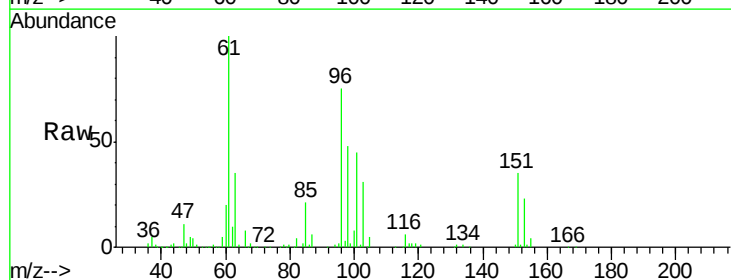
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 18.774 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Tgt Ion: 96 Resp: 36831
Ion Ratio Lower Upper
96 100
61 133.3 109.2 163.8
98 64.4 51.1 76.7





#13

Acrolein

Concen: 67.532 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 56 Resp: 24877

Ion Ratio Lower Upper

56 100

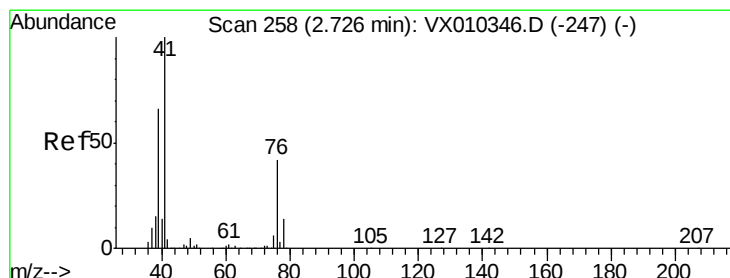
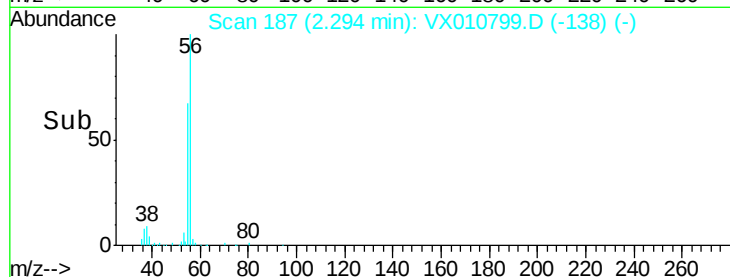
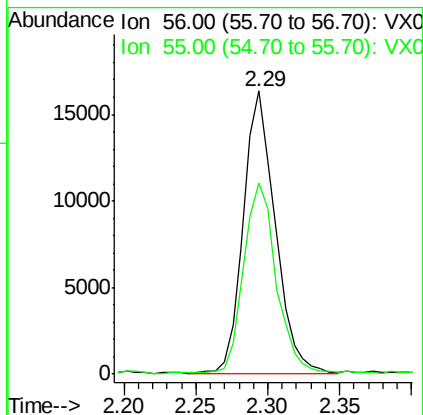
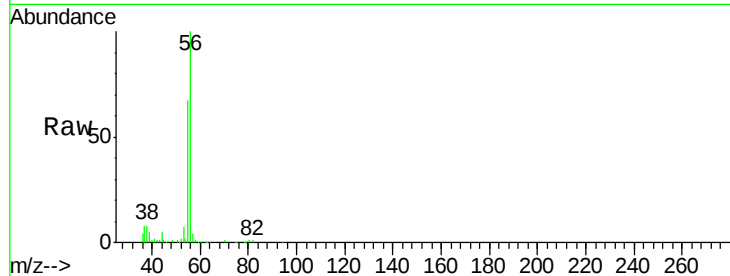
55 68.4 56.9 85.3

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#14

Allyl chloride

Concen: 18.594 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

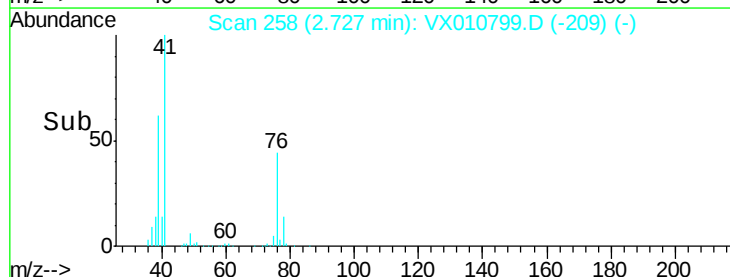
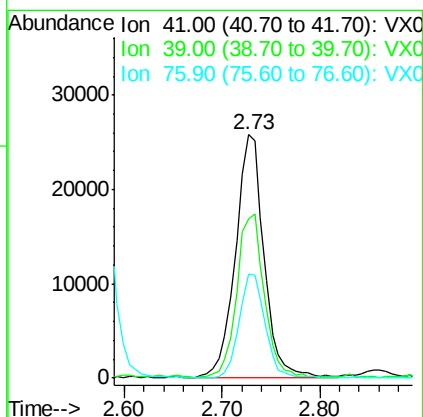
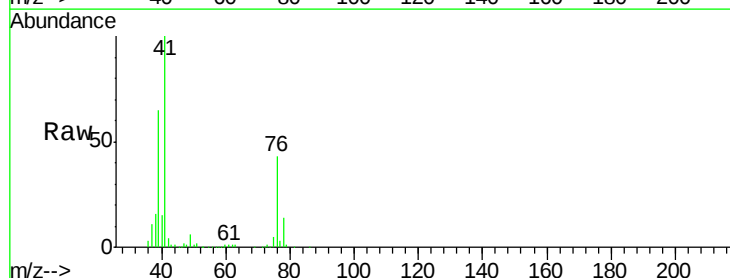
Tgt Ion: 41 Resp: 51789

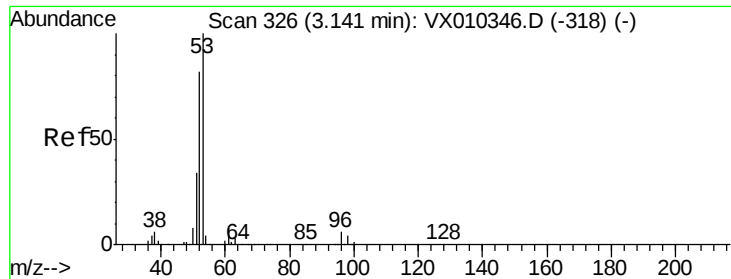
Ion Ratio Lower Upper

41 100

39 65.1 50.3 75.5

76 39.3 31.3 46.9





#15

Acrylonitrile

Concen: 96.439 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

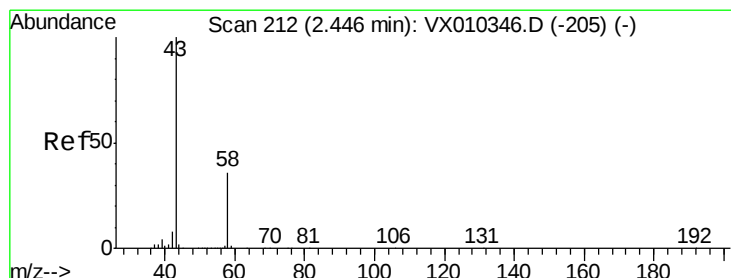
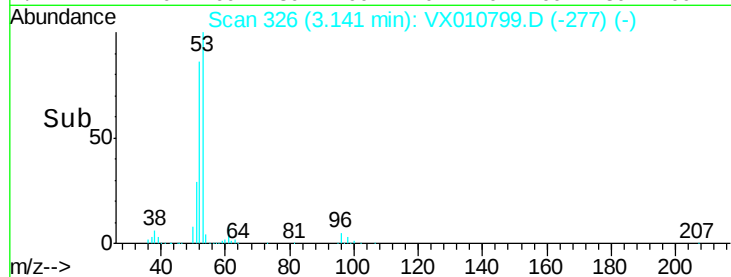
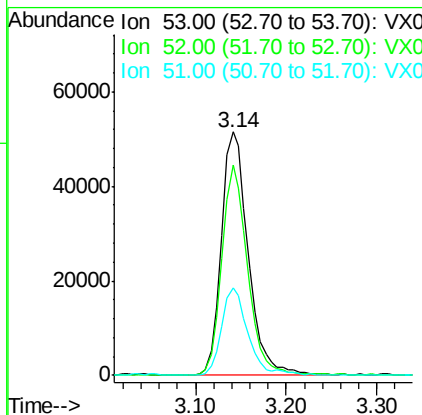
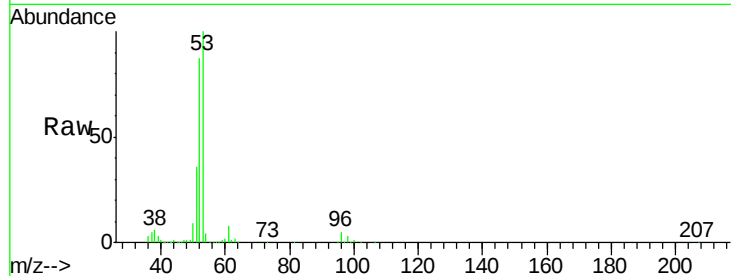
ClientSampleId :

VX0711WBS01

Tot Ion:	53	Resp:	106028
Ion Ratio		Lower	Upper
53	100		
52	83.4	65.5	98.3
51	35.8	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 84.606 ug/l

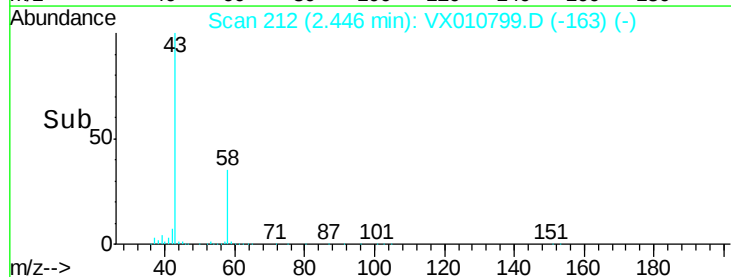
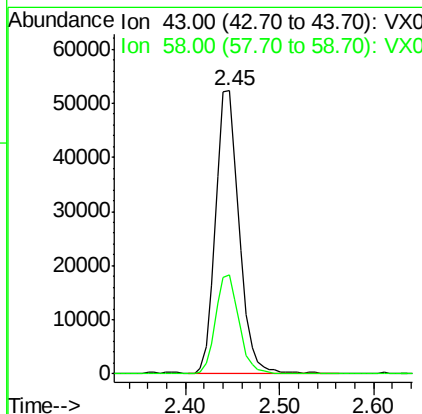
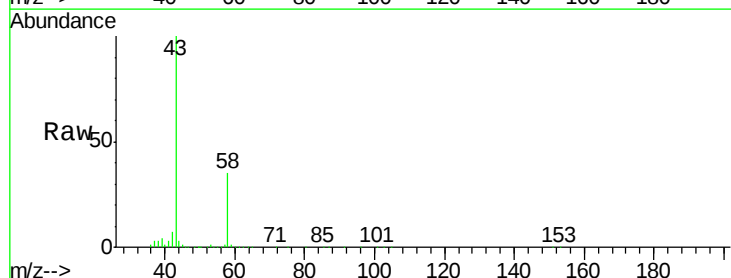
RT: 2.45 min Scan# 212

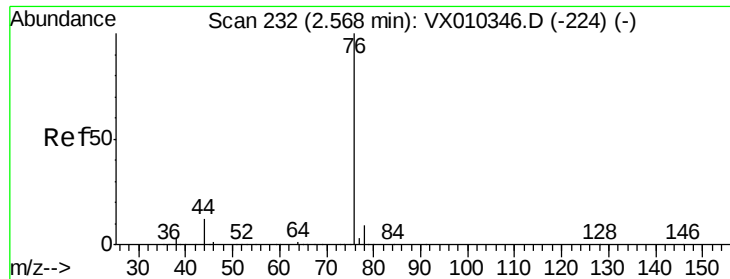
Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Tgt Ion:	43	Resp:	89983
Ion Ratio		Lower	Upper
43	100		
58	35.1	28.9	43.3





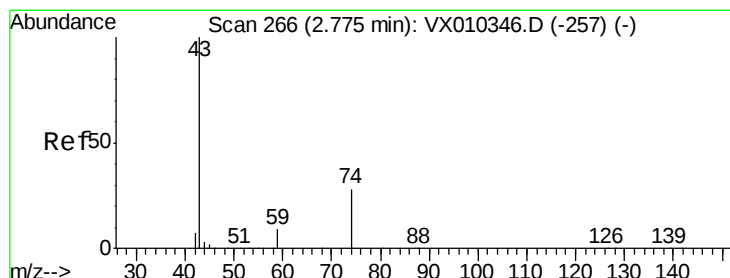
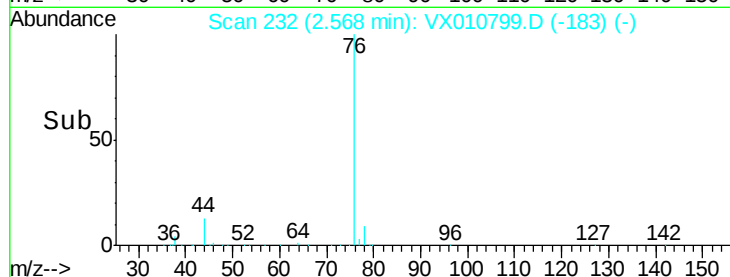
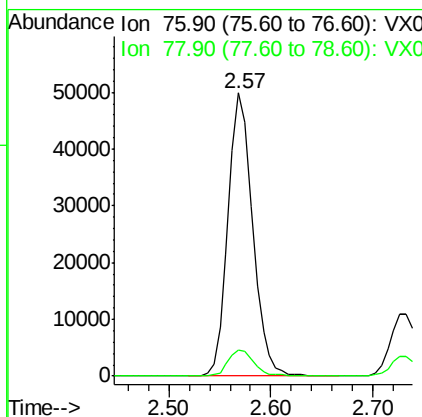
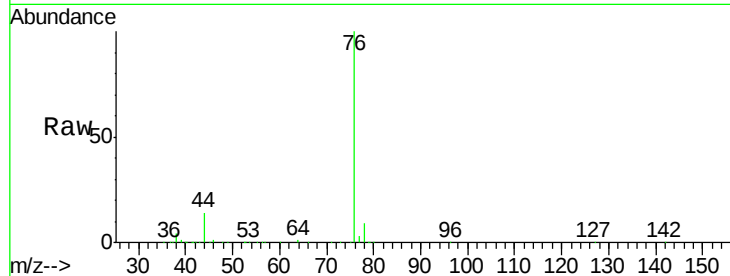
#17
Carbon Disulfide
Concen: 15.901 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion: 76 Resp: 83691
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

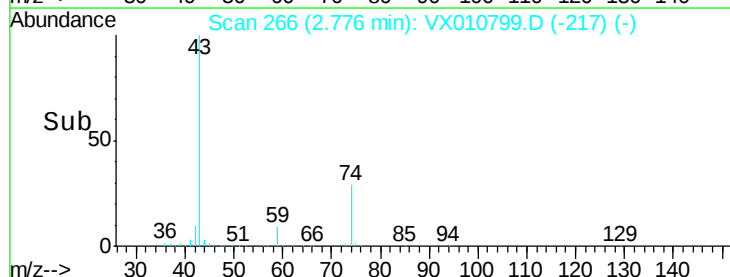
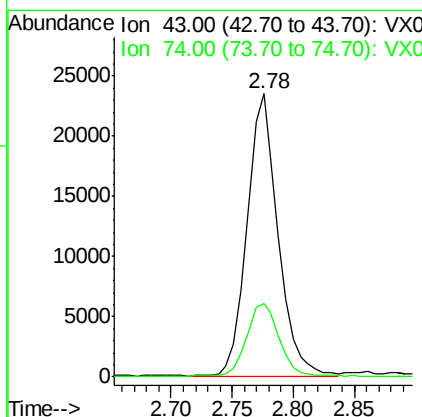
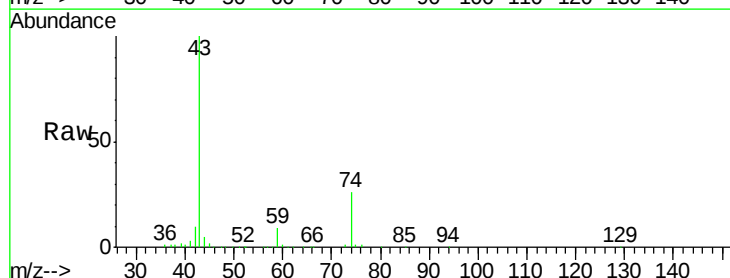
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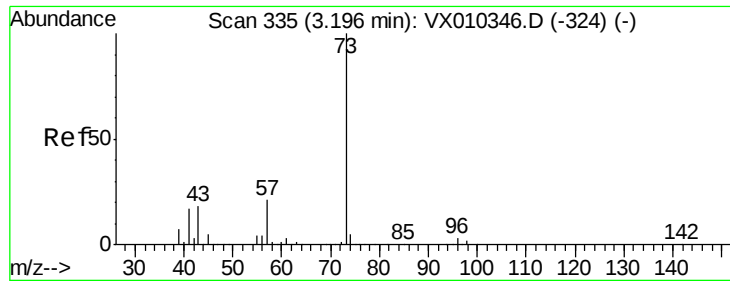
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#18
Methyl Acetate
Concen: 19.539 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Tgt Ion: 43 Resp: 41417
Ion Ratio Lower Upper
43 100
74 28.2 21.3 31.9





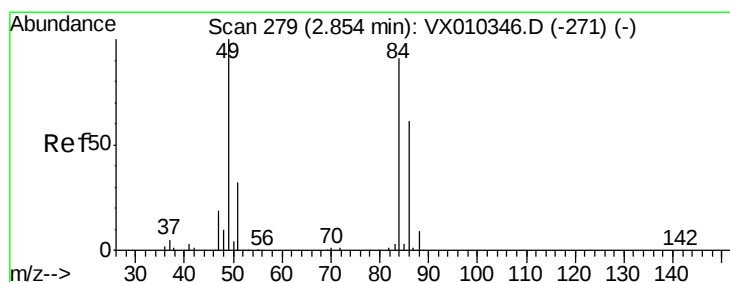
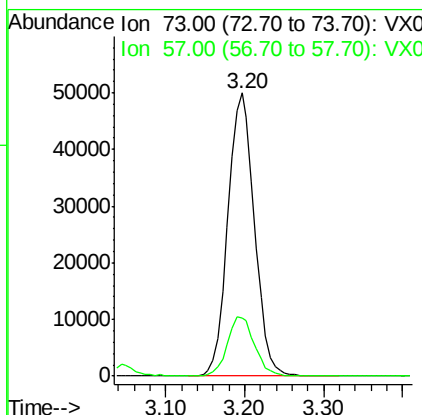
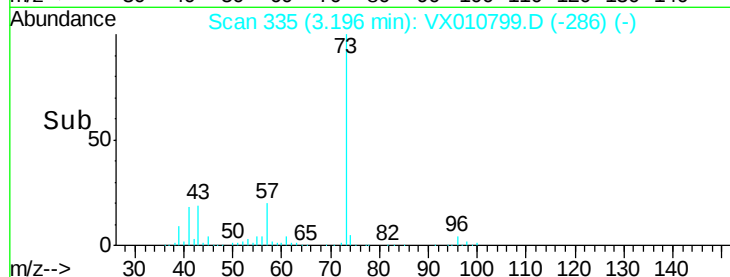
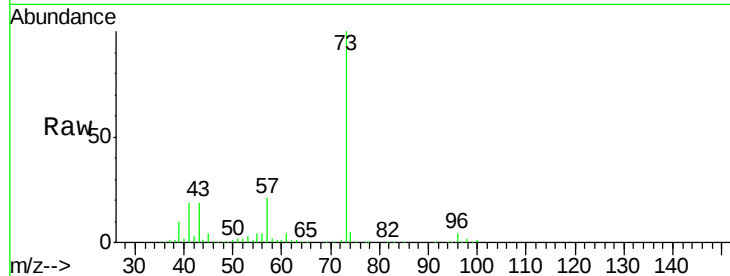
#19
Methyl tert-butyl Ether
Concen: 18.918 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion: 73 Resp: 116760
Ion Ratio Lower Upper
73 100
57 20.5 16.4 24.6

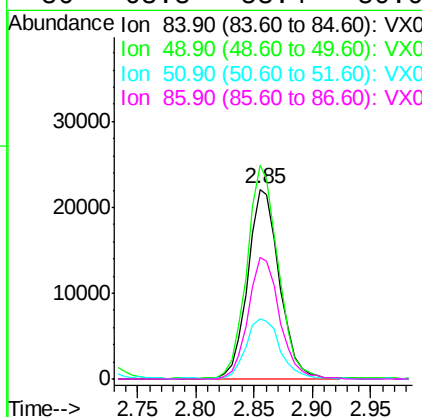
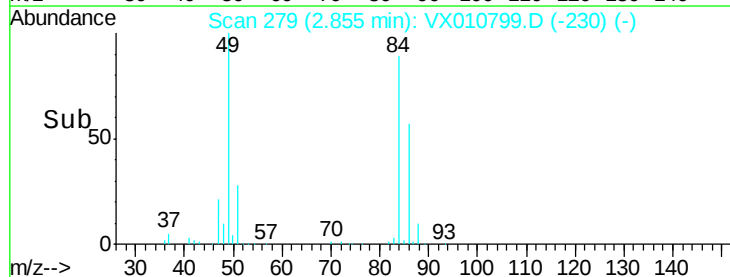
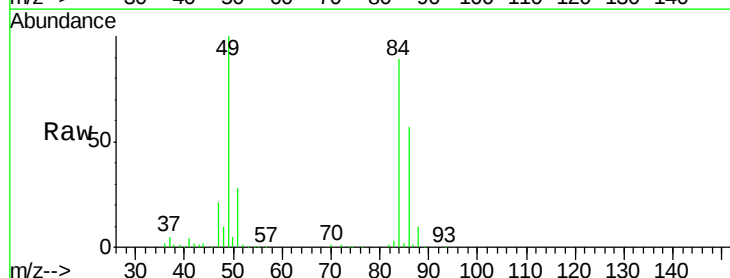
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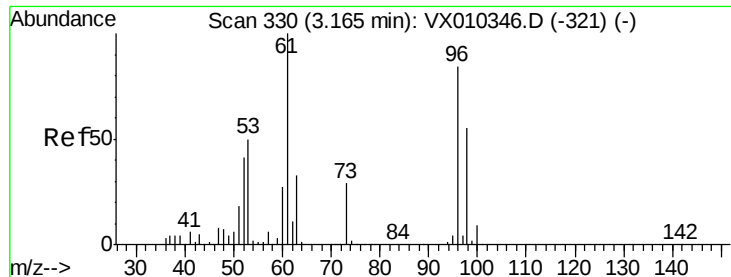
MMDadoda
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#20
Methylene Chloride
Concen: 19.275 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Tgt Ion: 84 Resp: 42188
Ion Ratio Lower Upper
84 100
49 112.6 87.5 131.3
51 31.5 27.7 41.5
86 63.8 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 18.086 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

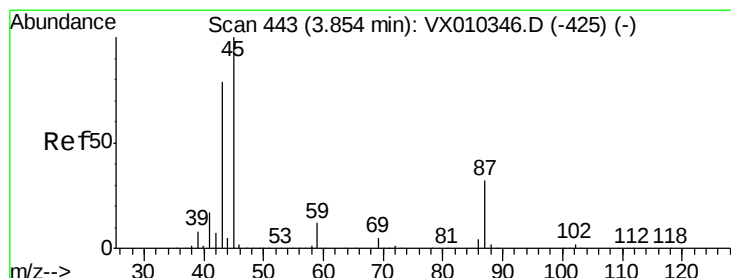
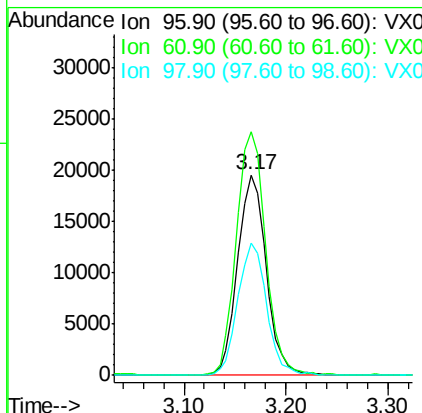
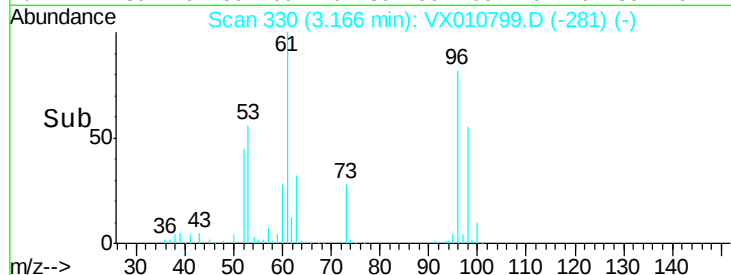
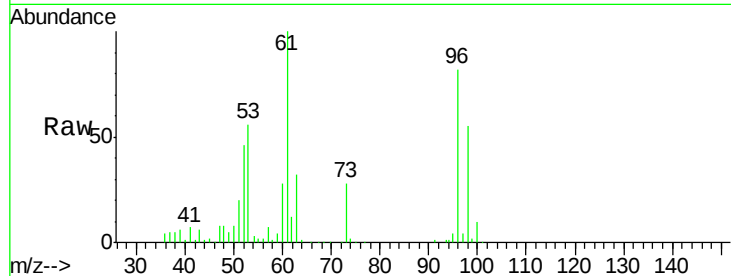
ClientSampleId :

VX0711WBS01

Tot Ion:	96	Resp:	38161
Ion	Ratio	Lower	Upper
96	100		
61	121.7	95.6	143.4
98	66.3	52.5	78.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.263 ug/l

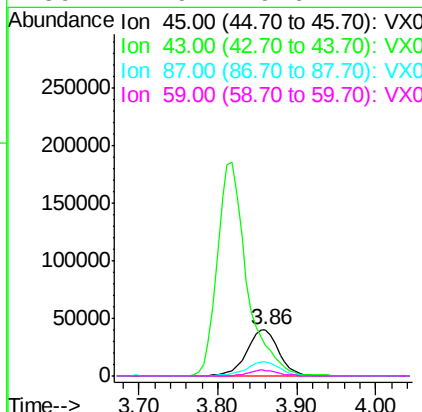
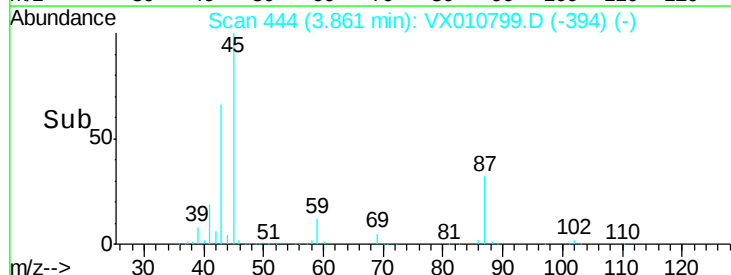
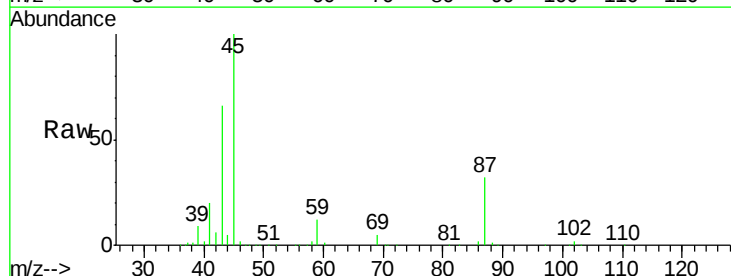
RT: 3.86 min Scan# 444

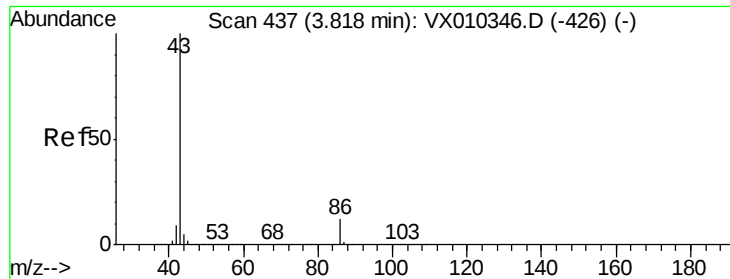
Delta R.T. 0.01 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Tgt Ion:	45	Resp:	112178
Ion	Ratio	Lower	Upper
45	100		
43	65.2	63.3	94.9
87	31.6	25.8	38.8
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 96.177 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 43 Resp: 483844

Ion Ratio Lower Upper

43 100

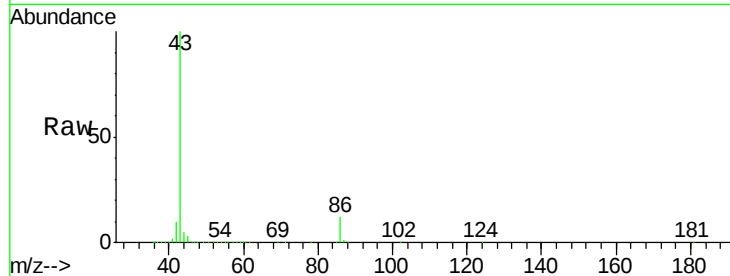
86 12.2 9.9 14.9

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

200000

150000

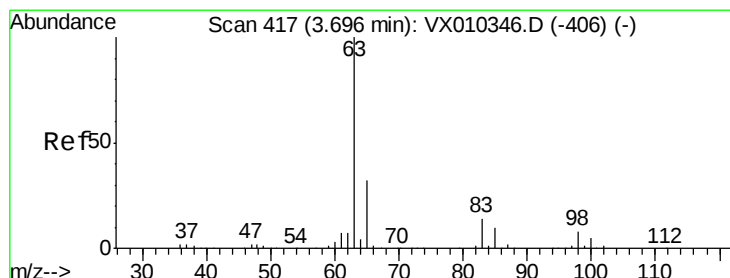
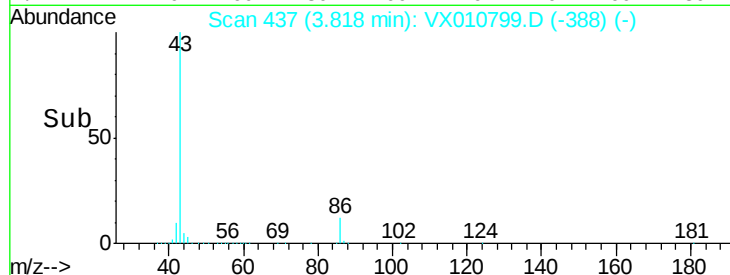
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.450 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

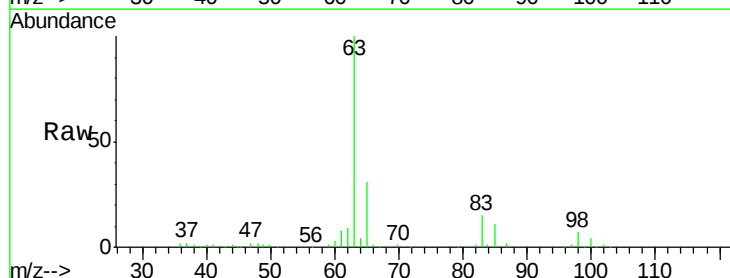
Tgt Ion: 63 Resp: 65470

Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.7

100 4.4 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

30000

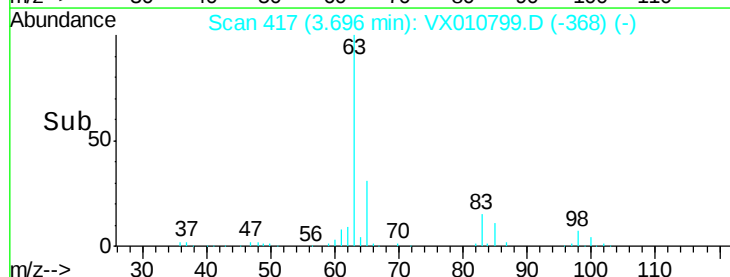
20000

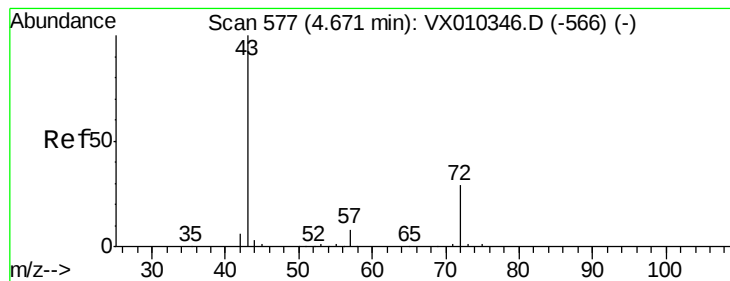
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 92.173 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 43 Resp: 143799

Ion Ratio Lower Upper

43 100

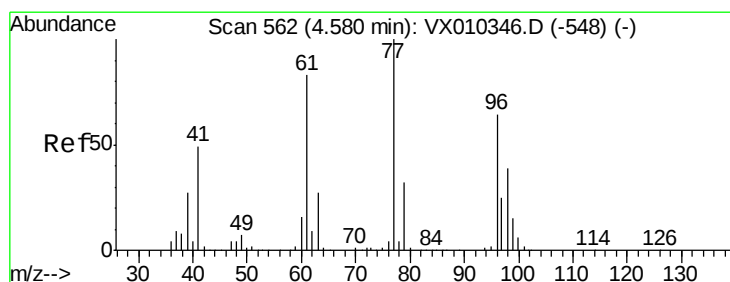
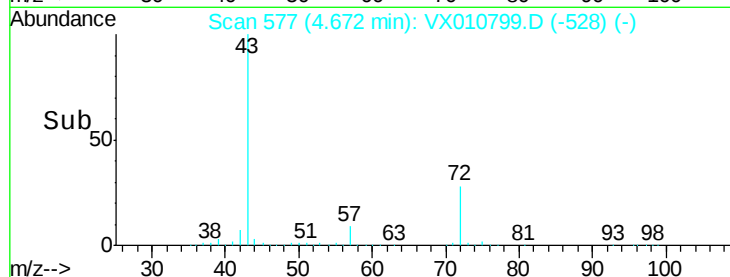
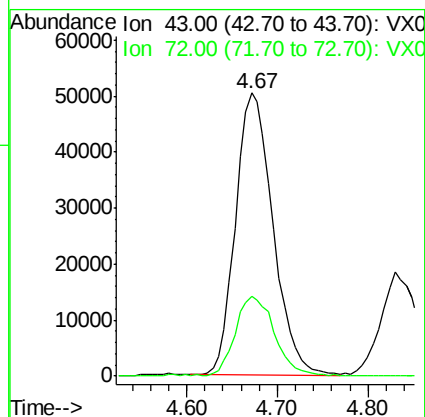
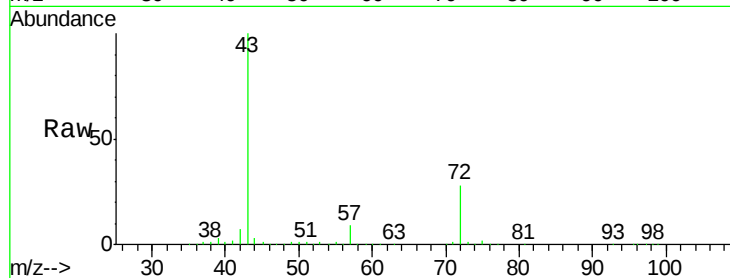
72 28.2 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.521 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010799.D

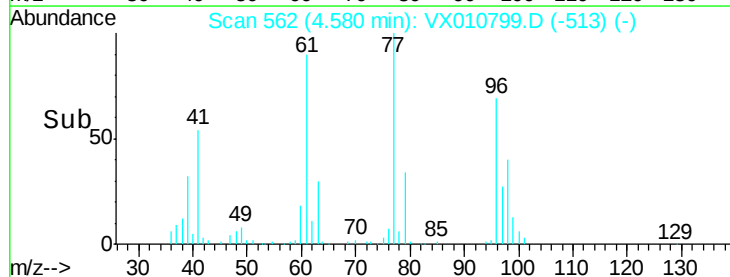
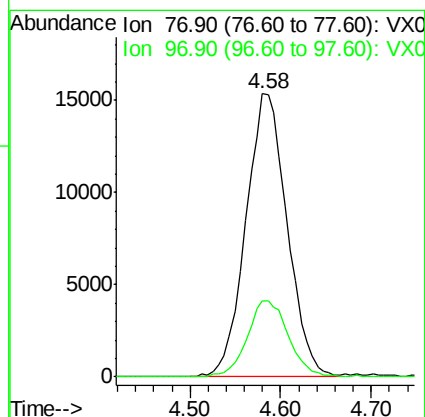
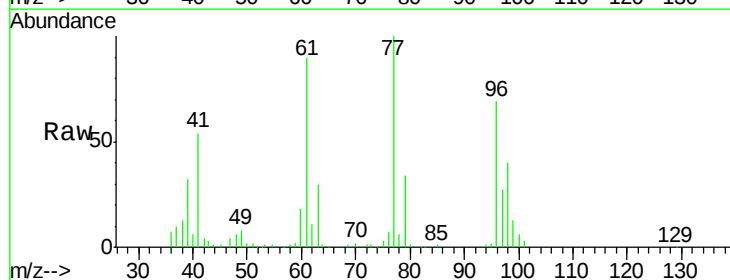
Acq: 11 Jul 2019 12:06

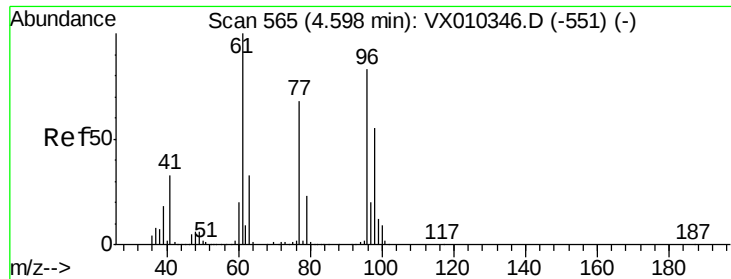
Tgt Ion: 77 Resp: 48309

Ion Ratio Lower Upper

77 100

97 27.0 13.1 39.3





#27

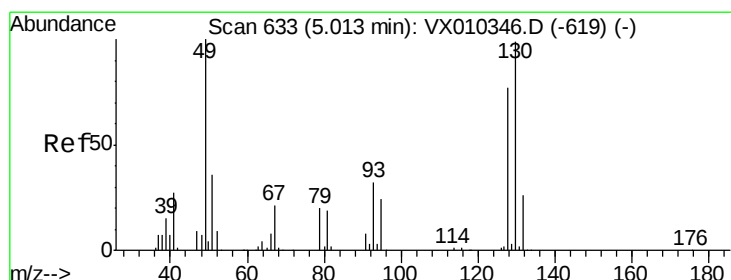
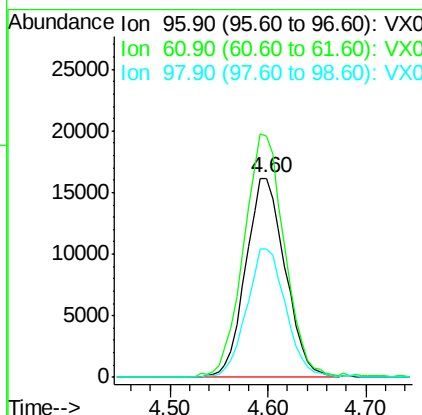
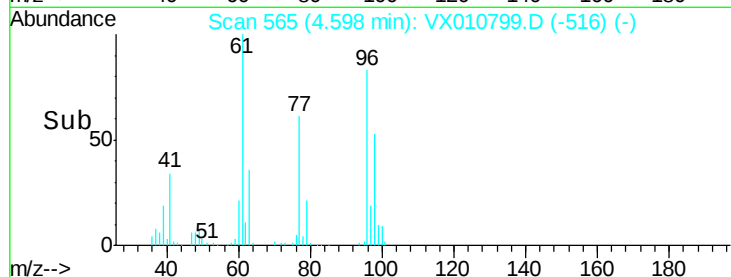
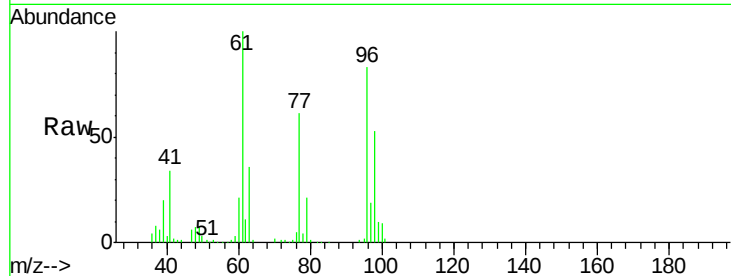
cis-1,2-Dichloroethene
Concen: 18.571 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Instrument :
MSVOA_X
ClientSampled :
VX0711WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.4	0.0	251.8
98	64.1	0.0	129.4

Manual Integrations
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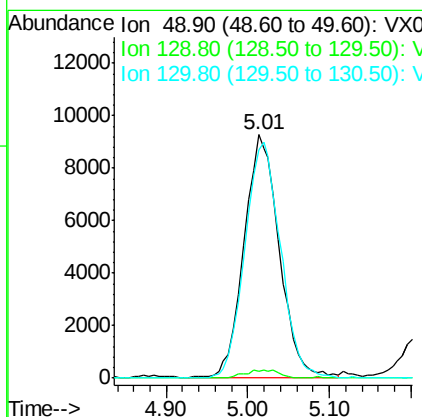
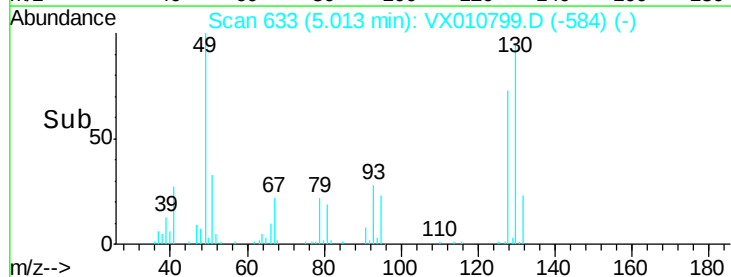
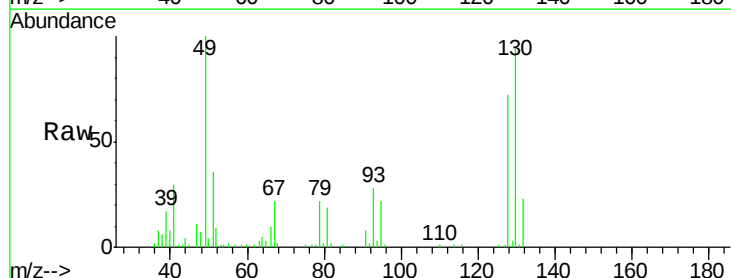
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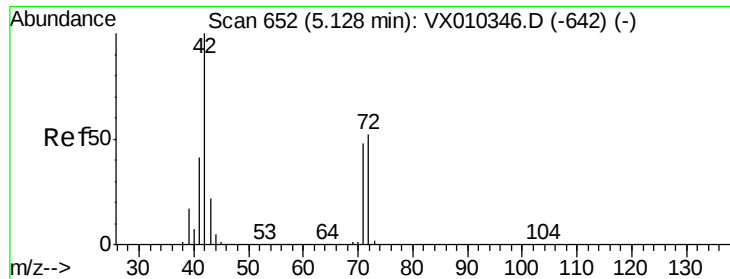


#28

Bromochloromethane
Concen: 17.373 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.6
130	97.7	81.4	122.0





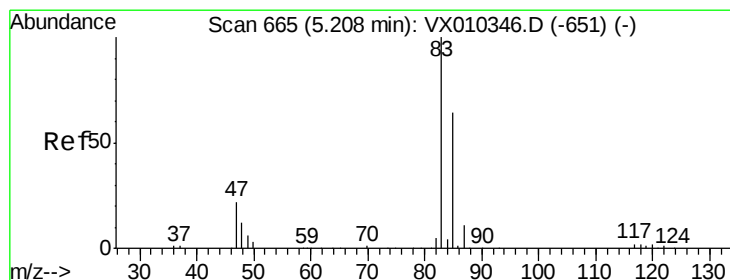
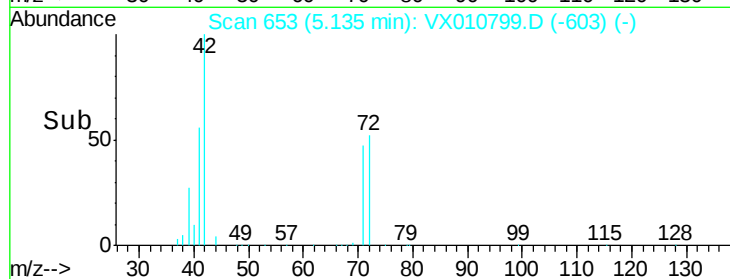
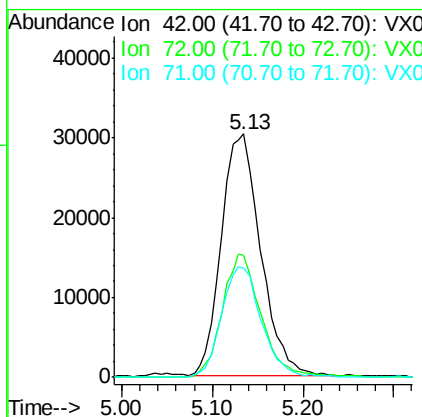
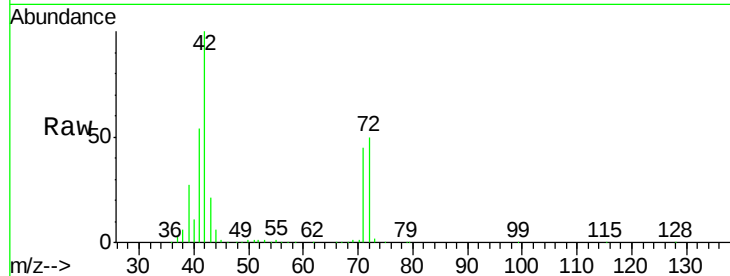
#29
Tetrahydrofuran
Concen: 94.585 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.5	40.6	60.8
71	46.7	37.8	56.8

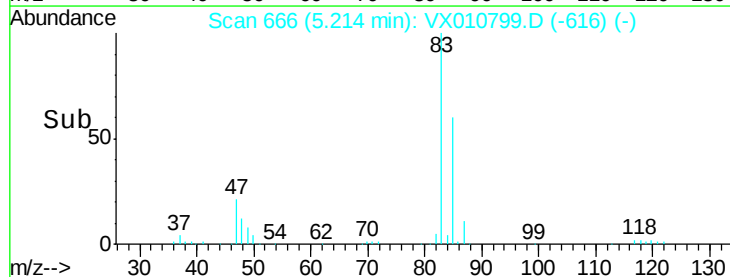
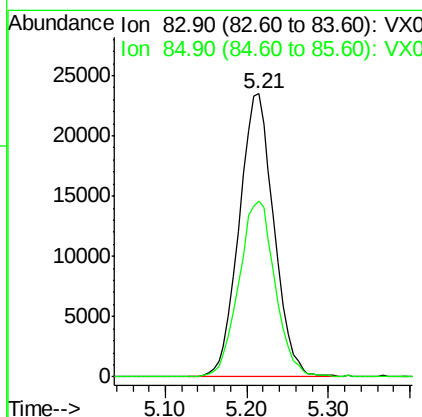
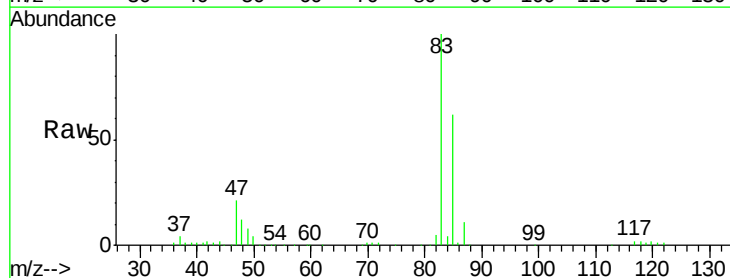
Manual Integrations
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#30
Chloroform
Concen: 19.200 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.9	76.3





#31

Cyclohexane

Concen: 18.680 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 56 Resp: 57259

Ion Ratio Lower Upper

56 100

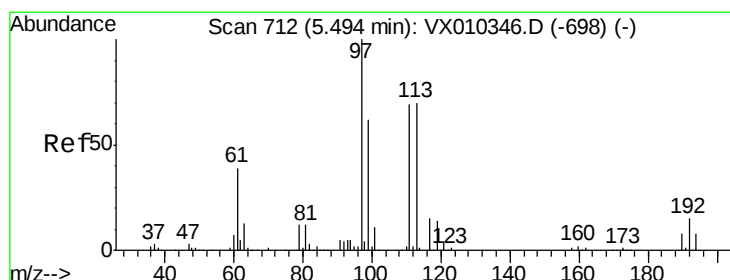
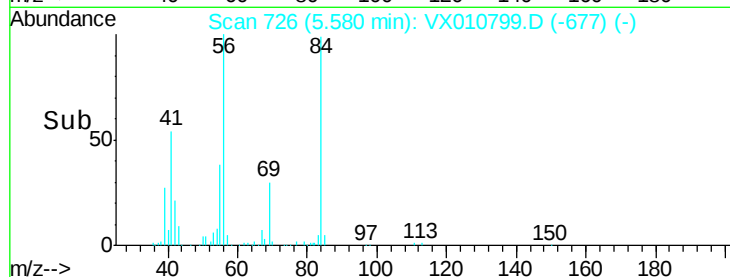
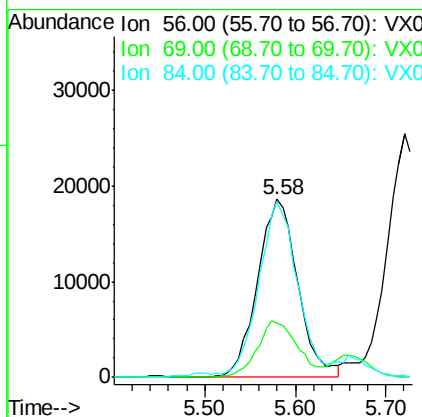
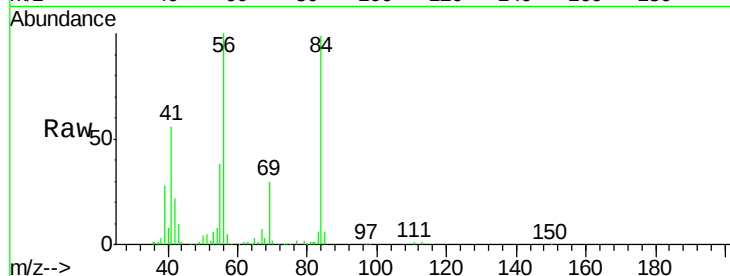
69 29.7 25.9 38.9

84 97.9 78.0 117.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.430 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

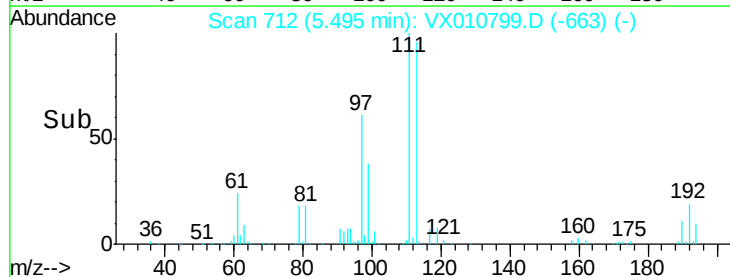
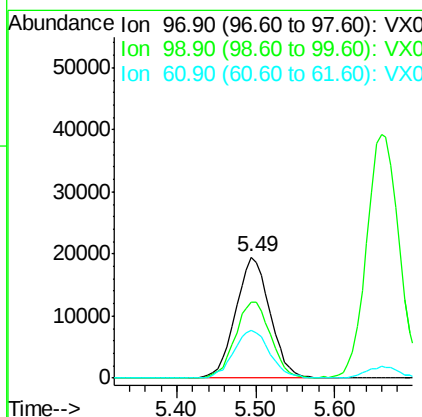
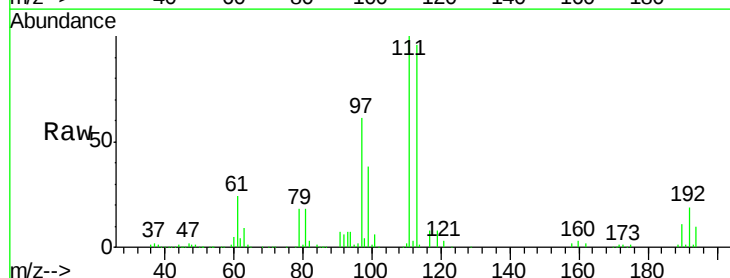
Tgt Ion: 97 Resp: 58938

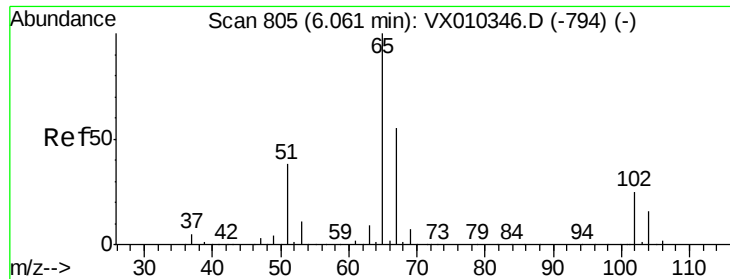
Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.8

61 41.5 32.1 48.1





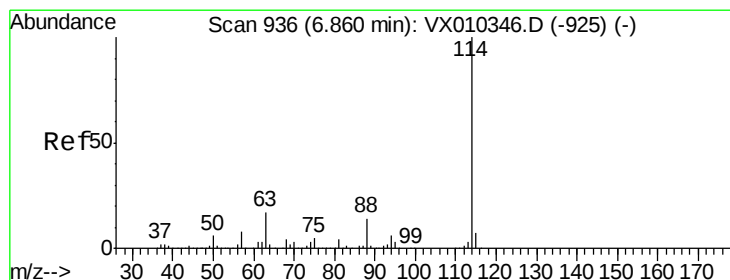
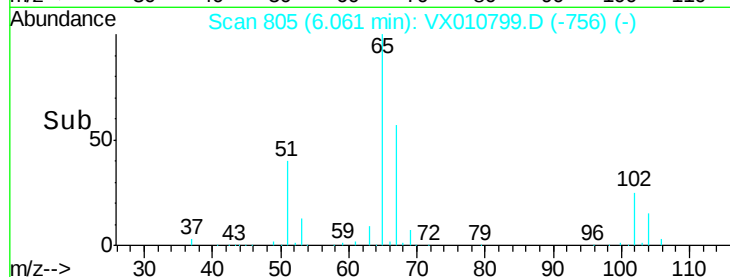
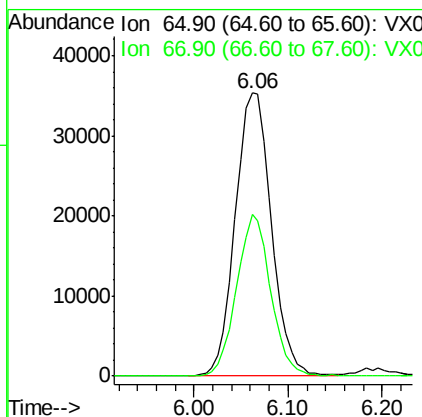
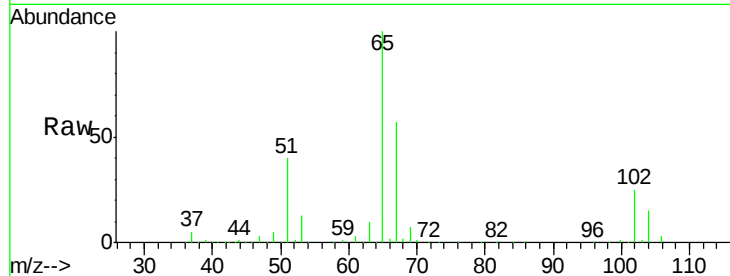
#33
 1,2-Dichloroethane-d4
 Concen: 44.780 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010799.D
 Acq: 11 Jul 2019 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	95031		
67	53.8	0.0	110.2	

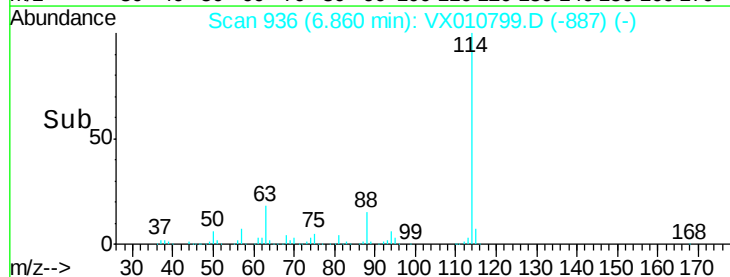
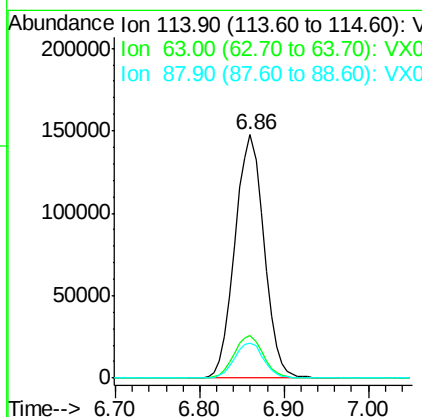
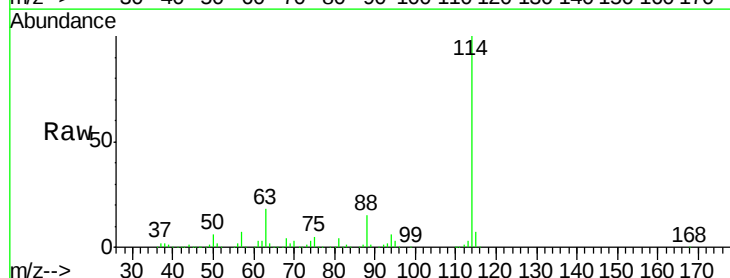
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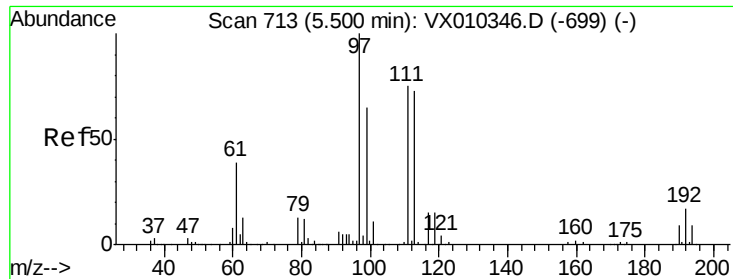
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010799.D
 Acq: 11 Jul 2019 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	344086		
63	17.5	0.0	33.8	
88	14.6	0.0	27.6	





#35

Dibromofluoromethane

Concen: 42.911 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion:113 Resp: 90338

Ion Ratio Lower Upper

113 100

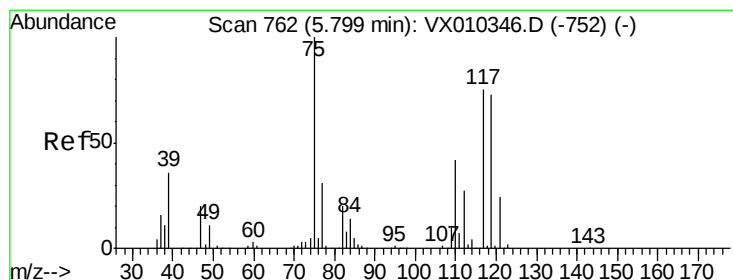
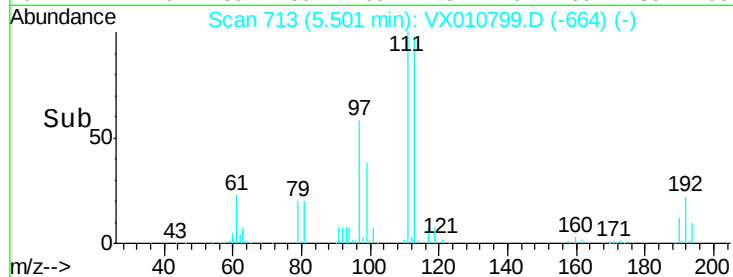
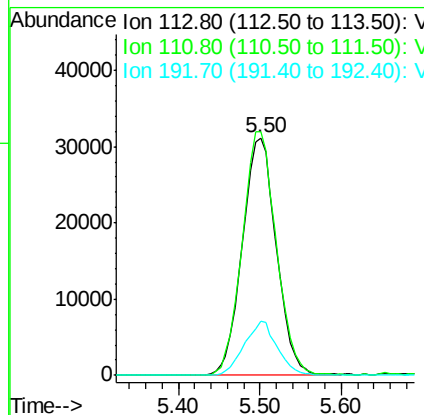
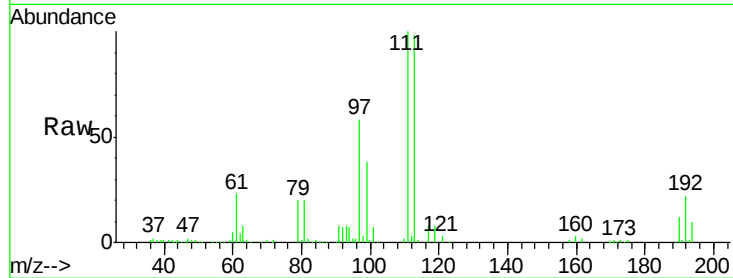
111 102.9 81.2 121.8

192 22.1 18.6 27.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.068 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

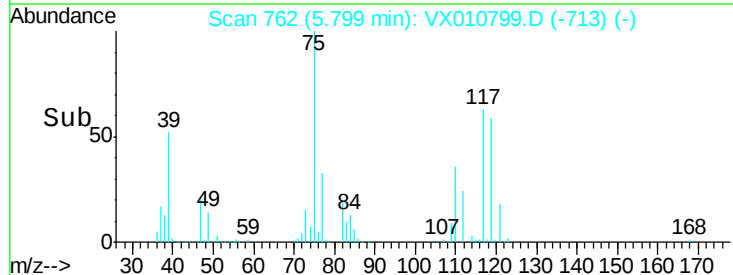
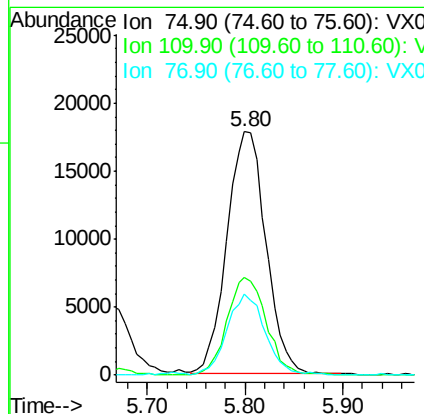
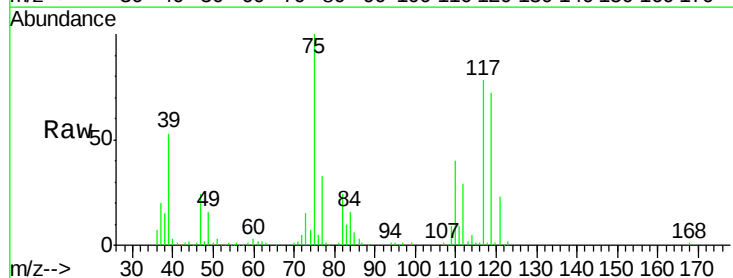
Tgt Ion: 75 Resp: 49403

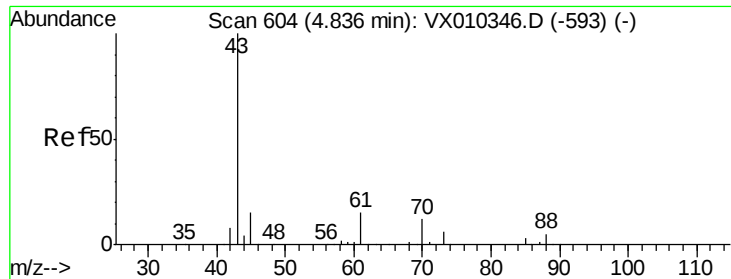
Ion Ratio Lower Upper

75 100

110 40.8 20.8 62.2

77 32.9 25.4 38.0





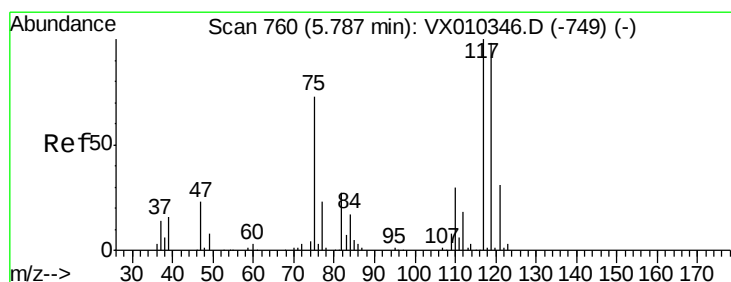
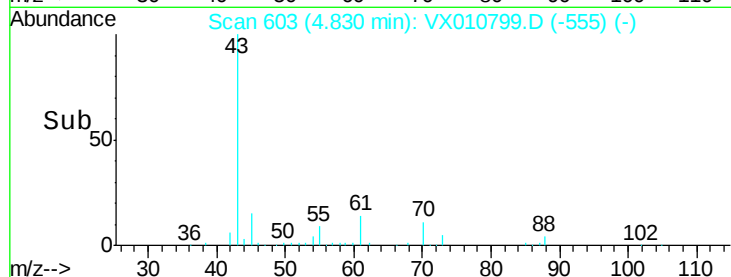
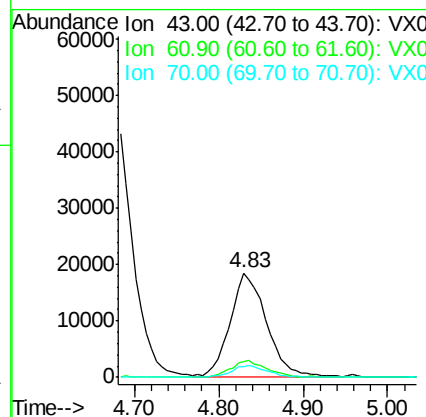
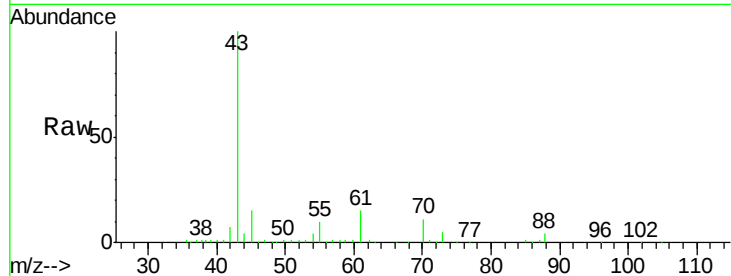
#37
Ethyl Acetate
Concen: 19.018 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.4	18.6
70	11.6	9.8	14.8

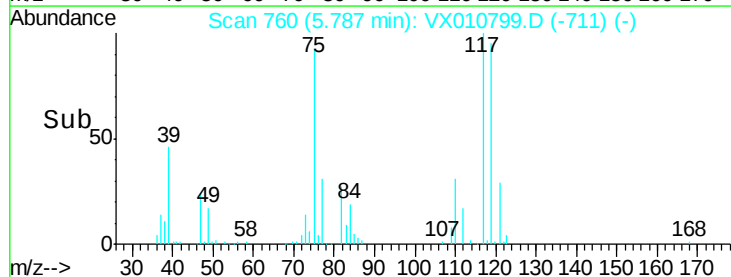
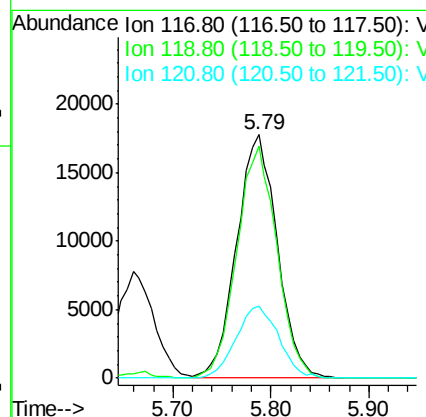
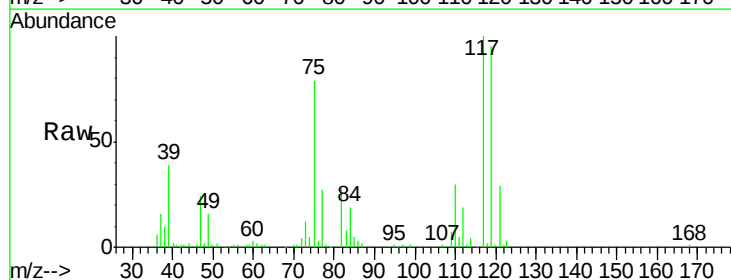
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#38
Carbon Tetrachloride
Concen: 17.360 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	78.2	117.4
121	29.5	24.7	37.1





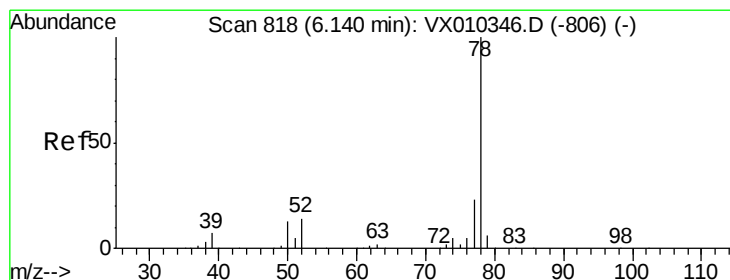
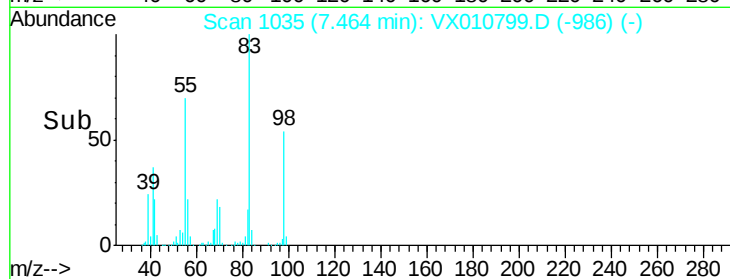
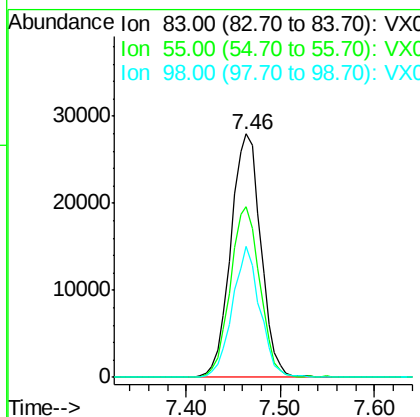
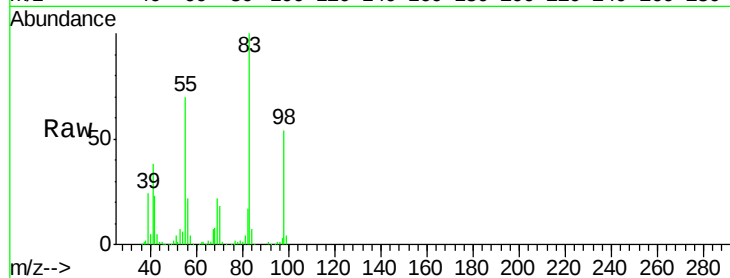
#39
Methvlcvclohexane
Concen: 17.259 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.9	53.0	79.6
98	54.0	37.8	56.8

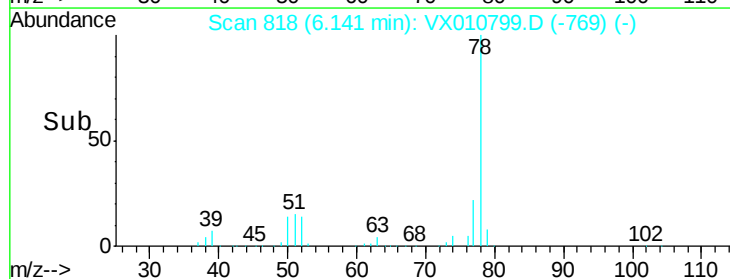
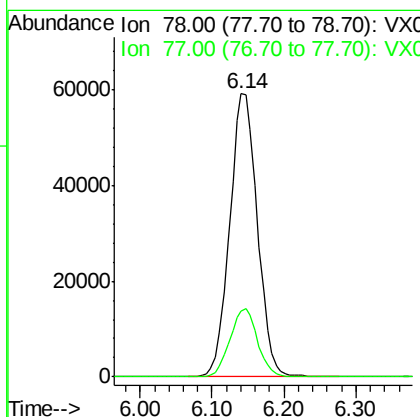
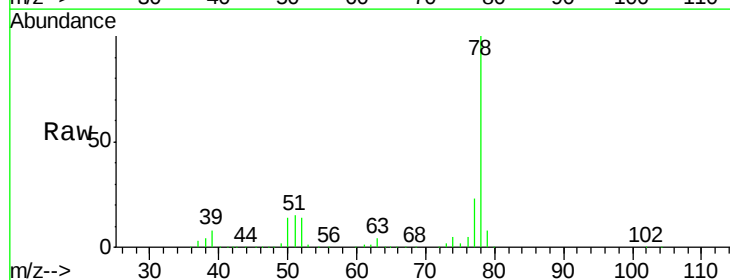
Manual Integrations
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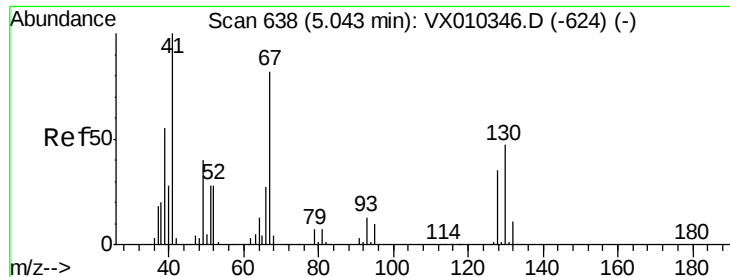
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#40
Benzene
Concen: 18.578 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0





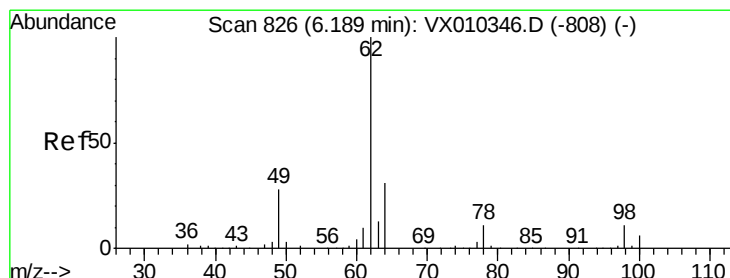
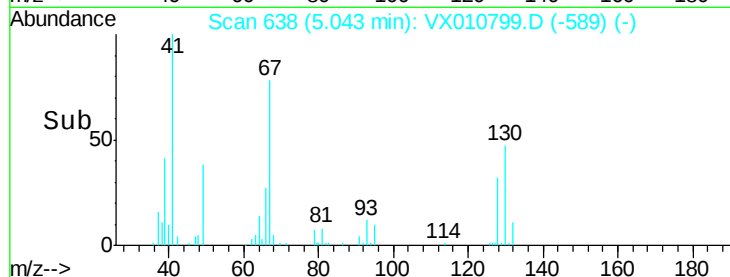
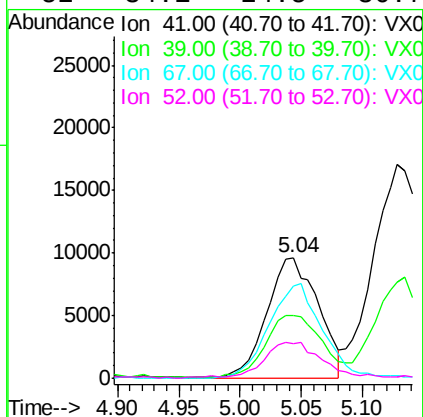
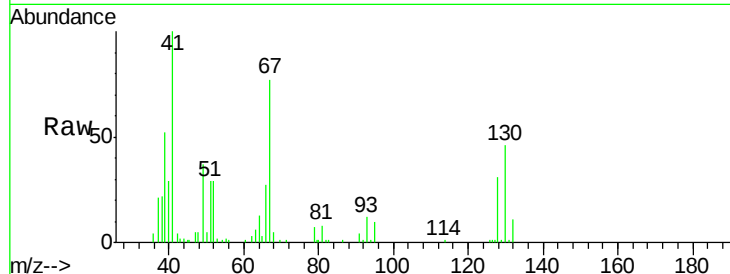
#41
Methacrylonitrile
Concen: 18.341 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ion	Ratio	Lower	Upper
28307	41	100		
	39	56.6	43.8	65.8
	67	81.4	66.6	100.0
	52	34.1	24.5	36.7

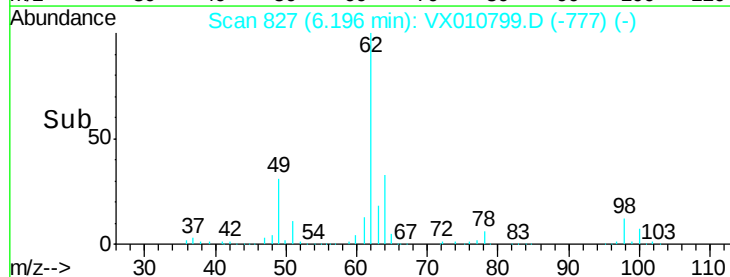
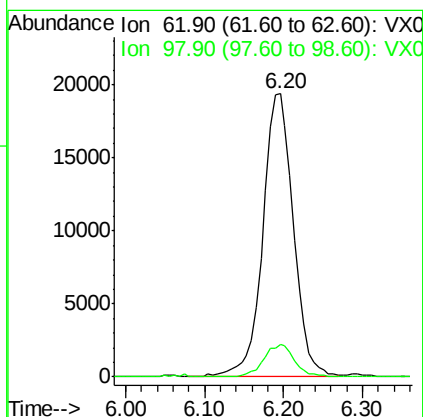
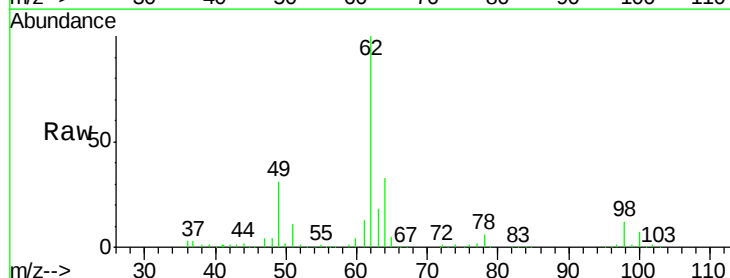
Manual Integrations
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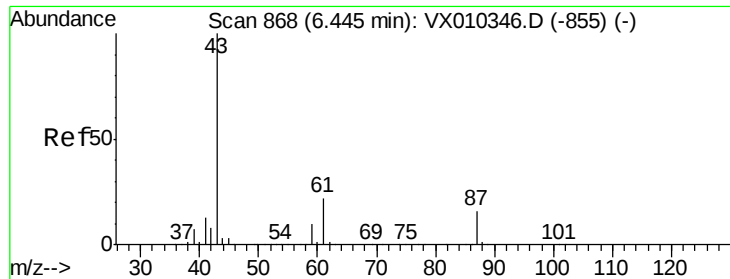
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.184 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Tgt Ion	Ion	Ratio	Lower	Upper
52338	62	100		
	98	11.4	0.0	22.2





#43

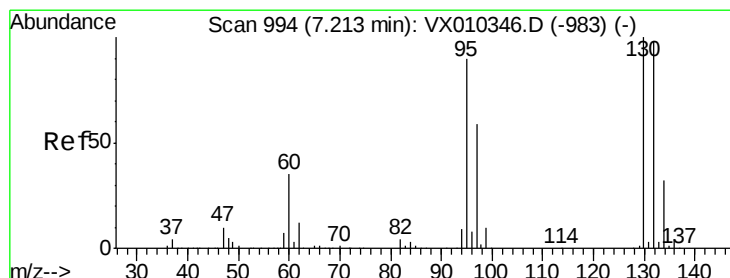
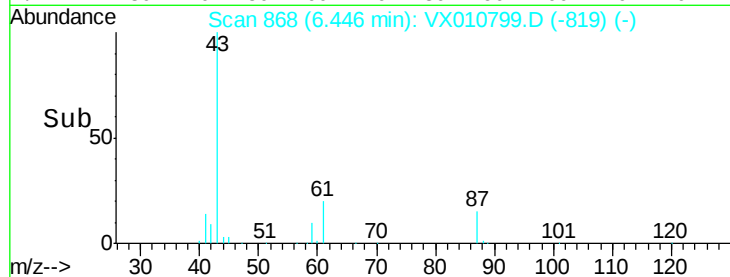
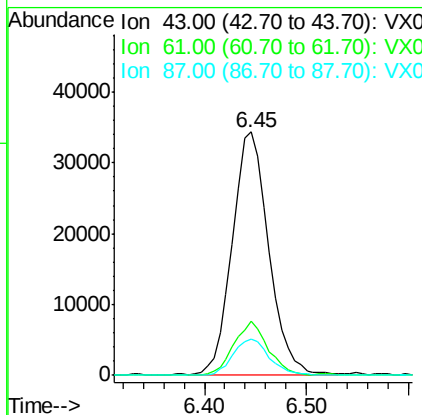
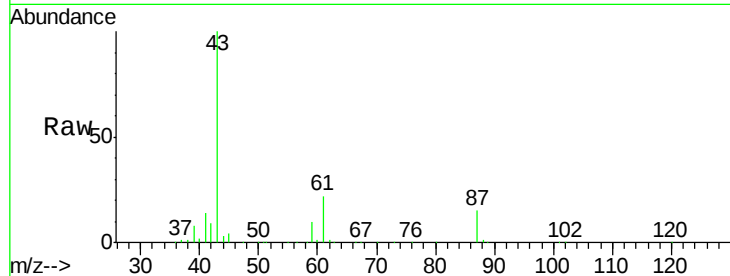
Isopropyl Acetate
 Concen: 18.115 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010799.D
 Acq: 11 Jul 2019 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	17.8	26.6
87	14.9	13.0	19.4

Manual Integrations
 APPROVED

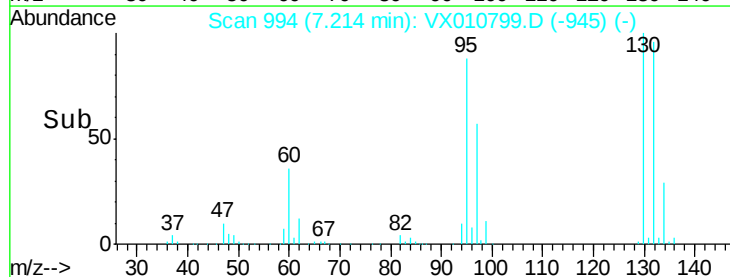
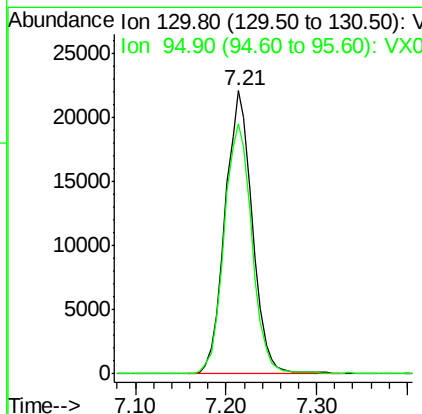
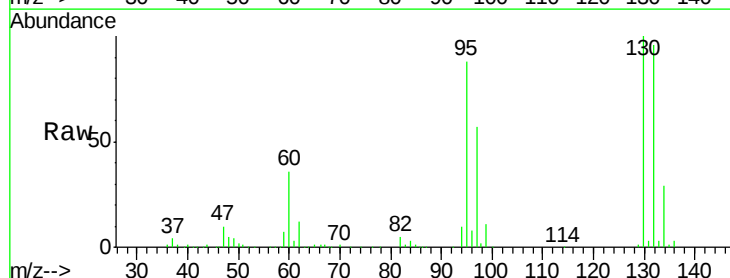
MMDadoda
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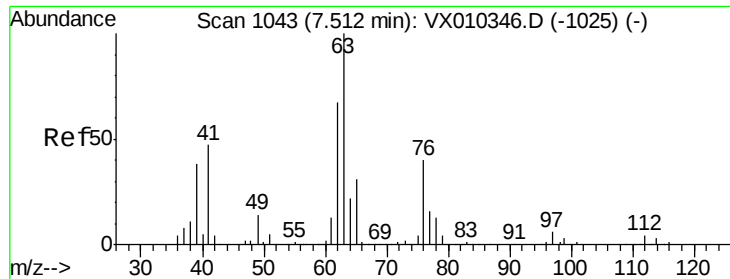


#44

Trichloroethene
 Concen: 18.086 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010799.D
 Acq: 11 Jul 2019 12:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.4	0.0	180.8





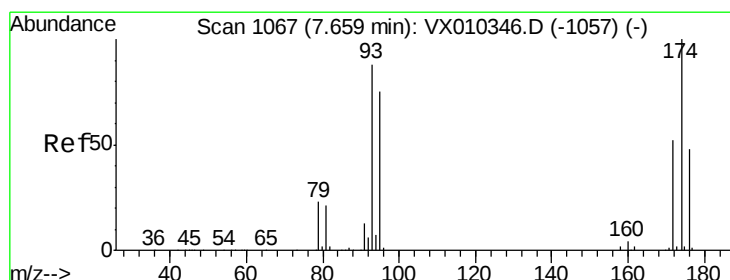
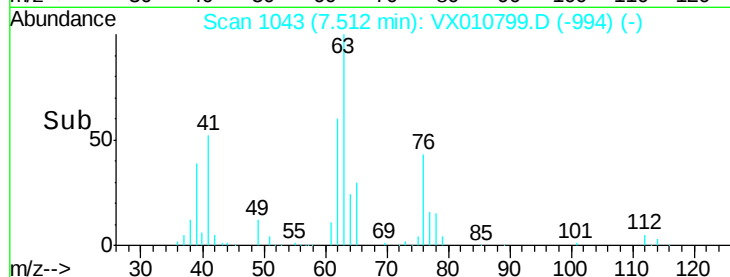
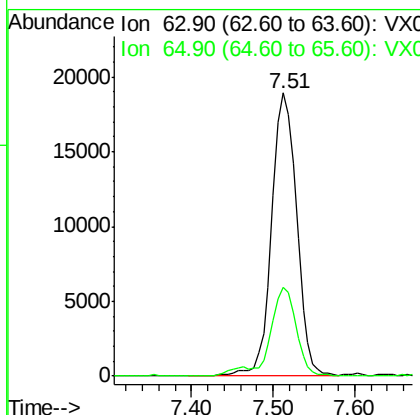
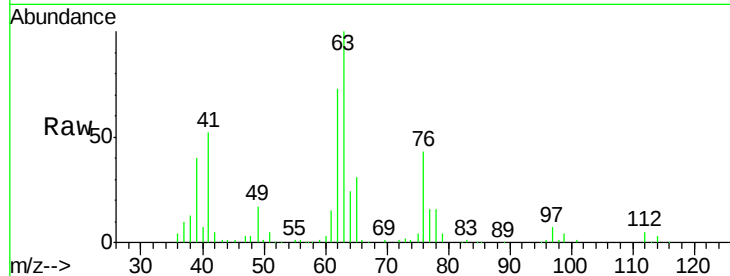
#45
 1,2-Dichloropropane
 Concen: 18.747 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010799.D
 Acq: 11 Jul 2019 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS01

Tot Ion: 63 Resp: 40328
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.8 37.2

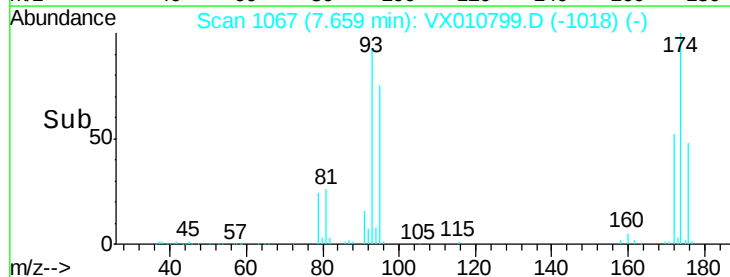
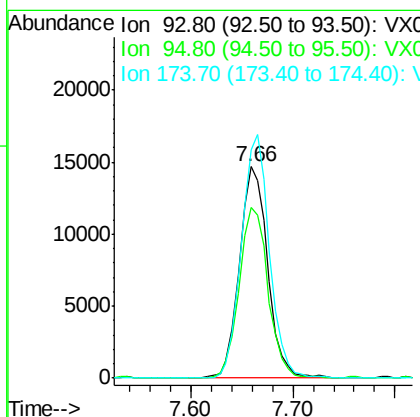
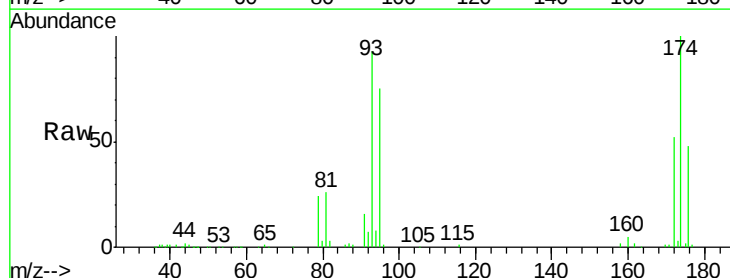
Manual Integrations
 APPROVED

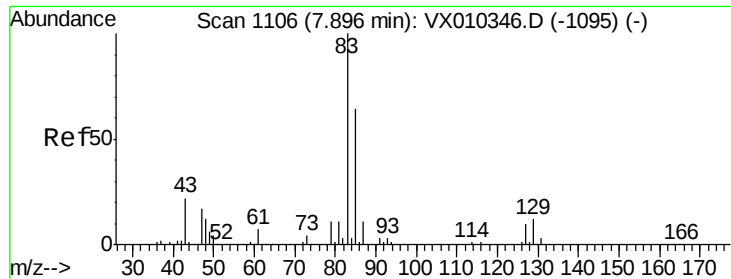
MMDadoda
 7/12/2019 12:22:02 PM



#46
 Dibromomethane
 Concen: 18.204 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010799.D
 Acq: 11 Jul 2019 12:06

Tgt Ion: 93 Resp: 28096
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.5 101.3
 174 114.8 95.8 143.6





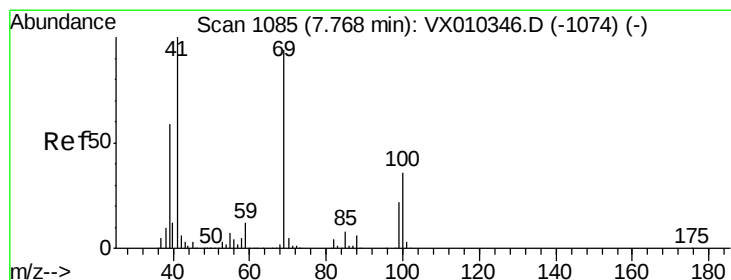
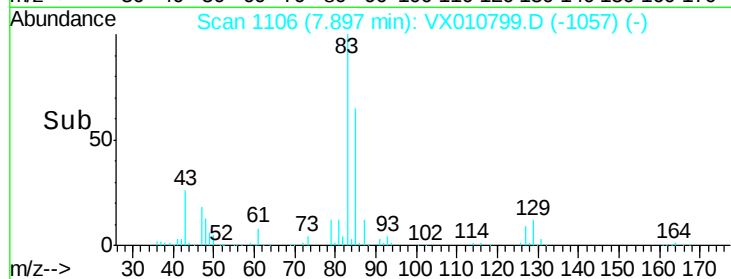
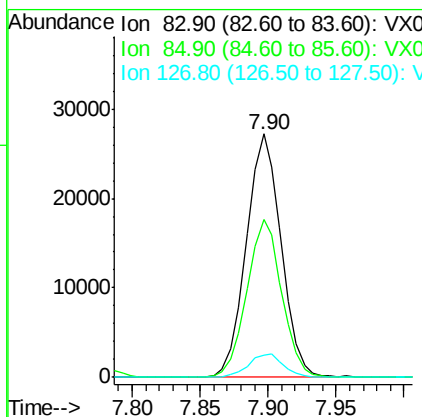
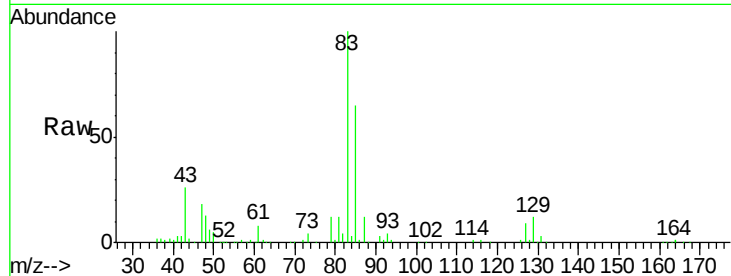
#47
Bromodichloromethane
Concen: 17.260 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	83	Resp	48821
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	51.5	77.3
127	9.2	7.8	11.8

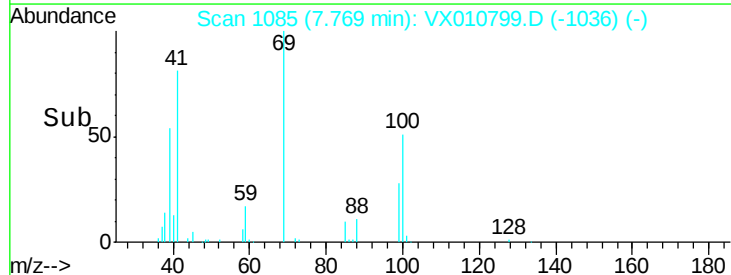
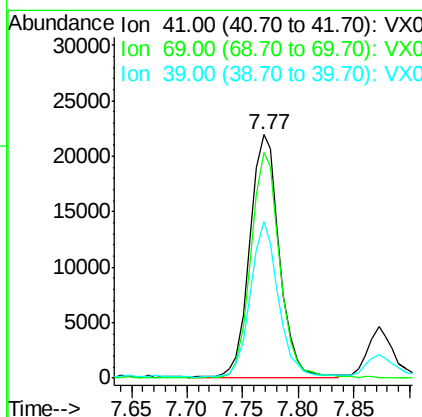
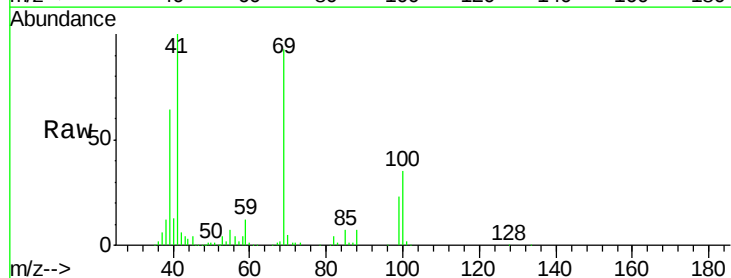
Manual Integrations
APPROVED

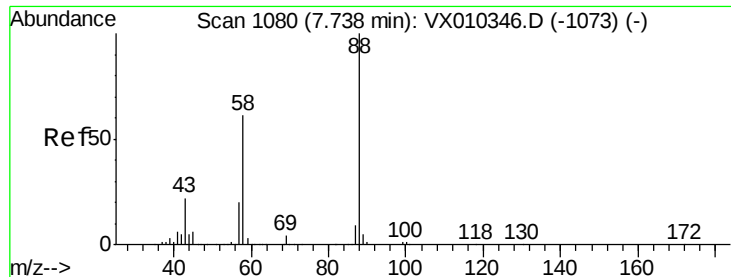
MMDadoda
7/12/2019 12:22:02 PM



#48
Methyl methacrylate
Concen: 18.799 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Tgt Ion	41	Resp	40667
Ion Ratio	100	Lower	Upper
41	100		
69	91.0	76.1	114.1
39	62.1	47.6	71.4





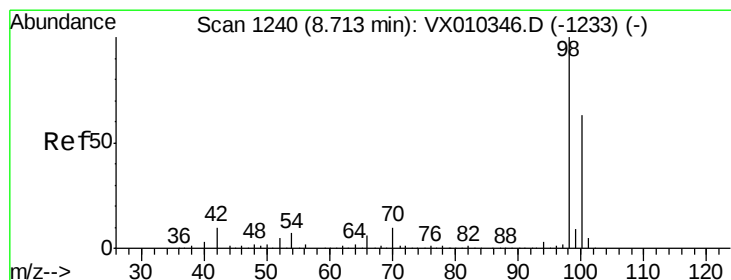
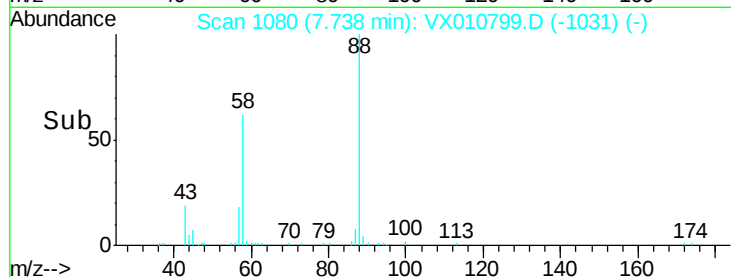
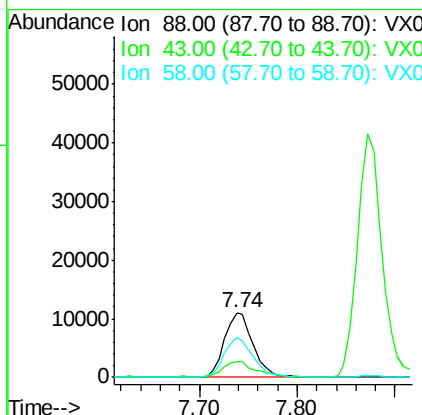
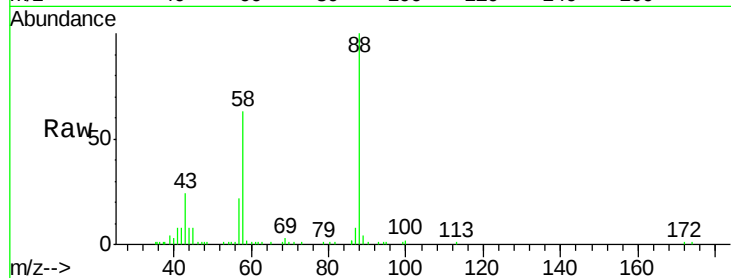
#49
1,4-Dioxane
Concen: 359.421 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.2	20.2	30.2
58	63.0	49.5	74.3

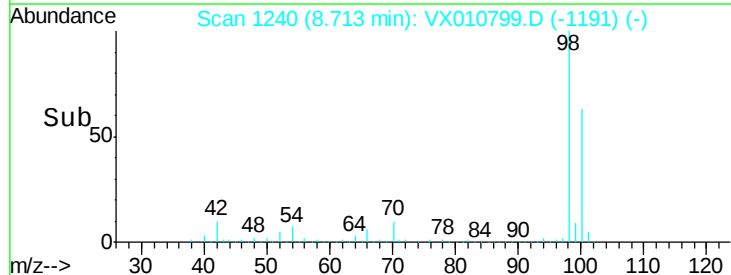
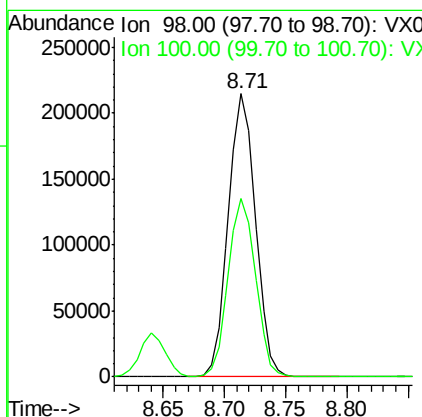
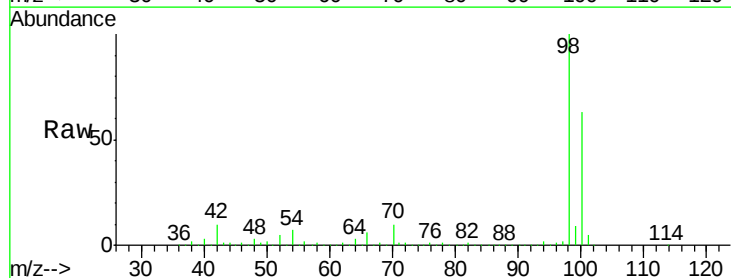
Manual Integrations
APPROVED

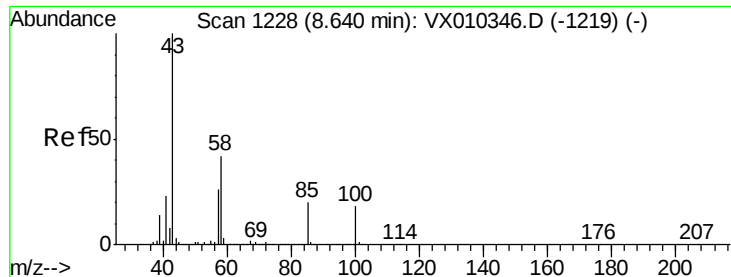
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#50
Toluene-d8
Concen: 41.148 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 95.870 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 43 Resp: 285356

Ion Ratio Lower Upper

43 100

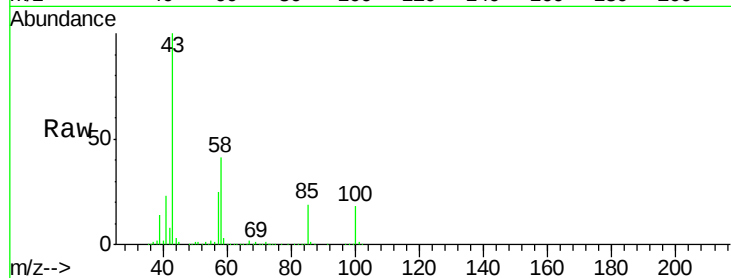
58 40.5 33.5 50.3

Manual Integrations

APPROVED

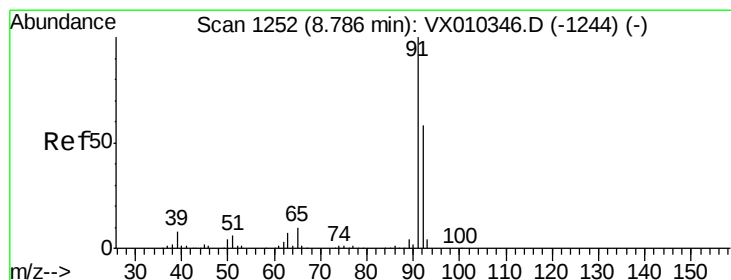
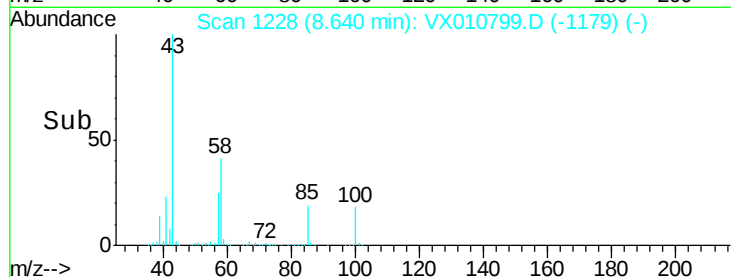
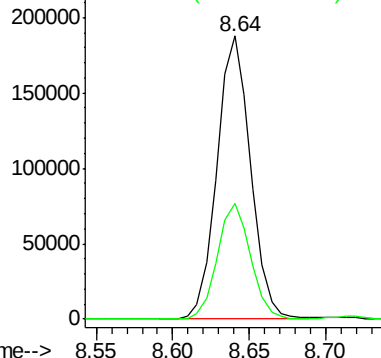
MMDadoda

7/12/2019 12:22:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.208 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010799.D

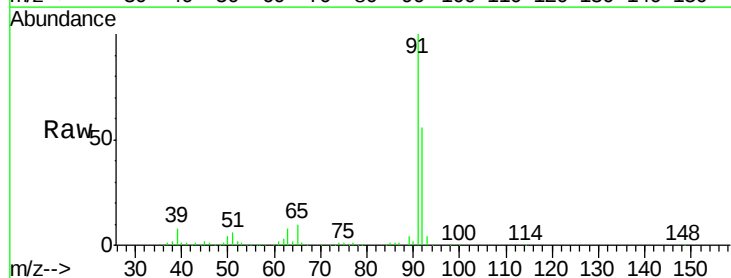
Acq: 11 Jul 2019 12:06

Tgt Ion: 92 Resp: 102142

Ion Ratio Lower Upper

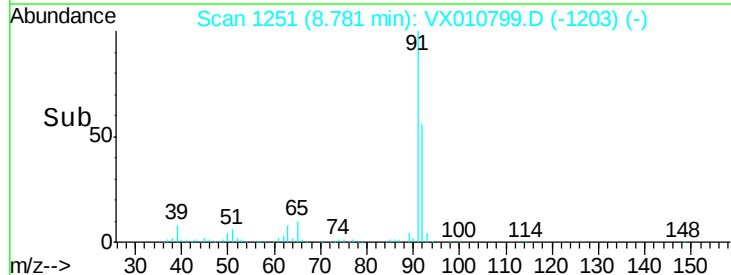
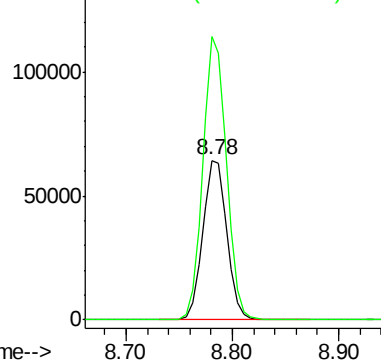
92 100

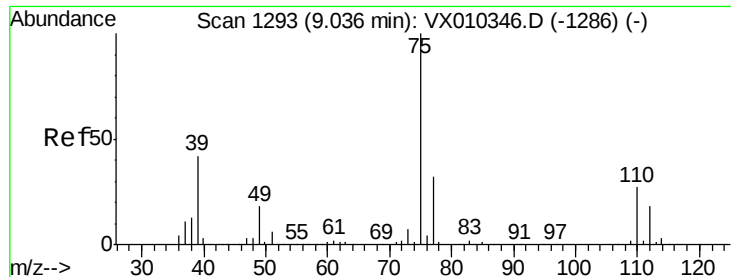
91 173.7 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





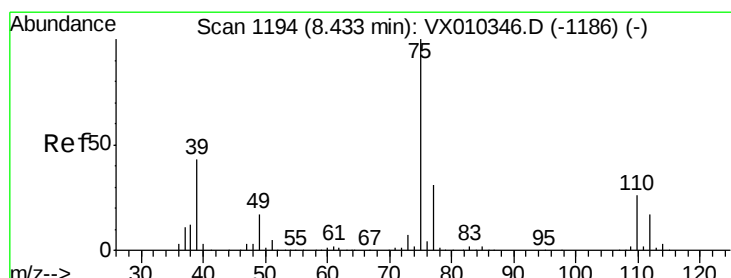
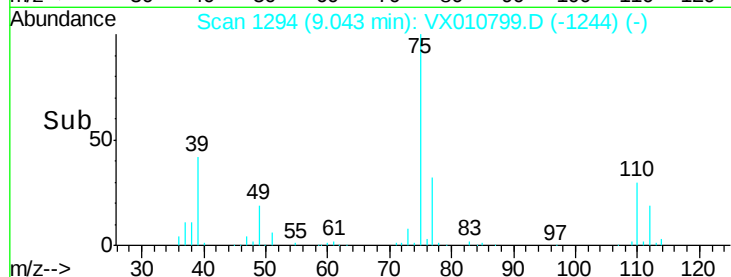
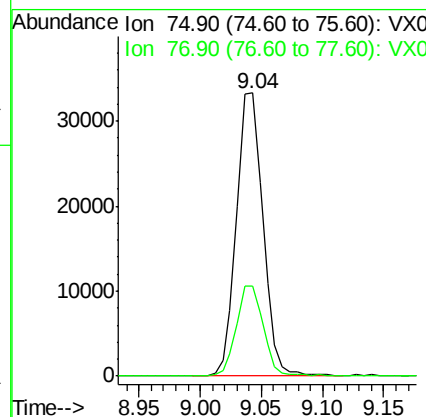
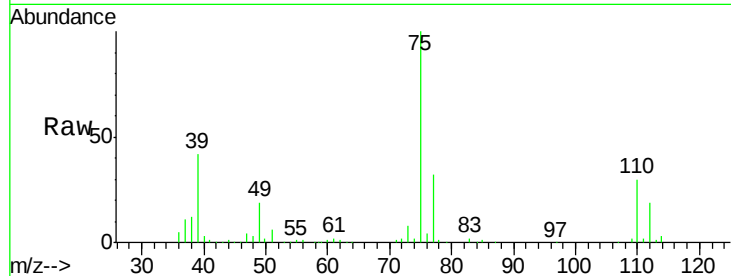
#53
t-1,3-Dichloropropene
Concen: 15.780 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion: 75 Resp: 50040
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

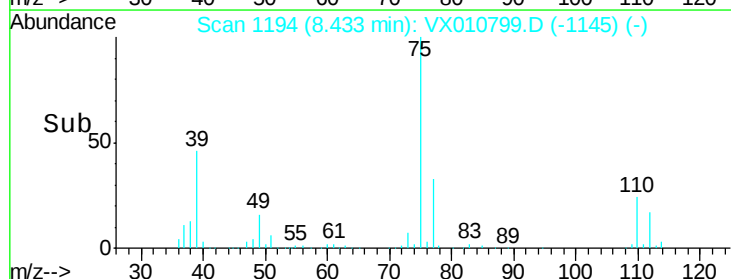
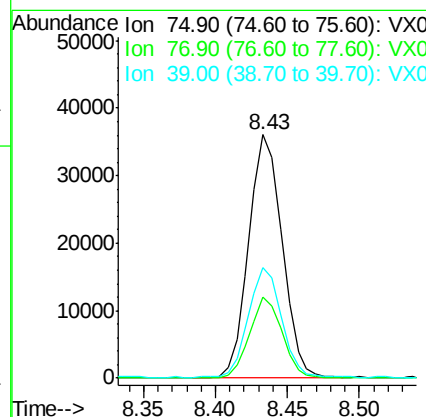
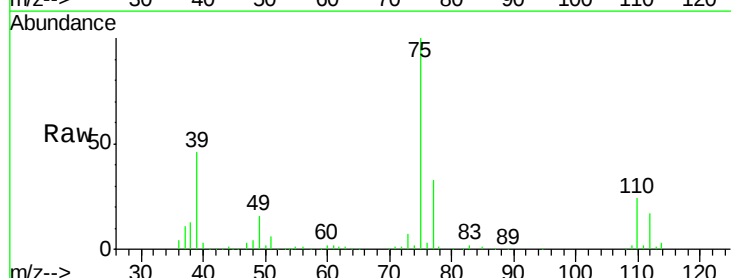
Manual Integrations
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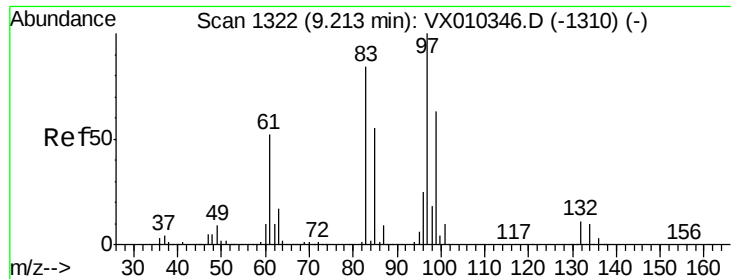
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#54
cis-1,3-Dichloropropene
Concen: 16.891 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Tgt Ion: 75 Resp: 58209
Ion Ratio Lower Upper
75 100
77 33.1 25.2 37.8
39 45.3 34.5 51.7





#55

1,1,2-Trichloroethane

Concen: 18.180 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 97 Resp: 42061

Ion Ratio Lower Upper

97 100

83 84.6 67.4 101.0

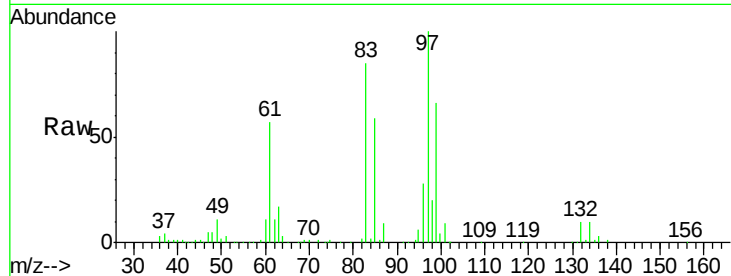
85 58.9 43.8 65.8

99 66.2 50.3 75.5

Manual Integrations
APPROVED

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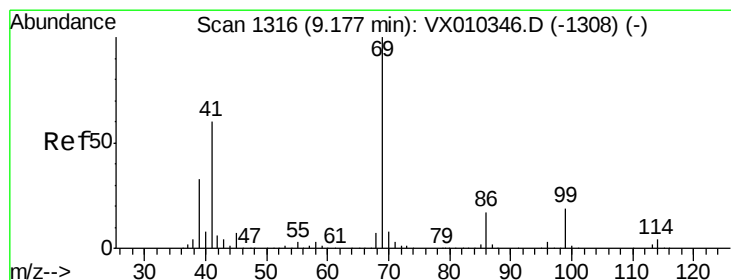
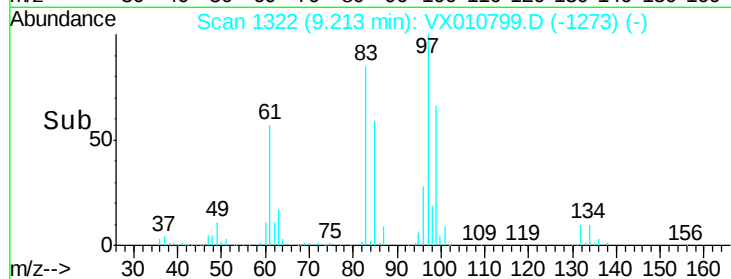
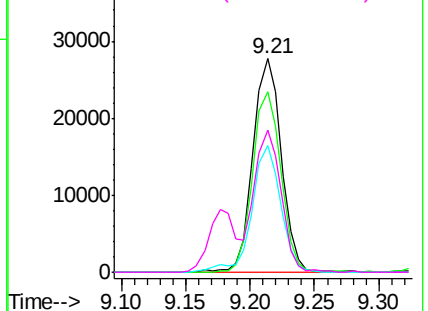
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 17.778 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

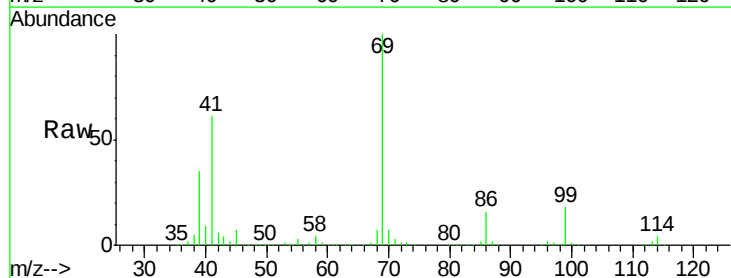
Tgt Ion: 69 Resp: 62309

Ion Ratio Lower Upper

69 100

41 61.6 47.1 70.7

39 36.4 26.6 40.0

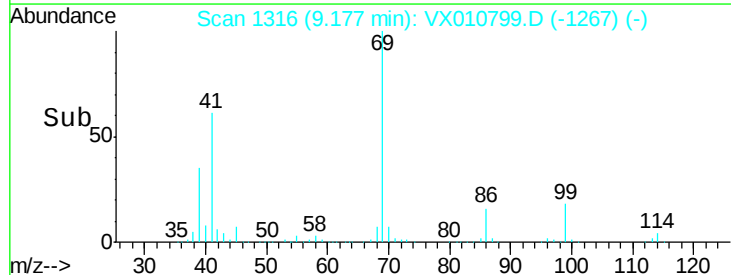
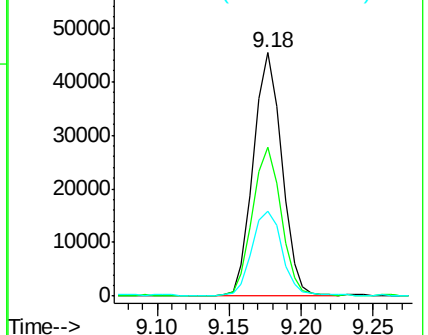


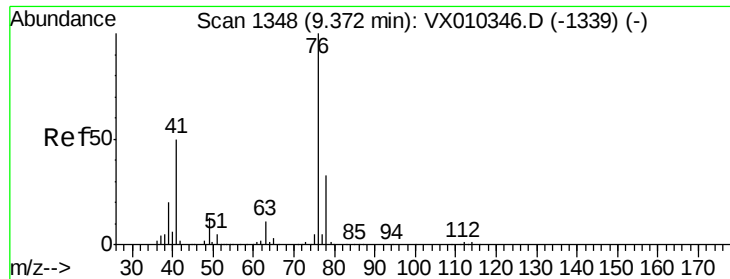
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





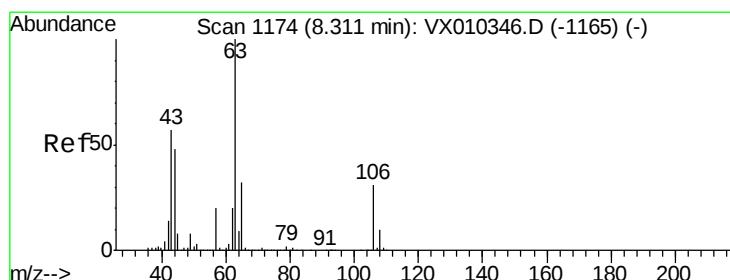
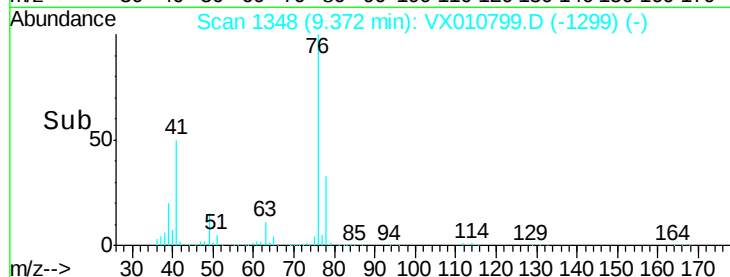
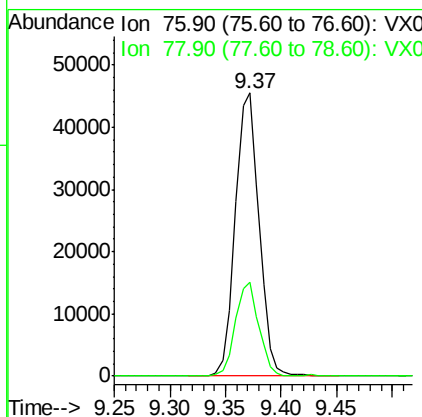
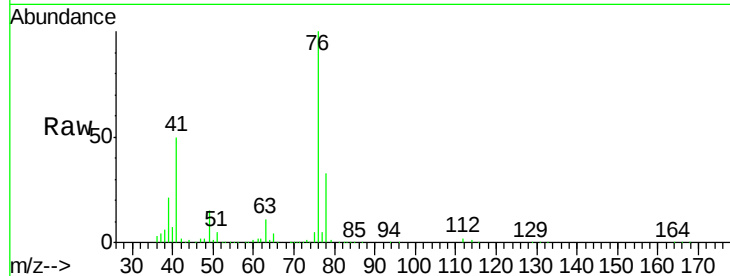
#57
 1,3-Dichloropropane
 Concen: 18.714 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010799.D
 Acq: 11 Jul 2019 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS01

Tot Ion: 76 Resp: 67211
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1

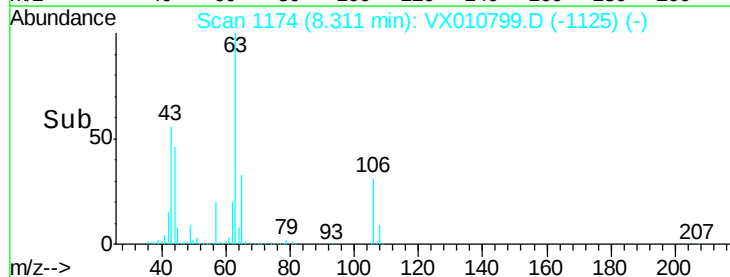
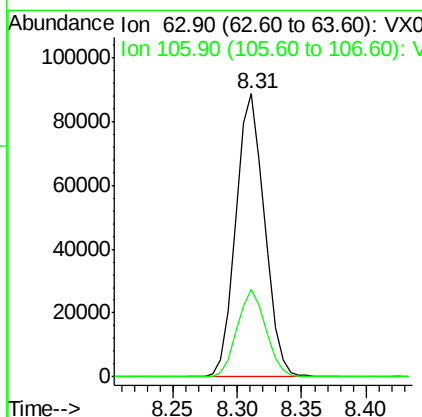
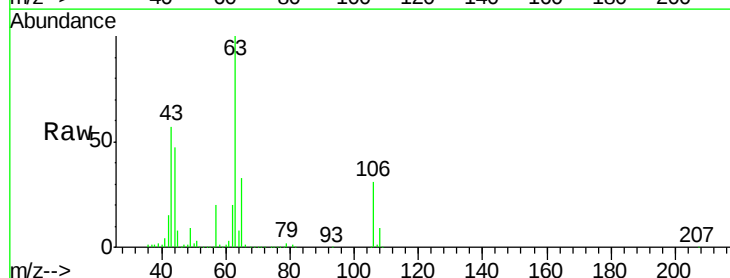
Manual Integrations
 APPROVED

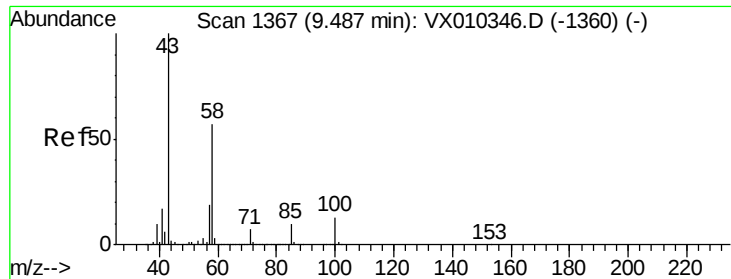
MMDadoda
 7/12/2019 12:22:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.487 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010799.D
 Acq: 11 Jul 2019 12:06

Tgt Ion: 63 Resp: 137303
 Ion Ratio Lower Upper
 63 100
 106 30.6 24.7 37.1





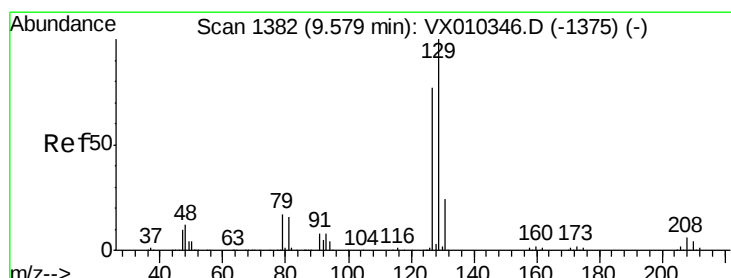
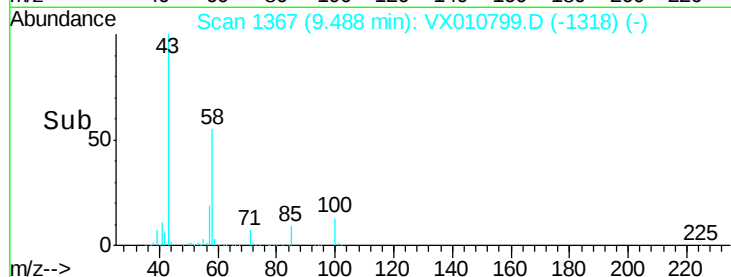
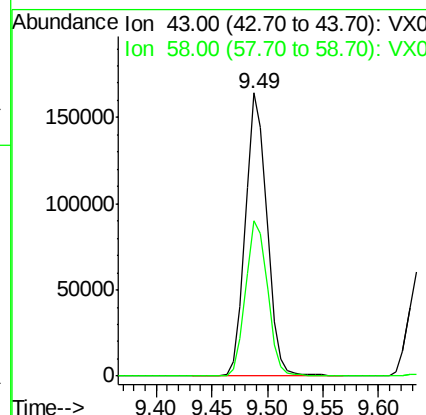
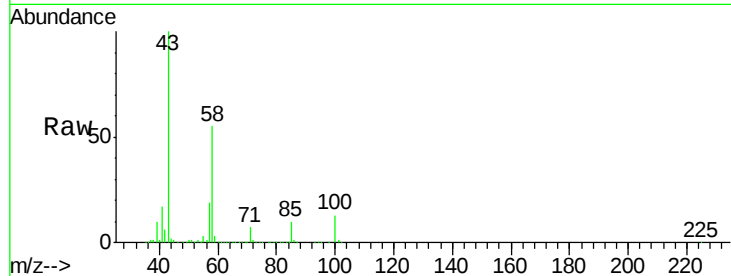
#59
2-Hexanone
Concen: 93.974 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion: 43 Resp: 220144
Ion Ratio Lower Upper
43 100
58 56.1 29.0 87.1

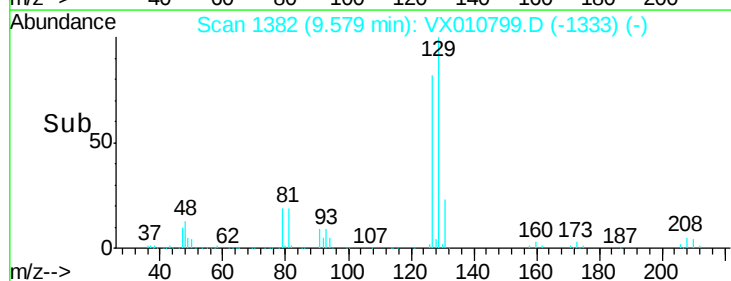
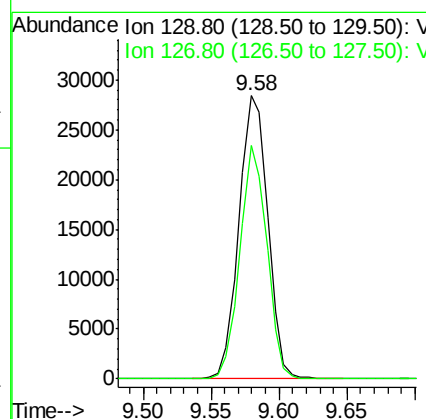
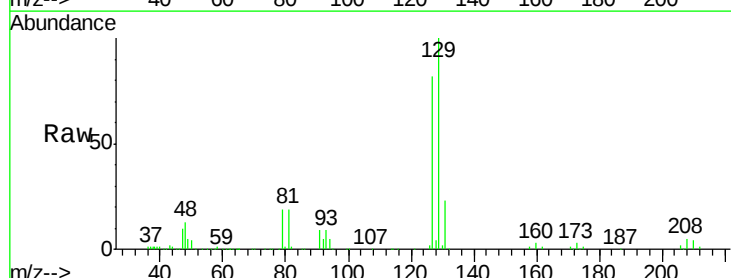
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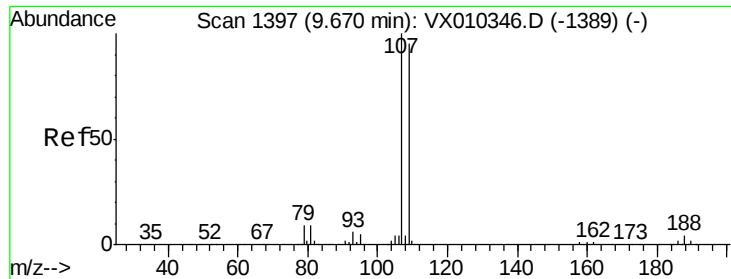
MMDadoda
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#60
Dibromochloromethane
Concen: 16.213 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Tgt Ion: 129 Resp: 42000
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 18.360 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion:107 Resp: 45850

Ion Ratio Lower Upper

107 100

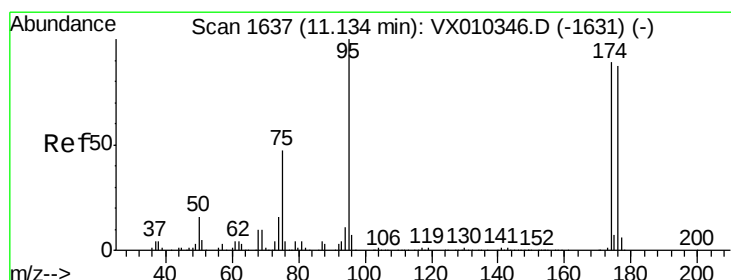
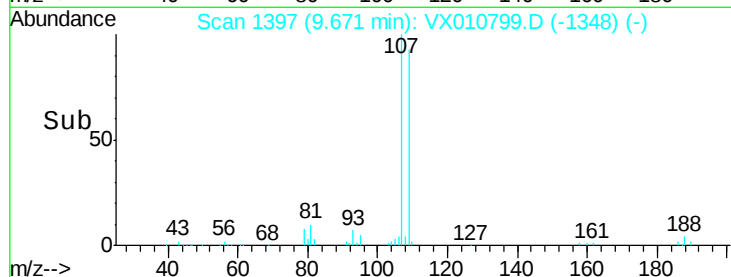
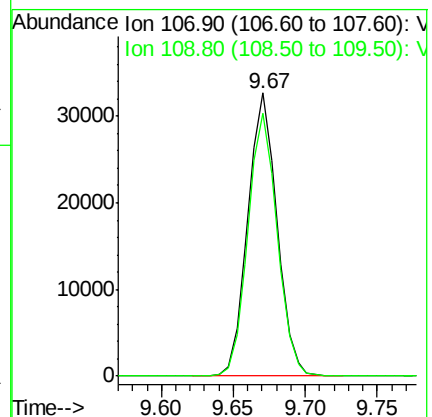
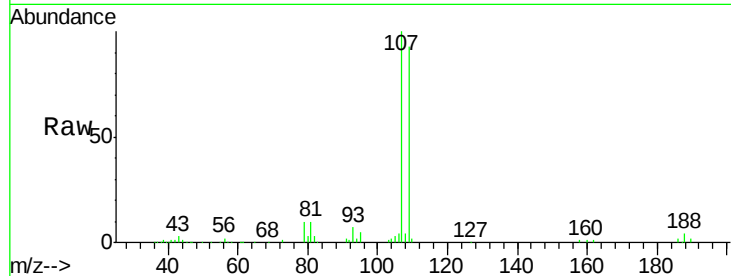
109 92.8 75.8 113.6

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#62

4-Bromofluorobenzene

Concen: 41.363 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

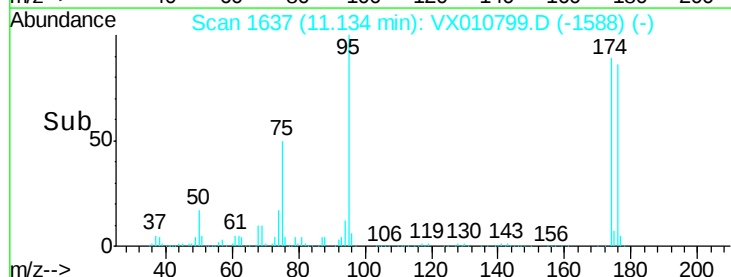
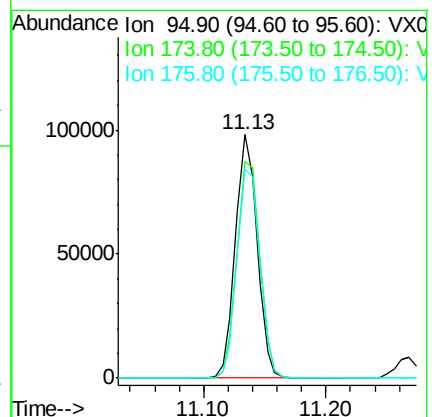
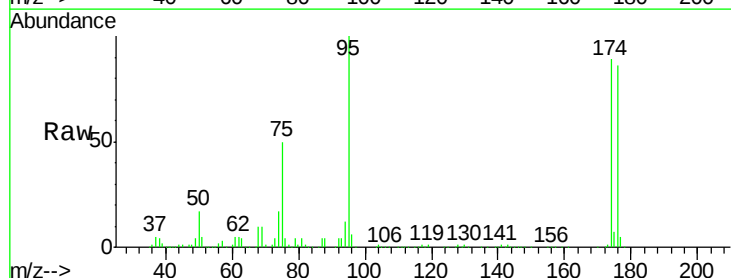
Tgt Ion: 95 Resp: 120277

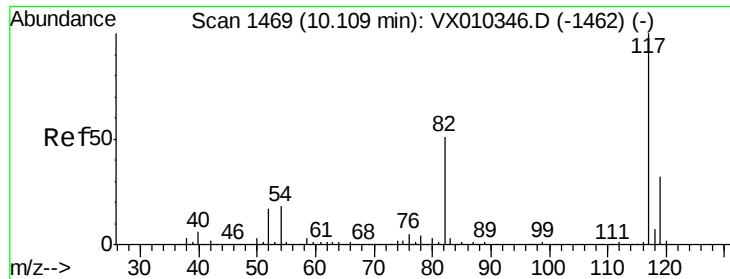
Ion Ratio Lower Upper

95 100

174 94.2 0.0 187.6

176 90.4 0.0 184.0





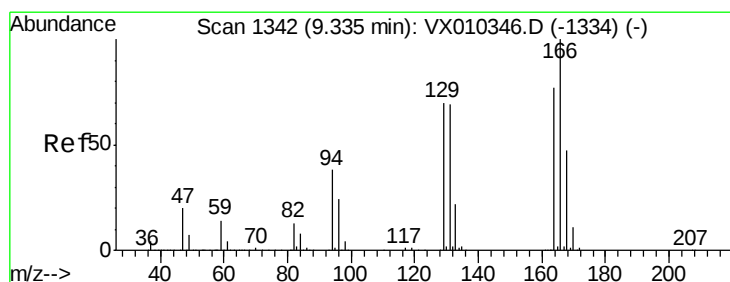
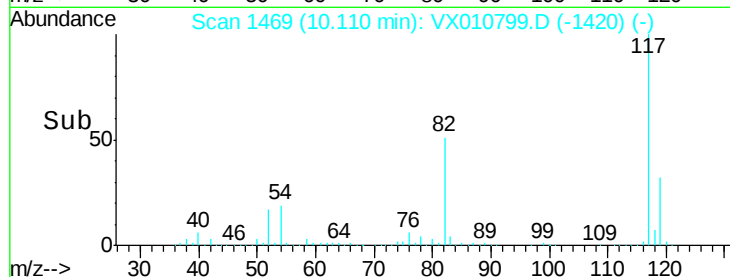
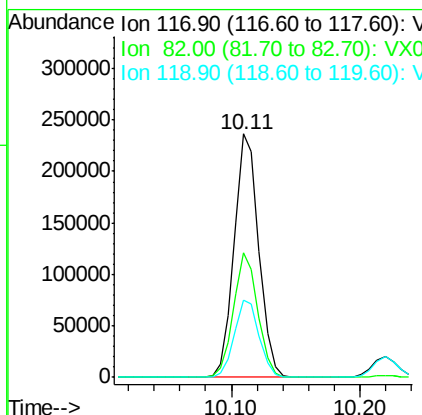
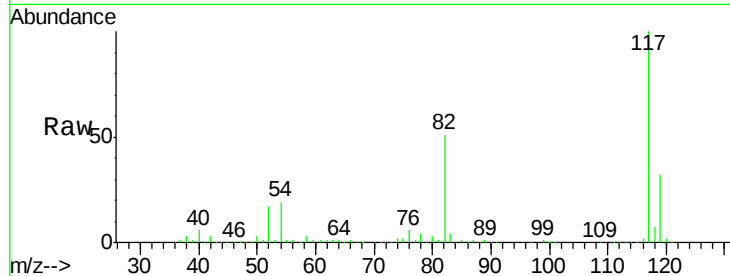
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.2	61.8
119	31.9	25.5	38.3

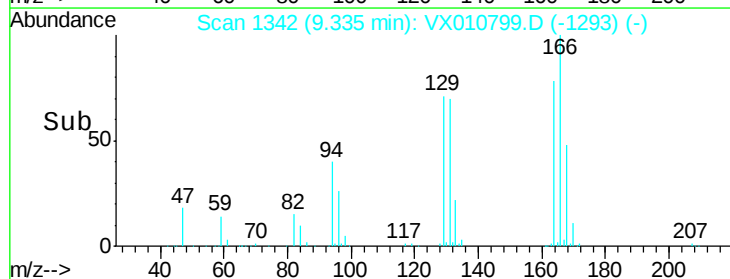
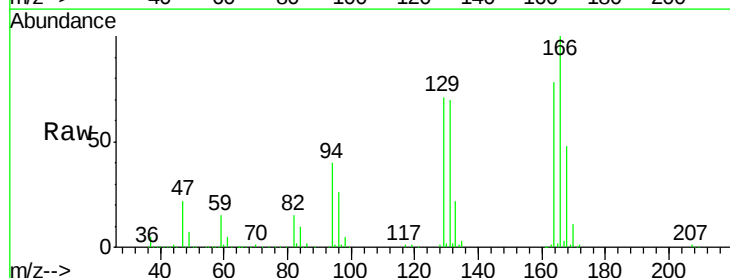
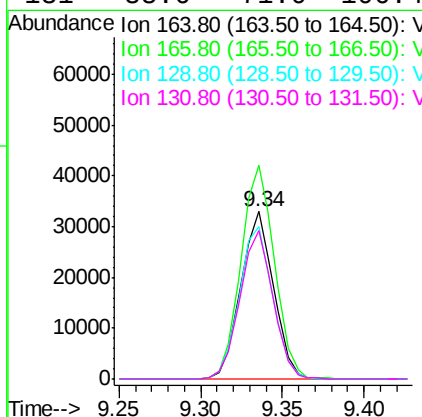
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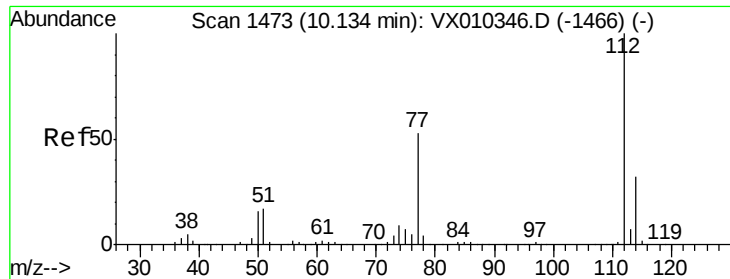
MMDadoda
7/12/2019 12:22:02 PM



#64
Tetrachloroethene
Concen: 18.074 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.6	155.4
129	90.5	73.0	109.4
131	88.6	71.0	106.4





#65

Chlorobenzene

Concen: 18.114 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion:112 Resp: 115784

Ion Ratio Lower Upper

112 100

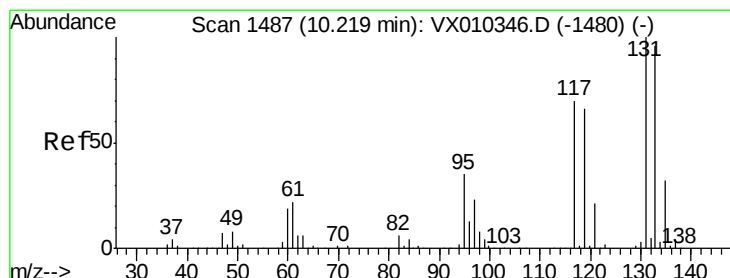
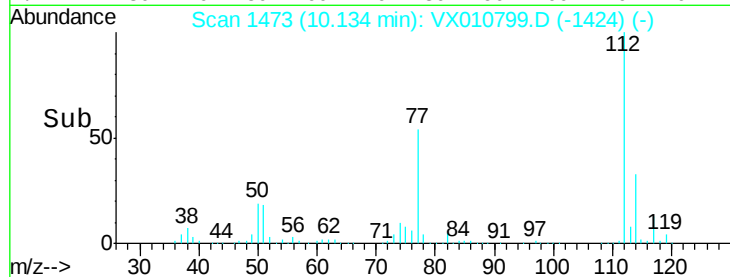
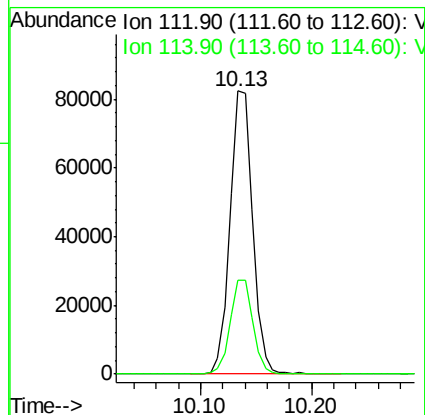
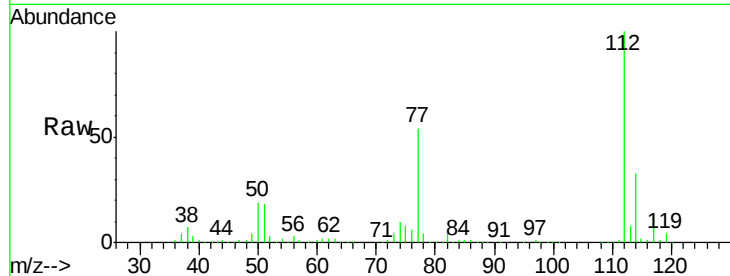
114 33.1 25.4 38.2

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 17.785 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

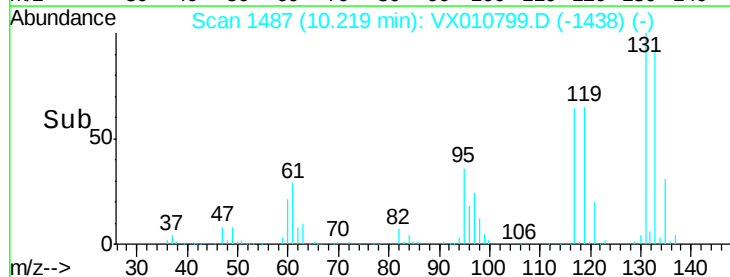
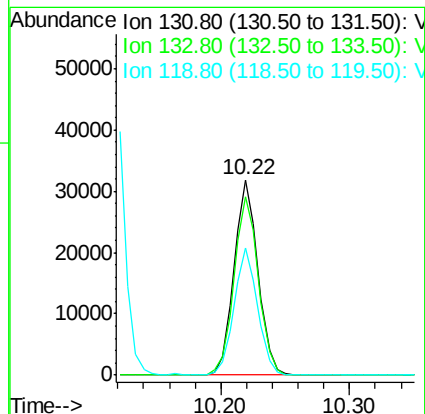
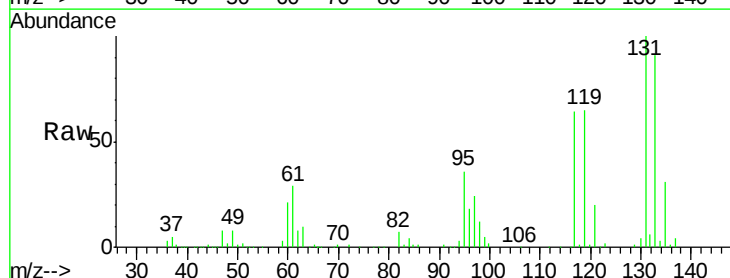
Tgt Ion:131 Resp: 41409

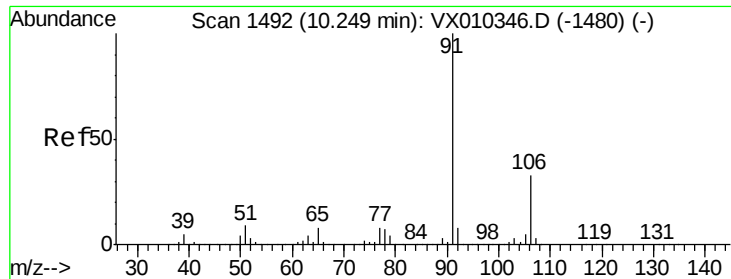
Ion Ratio Lower Upper

131 100

133 92.9 47.7 143.1

119 64.1 32.6 97.7





#67

Ethyl Benzene

Concen: 18.339 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 91 Resp: 197903

Ion Ratio Lower Upper

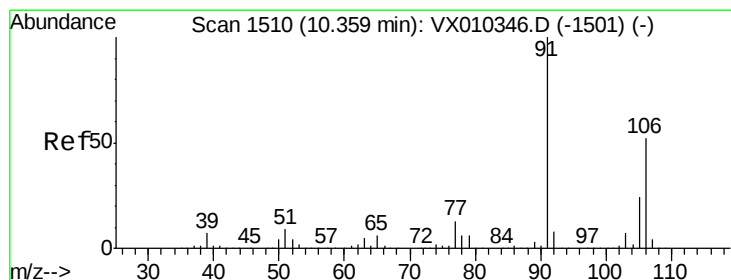
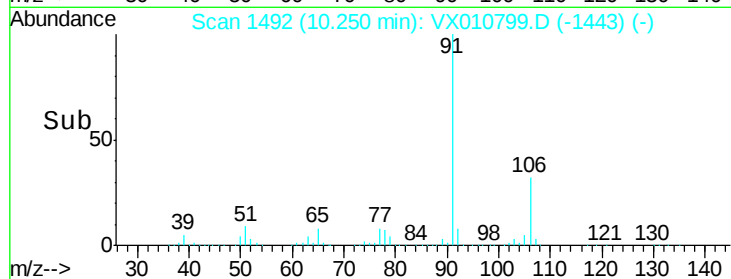
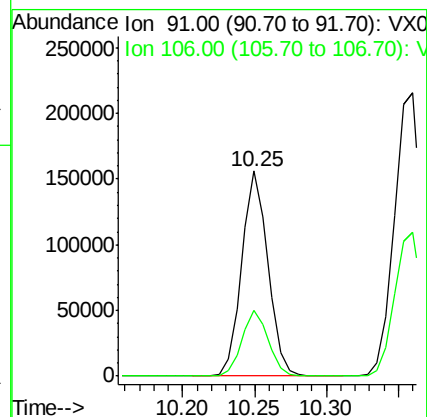
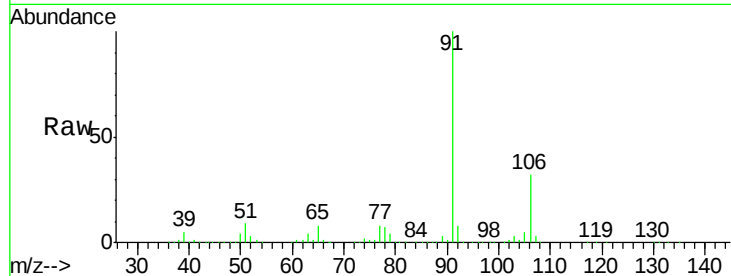
91 100

106 31.8 26.2 39.2

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#68

m/p-Xylenes

Concen: 36.175 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010799.D

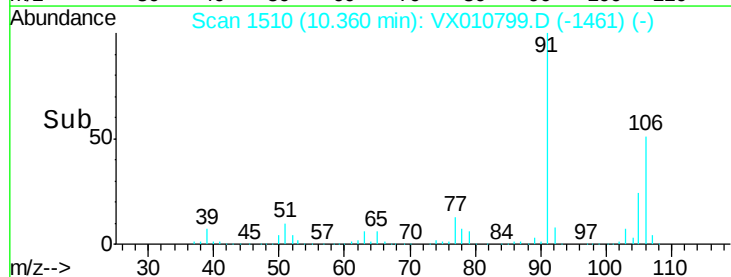
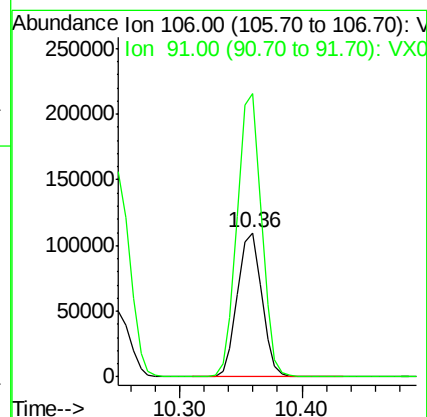
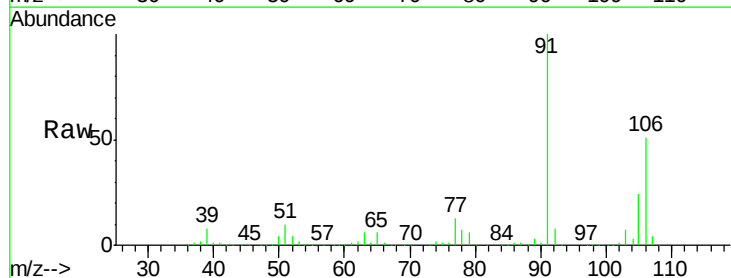
Acq: 11 Jul 2019 12:06

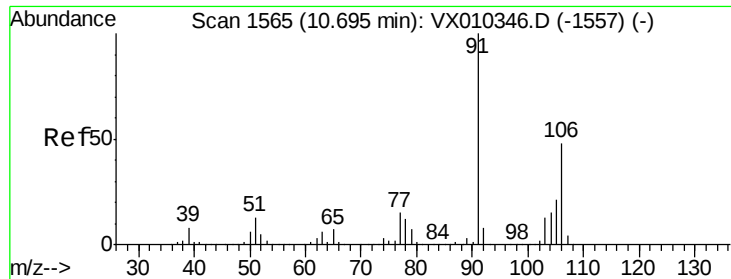
Tgt Ion: 106 Resp: 151257

Ion Ratio Lower Upper

106 100

91 195.3 155.3 232.9





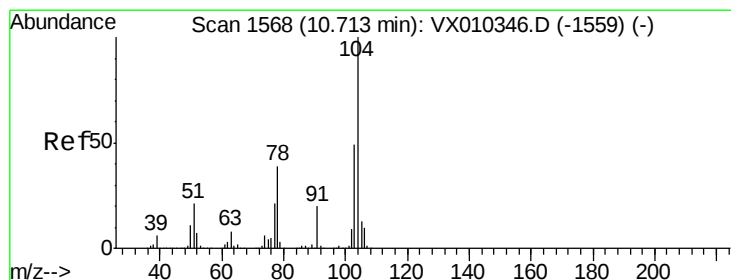
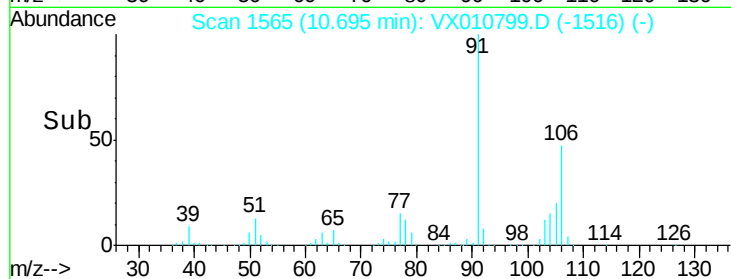
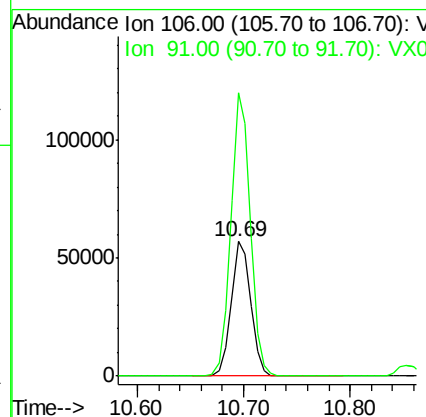
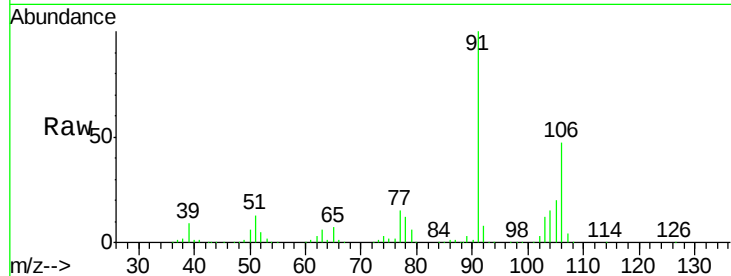
#69
o-Xylene
Concen: 17.994 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Instrument :
MSVOA_X
ClientSampled :
VX0711WBS01

Tot Ion:106 Resp: 73989
Ion Ratio Lower Upper
106 100
91 207.1 102.7 308.1

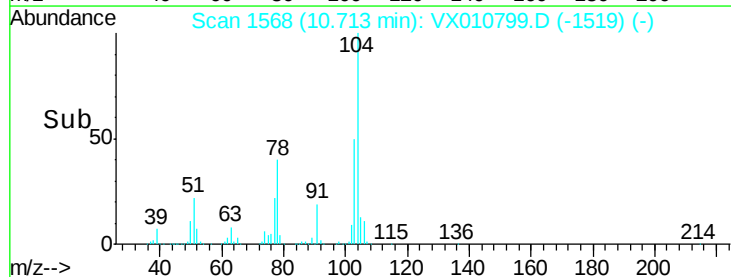
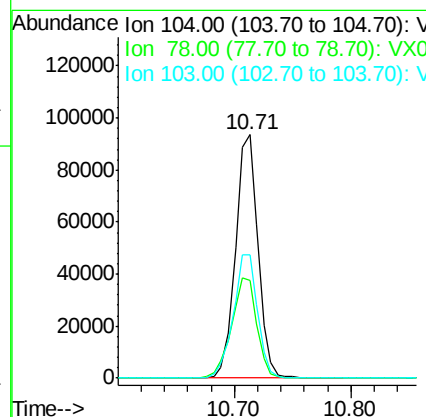
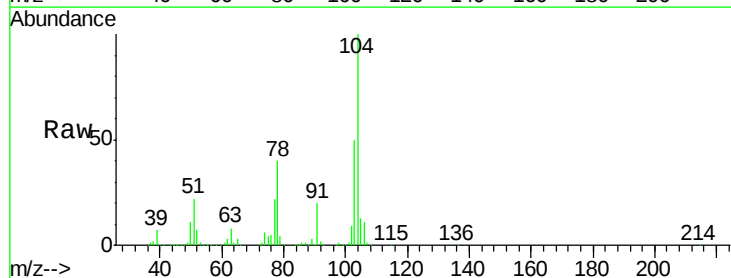
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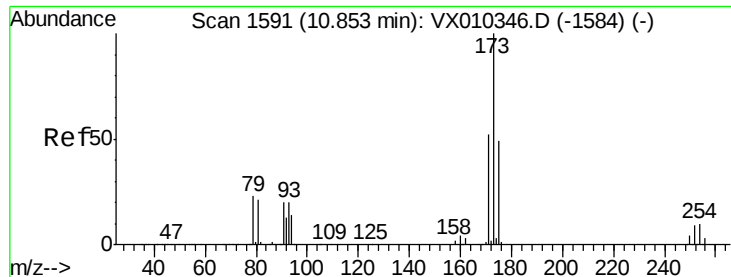
MMDadoda
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#70
Styrene
Concen: 18.277 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Tgt Ion:104 Resp: 126038
Ion Ratio Lower Upper
104 100
78 46.3 36.2 54.2
103 54.9 44.2 66.4





#71

Bromoform

Concen: 14.881 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion:173 Resp: 30130

Ion Ratio Lower Upper

173 100

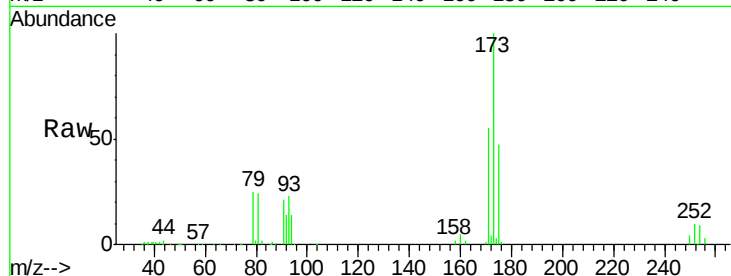
175 47.2 24.1 72.3

254 0.0 0.2 0.2#

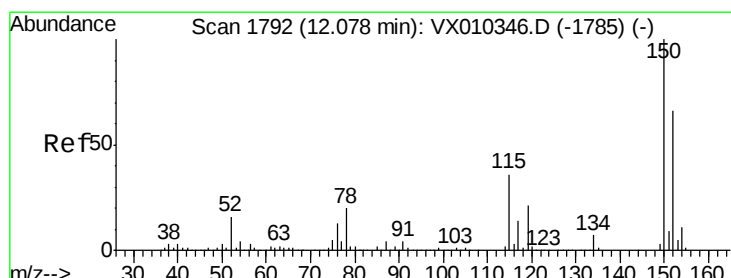
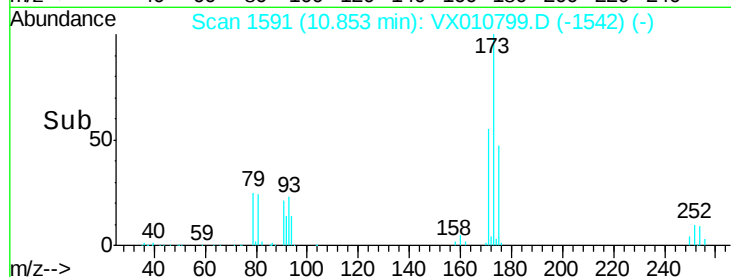
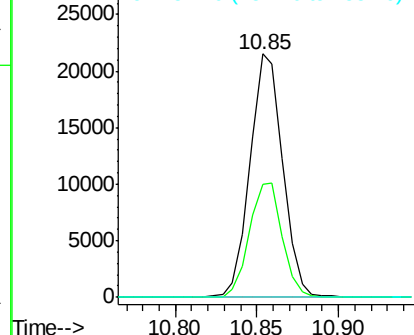
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

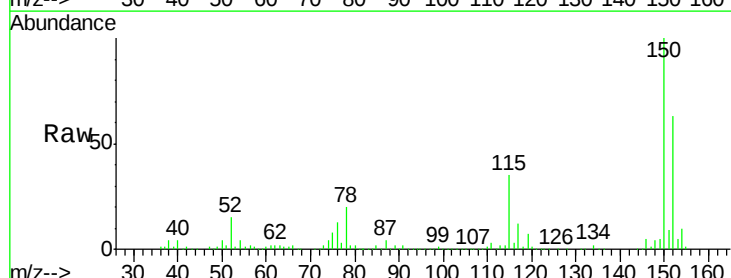
Tgt Ion:152 Resp: 158981

Ion Ratio Lower Upper

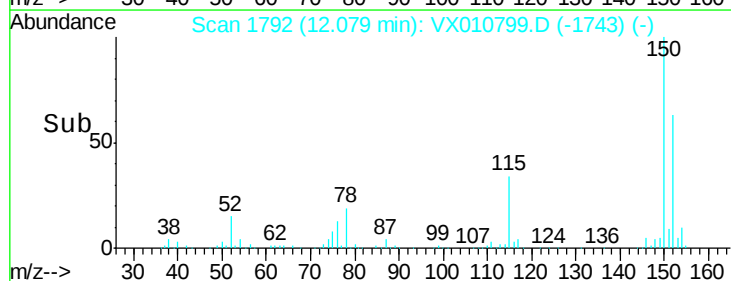
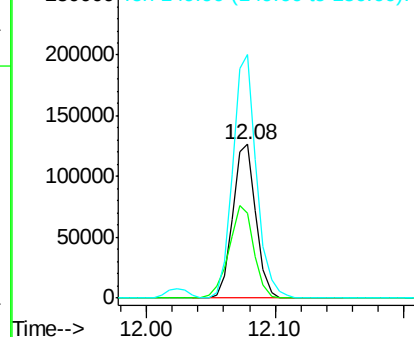
152 100

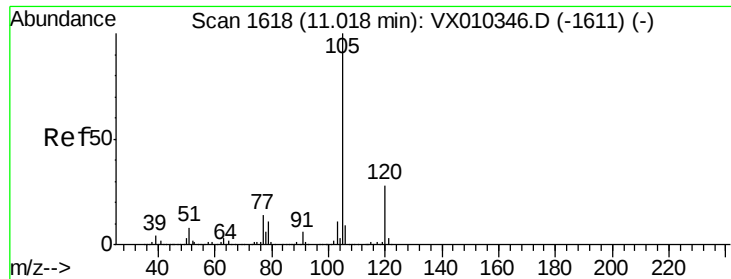
115 64.8 38.6 115.7

150 162.0 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.455 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion:105 Resp: 198886

Ion Ratio Lower Upper

105 100

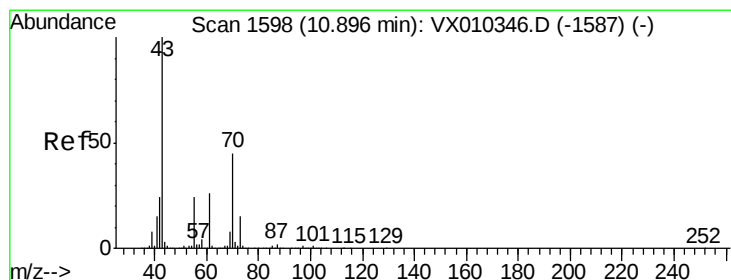
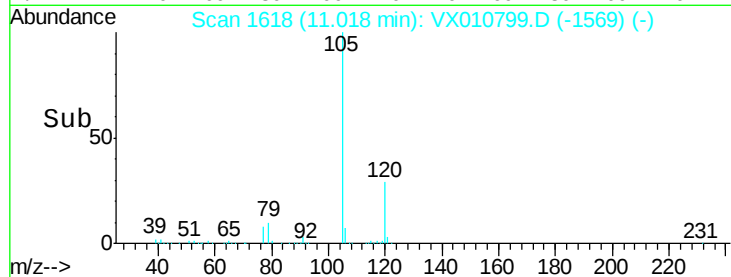
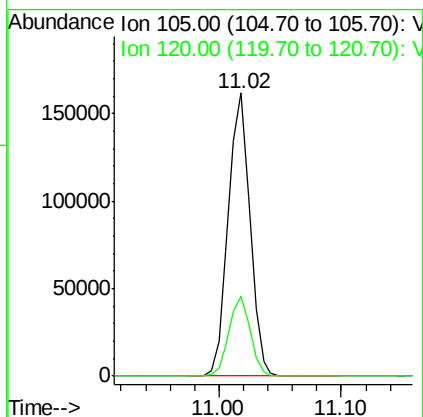
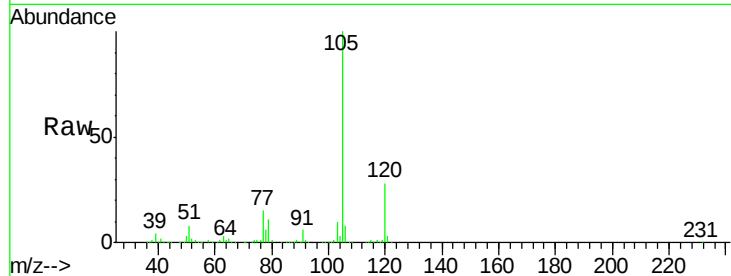
120 27.3 14.1 42.4

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#74

N-ethyl acetate

Concen: 18.296 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Tgt Ion: 43 Resp: 74515

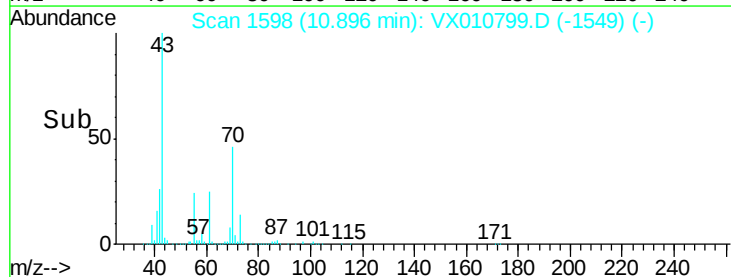
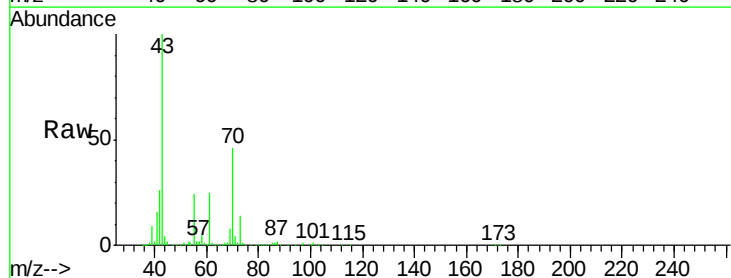
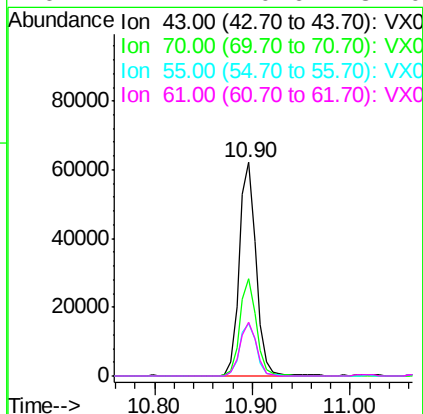
Ion Ratio Lower Upper

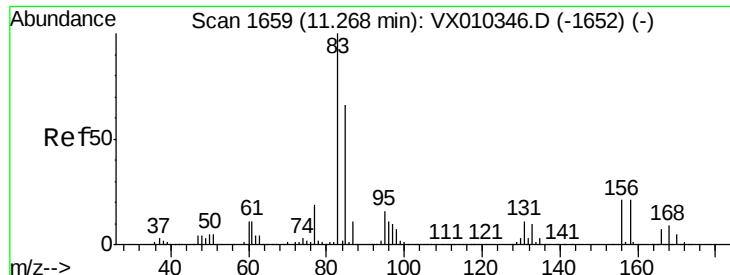
43 100

70 44.6 36.6 54.8

55 24.8 18.7 28.1

61 24.7 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.572 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

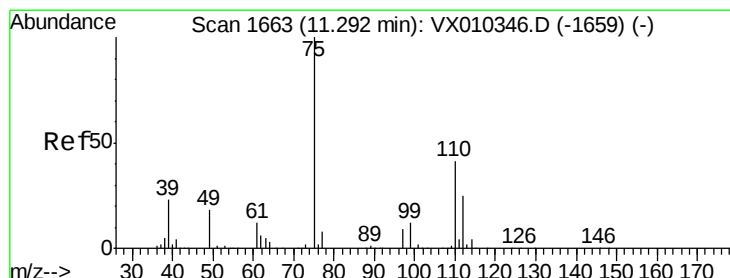
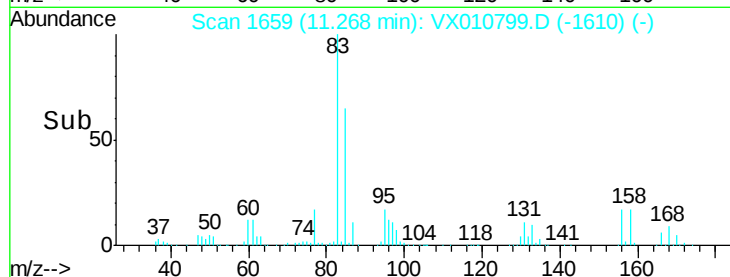
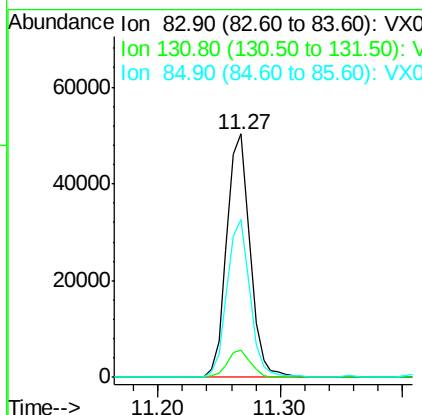
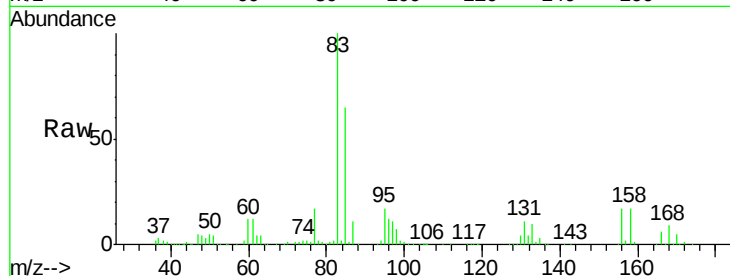
ClientSampleId :

VX0711WBS01

Tot Ion:	83	Resp:	66283
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.4
85	63.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.449 ug/l m

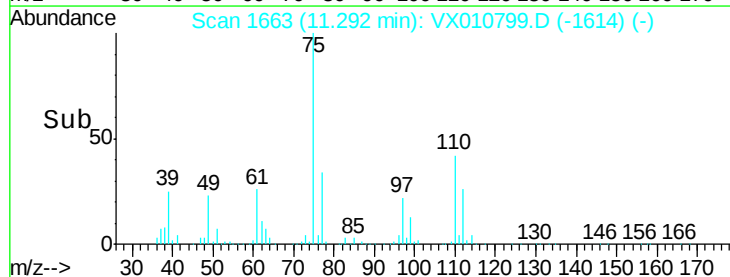
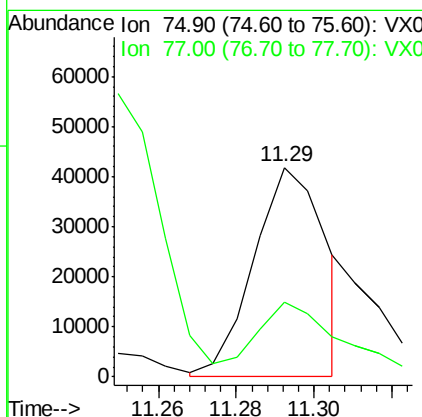
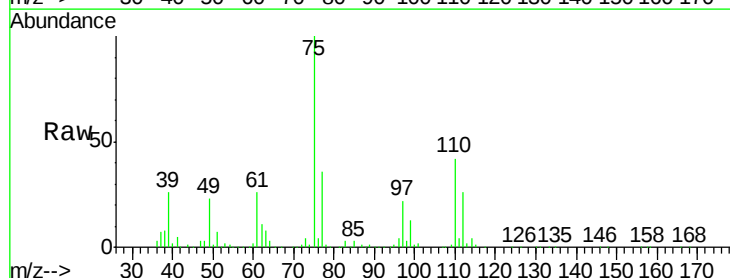
RT: 11.29 min Scan# 1663

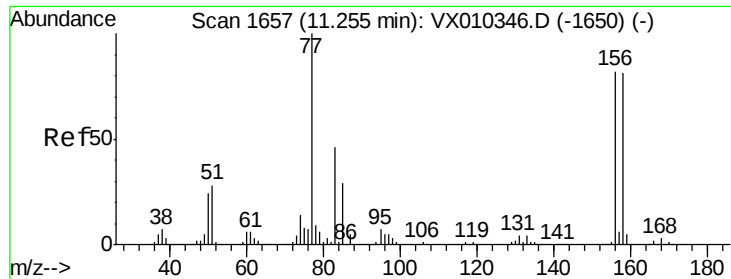
Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Tgt Ion:	75	Resp:	53447
Ion Ratio	Lower	Upper	
75	100		
77	43.2	22.6	67.8





#77

Bromobenzene

Concen: 17.709 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion:156 Resp: 53290

Ion Ratio Lower Upper

156 100

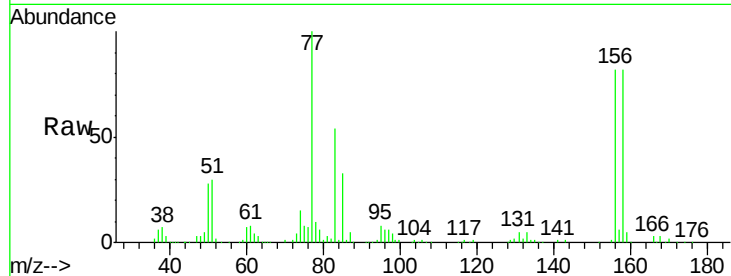
77 135.8 66.3 198.7

158 98.9 48.9 146.7

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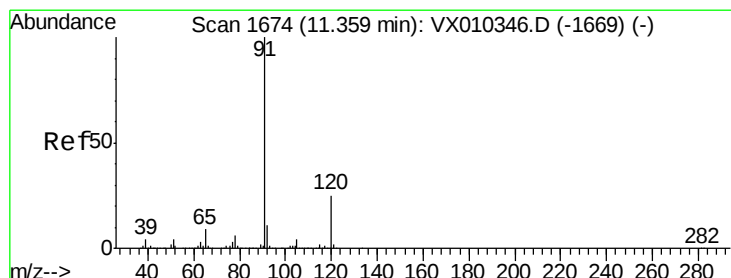
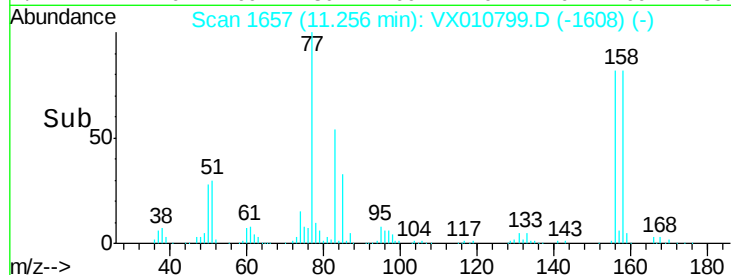
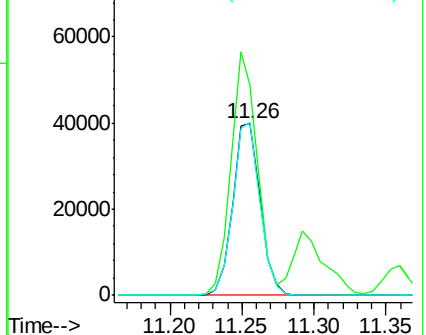
7/12/2019 12:22:02 PM



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: 18.389 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010799.D

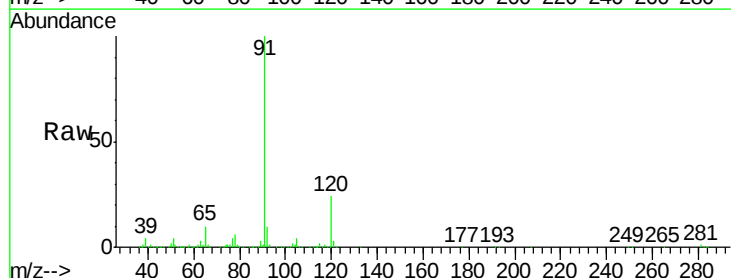
Acq: 11 Jul 2019 12:06

Tgt Ion: 91 Resp: 217800

Ion Ratio Lower Upper

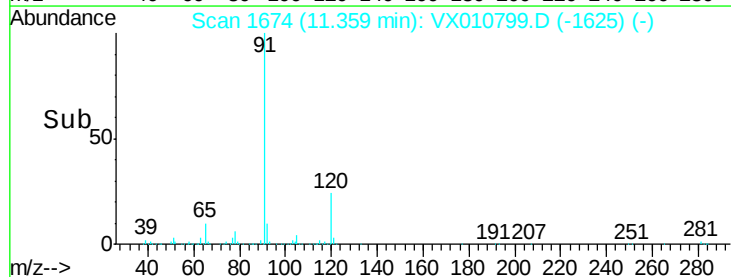
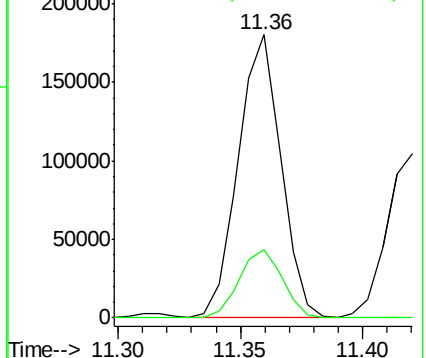
91 100

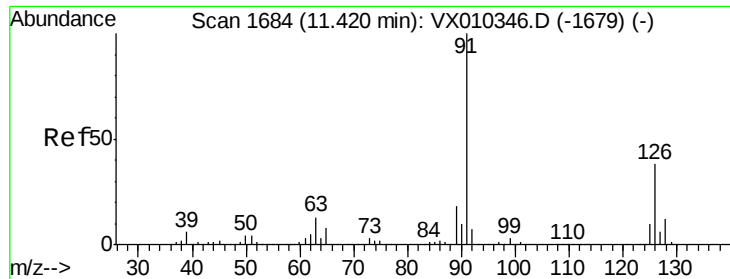
120 24.6 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.430 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion: 91 Resp: 129988

Ion Ratio Lower Upper

91 100

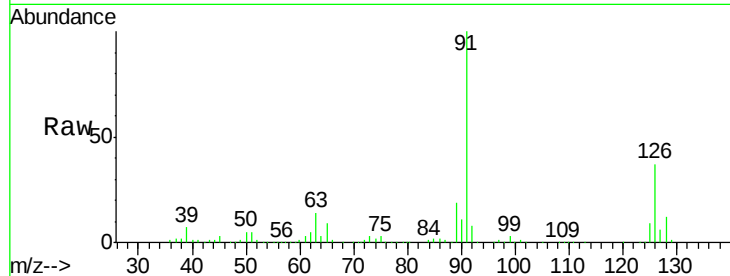
126 37.4 18.7 56.1

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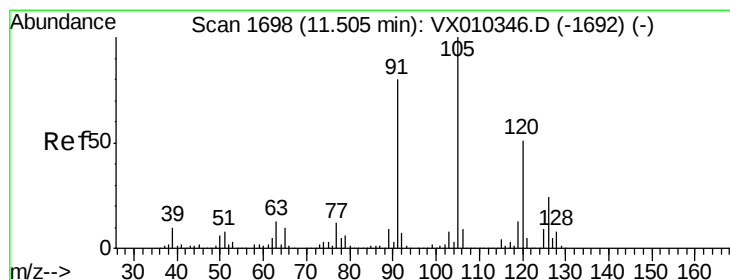
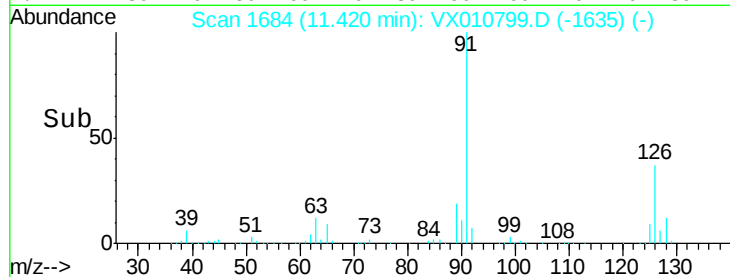
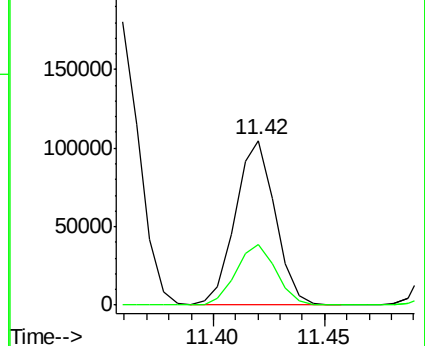
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Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1679) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 18.490 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010799.D

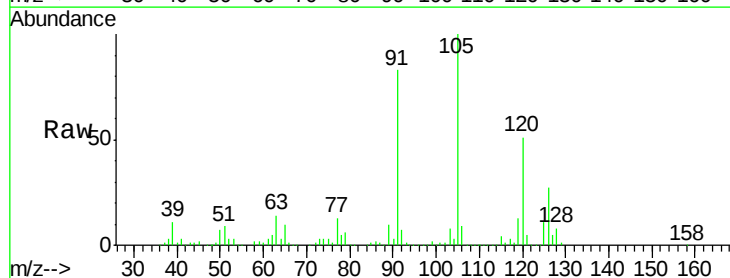
Acq: 11 Jul 2019 12:06

Tgt Ion: 105 Resp: 164268

Ion Ratio Lower Upper

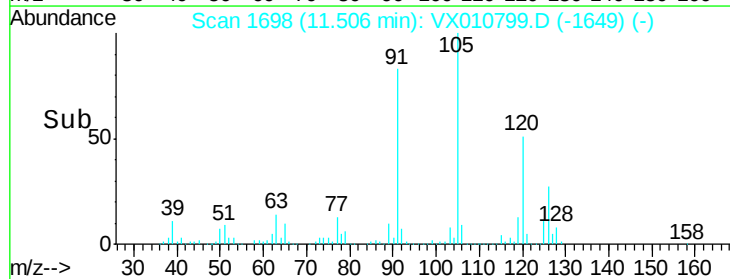
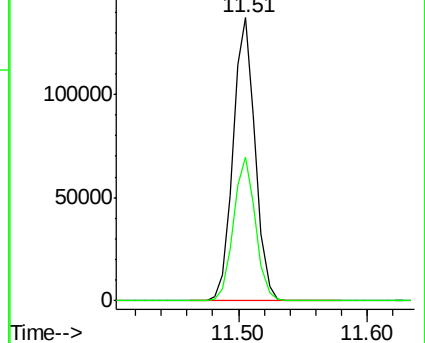
105 100

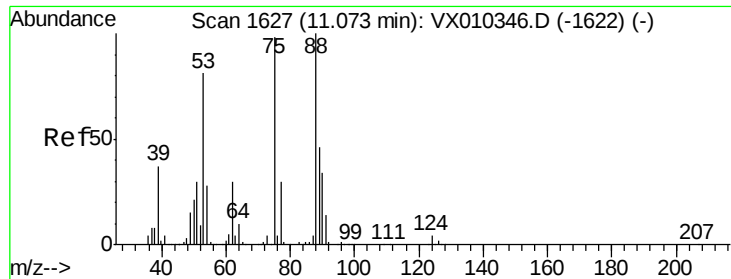
120 50.4 25.2 75.6



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 13.578 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

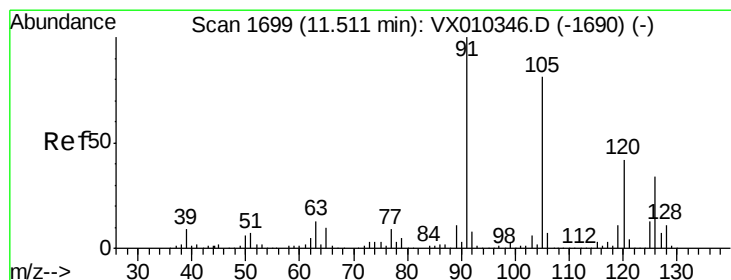
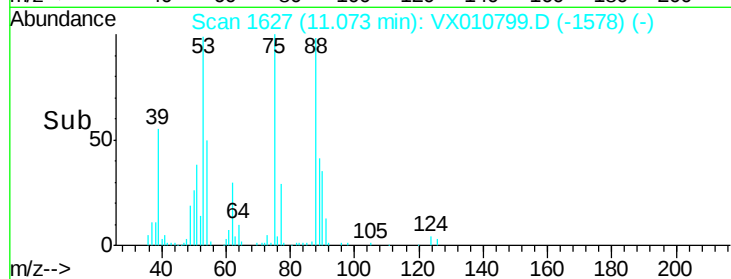
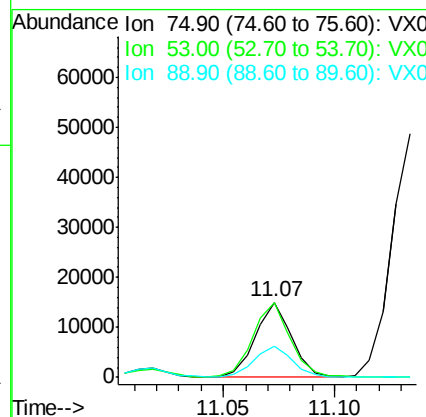
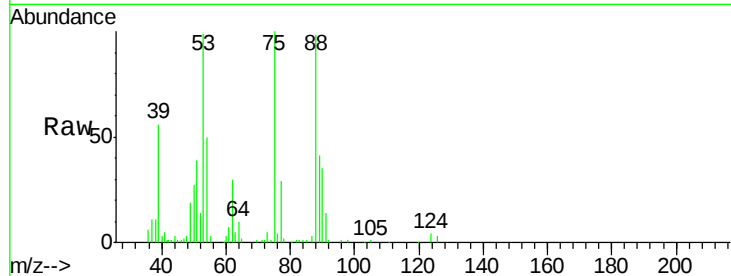
ClientSampleId :

VX0711WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.5	66.1	99.1#
89	44.6	37.8	56.6

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#82

4-Chlorotoluene

Concen: 18.457 ug/l

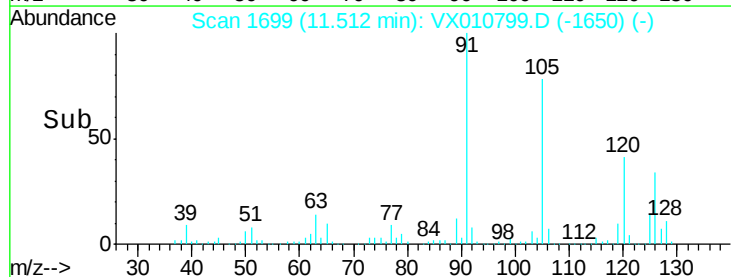
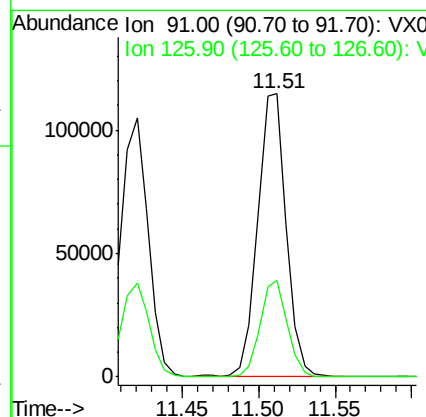
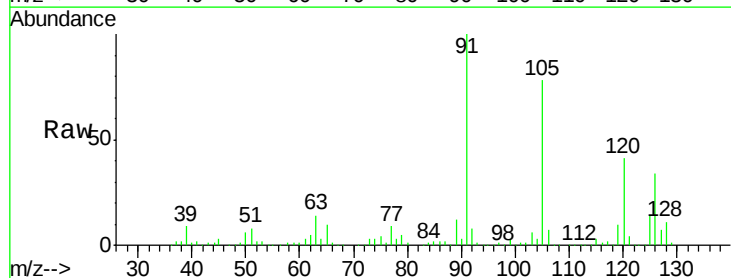
RT: 11.51 min Scan# 1699

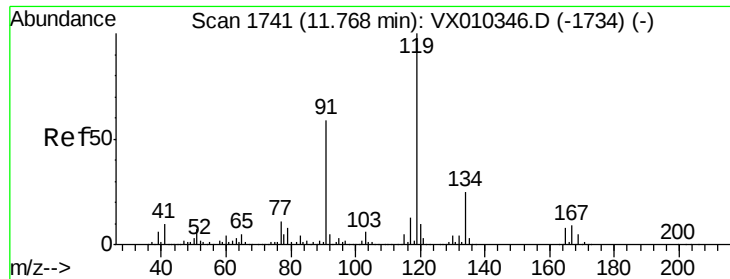
Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.2	48.6





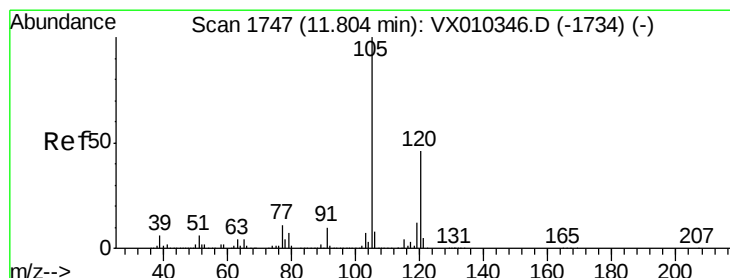
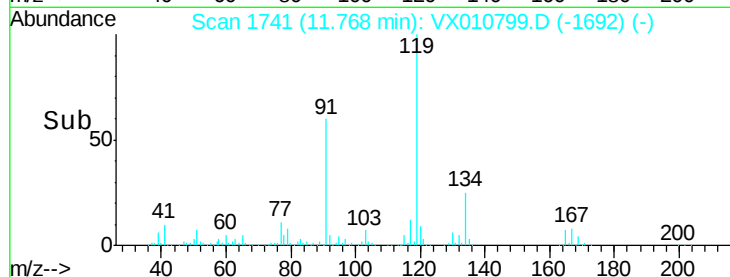
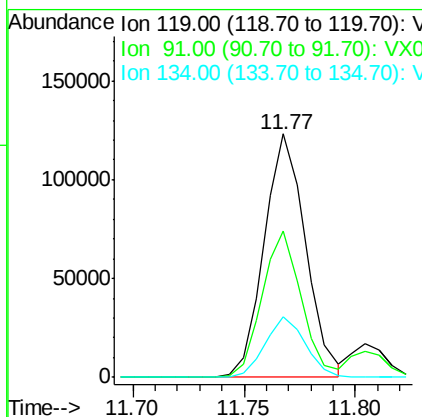
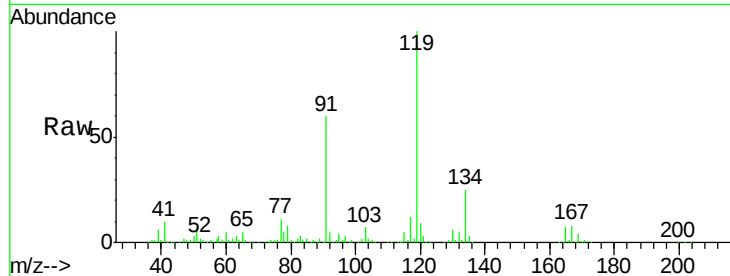
#83
 tert-Butylbenzene
 Concen: 17.839 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010799.D
 Acq: 11 Jul 2019 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	159072		
91	57.5		27.6	82.7
134	24.4		11.8	35.4

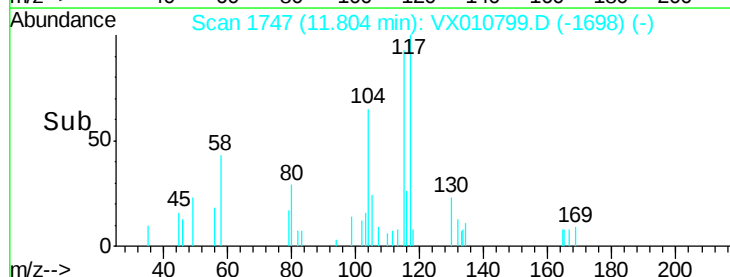
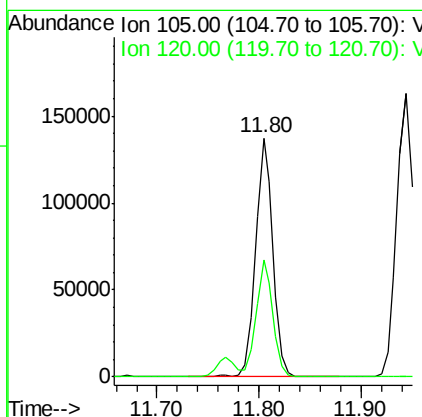
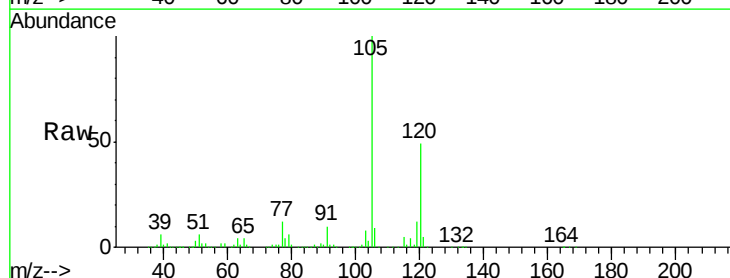
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.382 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010799.D
 Acq: 11 Jul 2019 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	164077		
120	47.5		23.1	69.2





#85

sec-Butylbenzene

Concen: 18.357 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBS01

Tot Ion:105 Resp: 192199

Ion Ratio Lower Upper

105 100

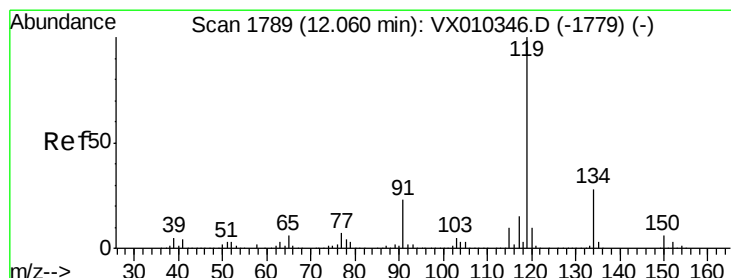
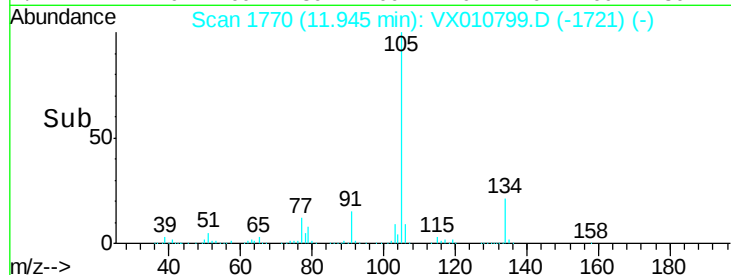
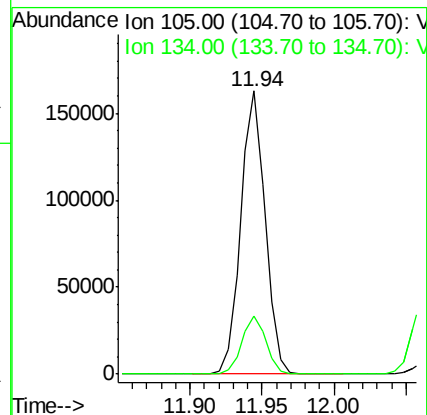
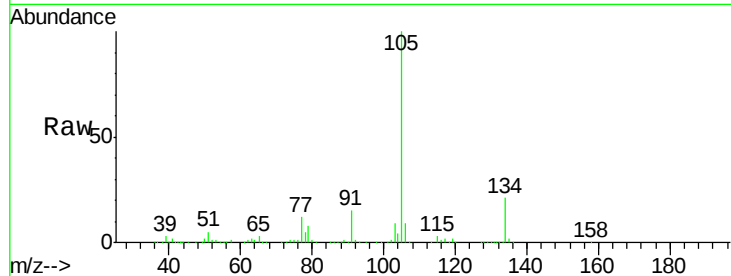
134 20.4 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 18.396 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

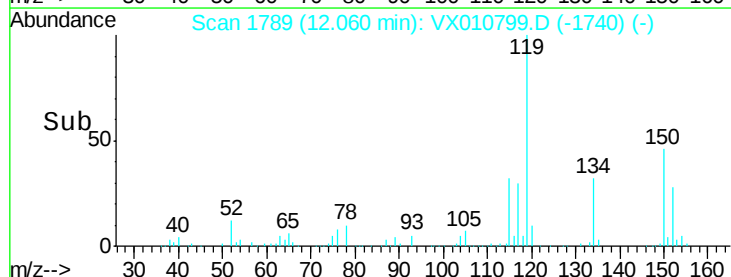
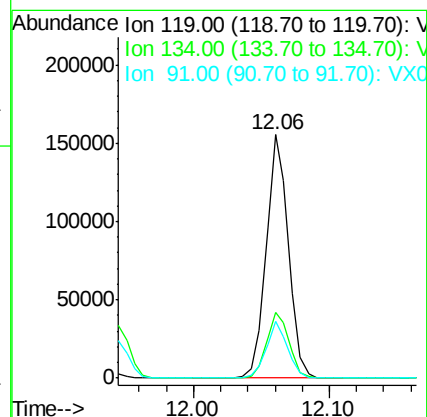
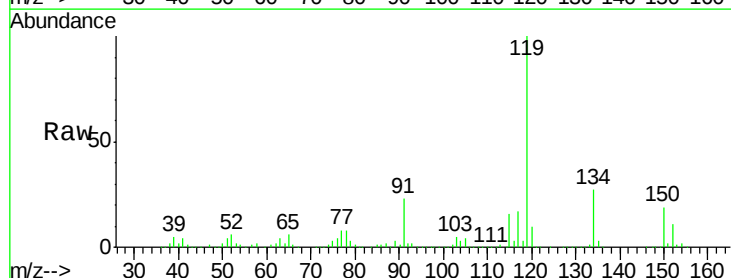
Tgt Ion:119 Resp: 178154

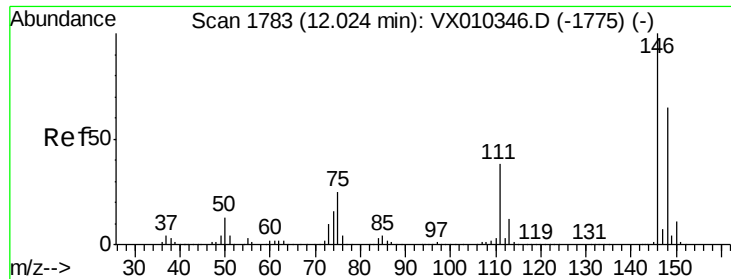
Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.1

91 22.4 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 17.978 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Instrument :

MSVOA_X

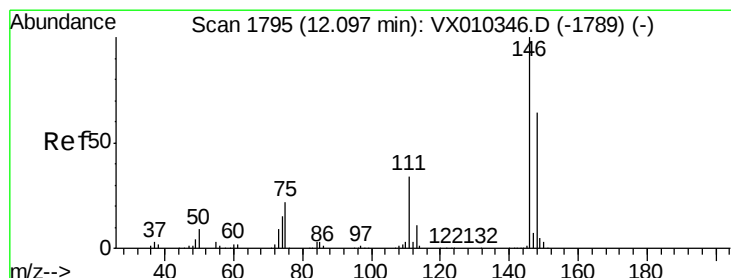
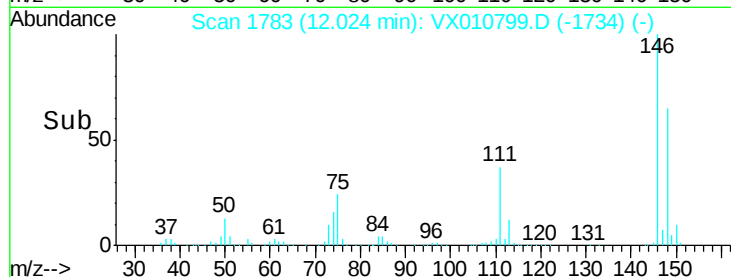
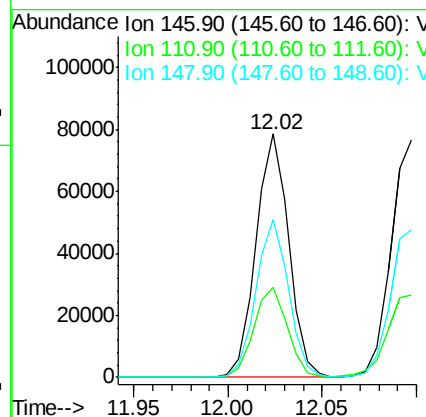
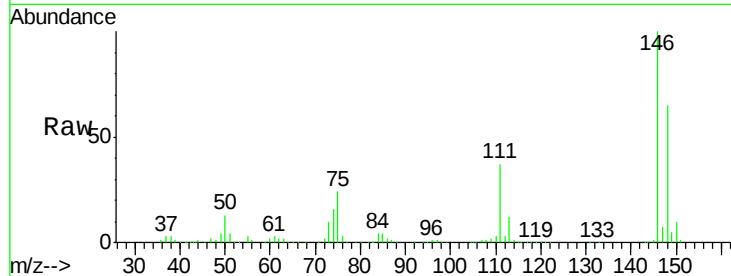
ClientSampled :

VX0711WBS01

Tot Ion:	146	Resp:	94433
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.1	57.1
148	64.6	32.5	97.4

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#88

1,4-Dichlorobenzene

Concen: 17.758 ug/l

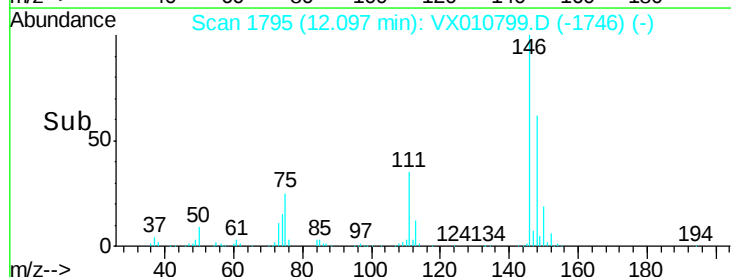
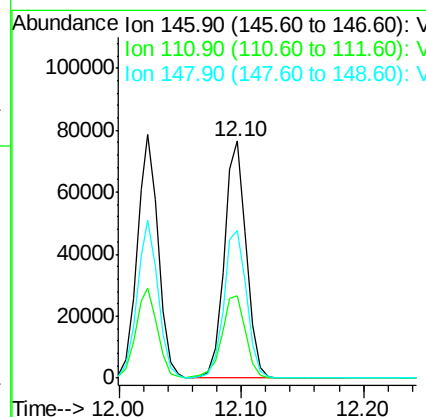
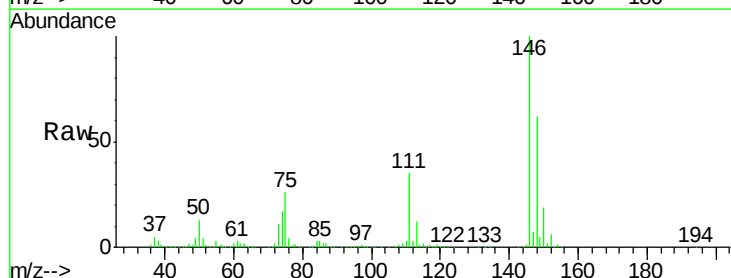
RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010799.D

Acq: 11 Jul 2019 12:06

Tgt Ion:	146	Resp:	94961
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.1	54.3
148	65.0	32.1	96.3





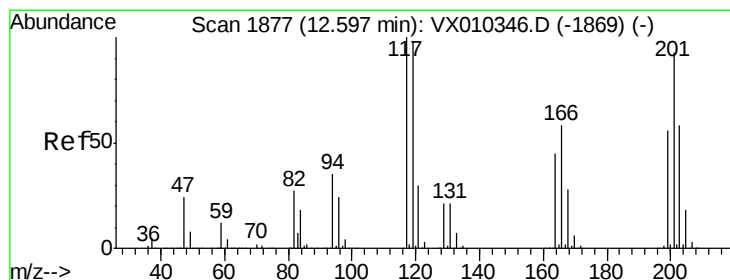
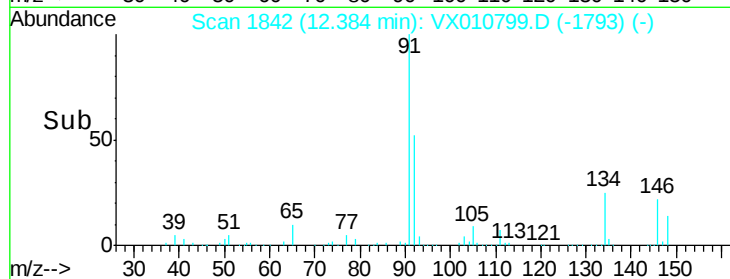
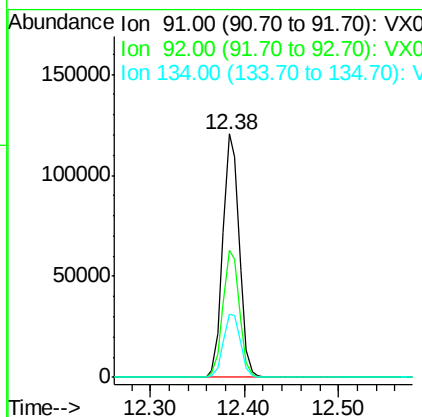
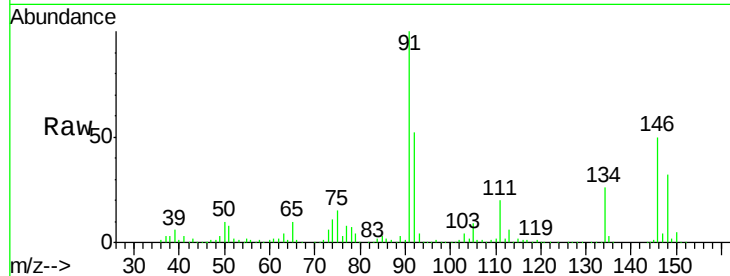
#89
n-Butylbenzene
Concen: 17.704 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		145694		
92	52.3	26.2	78.5		
134	27.2	14.1	42.4		

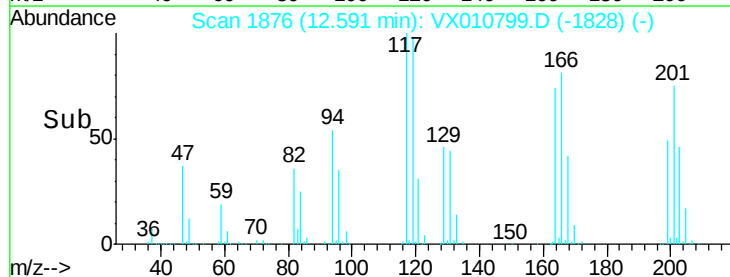
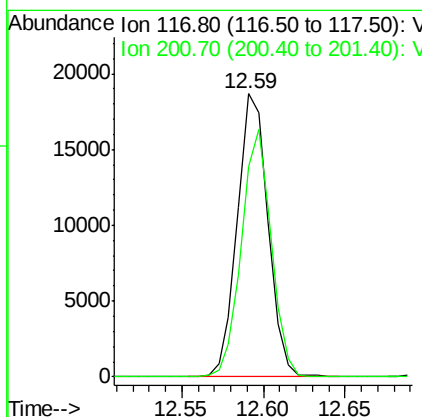
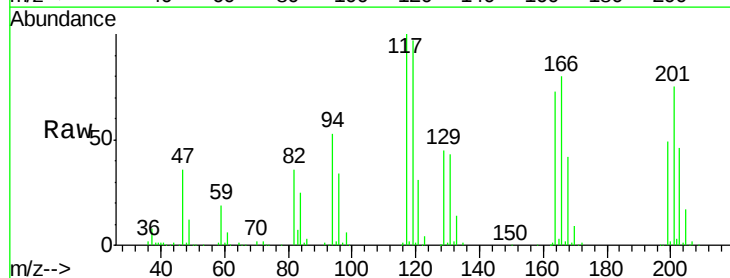
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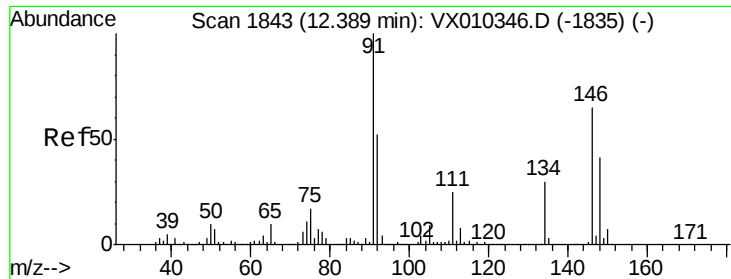
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#90
Hexachloroethane
Concen: 14.656 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		24542		
201	84.6	44.0	131.8		





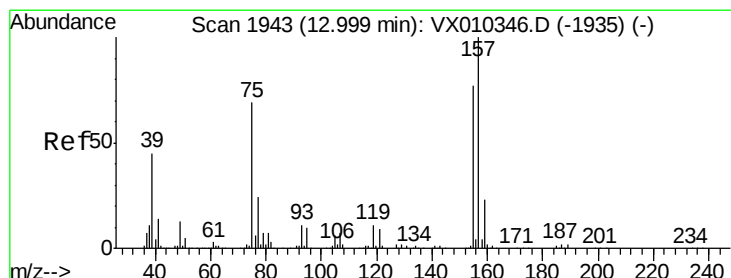
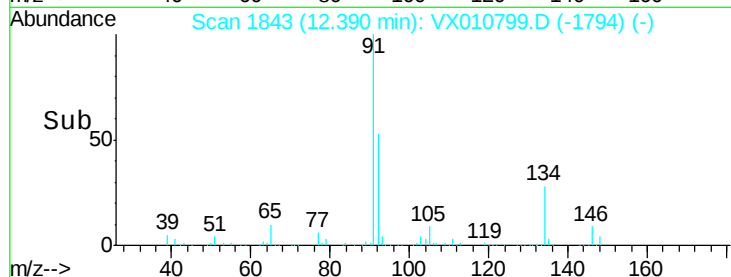
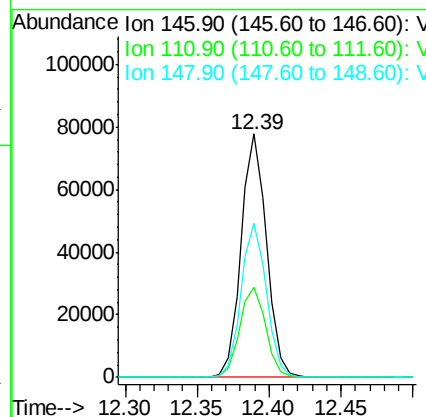
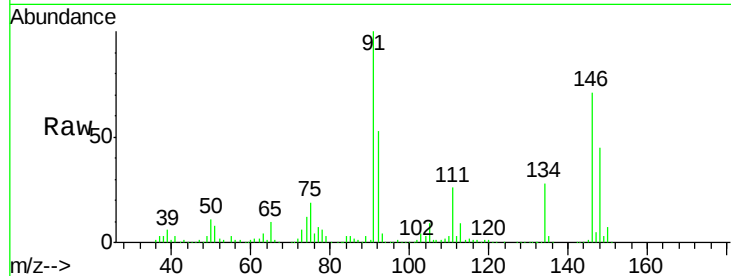
#91
 1,2-Dichlorobenzene
 Concen: 18.327 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010799.D
 Acq: 11 Jul 2019 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	95680		
111	38.2	19.2	57.6	
148	63.1	32.0	96.0	

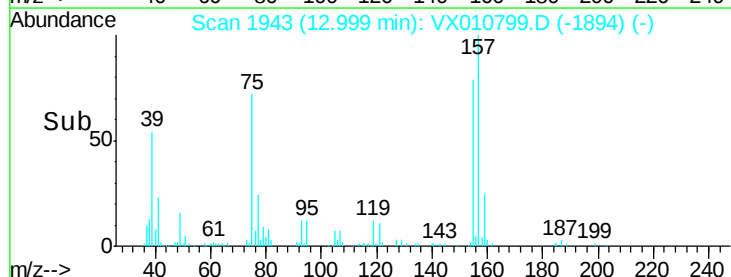
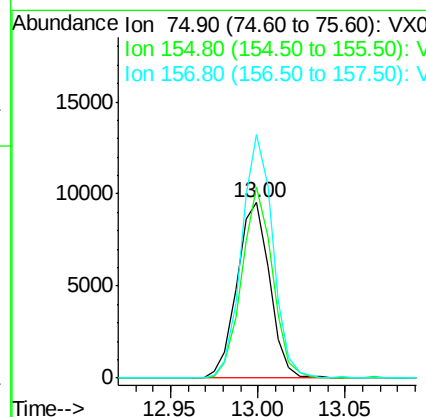
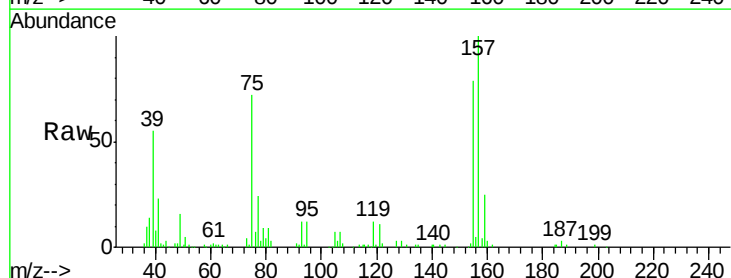
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.090 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010799.D
 Acq: 11 Jul 2019 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12381		
155	102.1	54.4	163.1	
157	131.8	69.5	208.3	





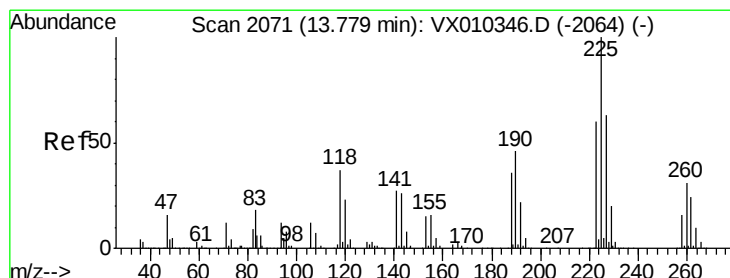
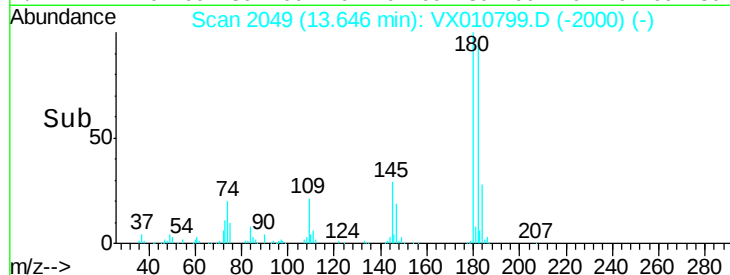
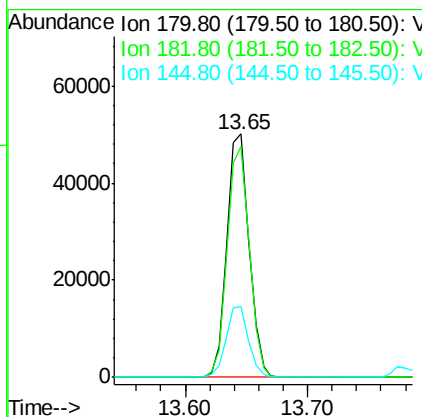
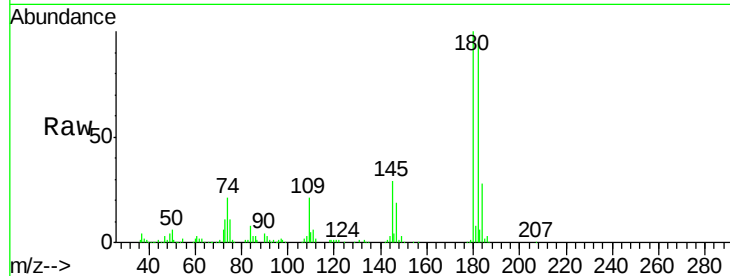
#93
 1,2,4-Trichlorobenzene
 Concen: 17.357 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010799.D
 Acq: 11 Jul 2019 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	62839		
182	94.4	48.0	144.0	
145	29.1	14.4	43.4	

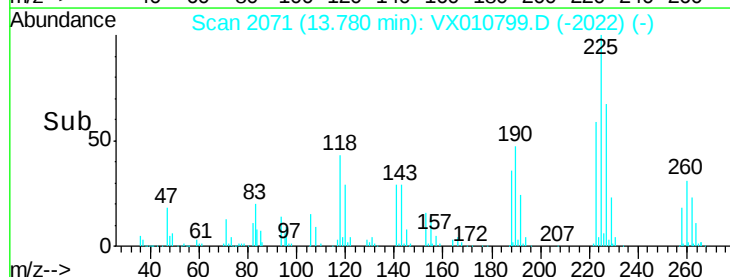
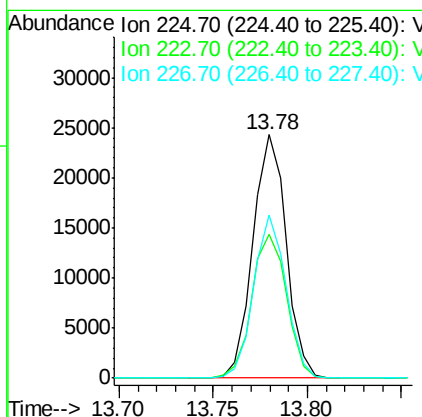
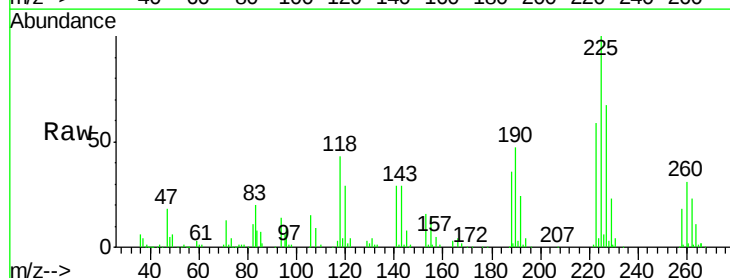
Manual Integrations
 APPROVED

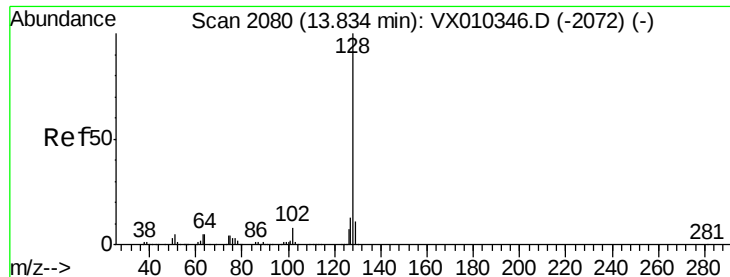
MMDadoda
 7/12/2019 12:22:02 PM



#94
 Hexachlorobutadiene
 Concen: 16.859 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010799.D
 Acq: 11 Jul 2019 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29830		
223	61.8	30.9	92.7	
227	65.1	31.9	95.5	





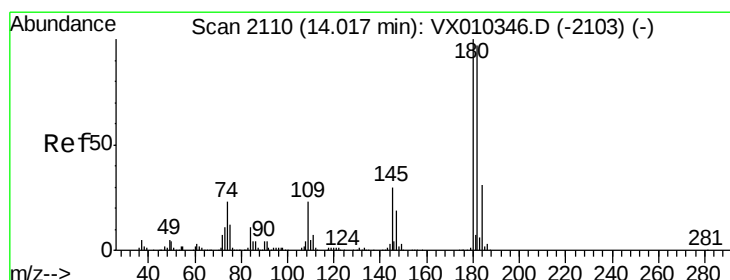
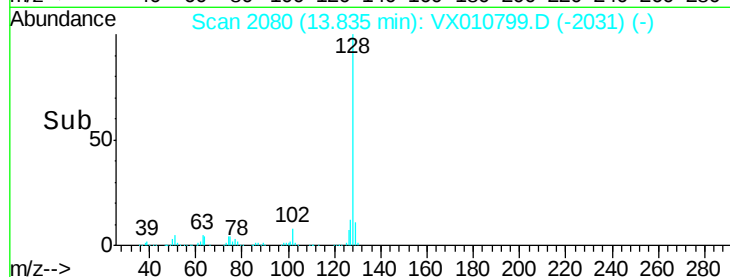
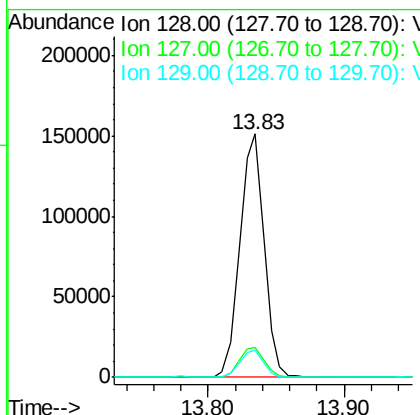
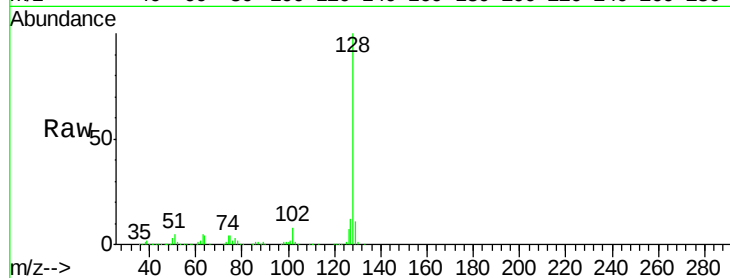
#95
Naphthalene
Concen: 16.779 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/12/2019 12:22:02 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.527 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010799.D
Acq: 11 Jul 2019 12:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.8	143.3
145	30.9	15.2	45.6

