

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070919\
 Data File : VX010741.D
 Acq On : 09 Jul 2019 11:30
 Operator : JC/SP
 Sample : VX0709WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 10:19:34 AM

Quant Time: Jul 09 12:44:39 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	221908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	331827	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	298574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	155468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	104347	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
35) Dibromofluoromethane	5.50	113	100755	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	8.71	98	371591	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
62) 4-Bromofluorobenzene	11.13	95	134391	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	35336	22.904	ug/l	97
3) Chloromethane	1.33	50	36572	20.358	ug/l	99
4) Vinyl Chloride	1.41	62	39225	19.935	ug/l	98
5) Bromomethane	1.64	94	23761	24.787	ug/l	94
6) Chloroethane	1.72	64	25742	22.174	ug/l	97
7) Trichlorofluoromethane	1.93	101	67118	21.518	ug/l	100
8) Diethyl Ether	2.19	74	22967	20.532	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	39503	20.898	ug/l	99
10) Methyl Iodide	2.51	142	40690	15.083	ug/l	96
11) Tert butyl alcohol	3.04	59	47393	87.051	ug/l	97
12) 1,1-Dichloroethene	2.37	96	37970	19.741	ug/l	93
13) Acrolein	2.29	56	29430	81.488	ug/l	99
14) Allyl chloride	2.73	41	53167	19.470	ug/l	96
15) Acrylonitrile	3.14	53	109953	102.006	ug/l	99
16) Acetone	2.44	43	100390	96.275	ug/l	97
17) Carbon Disulfide	2.57	76	91997	17.828	ug/l	100
18) Methyl Acetate	2.78	43	43840	21.095	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	122931	20.316	ug/l	98
20) Methylene Chloride	2.85	84	43313	20.184	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	41090	19.863	ug/l	96
22) Diisopropyl ether	3.85	45	115796	20.282	ug/l	95
23) Vinyl Acetate	3.81	43	503556	102.094	ug/l	98
24) 1,1-Dichloroethane	3.70	63	67211	20.366	ug/l	99
25) 2-Butanone	4.67	43	150884	98.645	ug/l	97
26) 2,2-Dichloropropane	4.58	77	52680	18.375	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	47613	19.917	ug/l	98
28) Bromochloromethane	5.01	49	29420	18.645	ug/l #	93
29) Tetrahydrofuran	5.13	42	94905	100.172	ug/l	99
30) Chloroform	5.21	83	71544	20.148	ug/l	97
31) Cyclohexane	5.58	56	60145	20.013	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	62019	19.780	ug/l	100
36) 1,1-Dichloropropene	5.80	75	50896	19.302	ug/l	99
37) Ethyl Acetate	4.83	43	54773	20.191	ug/l	99
38) Carbon Tetrachloride	5.79	117	53089	18.593	ug/l	96

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 Sample : VX0709WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Jul 09 12:44:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	67787	19.557	ug/l	97
40) Benzene	6.14	78	163785	19.937	ug/l	100
41) Methacrylonitrile	5.04	41	30264	20.333	ug/l	97
42) 1,2-Dichloroethane	6.19	62	53805	21.516	ug/l	99
43) Isopropyl Acetate	6.44	43	86873	19.356	ug/l	99
44) Trichloroethene	7.21	130	48001	19.527	ug/l	95
45) 1,2-Dichloropropane	7.51	63	41546	20.026	ug/l	97
46) Dibromomethane	7.66	93	30129	20.242	ug/l	95
47) Bromodichloromethane	7.90	83	51127	18.743	ug/l	99
48) Methyl methacrylate	7.77	41	41539	19.912	ug/l	99
49) 1,4-Dioxane	7.74	88	24203	402.735	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	294920	102.744	ug/l	98
52) Toluene	8.79	92	105761	19.549	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	53744	17.574	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	61305	18.447	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	44029	19.733	ug/l	99
56) Ethyl methacrylate	9.18	69	64929	19.210	ug/l	96
57) 1,3-Dichloropropane	9.37	76	69591	20.093	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	149549	93.164	ug/l	100
59) 2-Hexanone	9.49	43	228197	101.011	ug/l	98
60) Dibromochloromethane	9.58	129	43446	17.391	ug/l	100
61) 1,2-Dibromoethane	9.67	107	46475	19.298	ug/l	100
64) Tetrachloroethene	9.34	164	47547	19.689	ug/l	96
65) Chlorobenzene	10.14	112	120365	19.857	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	41424	18.761	ug/l	99
67) Ethyl Benzene	10.25	91	205718	20.103	ug/l	99
68) m/p-Xylenes	10.36	106	159277	40.169	ug/l	99
69) o-Xylene	10.70	106	78473	20.124	ug/l	98
70) Styrene	10.71	104	130880	20.014	ug/l	99
71) Bromoform	10.85	173	31193	16.246	ug/l	# 99
73) Isopropylbenzene	11.02	105	205346	19.485	ug/l	98
74) N-amyl acetate	10.90	43	78830	19.792	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	68138	19.523	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	55804m	19.698	ug/l	
77) Bromobenzene	11.26	156	56098	19.063	ug/l	99
78) n-propylbenzene	11.36	91	226677	19.570	ug/l	99
79) 2-Chlorotoluene	11.42	91	134418	19.489	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	171467	19.736	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	17866	14.712	ug/l	# 88
82) 4-Chlorotoluene	11.51	91	153757	19.591	ug/l	100
83) tert-Butylbenzene	11.77	119	168306	19.301	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	170669	19.553	ug/l	100
85) sec-Butylbenzene	11.94	105	198304	19.369	ug/l	99
86) p-Isopropyltoluene	12.06	119	182745	19.297	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	98654	19.206	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	98344	18.806	ug/l	98
89) n-Butylbenzene	12.38	91	150999	18.764	ug/l	99
90) Hexachloroethane	12.59	117	26226	16.016	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	97557	19.109	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13133	17.453	ug/l	92

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Manual Integrations
APPROVED

MMDadoda
7/10/2019 10:19:34 AM

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	64646	18.259	ug/l	99
94) Hexachlorobutadiene	13.78	225	31173	18.016	ug/l	99
95) Naphthalene	13.83	128	198651	18.259	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	65930	18.730	ug/l	99

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

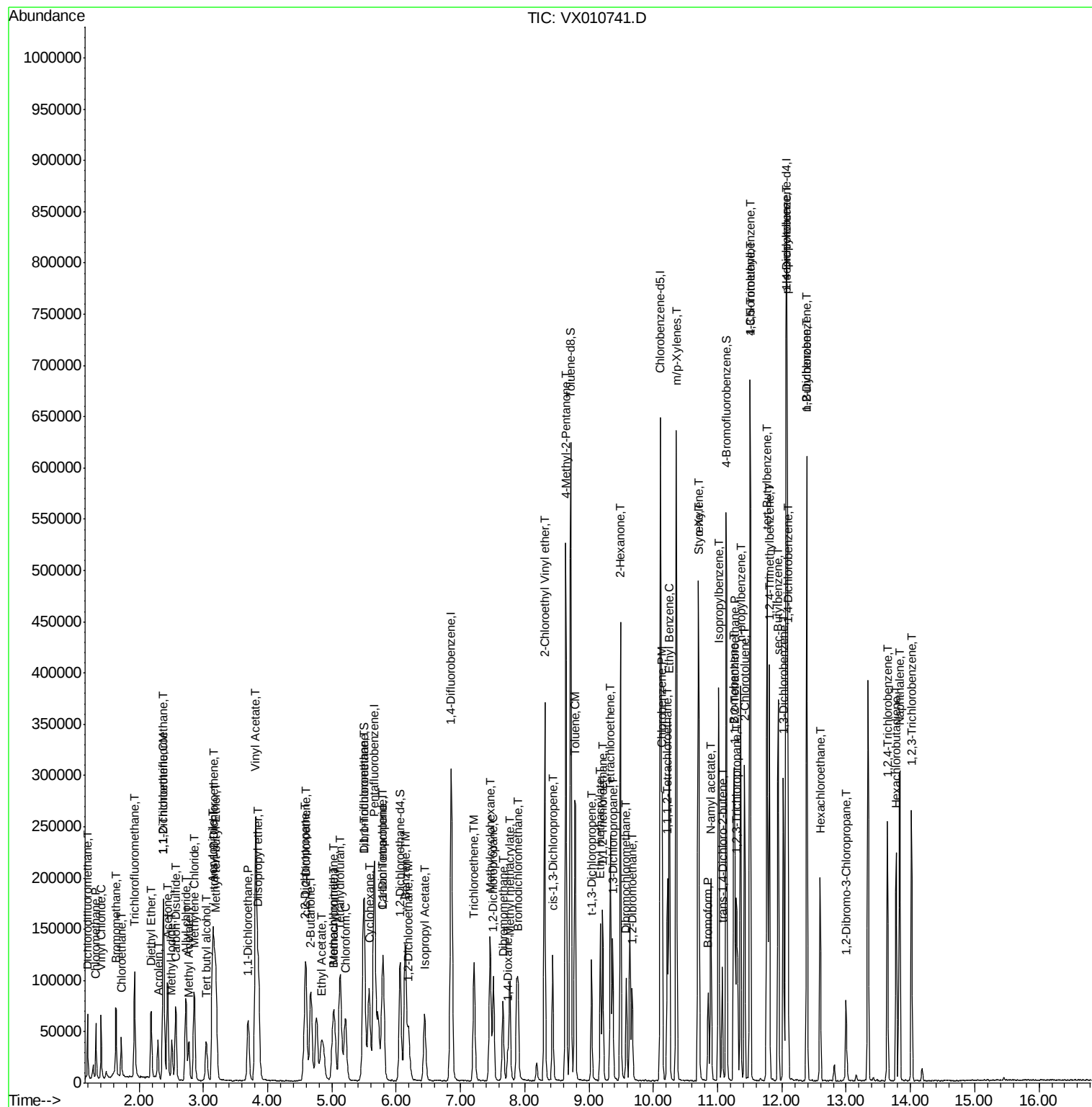
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Data File : VX010741.D
Acq On : 09 Jul 2019 11:30
Operator : JC/SP
Sample : VX0709WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

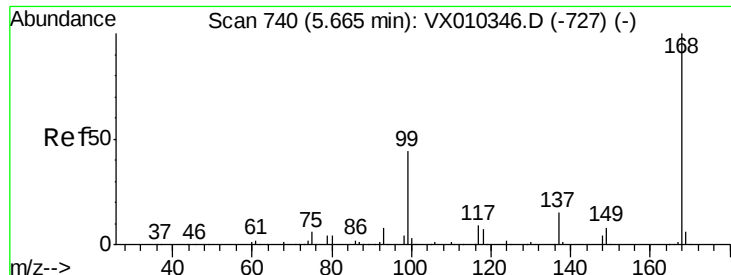
Instrument :
MSVOA_X
Client Sample Id :
VX0709WBS01

Manual Integrations
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MMDadoda
7/10/2019 10:19:34 AM

Quant Time: Jul 09 12:44:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion:168 Resp: 221908

Ion Ratio Lower Upper

168 100

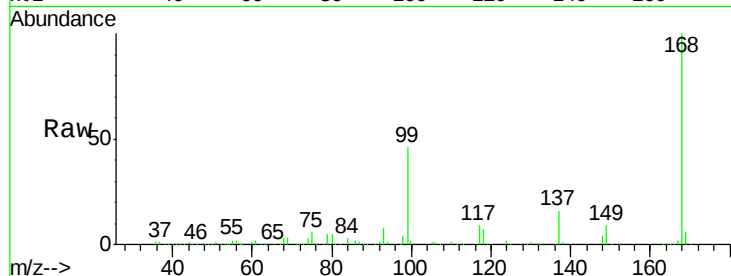
99 46.0 35.5 53.3

Manual Integrations

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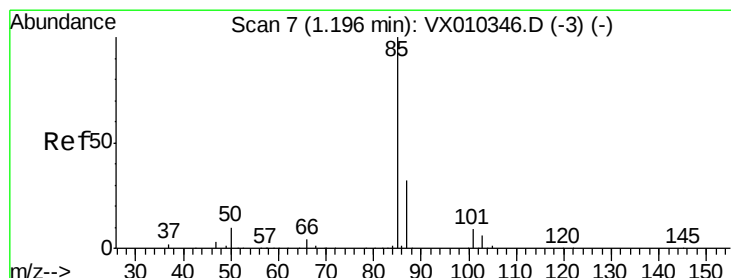
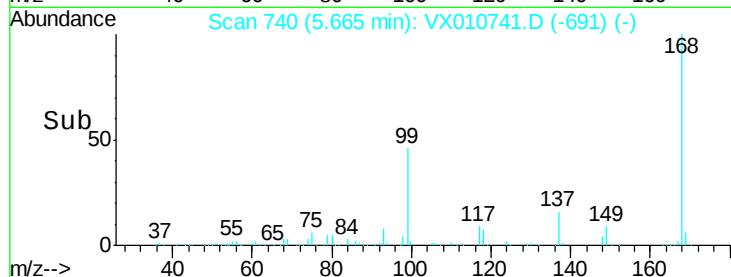
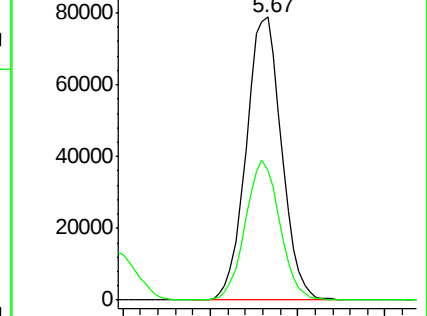
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7/10/2019 10:19:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 22.904 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010741.D

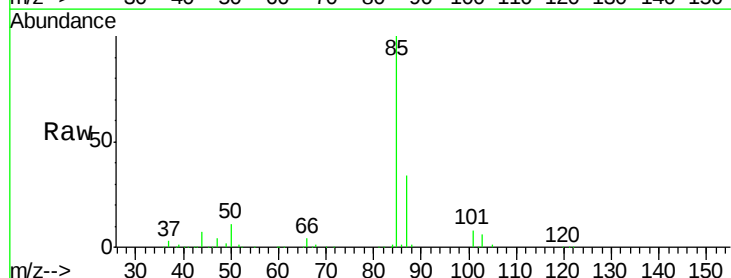
Acq: 09 Jul 2019 11:30

Tgt Ion: 85 Resp: 35336

Ion Ratio Lower Upper

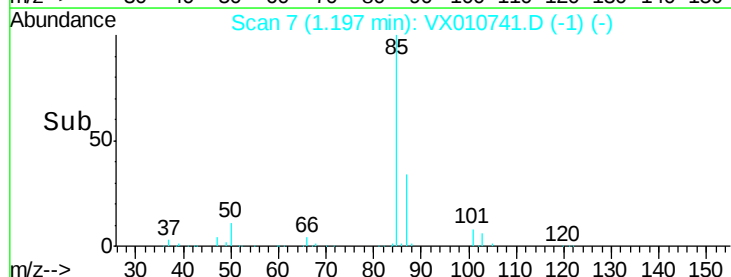
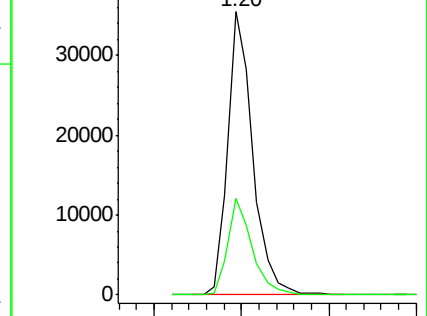
85 100

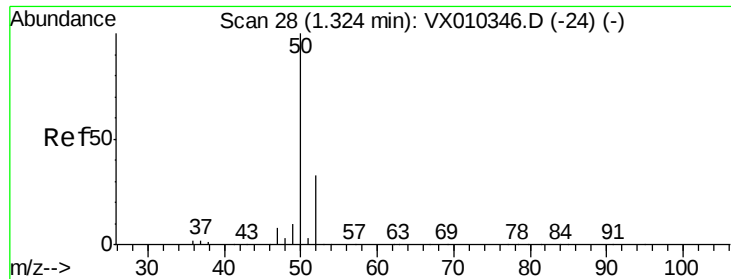
87 34.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.358 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion: 50 Resp: 36572

Ion Ratio Lower Upper

50 100

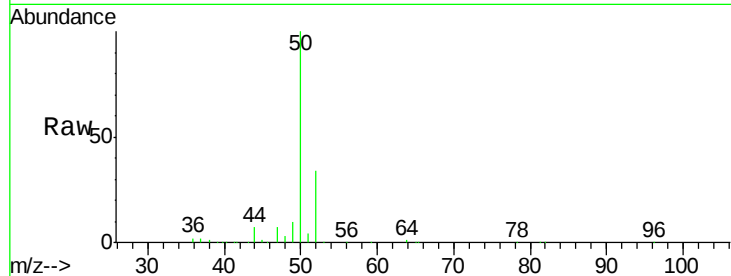
52 33.9 26.5 39.7

Manual Integrations

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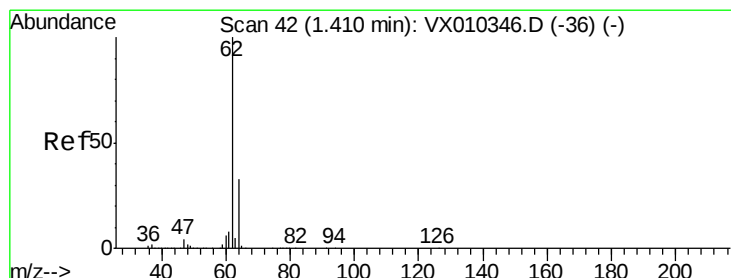
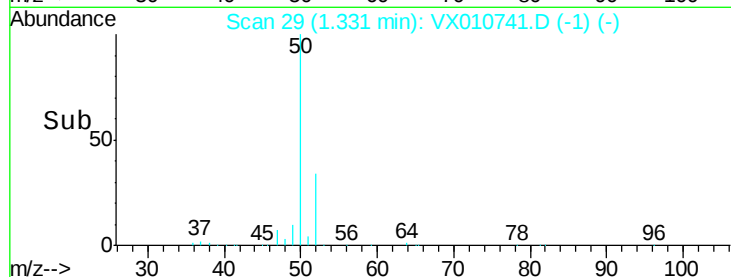
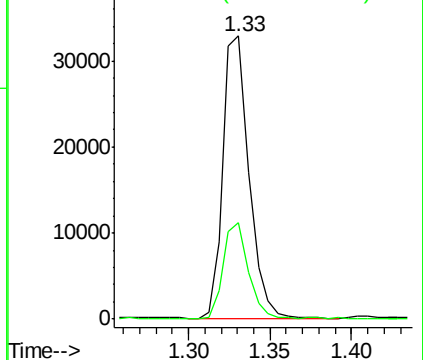
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.935 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010741.D

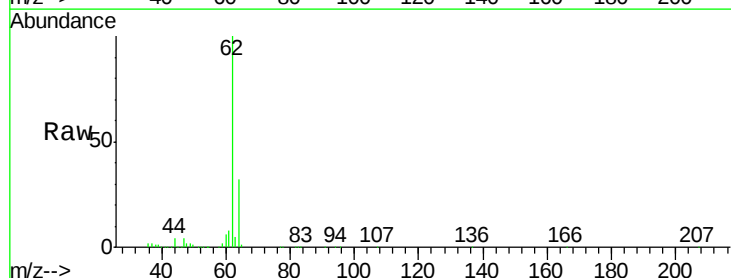
Acq: 09 Jul 2019 11:30

Tgt Ion: 62 Resp: 39225

Ion Ratio Lower Upper

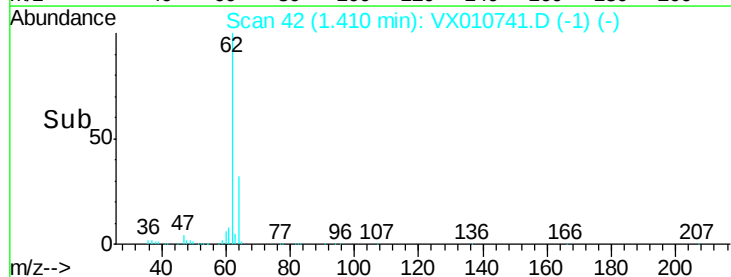
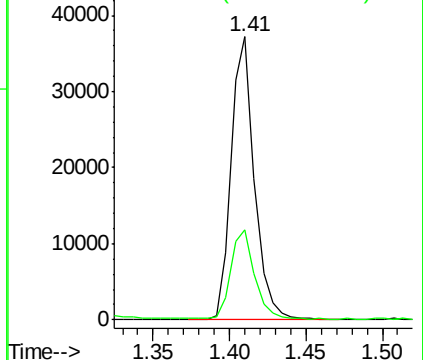
62 100

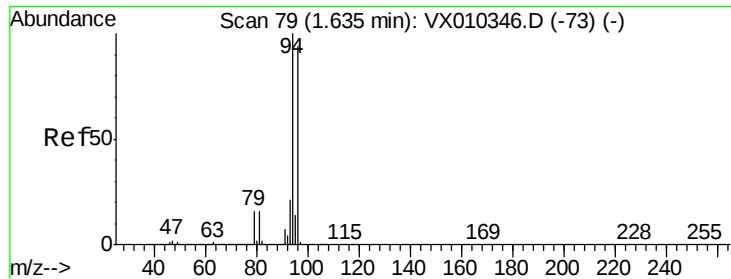
64 31.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 24.787 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion: 94 Resp: 23761

Ion Ratio Lower Upper

94 100

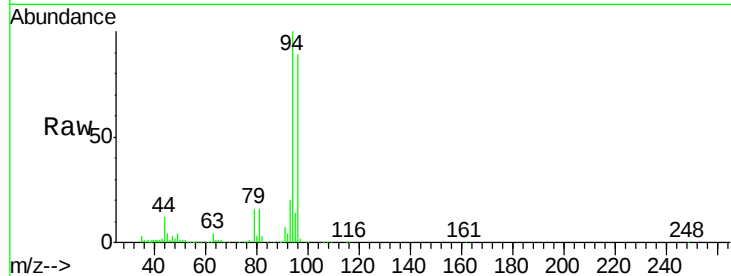
96 89.1 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

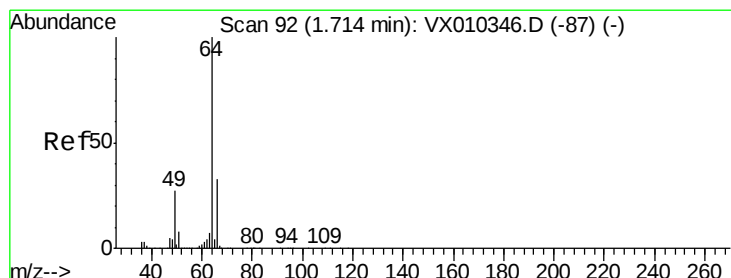
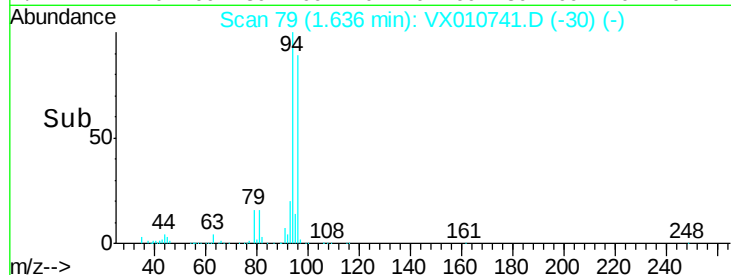
10000

5000

0

Time-->

1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 22.174 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010741.D

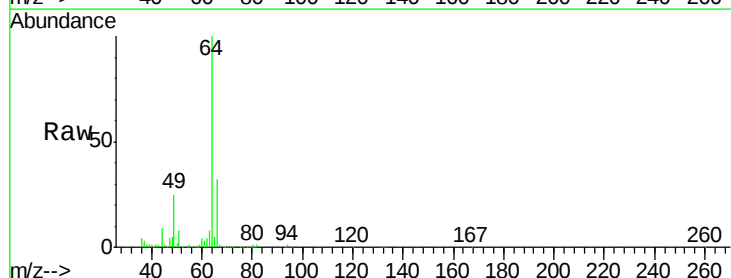
Acq: 09 Jul 2019 11:30

Tgt Ion: 64 Resp: 25742

Ion Ratio Lower Upper

64 100

66 31.8 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

20000

15000

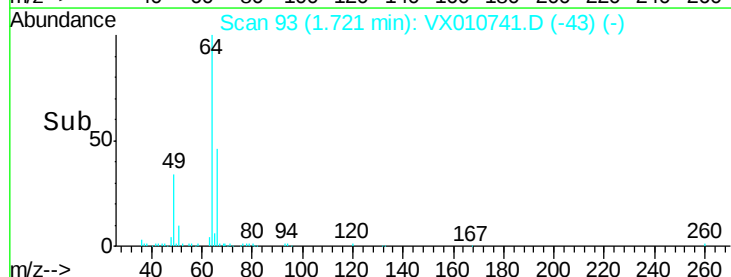
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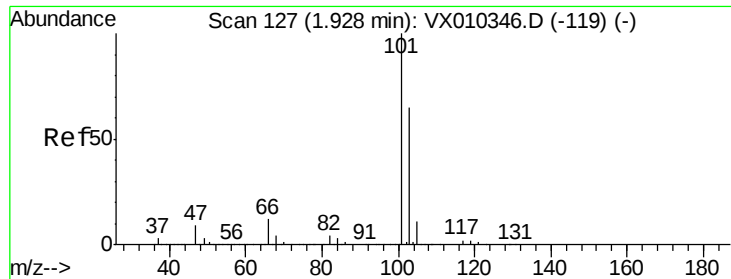
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0

Time-->

1.65 1.70 1.75 1.80





#7

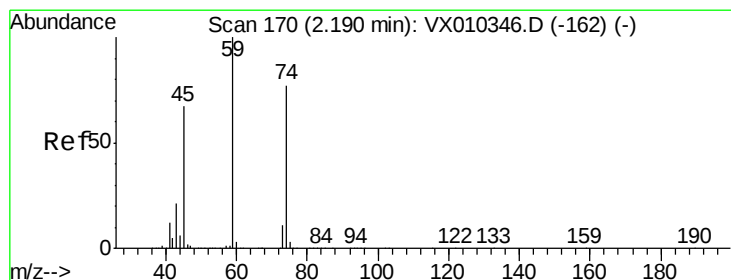
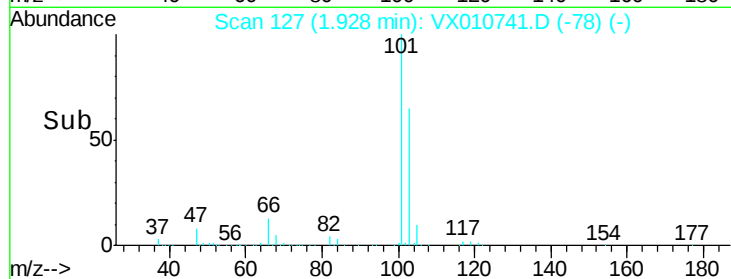
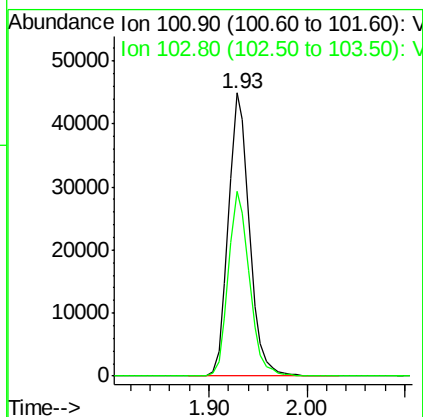
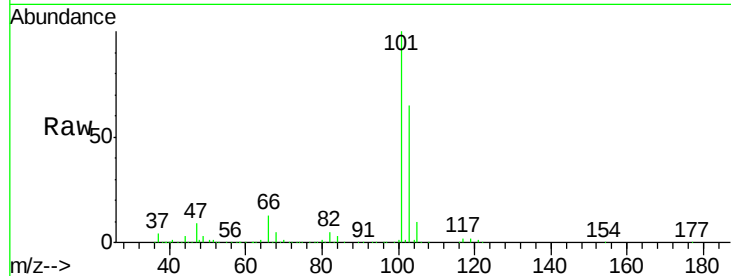
Trichlorofluoromethane
Concen: 21.518 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	101	Resp	67118
Ion Ratio	100	Lower	Upper
101	100		
103	65.4	52.3	78.5

Manual Integrations
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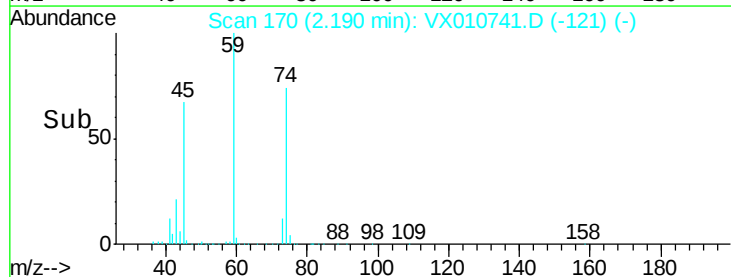
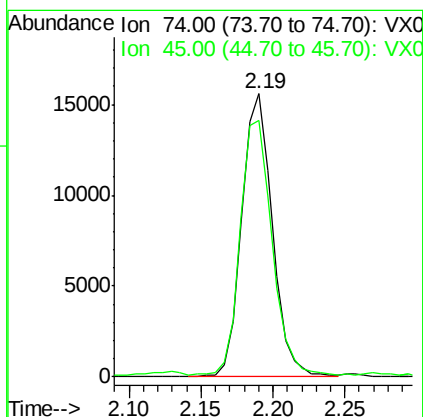
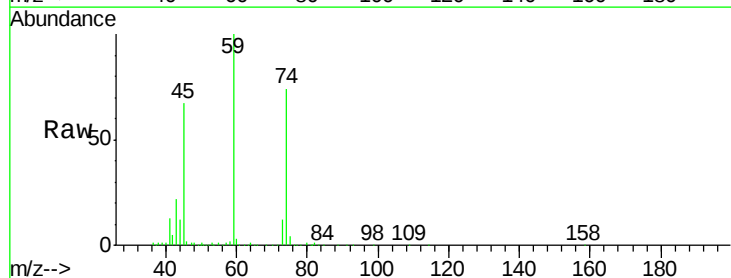
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7/10/2019 10:19:34 AM



#8

Diethyl Ether
Concen: 20.532 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Tgt Ion	74	Resp	22967
Ion Ratio	100	Lower	Upper
74	100		
45	92.8	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.898 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

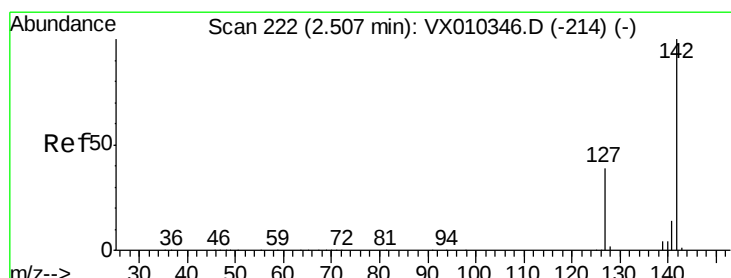
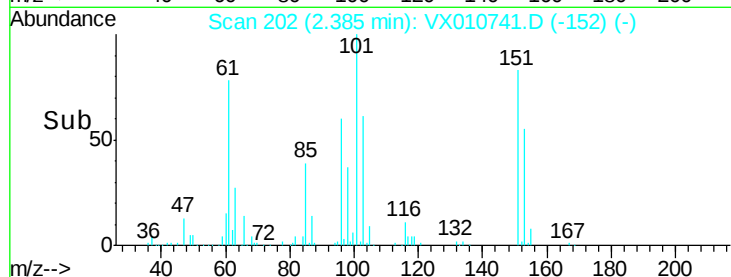
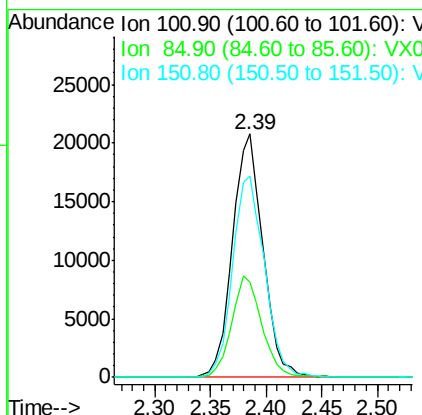
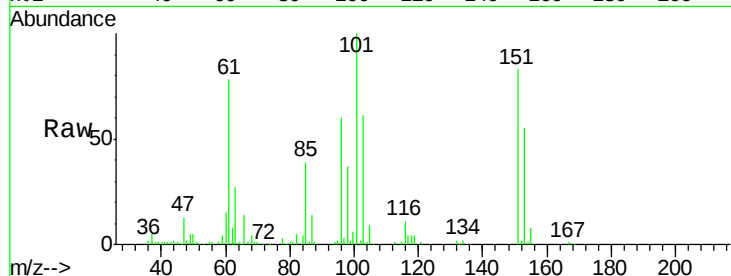
ClientSampled :

VX0709WBS01

Tot Ion:	101	Resp:	39503
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.7	50.5
151	86.5	70.1	105.1

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#10

Methyl Iodide

Concen: 15.083 ug/l

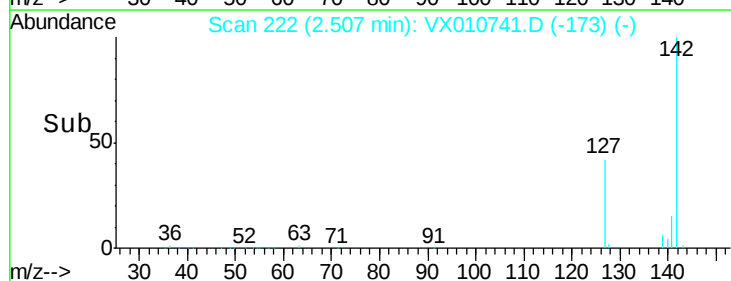
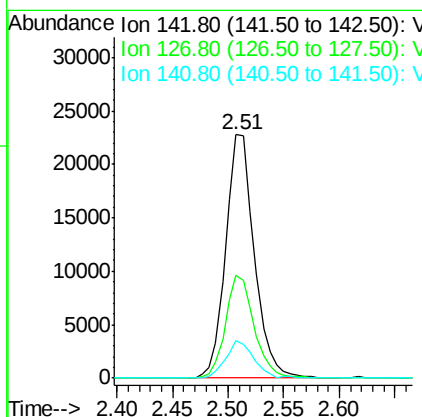
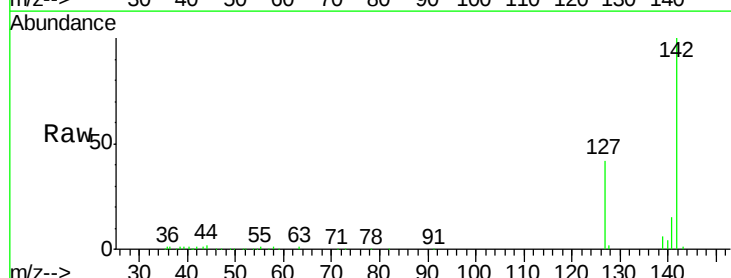
RT: 2.51 min Scan# 222

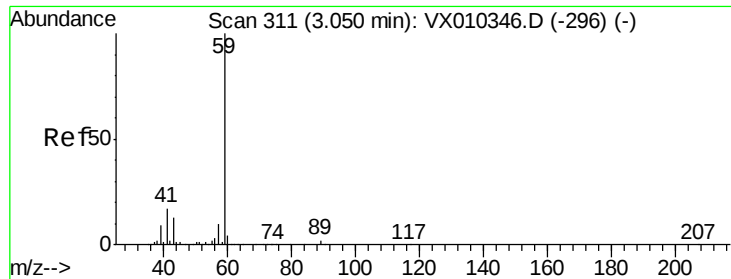
Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Tgt Ion:	142	Resp:	40690
Ion Ratio	Lower	Upper	
142	100		
127	42.0	31.1	46.7
141	14.8	11.2	16.8





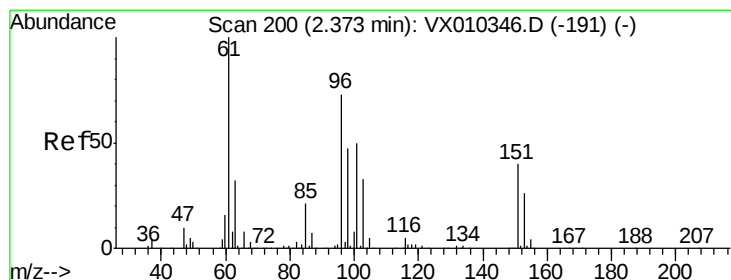
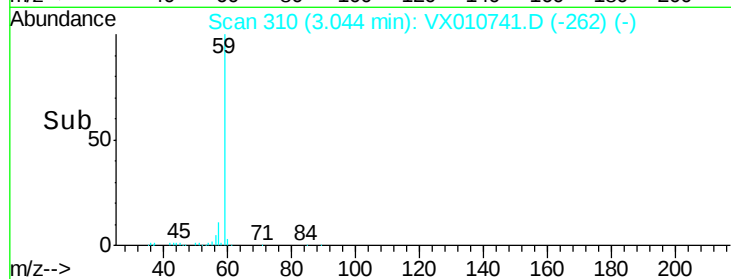
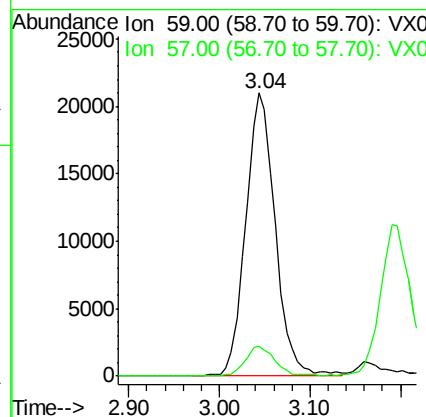
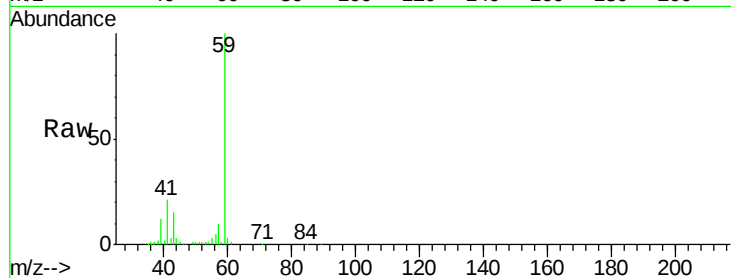
#11
Tert butyl alcohol
Concen: 87.051 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion: 59 Resp: 47393
Ion Ratio Lower Upper
59 100
57 10.8 7.7 11.5

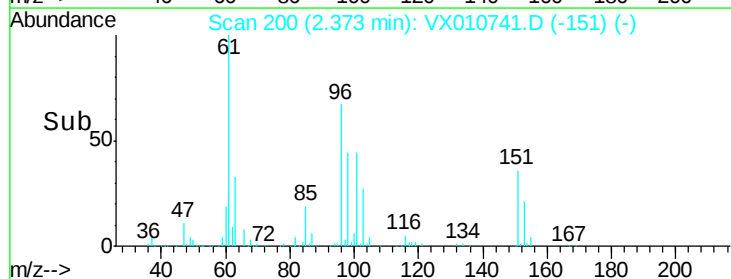
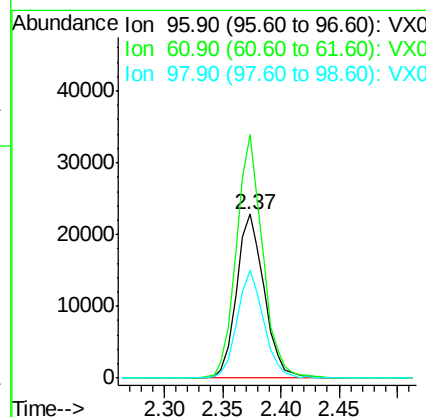
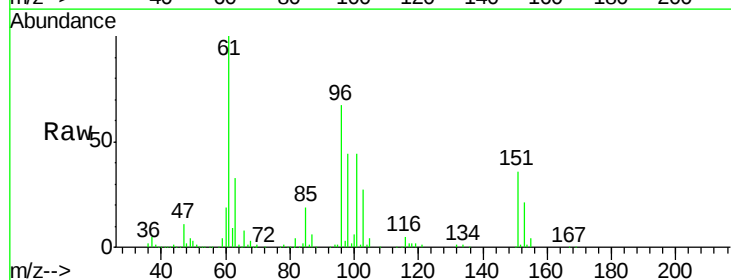
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#12
1,1-Dichloroethene
Concen: 19.741 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Tgt Ion: 96 Resp: 37970
Ion Ratio Lower Upper
96 100
61 148.4 109.2 163.8
98 65.5 51.1 76.7





#13

Acrolein

Concen: 81.488 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion: 56 Resp: 29430

Ion Ratio Lower Upper

56 100

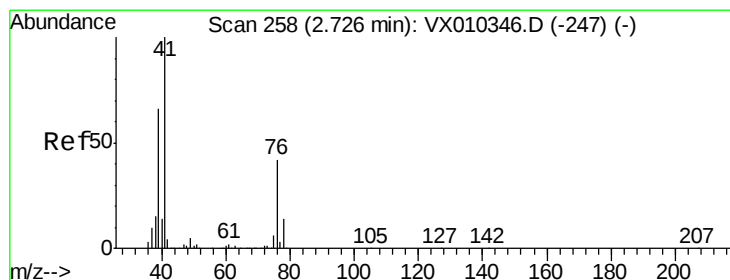
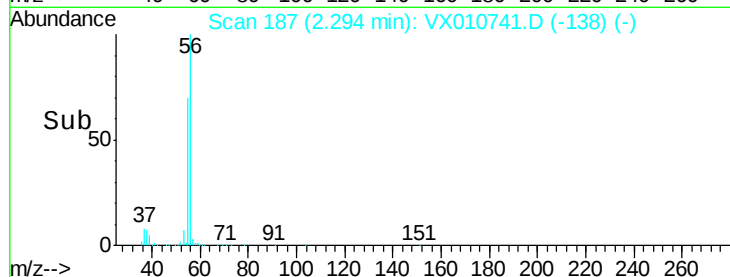
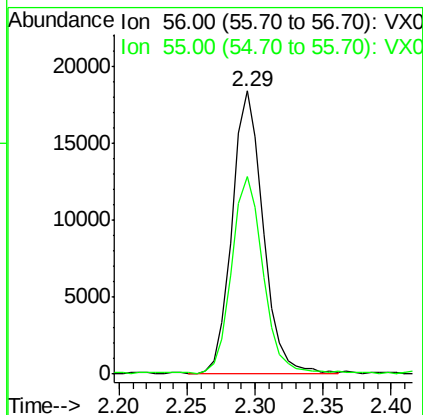
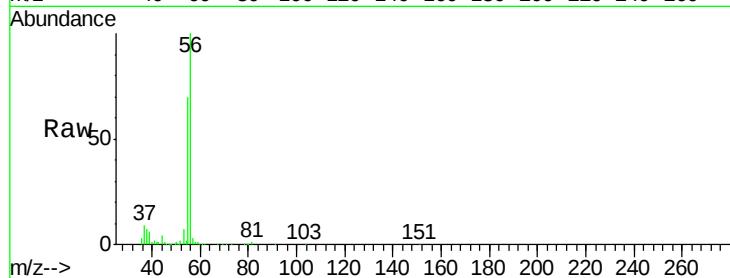
55 70.5 56.9 85.3

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#14

Allyl chloride

Concen: 19.470 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

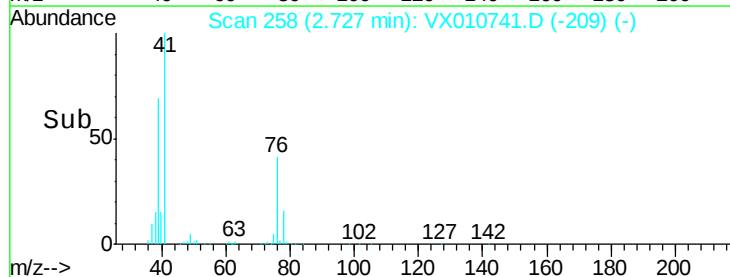
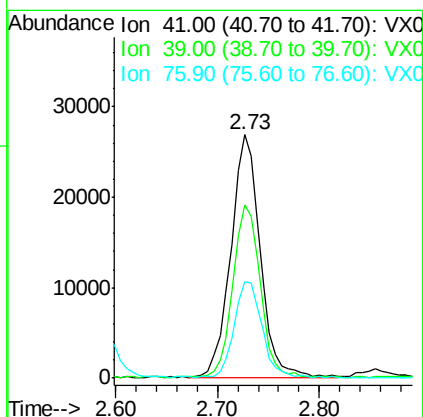
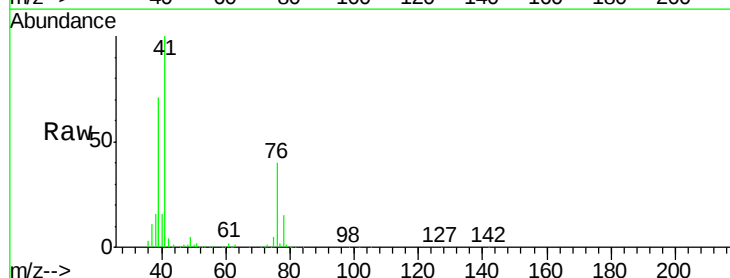
Tgt Ion: 41 Resp: 53167

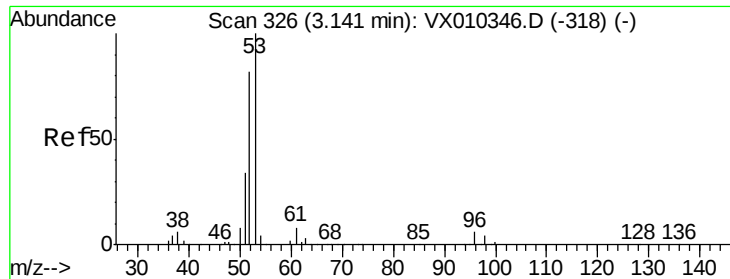
Ion Ratio Lower Upper

41 100

39 66.2 50.3 75.5

76 37.1 31.3 46.9





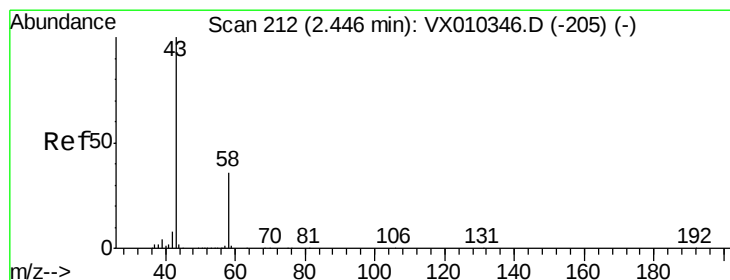
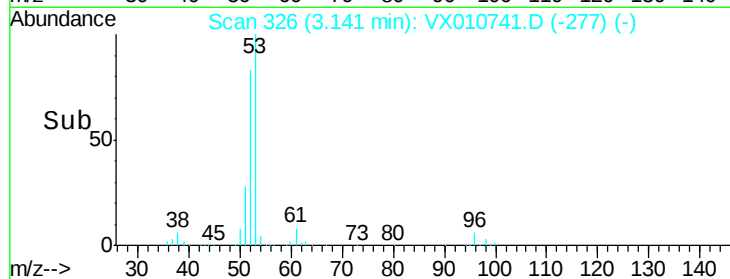
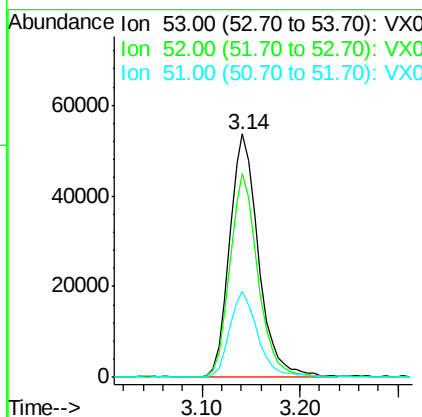
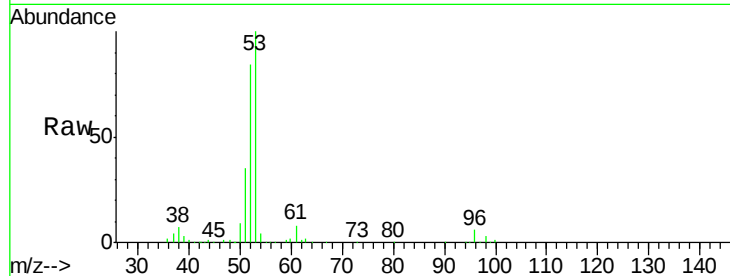
#15
 Acrylonitrile
 Concen: 102.006 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VX010741.D
 Acq: 09 Jul 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.5	98.3
51	34.4	28.2	42.4

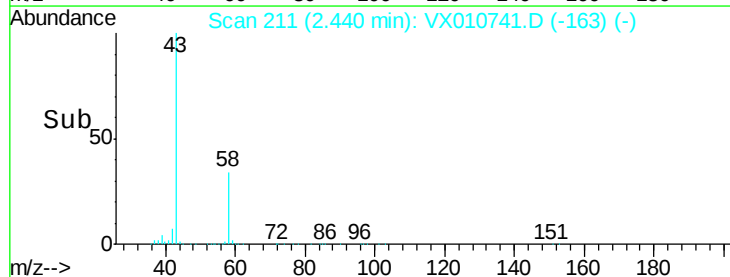
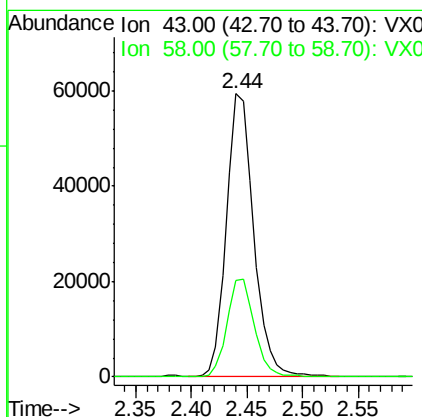
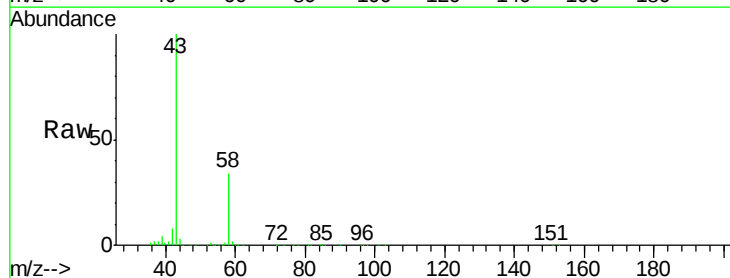
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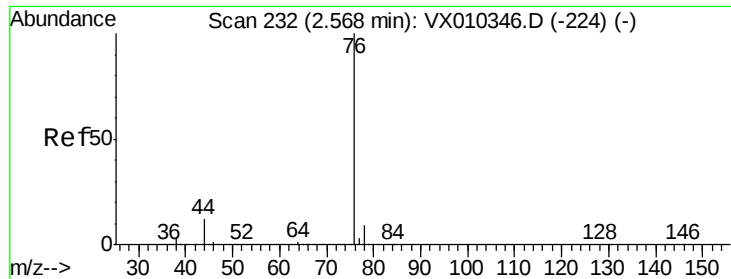
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#16
 Acetone
 Concen: 96.275 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX010741.D
 Acq: 09 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.2	28.9	43.3





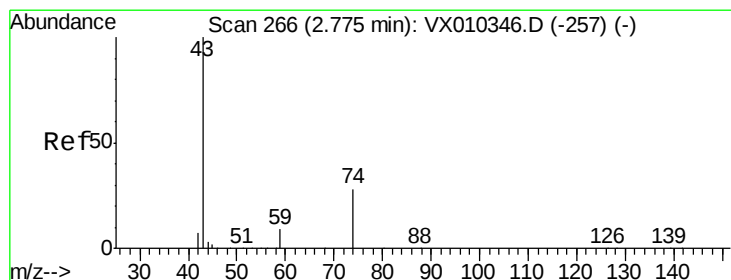
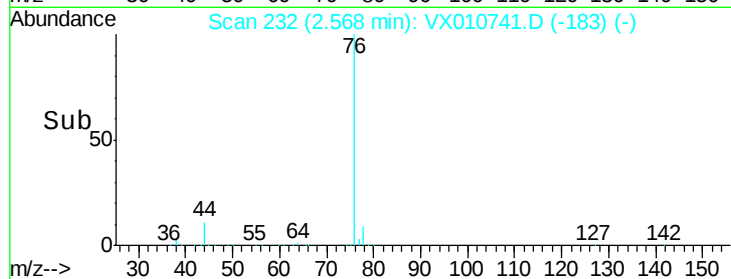
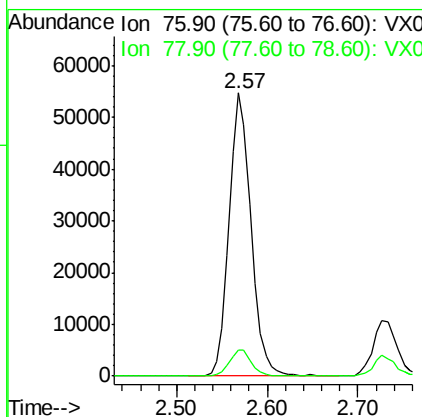
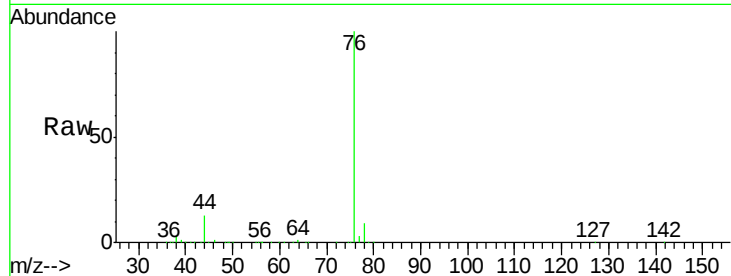
#17
Carbon Disulfide
Concen: 17.828 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

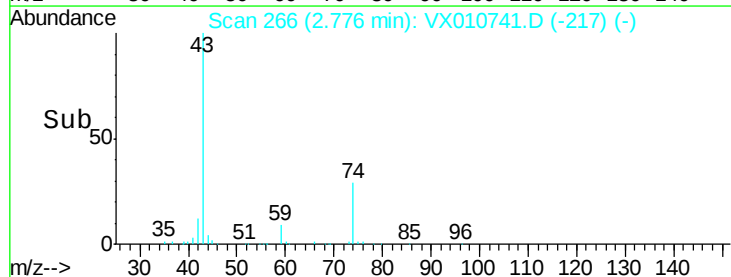
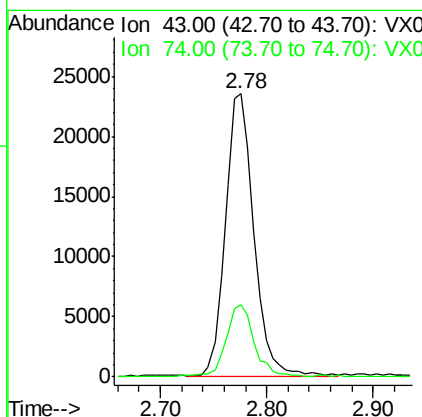
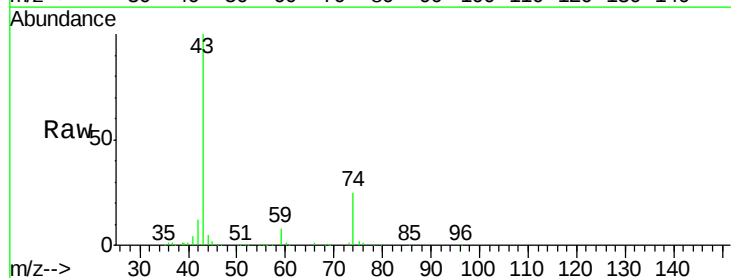
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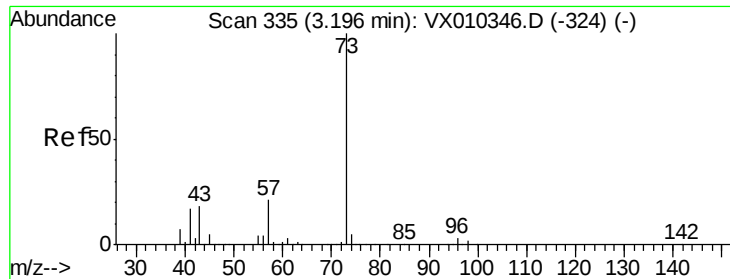
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#18
Methyl Acetate
Concen: 21.095 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.8	21.3	31.9





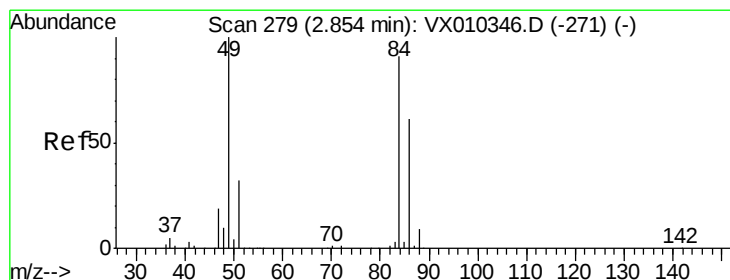
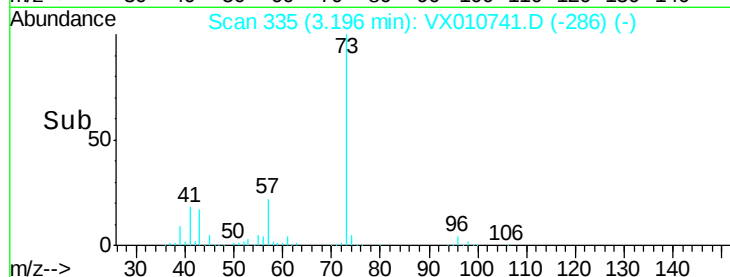
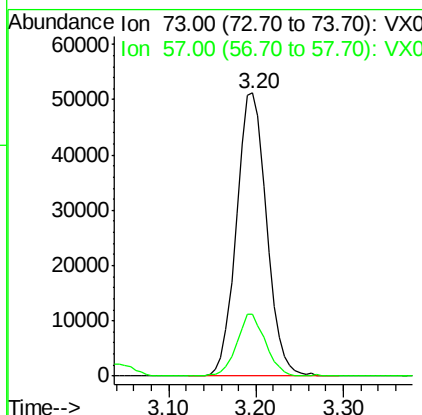
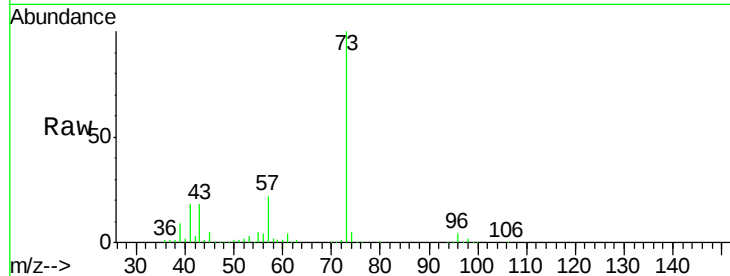
#19
Methvl tert-butvl Ether
Concen: 20.316 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion: 73 Resp: 122931
Ion Ratio Lower Upper
73 100
57 21.5 16.4 24.6

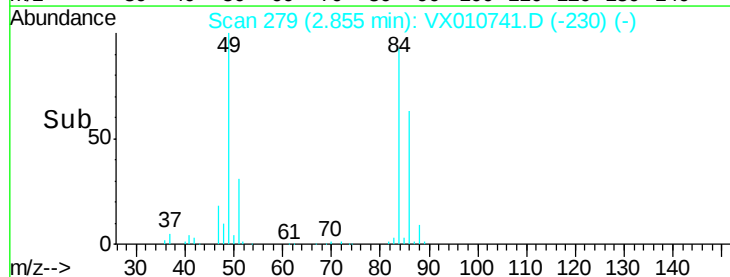
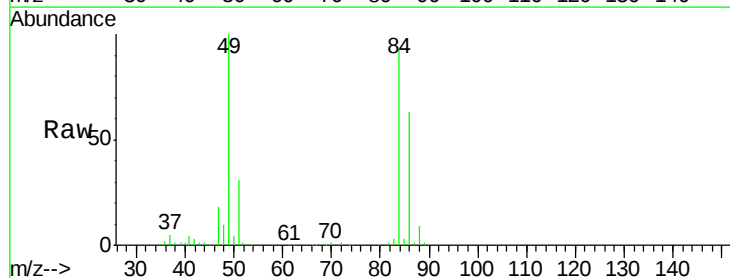
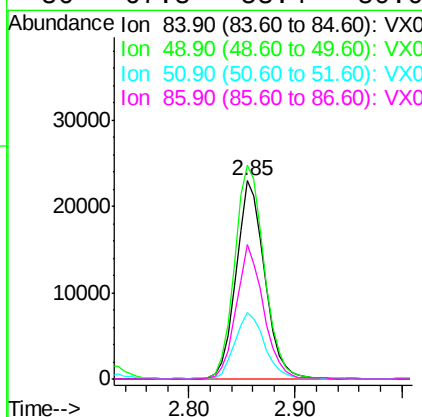
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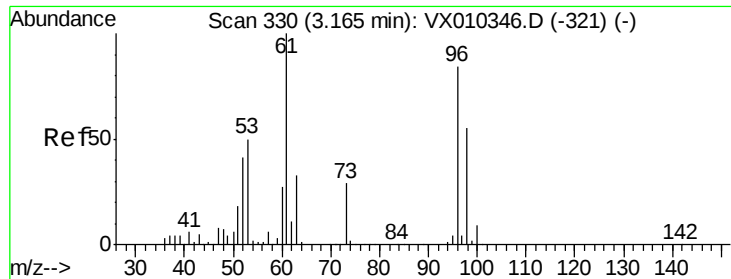
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#20
Methylene Chloride
Concen: 20.184 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Tgt Ion: 84 Resp: 43313
Ion Ratio Lower Upper
84 100
49 107.8 87.5 131.3
51 33.5 27.7 41.5
86 67.8 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 19.863 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

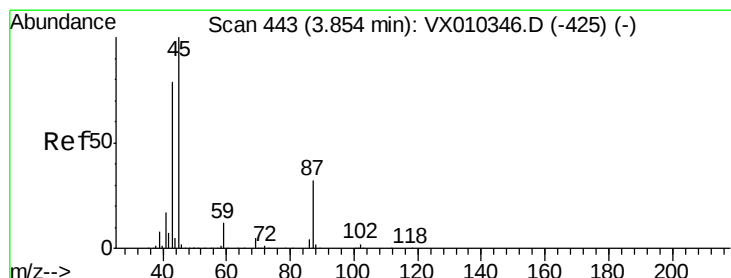
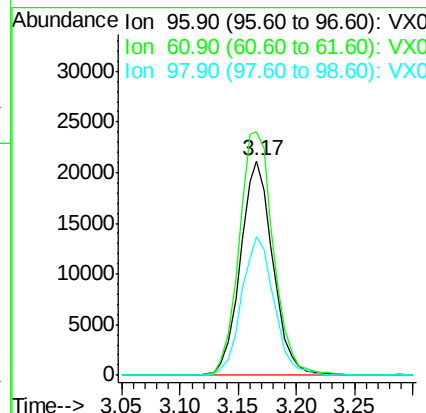
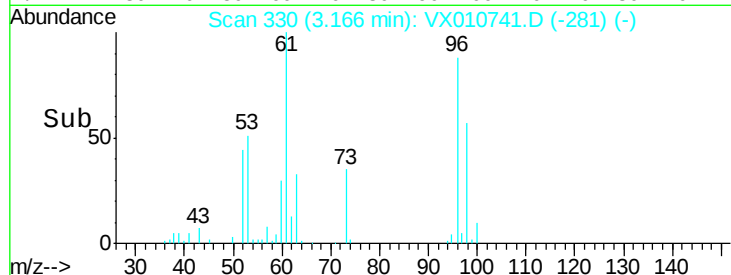
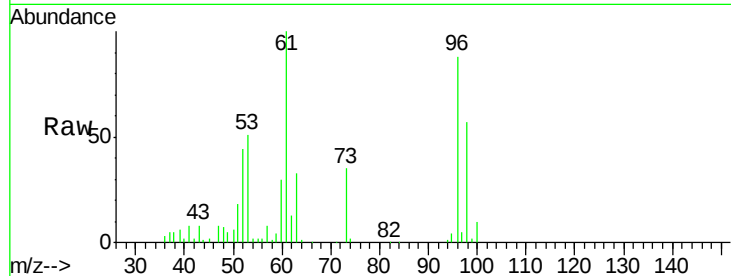
ClientSampleId :

VX0709WBS01

Tot Ion:	96	Resp:	41090
Ion	Ratio	Lower	Upper
96	100		
61	113.3	95.6	143.4
98	64.5	52.5	78.7

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#22

Diisopropyl ether

Concen: 20.282 ug/l

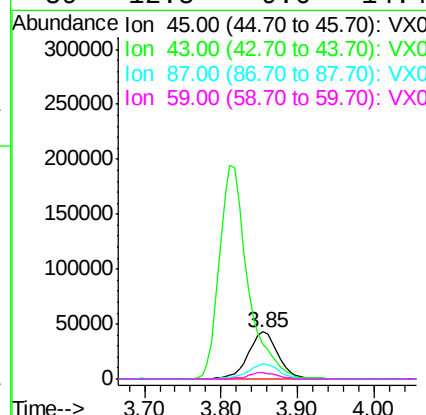
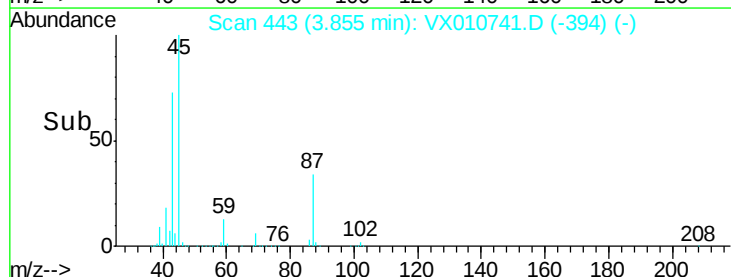
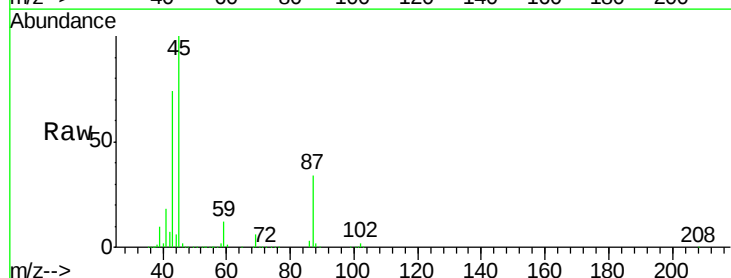
RT: 3.85 min Scan# 443

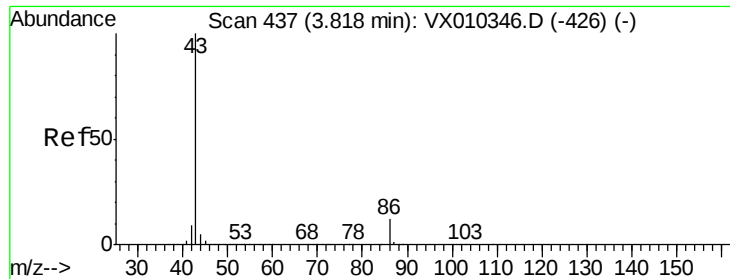
Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Tgt Ion:	45	Resp:	115796
Ion	Ratio	Lower	Upper
45	100		
43	73.6	63.3	94.9
87	33.6	25.8	38.8
59	12.5	9.6	14.4





#23

Vinyl Acetate

Concen: 102.094 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion: 43 Resp: 503556

Ion Ratio Lower Upper

43 100

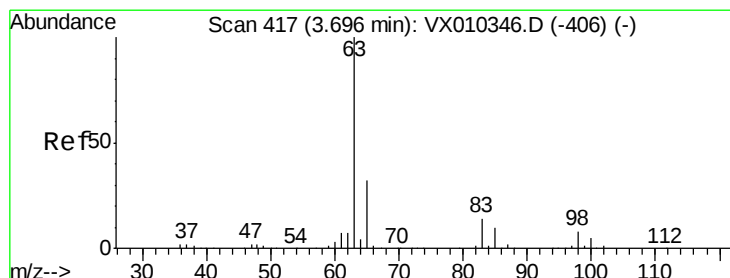
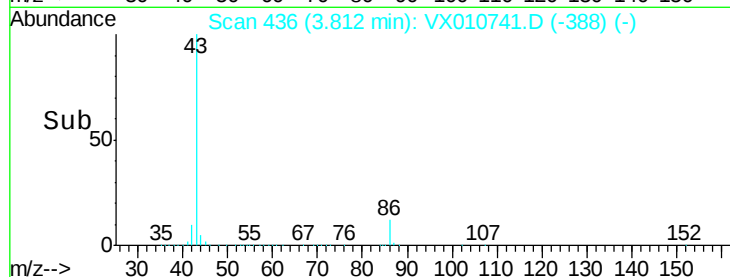
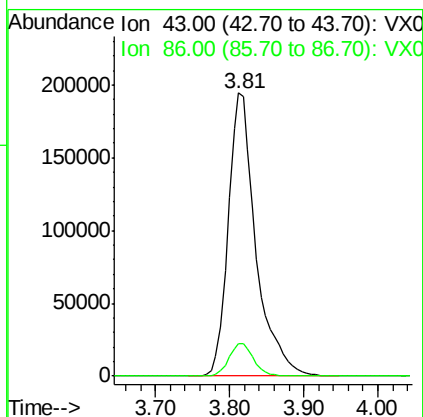
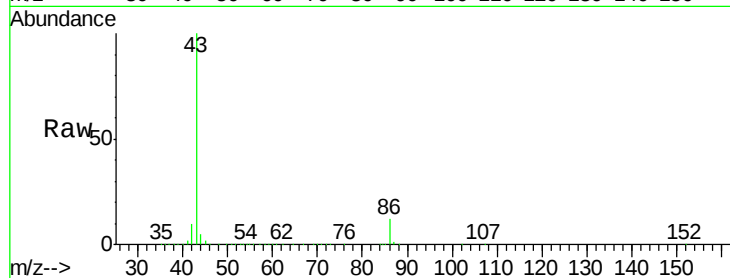
86 11.6 9.9 14.9

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#24

1,1-Dichloroethane

Concen: 20.366 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

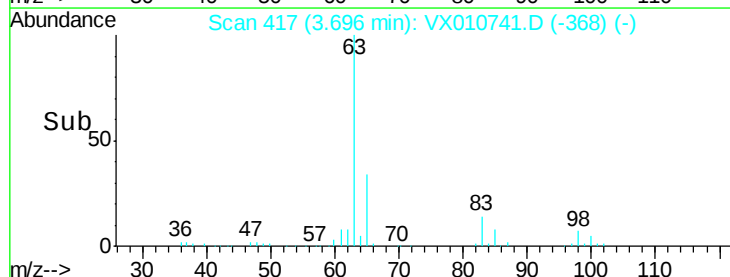
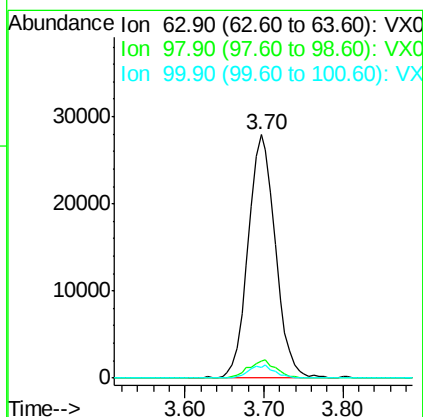
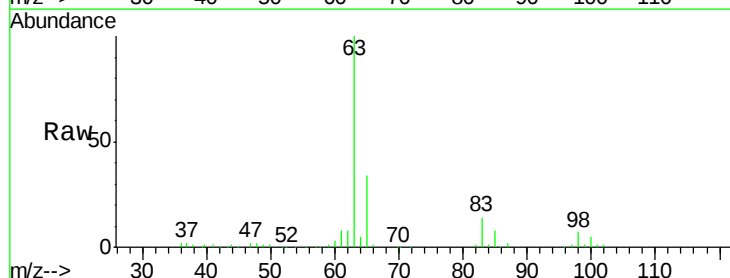
Tgt Ion: 63 Resp: 67211

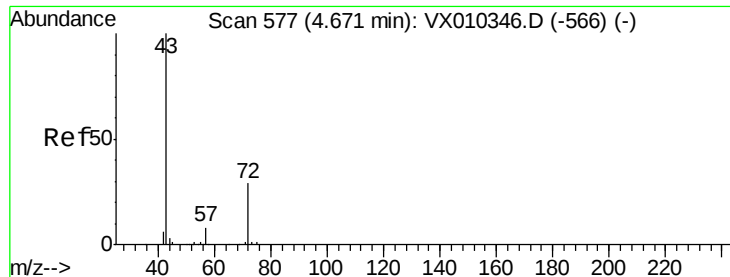
Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.7

100 4.5 2.4 7.1





#25

2-Butanone

Concen: 98.645 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion: 43 Resp: 150884

Ion Ratio Lower Upper

43 100

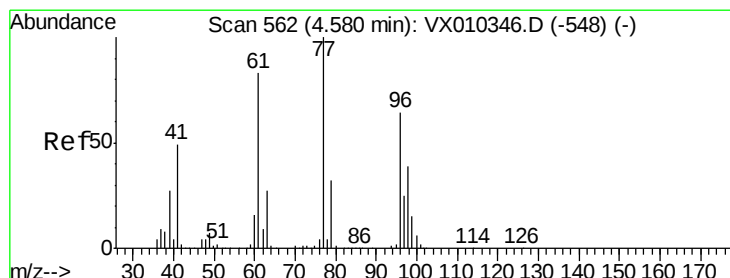
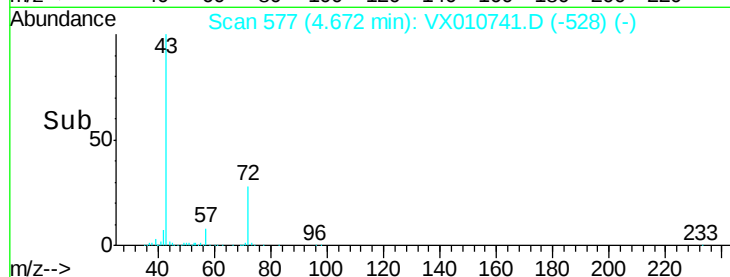
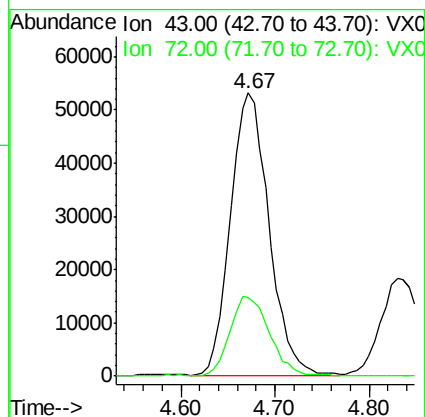
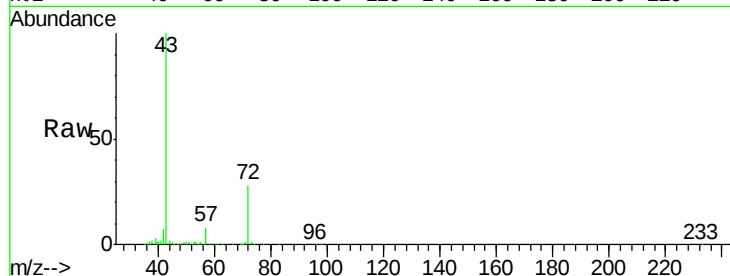
72 27.7 23.3 34.9

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#26

2,2-Dichloropropane

Concen: 18.375 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010741.D

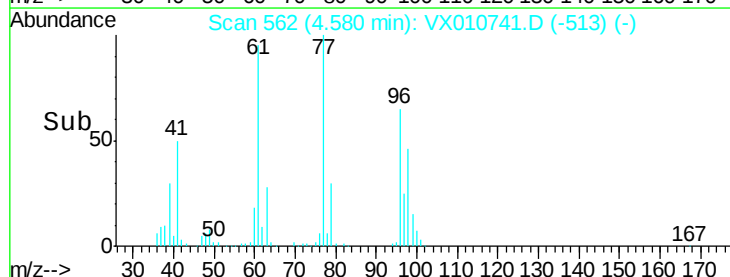
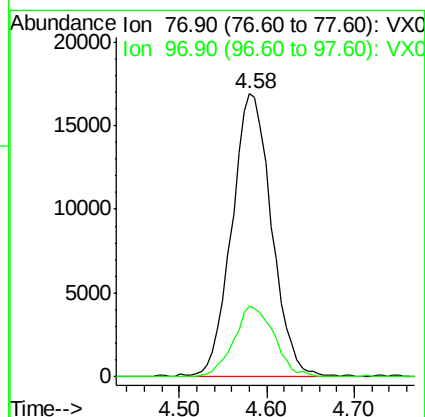
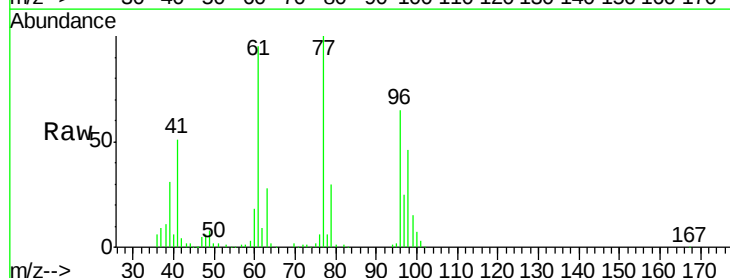
Acq: 09 Jul 2019 11:30

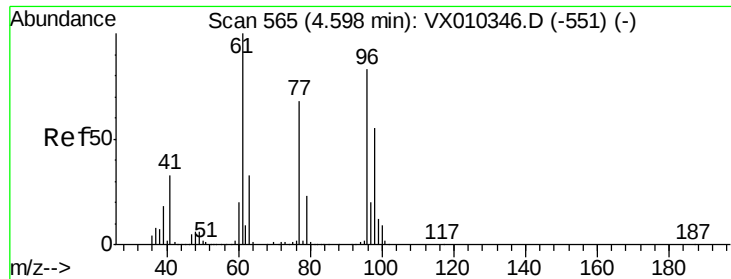
Tgt Ion: 77 Resp: 52680

Ion Ratio Lower Upper

77 100

97 25.9 13.1 39.3





#27

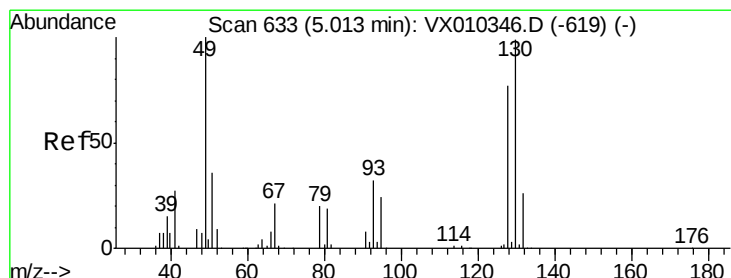
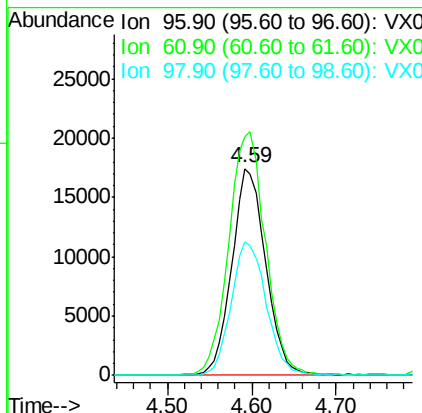
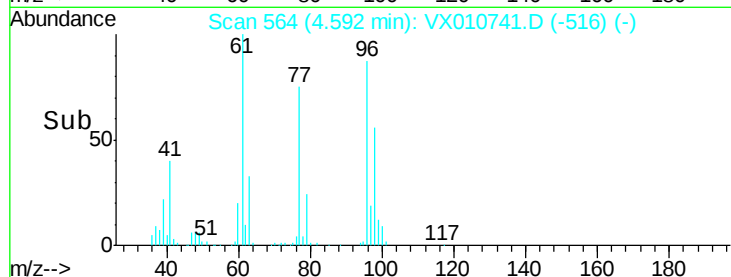
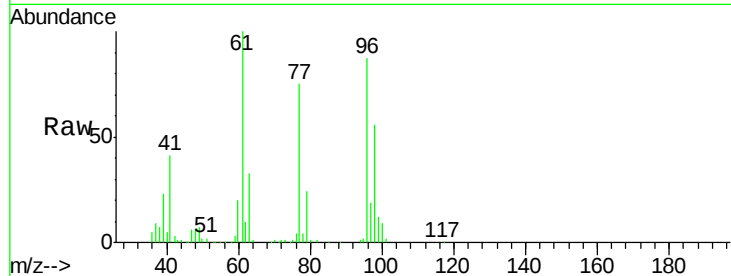
cis-1,2-Dichloroethene
 Concen: 19.917 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX010741.D
 Acq: 09 Jul 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.0	0.0	251.8
98	66.5	0.0	129.4

Manual Integrations
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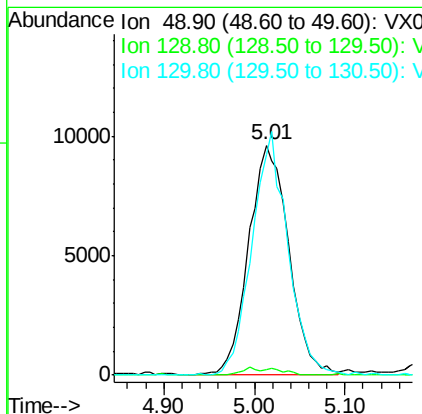
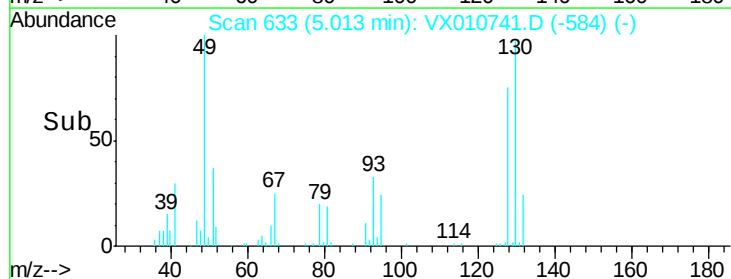
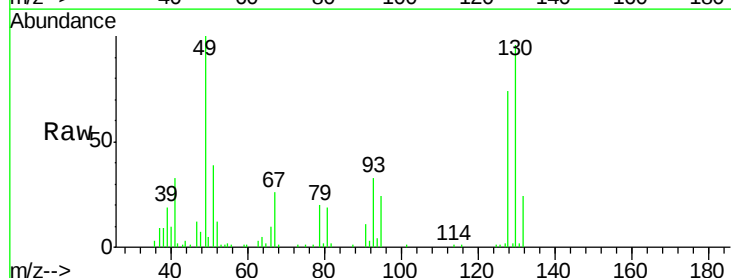
MMDadoda
 7/10/2019 10:19:34 AM

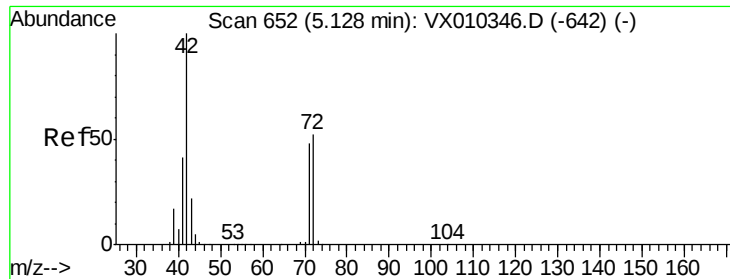


#28

Bromochloromethane
 Concen: 18.645 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX010741.D
 Acq: 09 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	94.5	81.4	122.0





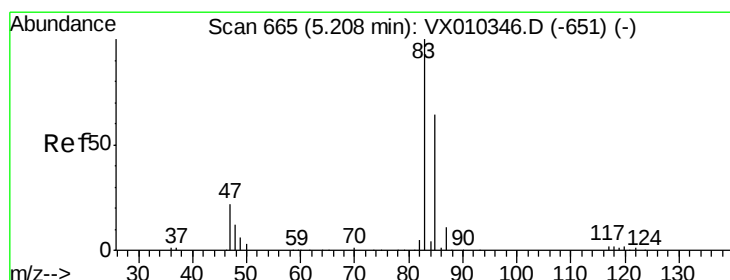
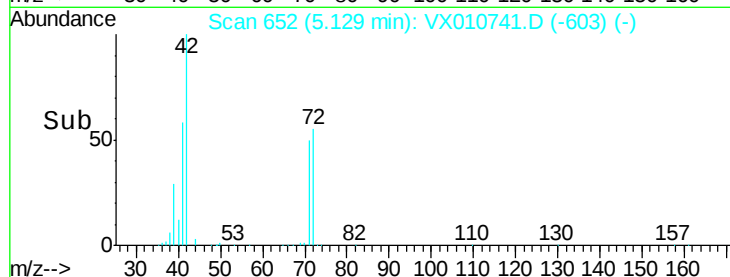
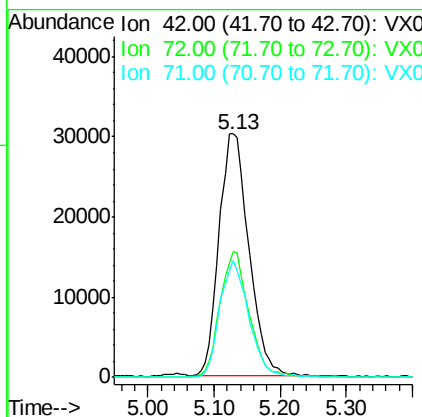
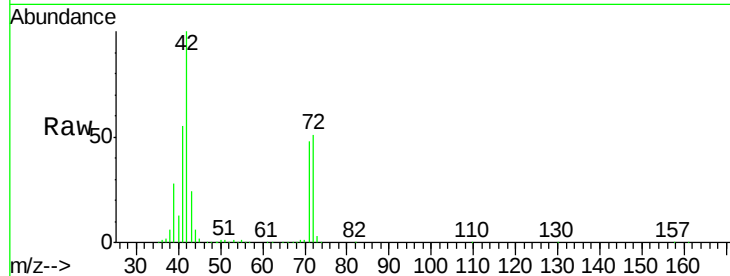
#29
Tetrahydrofuran
Concen: 100.172 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.4	40.6	60.8
71	46.3	37.8	56.8

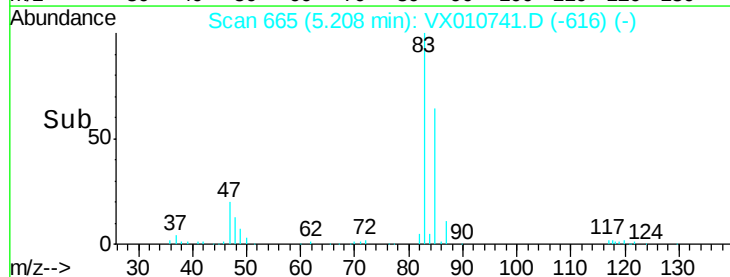
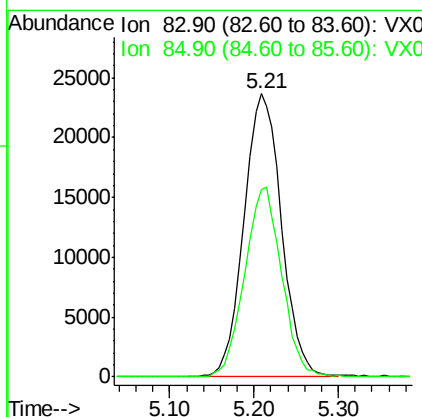
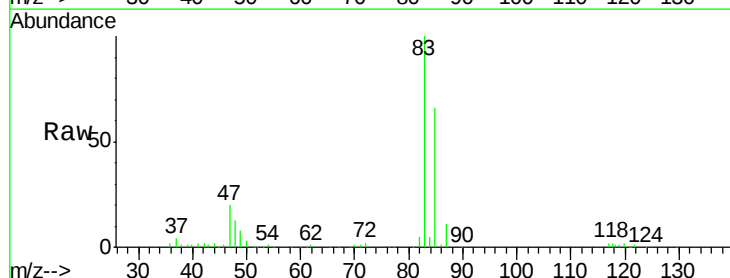
Manual Integrations
APPROVED

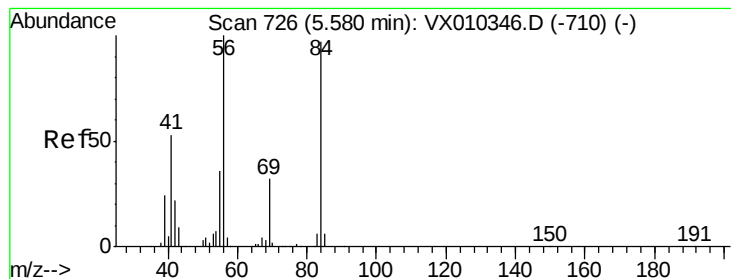
MMDadoda
7/10/2019 10:19:34 AM



#30
Chloroform
Concen: 20.148 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.9	76.3





#31

Cyclohexane

Concen: 20.013 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

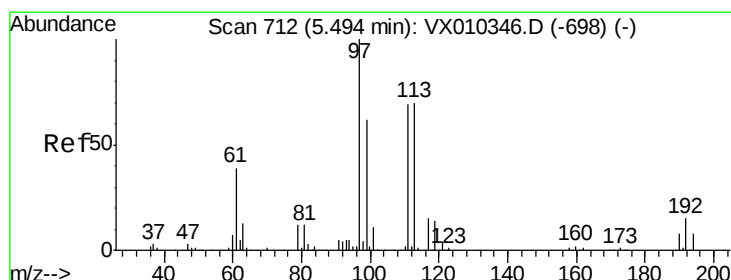
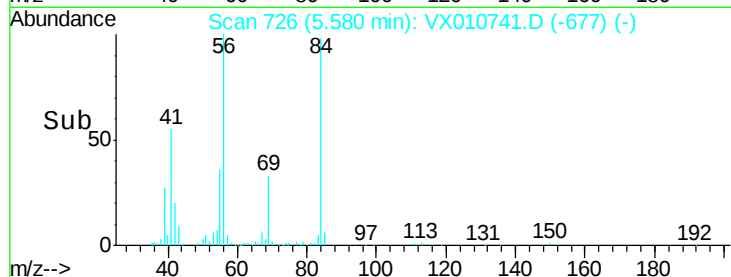
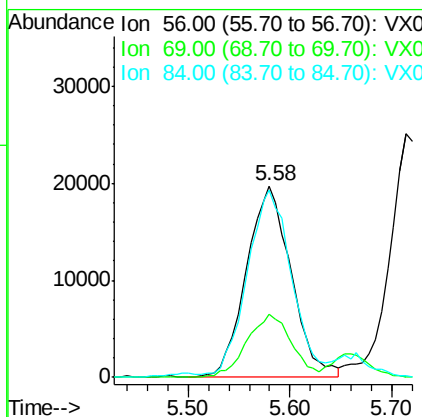
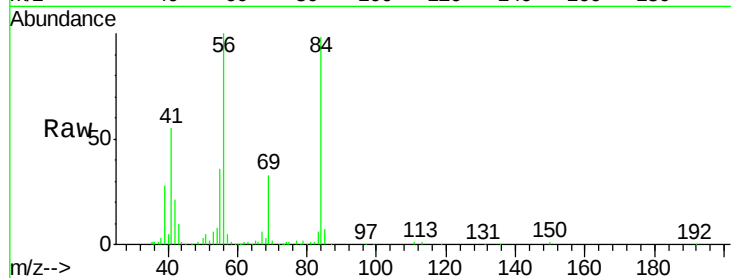
ClientSampleId :

VX0709WBS01

Tot Ion:	56	Resp:	60145
Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.9	38.9
84	95.5	78.0	117.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.780 ug/l

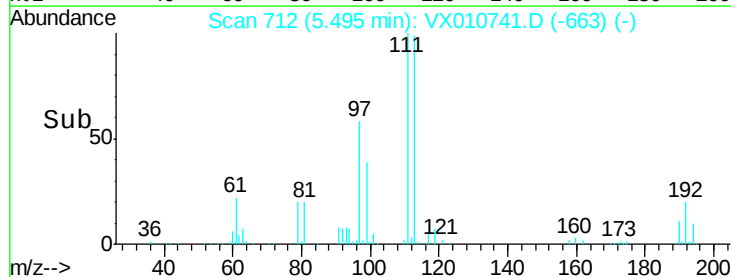
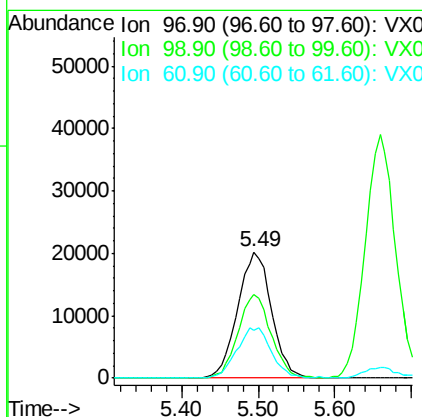
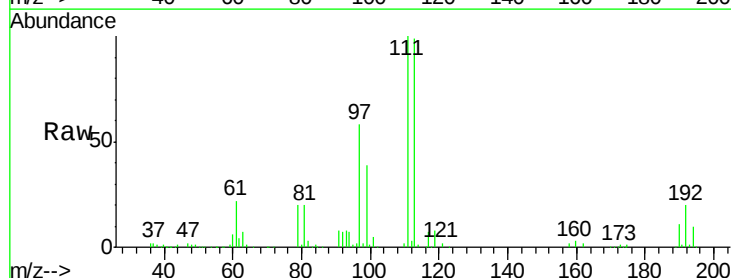
RT: 5.49 min Scan# 712

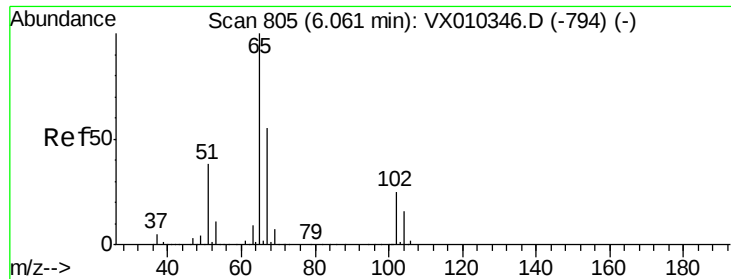
Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Tgt Ion:	97	Resp:	62019
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.8
61	40.6	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 50.152 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion: 65 Resp: 104347

Ion Ratio Lower Upper

65 100

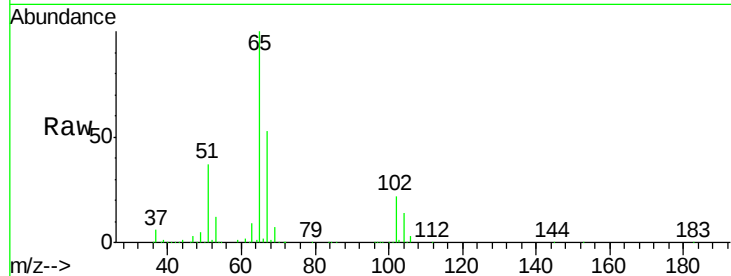
67 53.9 0.0 110.2

Manual Integrations

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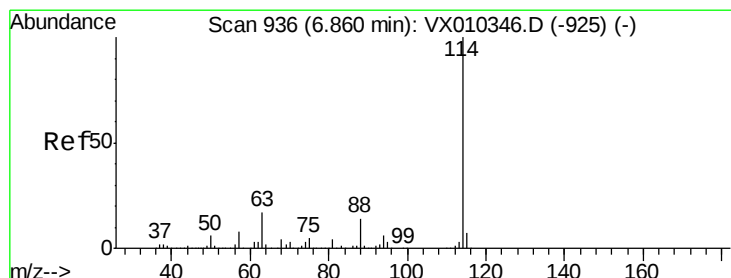
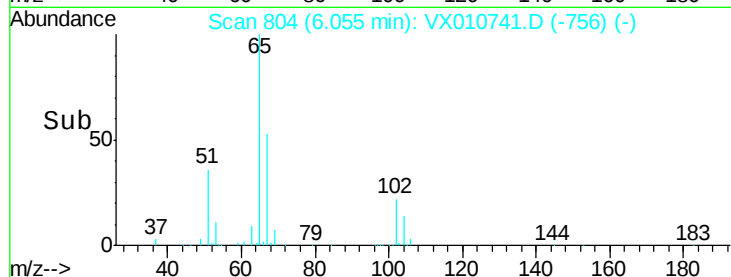
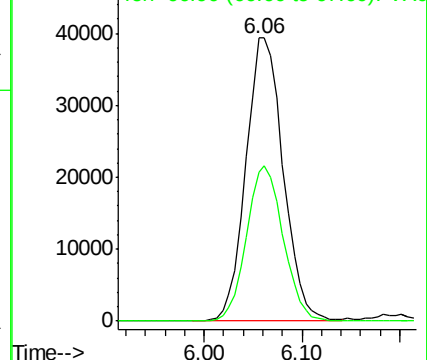
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

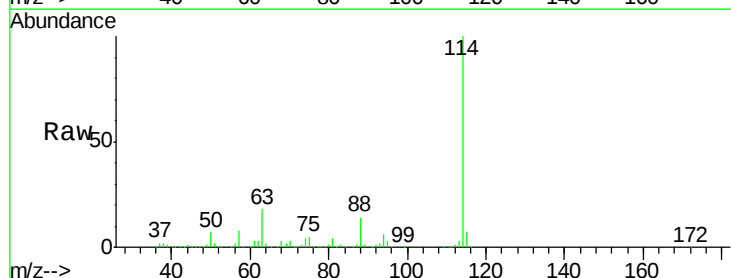
Tgt Ion: 114 Resp: 331827

Ion Ratio Lower Upper

114 100

63 18.2 0.0 33.8

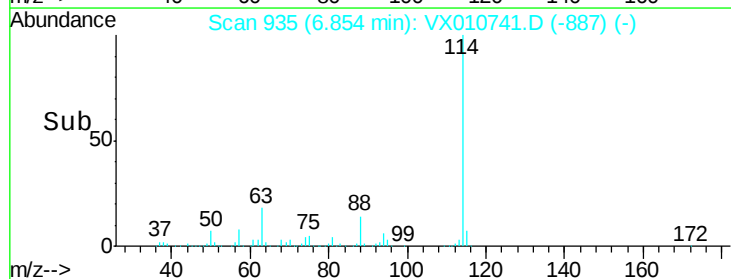
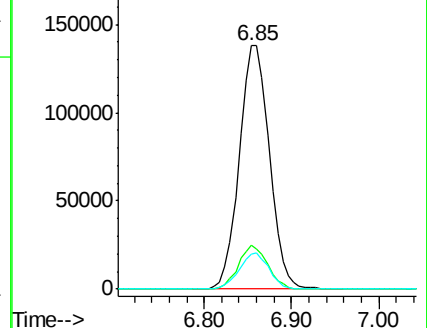
88 14.2 0.0 27.6

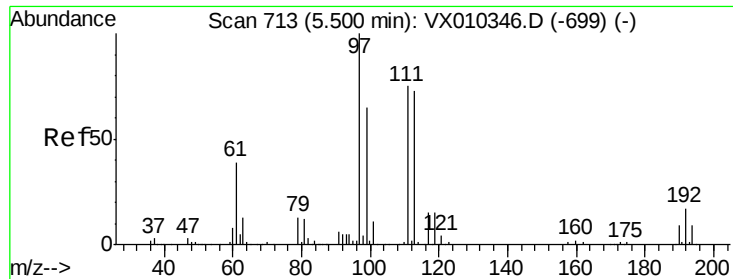


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





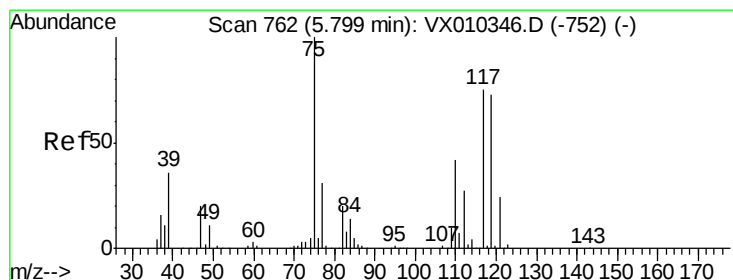
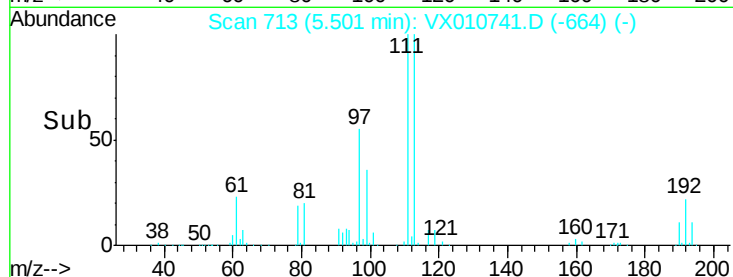
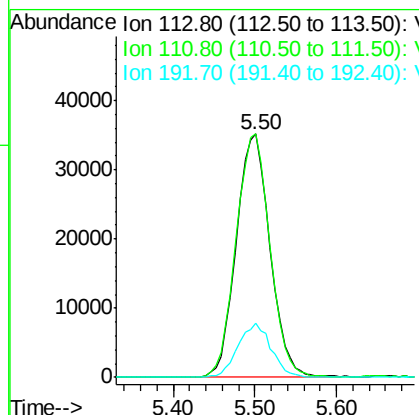
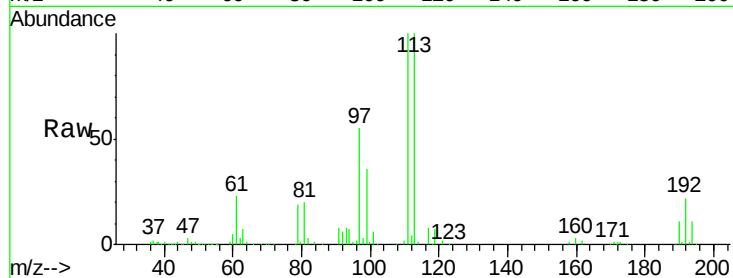
#35
Dibromofluoromethane
Concen: 49.627 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100755		
111	100.9		81.2	121.8
192	21.8		18.6	27.8

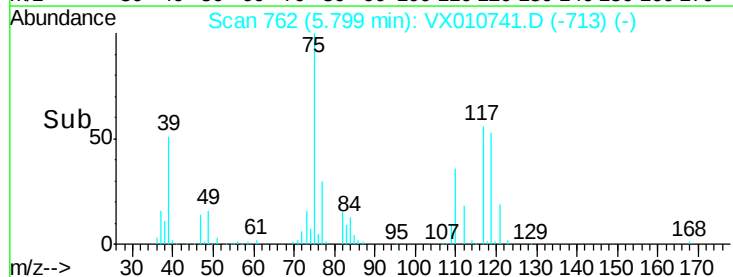
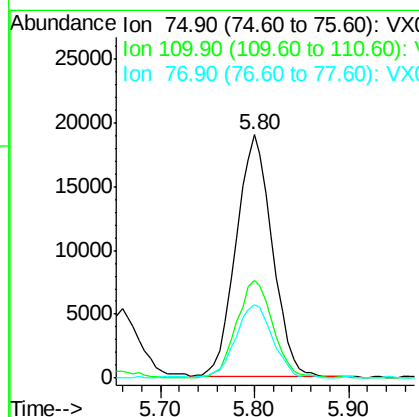
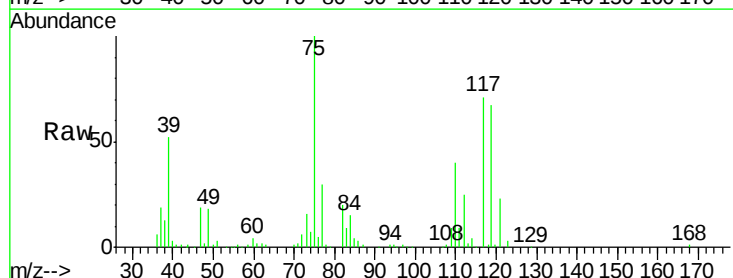
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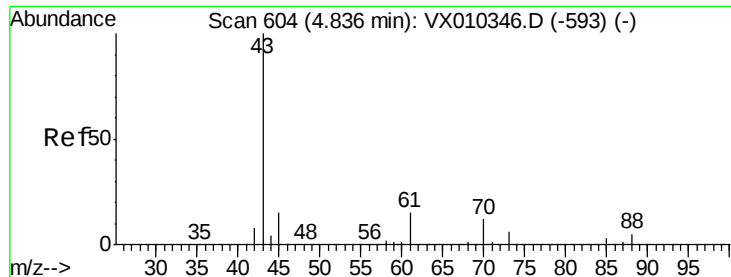
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#36
1,1-Dichloropropene
Concen: 19.302 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	50896		
110	40.8		20.8	62.2
77	31.6		25.4	38.0





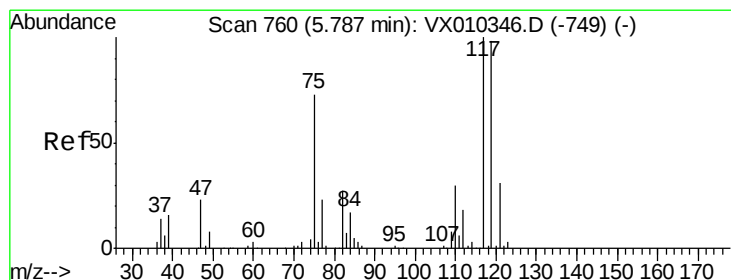
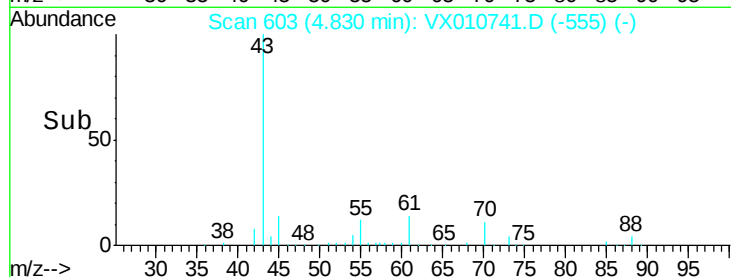
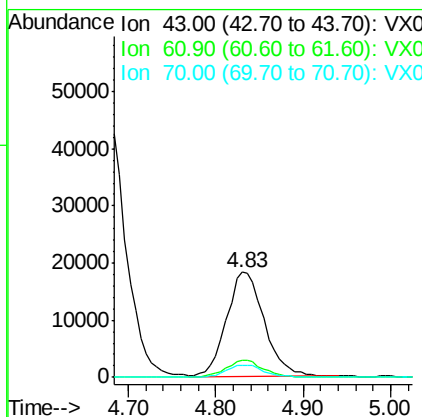
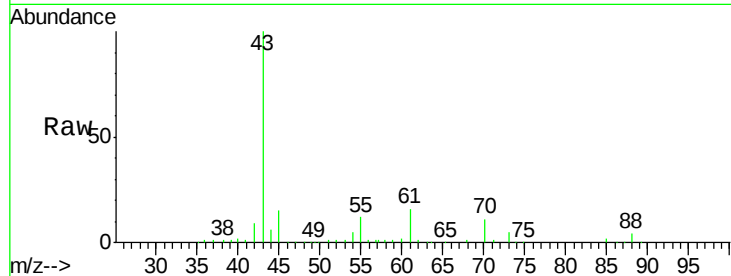
#37
Ethyl Acetate
Concen: 20.191 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	12.4	18.6
70	11.9	9.8	14.8

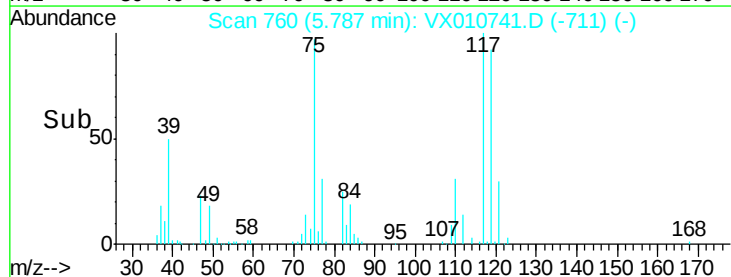
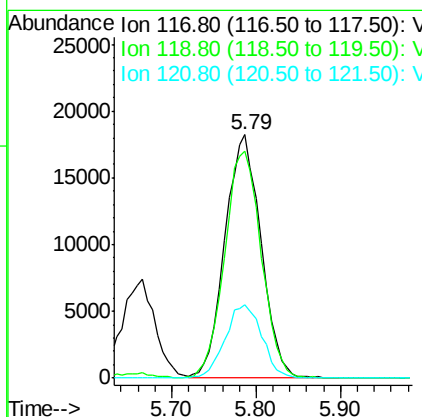
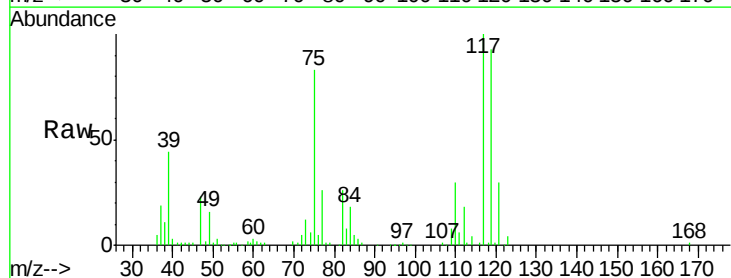
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#38
Carbon Tetrachloride
Concen: 18.593 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	78.2	117.4
121	30.2	24.7	37.1





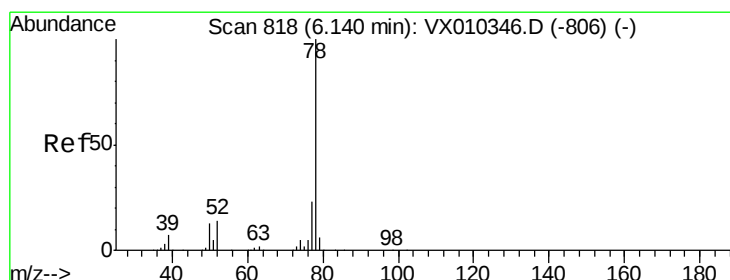
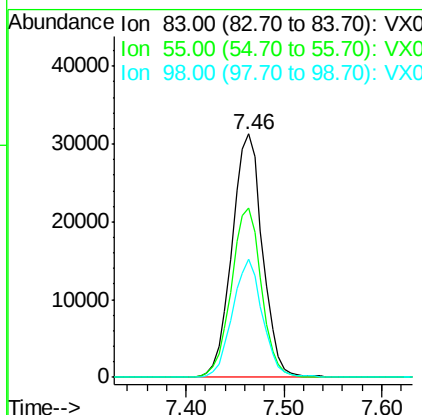
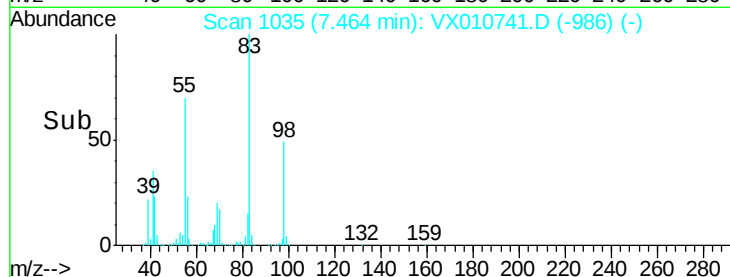
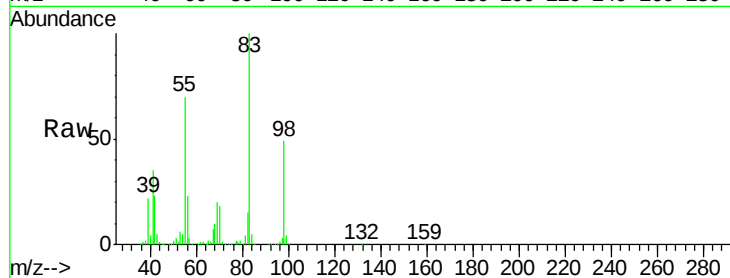
#39
Methvlcvclohexane
Concen: 19.557 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.6	53.0	79.6
98	48.5	37.8	56.8

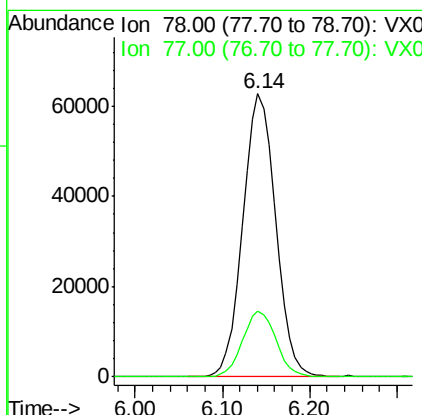
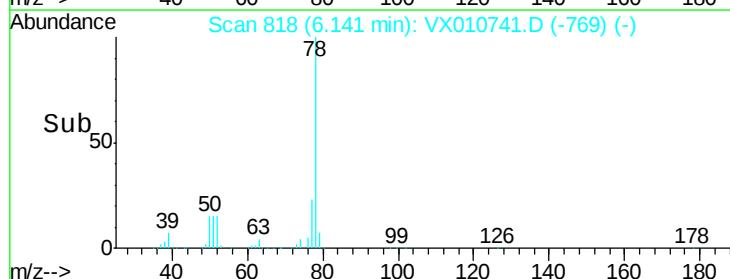
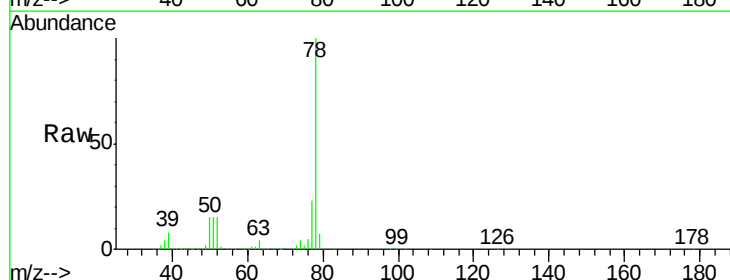
Manual Integrations
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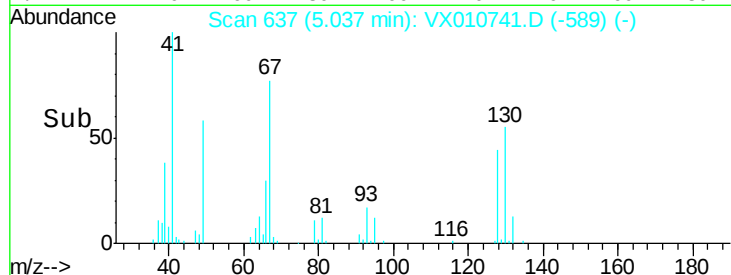
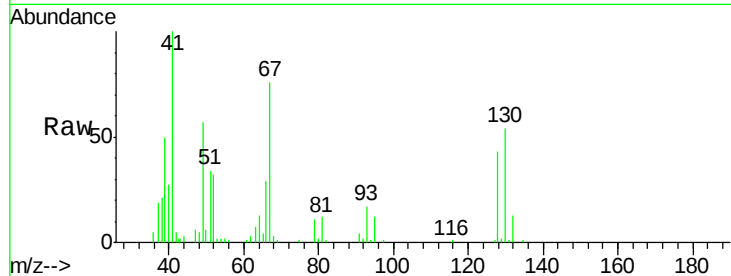
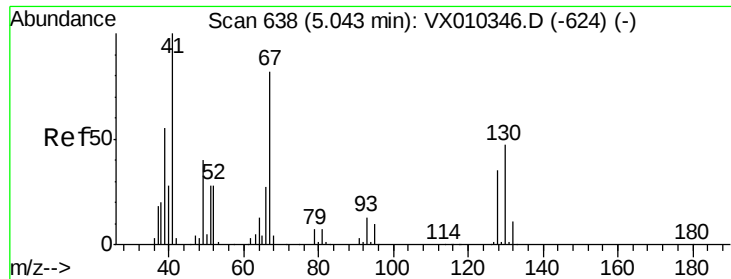
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#40
Benzene
Concen: 19.937 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





#41

Methacrylonitrile

Concen: 20.333 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Tot Ion	Ion	Ratio	Lower	Upper
30264	41	100		
	39	53.0	43.8	65.8
	67	80.5	66.6	100.0
	52	32.0	24.5	36.7

Instrument :

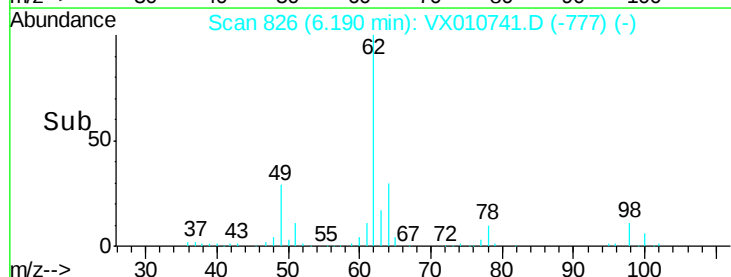
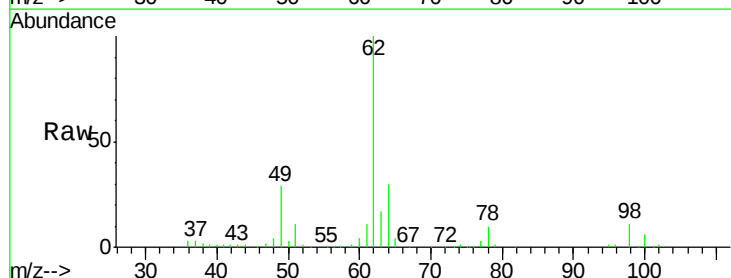
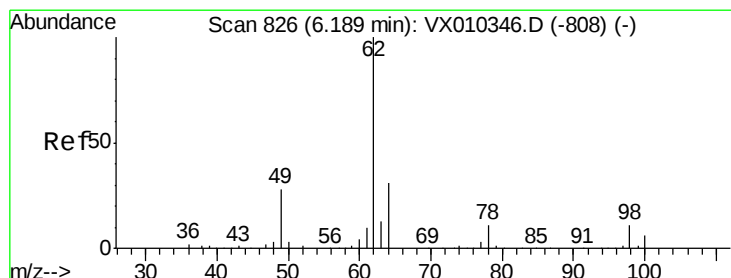
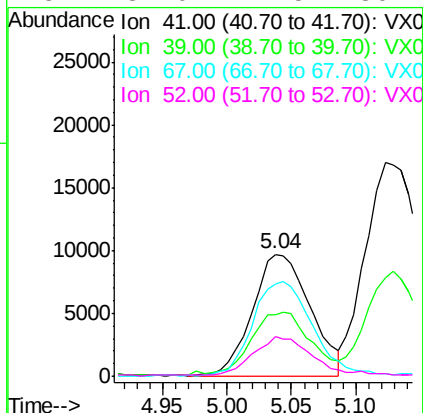
MSVOA_X

ClientSampleId :

VX0709WBS01

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.516 ug/l

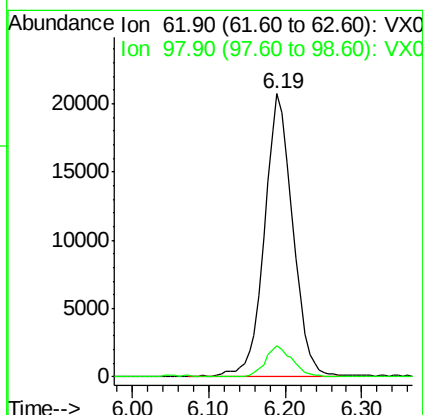
RT: 6.19 min Scan# 826

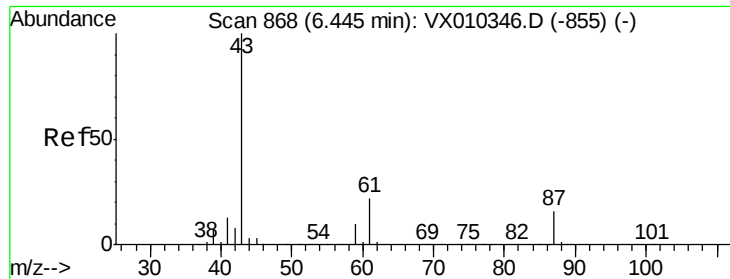
Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Tgt Ion	Ion	Ratio	Lower	Upper
53805	62	100		
	98	10.6	0.0	22.2





#43

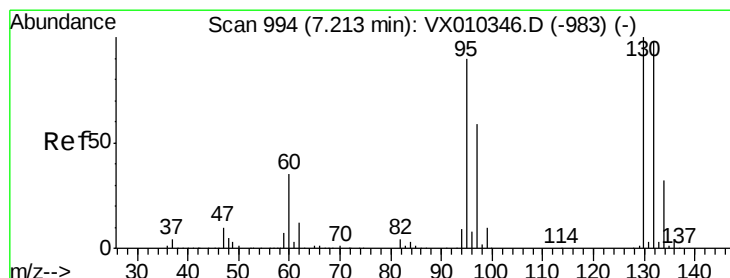
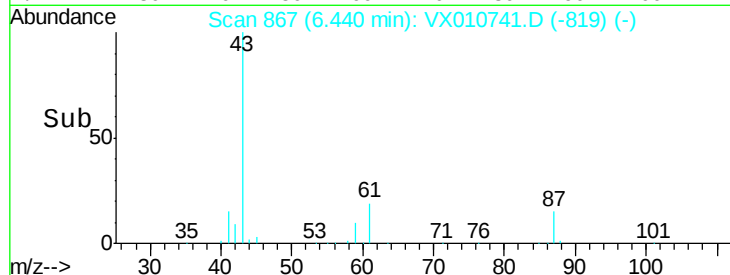
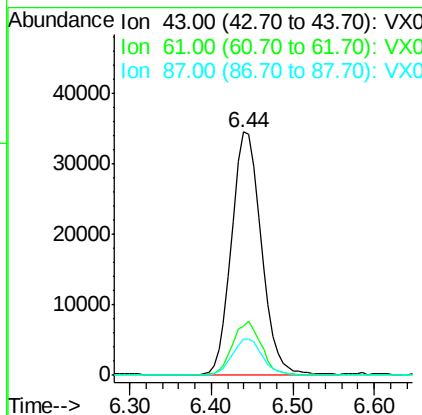
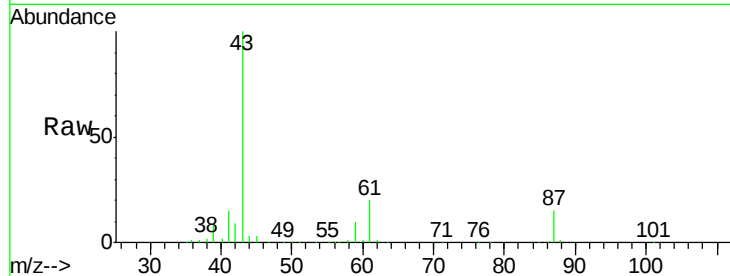
Isopropyl Acetate
 Concen: 19.356 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX010741.D
 Acq: 09 Jul 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion	43	61	87
Resp	86873		
Ratio	100	21.7	15.4
Lower		17.8	13.0
Upper		26.6	19.4

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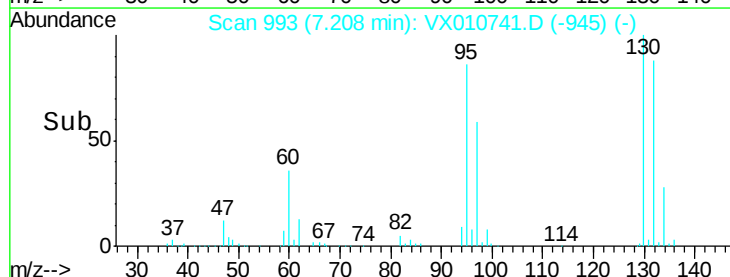
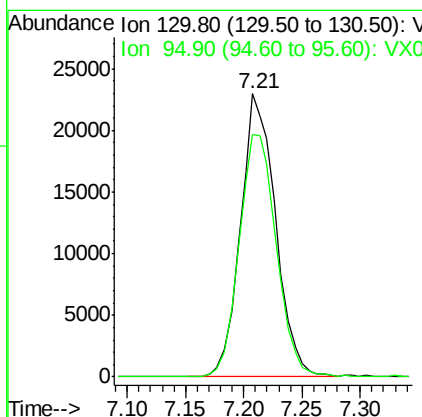
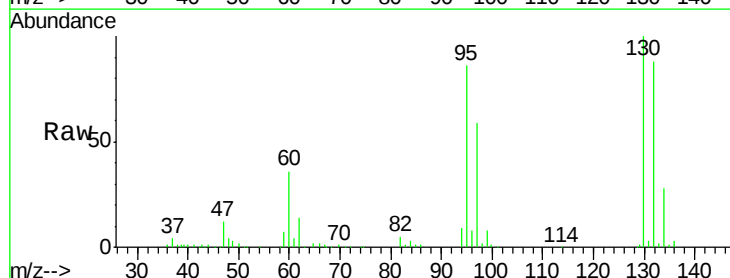
MMDadoda
 7/10/2019 10:19:34 AM

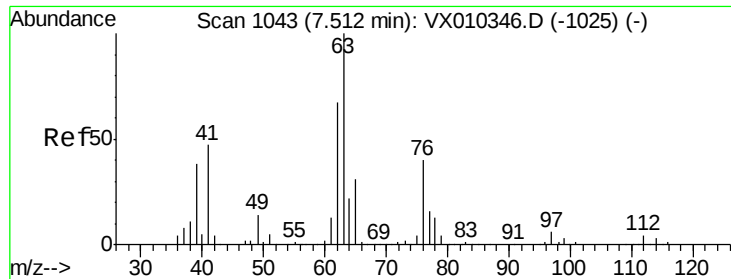


#44

Trichloroethene
 Concen: 19.527 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX010741.D
 Acq: 09 Jul 2019 11:30

Tgt Ion	130	95
Resp	48001	
Ratio	100	85.7
Lower		0.0
Upper		180.8





#45

1,2-Dichloropropane

Concen: 20.026 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion: 63 Resp: 41546

Ion Ratio Lower Upper

63 100

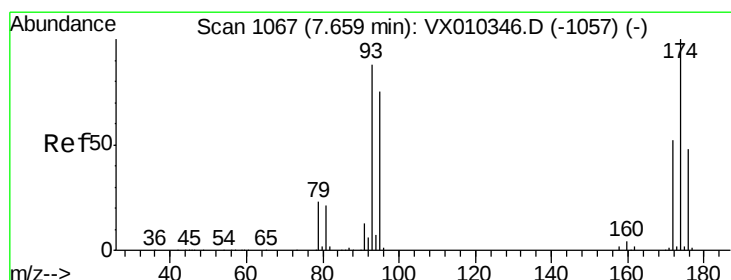
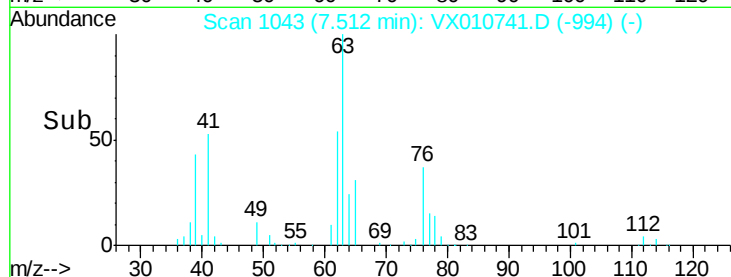
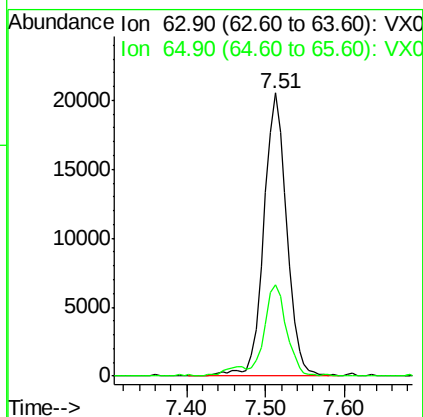
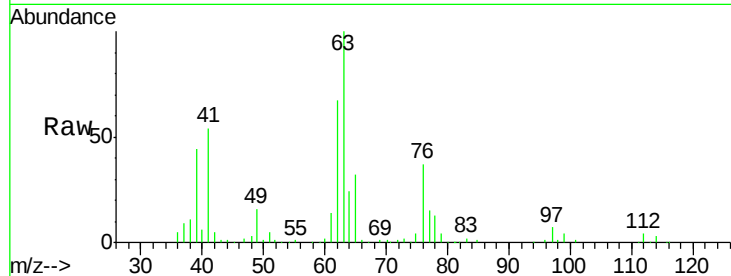
65 32.4 24.8 37.2

Manual Integrations

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7/10/2019 10:19:34 AM



#46

Dibromomethane

Concen: 20.242 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

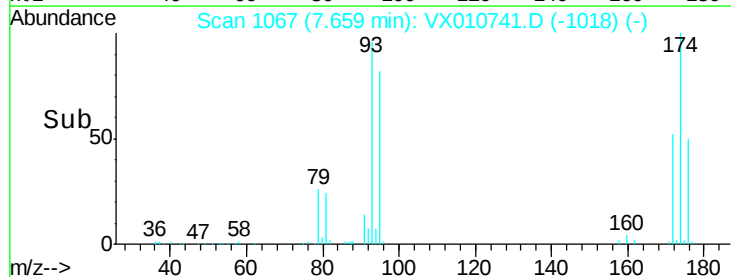
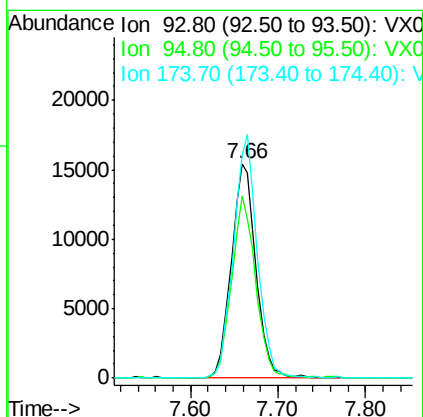
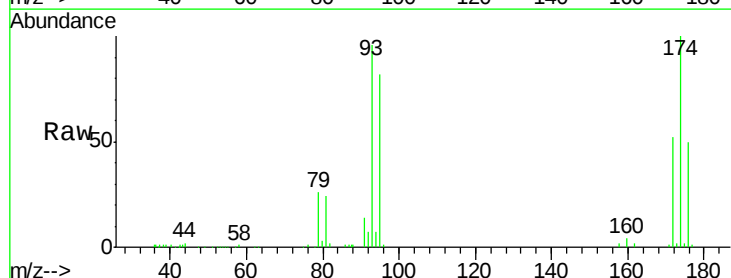
Tgt Ion: 93 Resp: 30129

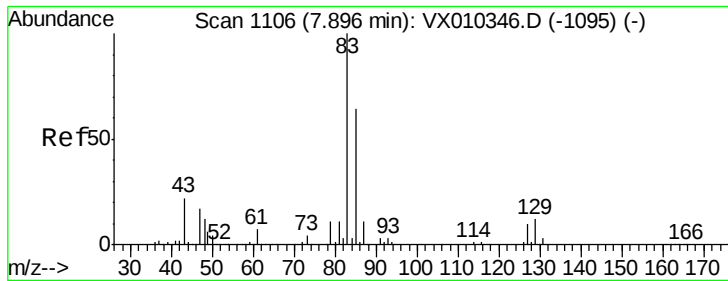
Ion Ratio Lower Upper

93 100

95 83.1 67.5 101.3

174 110.4 95.8 143.6





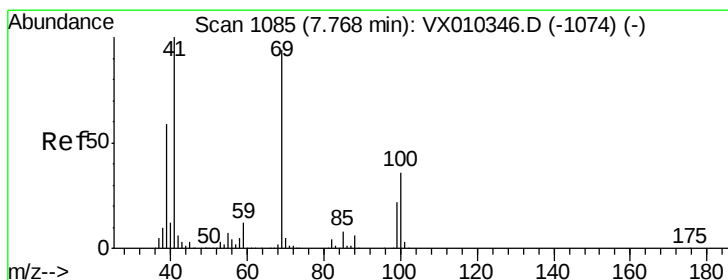
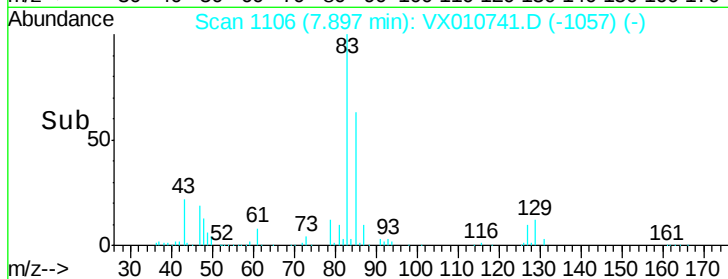
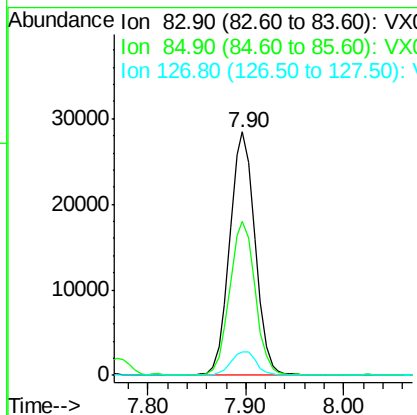
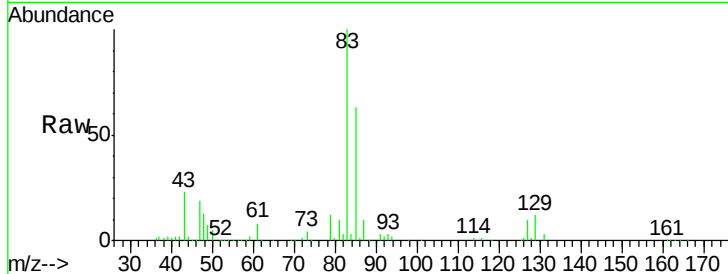
#47
Bromodichloromethane
Concen: 18.743 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	83	Resp	51127
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	51.5	77.3
127	9.8	7.8	11.8

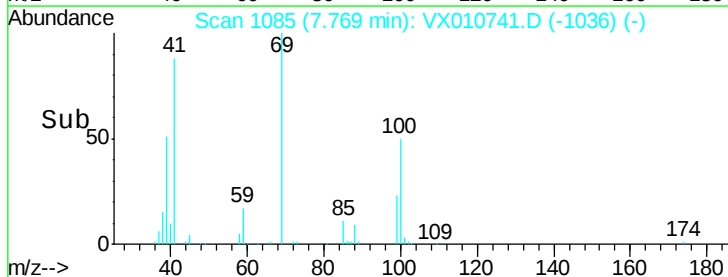
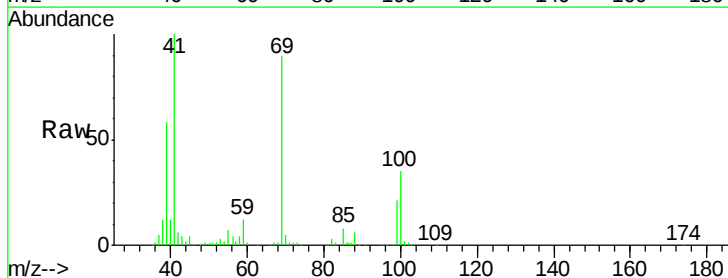
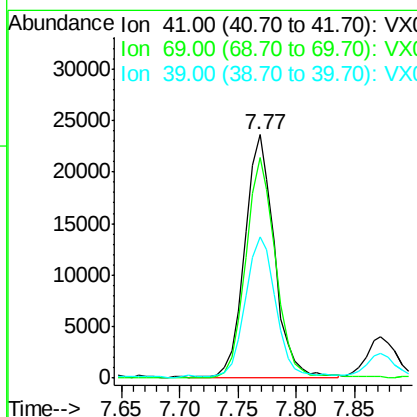
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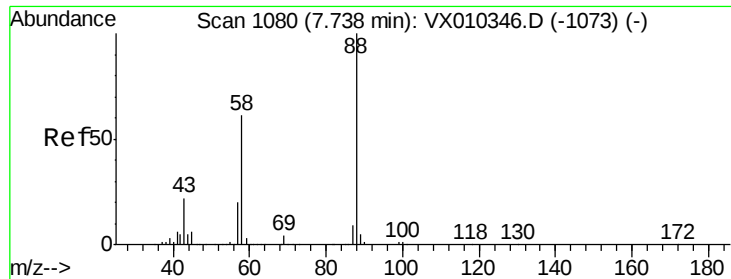
MMDadoda
7/10/2019 10:19:34 AM



#48
Methyl methacrylate
Concen: 19.912 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Tgt Ion	41	Resp	41539
Ion Ratio	100	Lower	Upper
41	100		
69	92.9	76.1	114.1
39	59.6	47.6	71.4





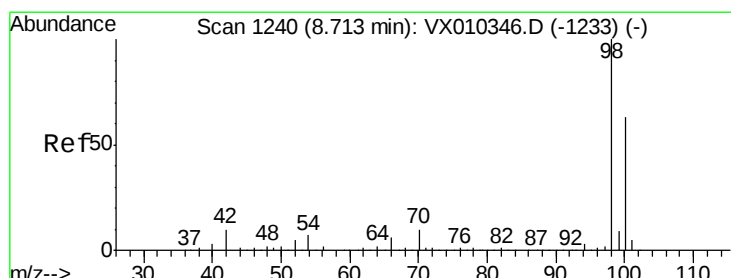
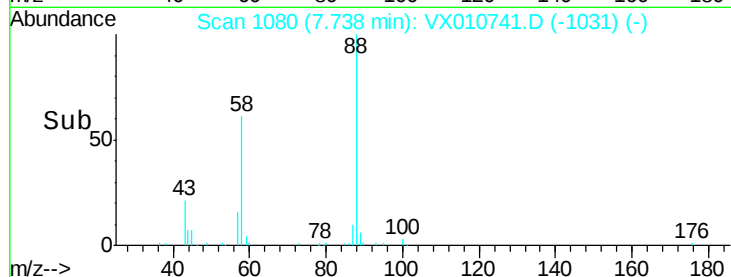
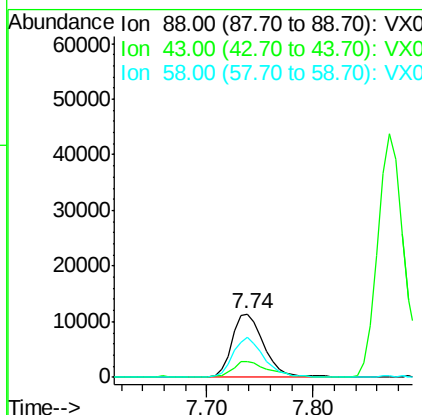
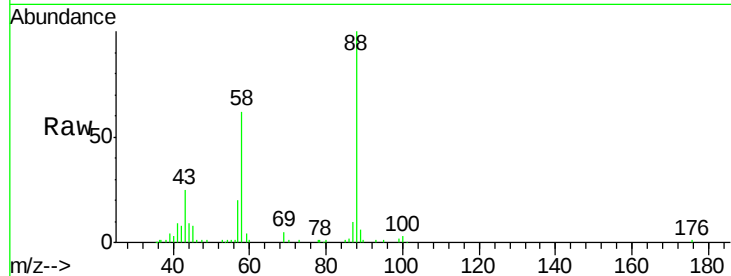
#49
1,4-Dioxane
Concen: 402.735 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	88	Resp	24203
Ion Ratio	100	Lower	Upper
88	100		
43	27.2	20.2	30.2
58	61.9	49.5	74.3

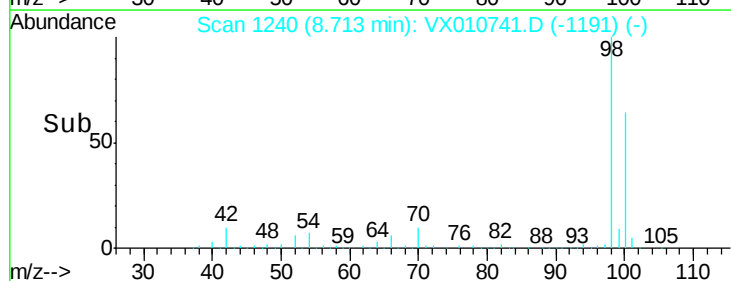
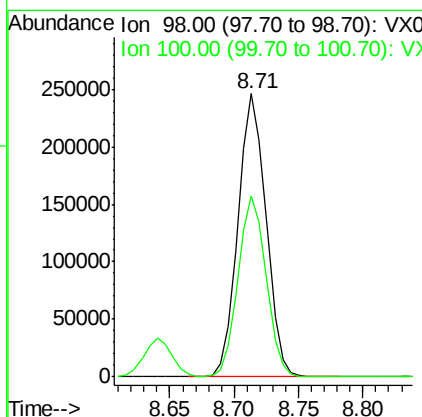
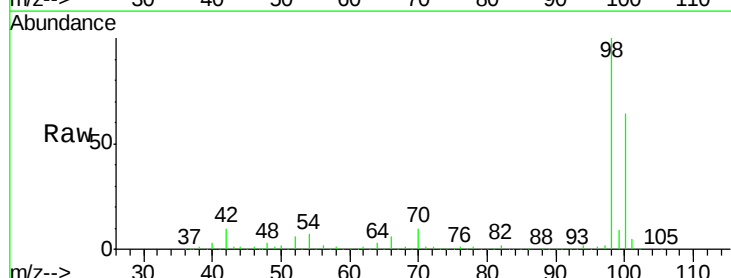
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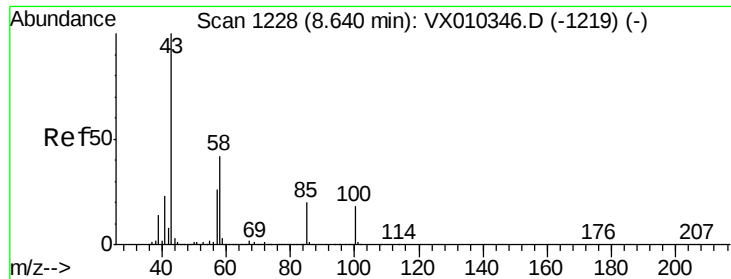
MMDadoda
7/10/2019 10:19:34 AM



#50
Toluene-d8
Concen: 47.840 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Tgt Ion	98	Resp	371591
Ion Ratio	100	Lower	Upper
98	100		
100	64.0	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 102.744 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampled :

VX0709WBS01

Tot Ion: 43 Resp: 294920

Ion Ratio Lower Upper

43 100

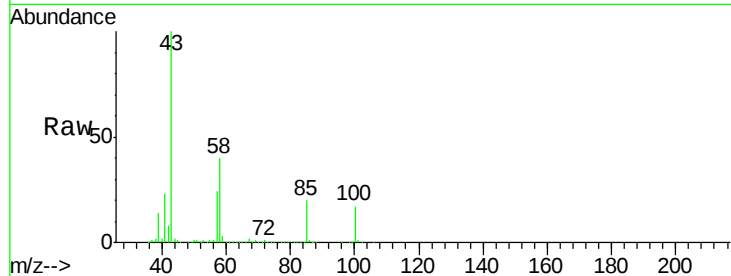
58 40.3 33.5 50.3

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MMDadoda

7/10/2019 10:19:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

200000

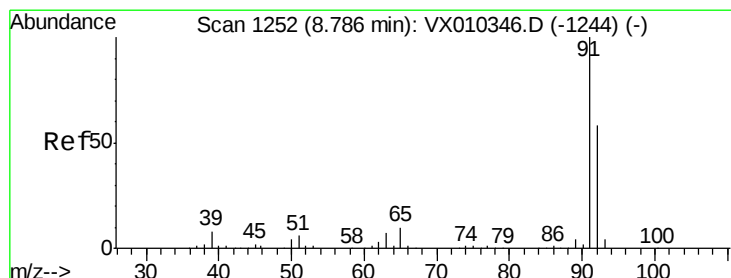
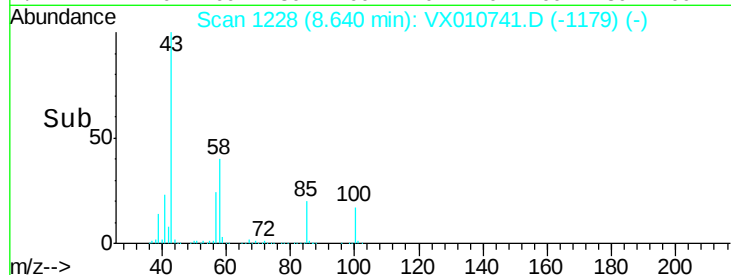
150000

100000

50000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 19.549 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010741.D

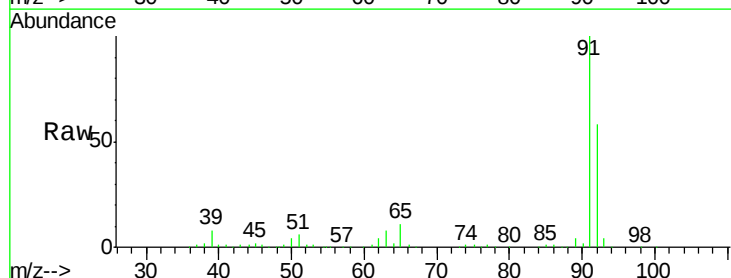
Acq: 09 Jul 2019 11:30

Tgt Ion: 92 Resp: 105761

Ion Ratio Lower Upper

92 100

91 176.7 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

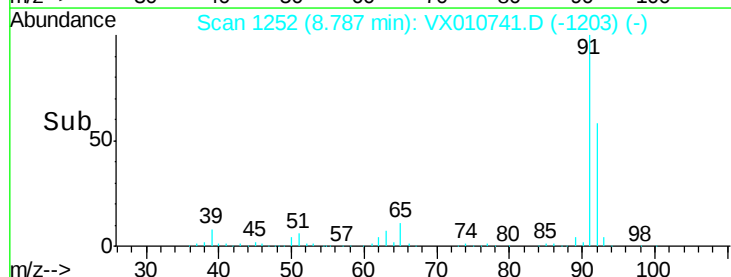
8.79

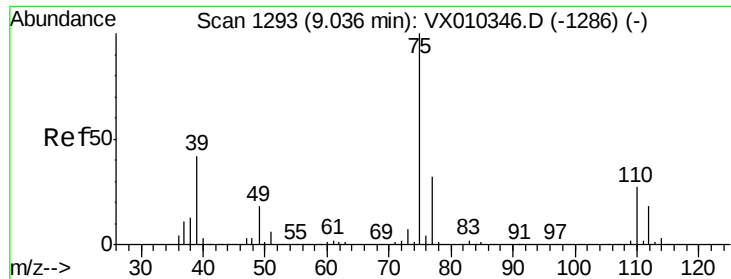
100000

50000

0

Time--> 8.70 8.75 8.80 8.85





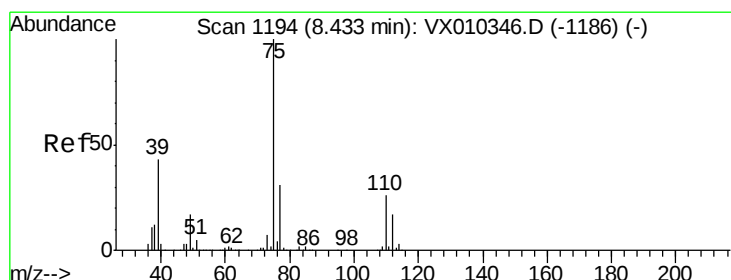
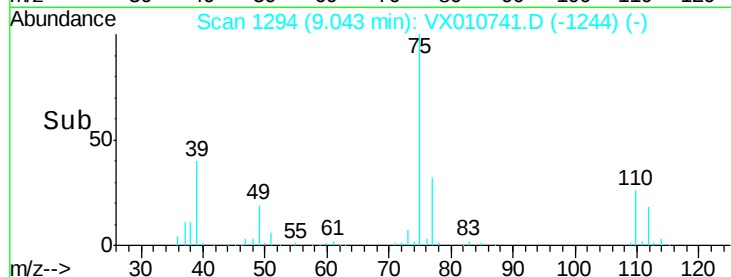
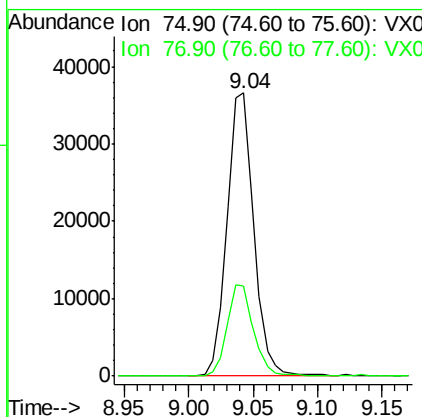
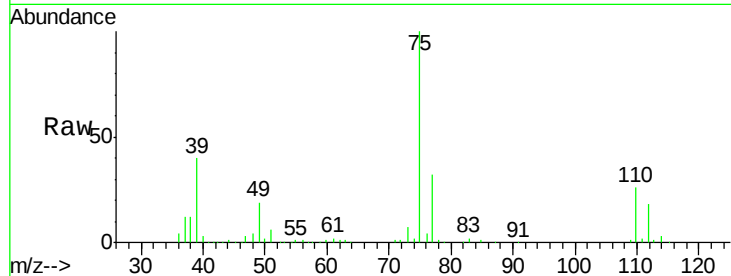
#53
t-1,3-Dichloropropene
Concen: 17.574 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion: 75 Resp: 53744
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2

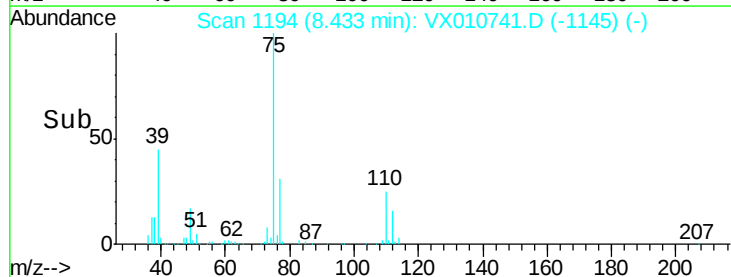
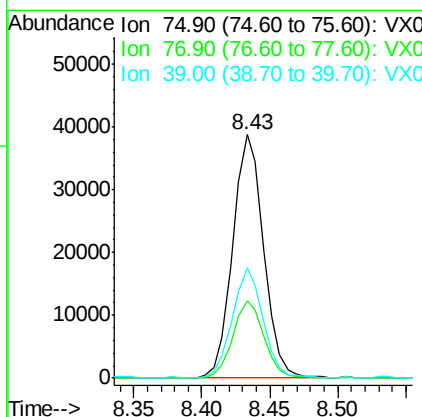
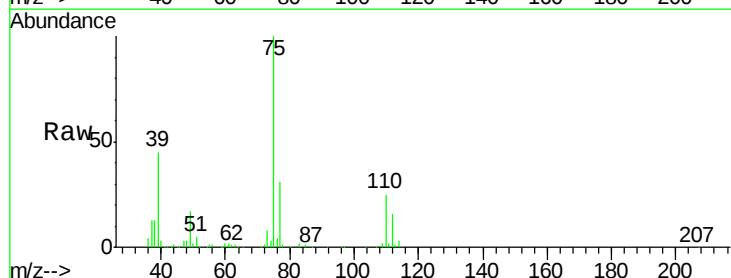
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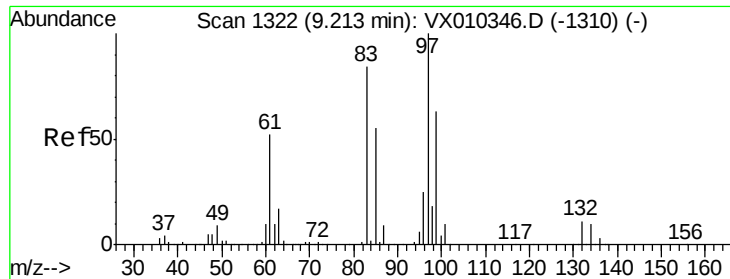
MMDadoda
7/10/2019 10:19:34 AM



#54
cis-1,3-Dichloropropene
Concen: 18.447 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Tgt Ion: 75 Resp: 61305
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 45.0 34.5 51.7





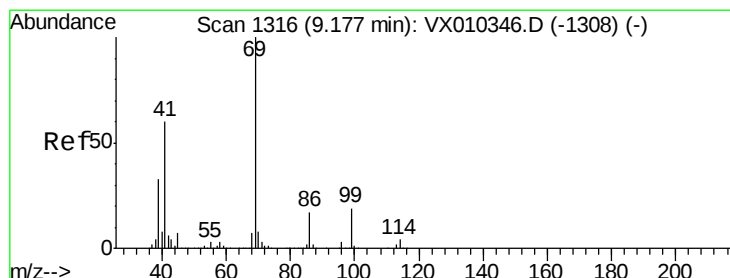
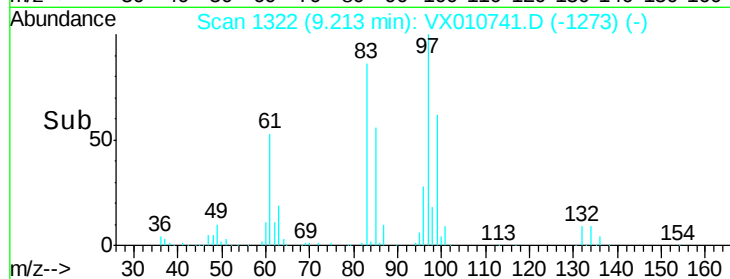
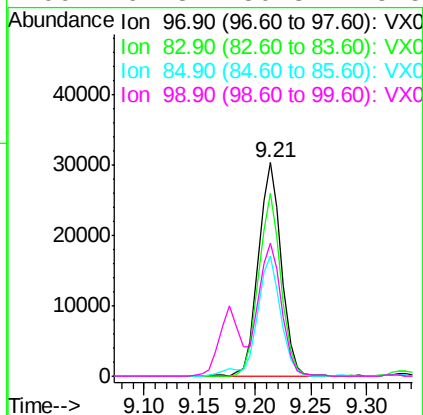
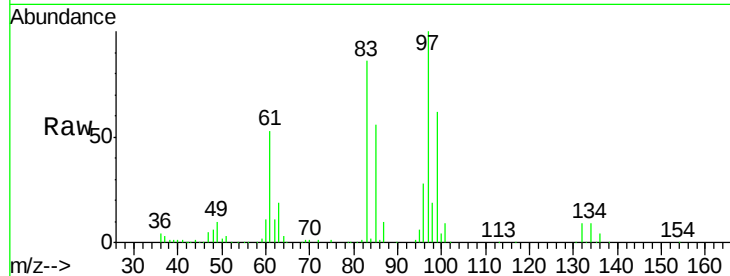
#55
 1,1,2-Trichloroethane
 Concen: 19.733 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010741.D
 Acq: 09 Jul 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion:	97	Resp:	44029
Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.4	101.0
85	56.2	43.8	65.8
99	62.3	50.3	75.5

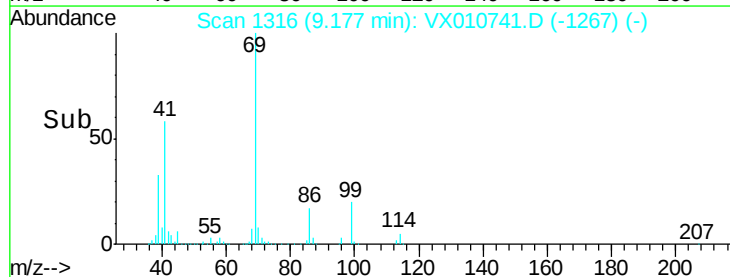
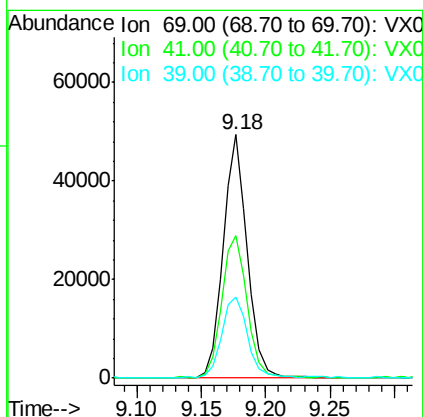
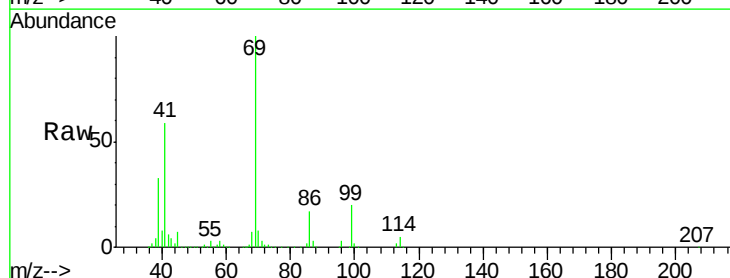
Manual Integrations
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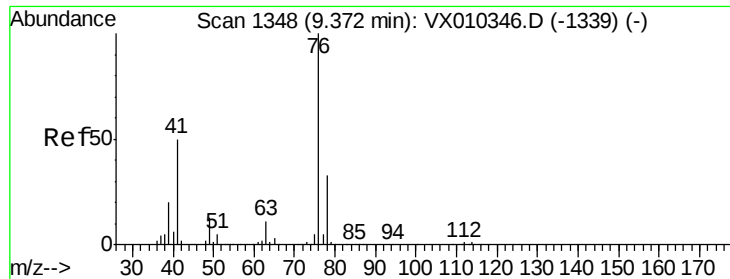
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 7/10/2019 10:19:34 AM



#56
 Ethyl methacrylate
 Concen: 19.210 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010741.D
 Acq: 09 Jul 2019 11:30

Tgt Ion:	69	Resp:	64929
Ion	Ratio	Lower	Upper
69	100		
41	61.5	47.1	70.7
39	35.4	26.6	40.0





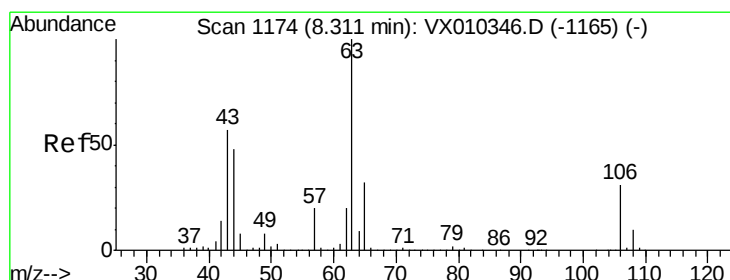
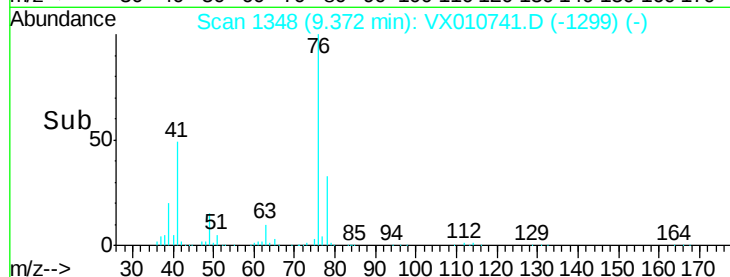
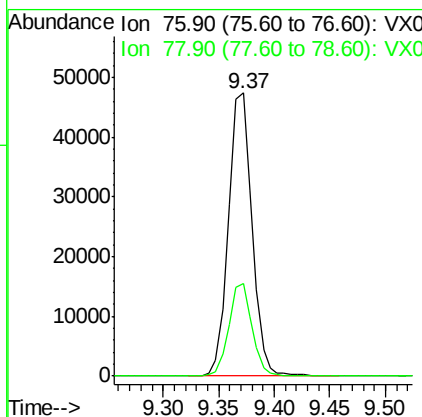
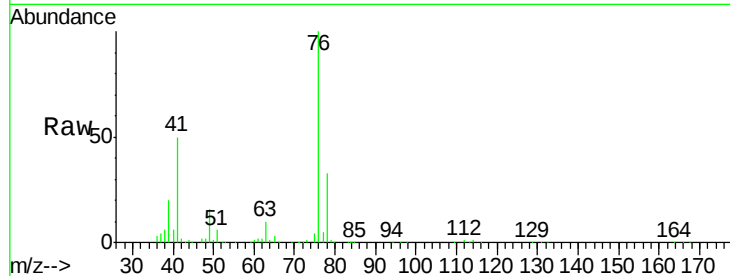
#57
 1,3-Dichloropropane
 Concen: 20.093 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010741.D
 Acq: 09 Jul 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion: 76 Resp: 69591
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1

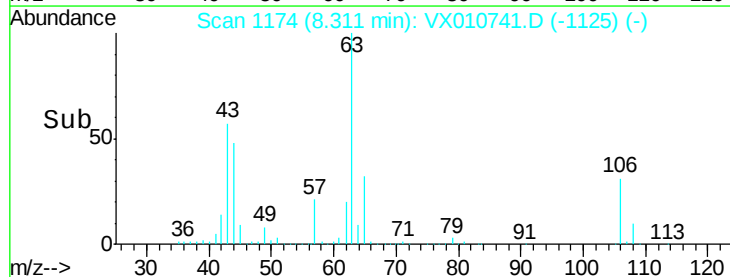
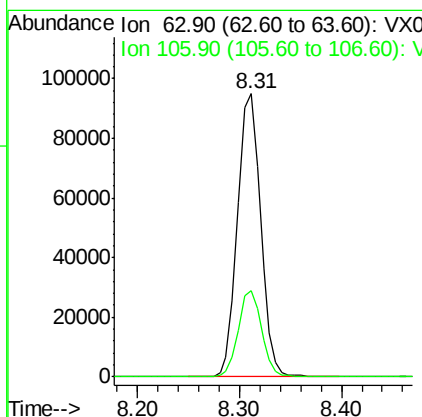
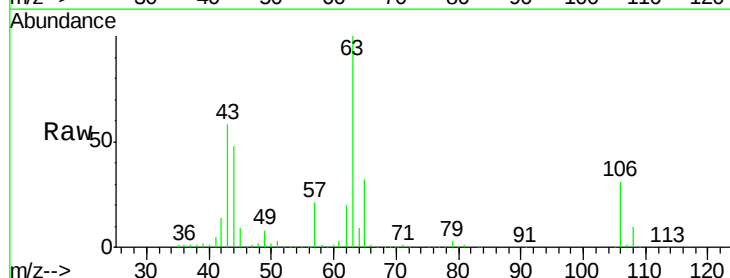
Manual Integrations
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MMDadoda
 7/10/2019 10:19:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.164 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010741.D
 Acq: 09 Jul 2019 11:30

Tgt Ion: 63 Resp: 149549
 Ion Ratio Lower Upper
 63 100
 106 30.6 24.7 37.1





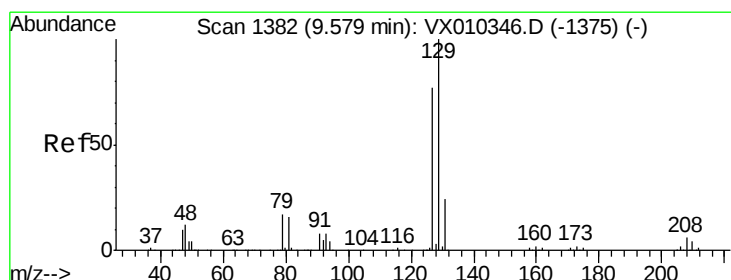
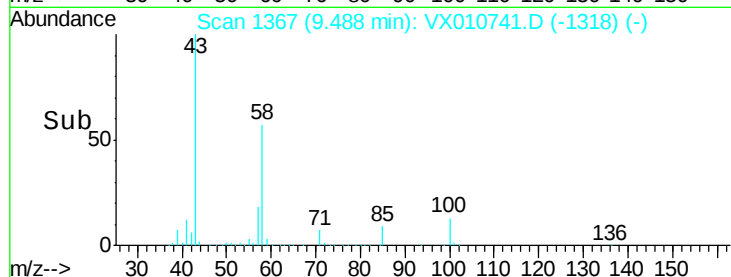
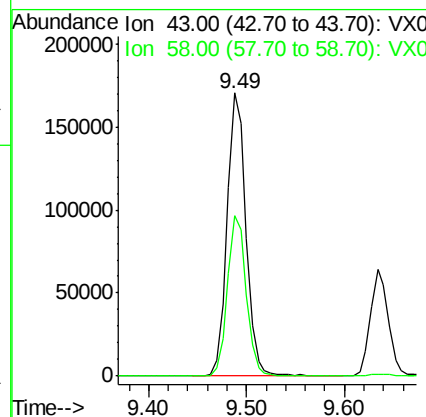
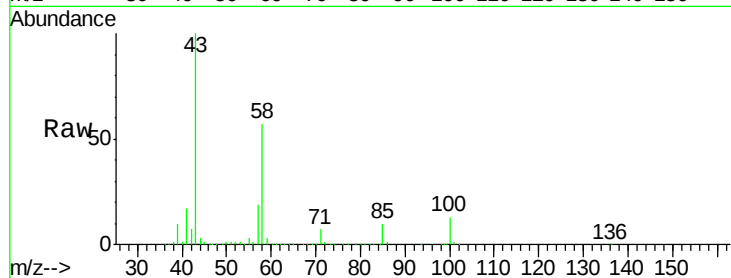
#59
2-Hexanone
Concen: 101.011 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion: 43 Resp: 228197
Ion Ratio Lower Upper
43 100
58 56.7 29.0 87.1

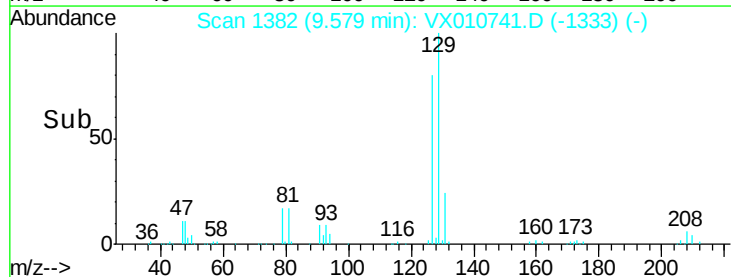
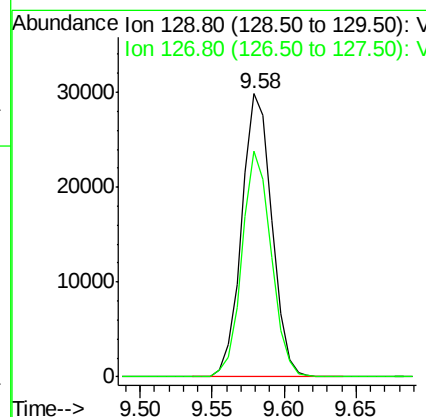
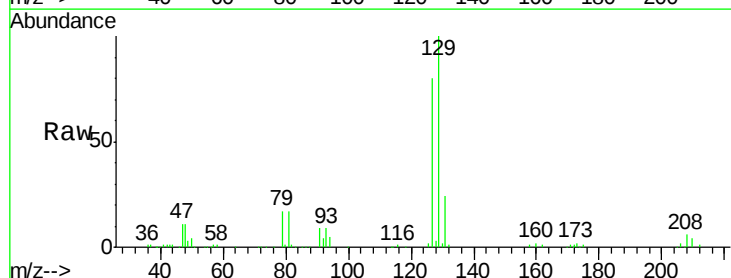
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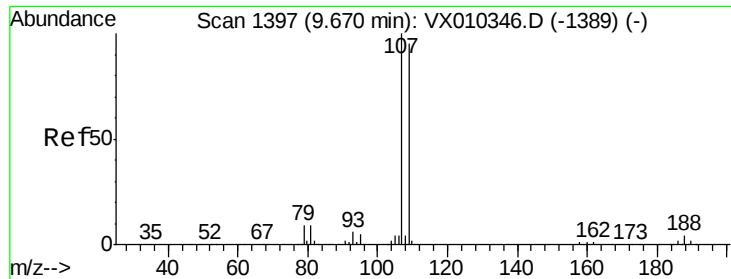
MMDadoda
7/10/2019 10:19:34 AM



#60
Dibromochloromethane
Concen: 17.391 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Tgt Ion: 129 Resp: 43446
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.1





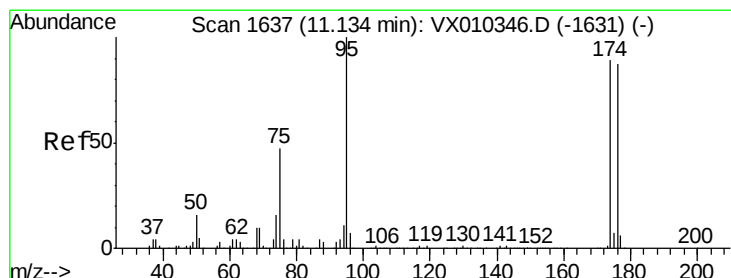
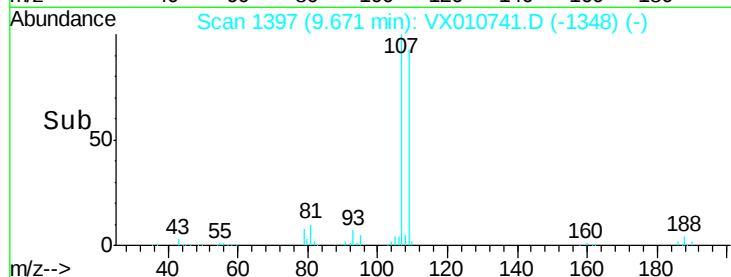
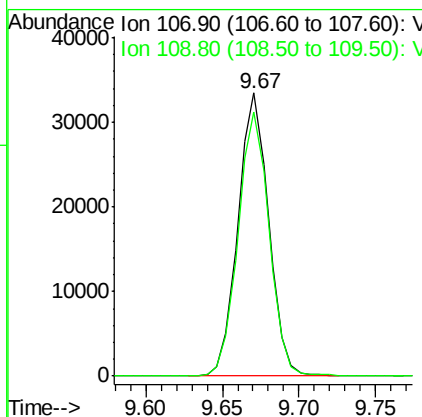
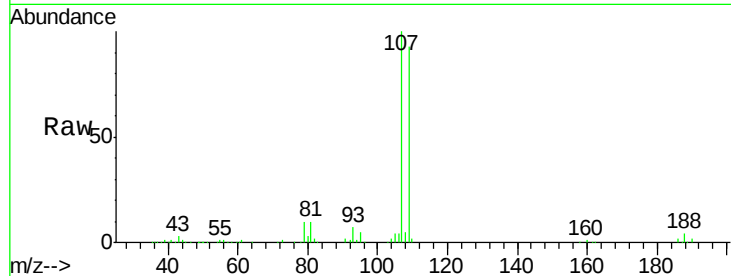
#61
 1,2-Dibromoethane
 Concen: 19.298 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX010741.D
 Acq: 09 Jul 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.8	113.6

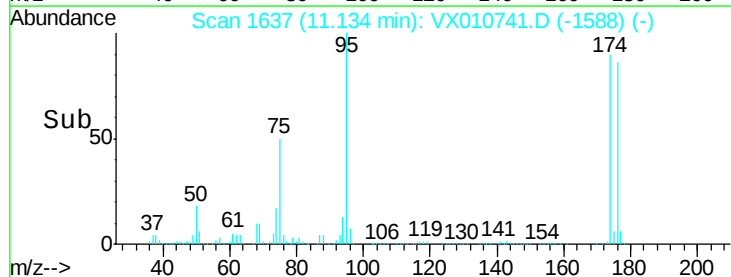
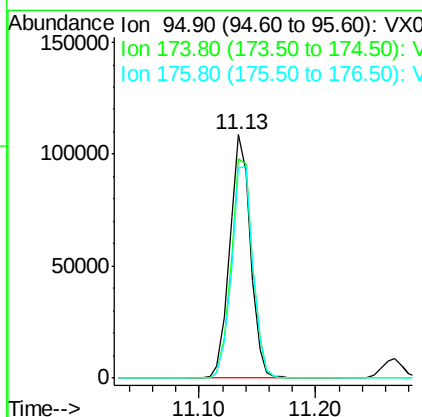
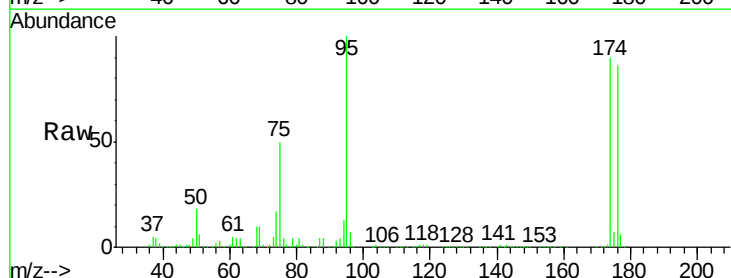
Manual Integrations
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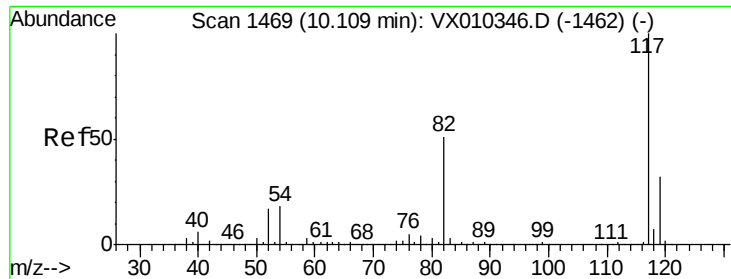
MMDadoda
 7/10/2019 10:19:34 AM



#62
 4-Bromofluorobenzene
 Concen: 47.925 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010741.D
 Acq: 09 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.6	0.0	187.6
176	90.2	0.0	184.0





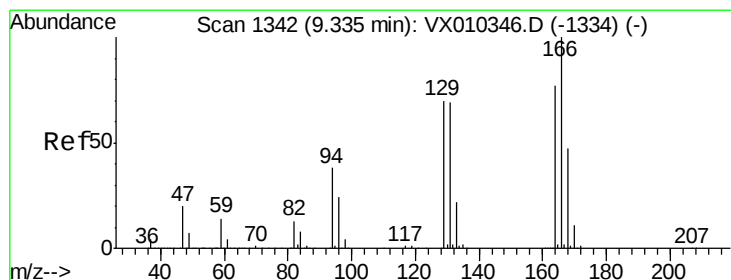
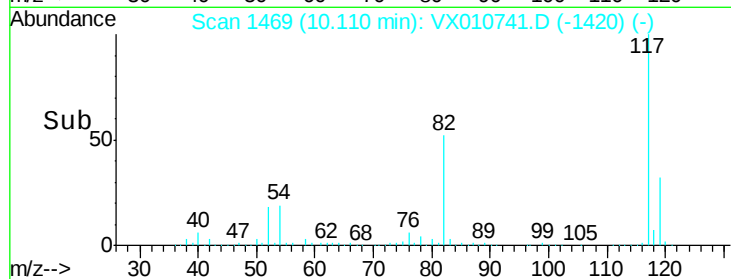
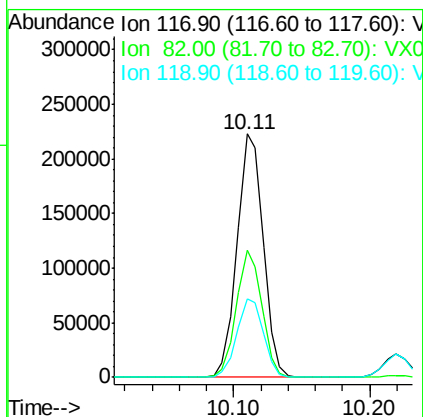
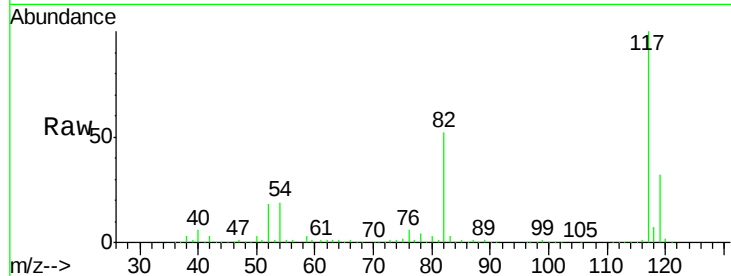
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.2	61.8
119	32.0	25.5	38.3

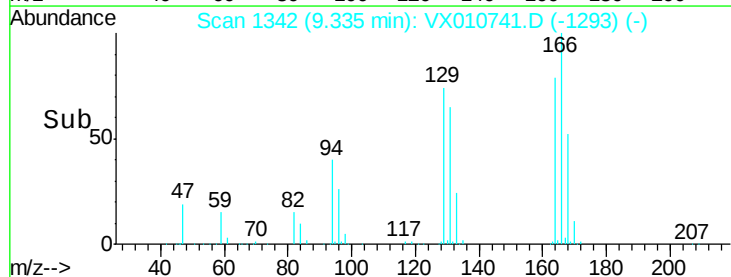
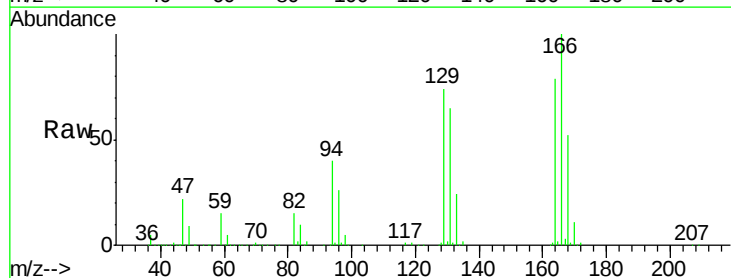
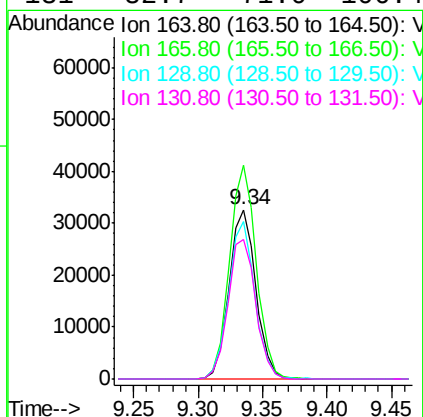
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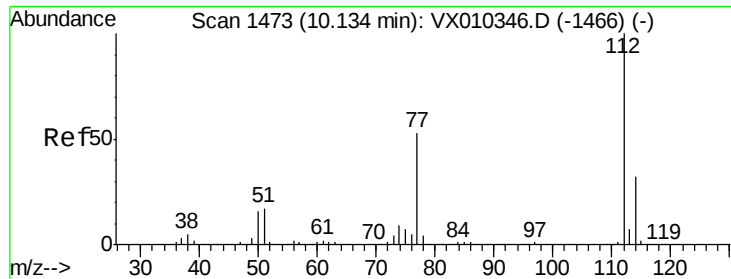
MMDadoda
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#64
Tetrachloroethene
Concen: 19.689 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	103.6	155.4
129	93.3	73.0	109.4
131	82.7	71.0	106.4





#65

Chlorobenzene

Concen: 19.857 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampled :

VX0709WBS01

Tot Ion:112 Resp: 120365

Ion Ratio Lower Upper

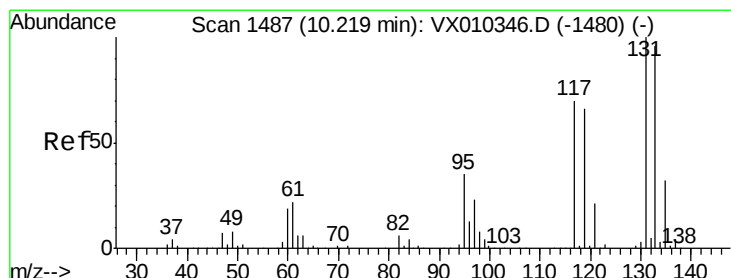
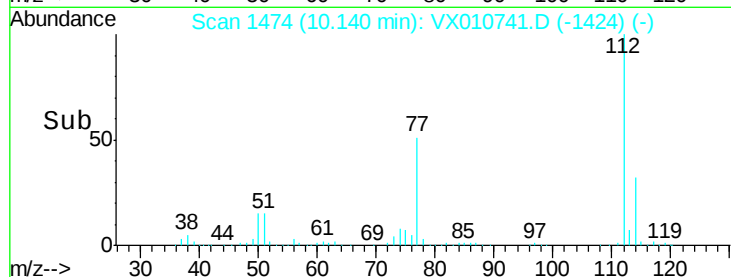
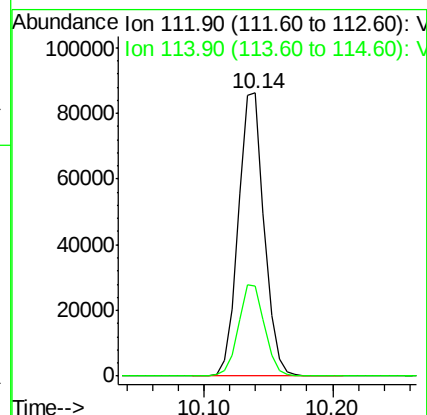
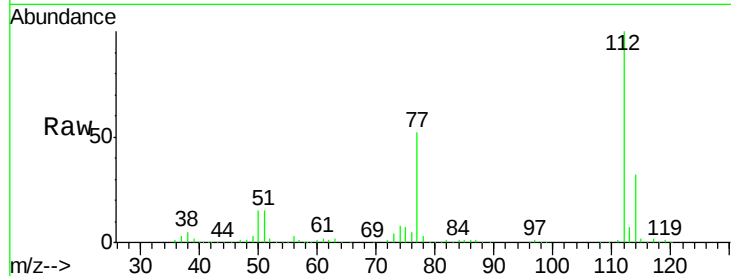
112 100

114 31.8 25.4 38.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 18.761 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

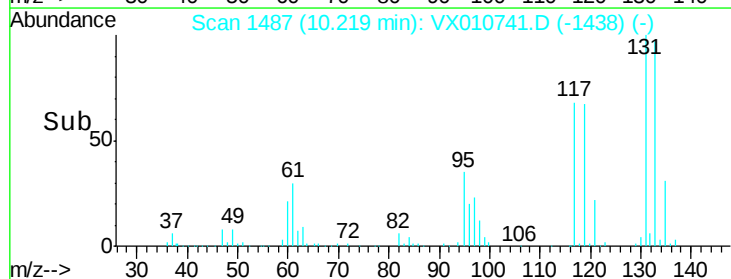
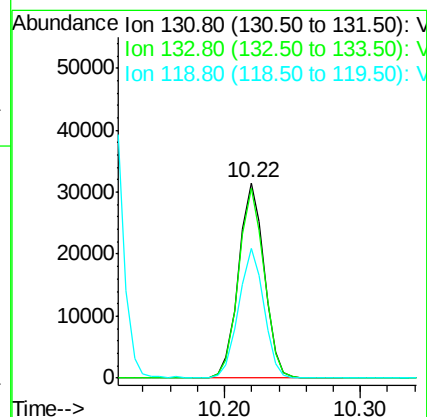
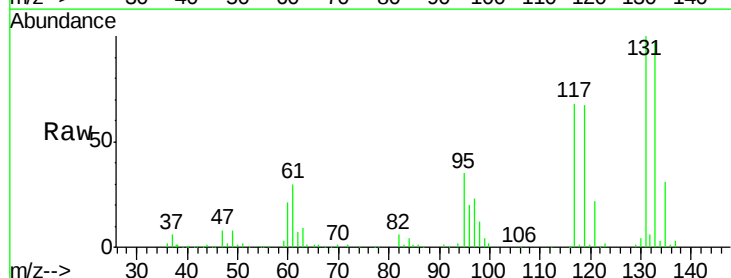
Tgt Ion:131 Resp: 41424

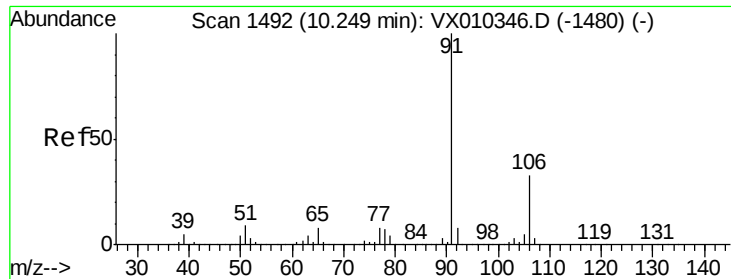
Ion Ratio Lower Upper

131 100

133 96.8 47.7 143.1

119 65.9 32.6 97.7





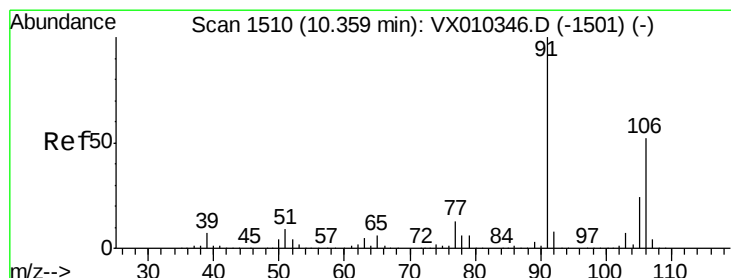
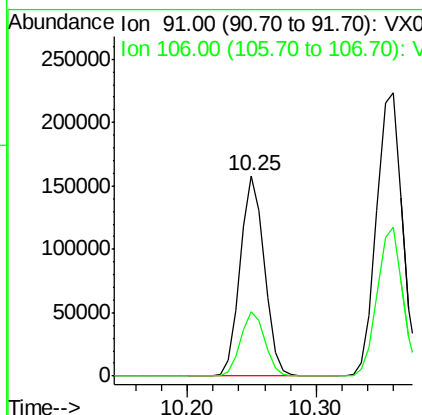
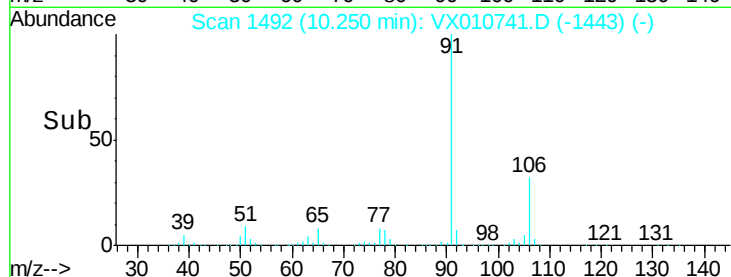
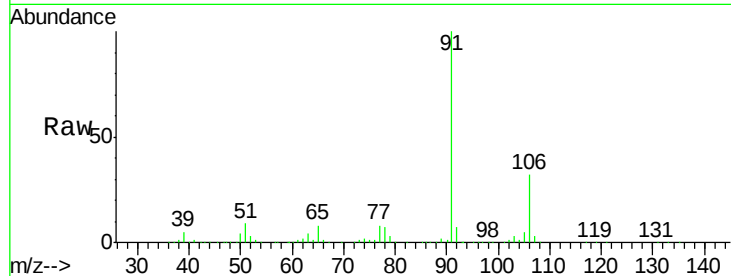
#67
Ethyl Benzene
Concen: 20.103 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion: 91 Resp: 205718
Ion Ratio Lower Upper
91 100
106 32.0 26.2 39.2

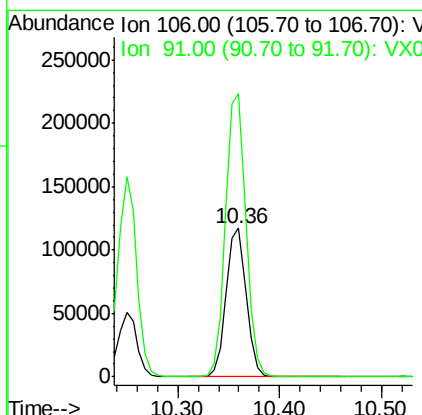
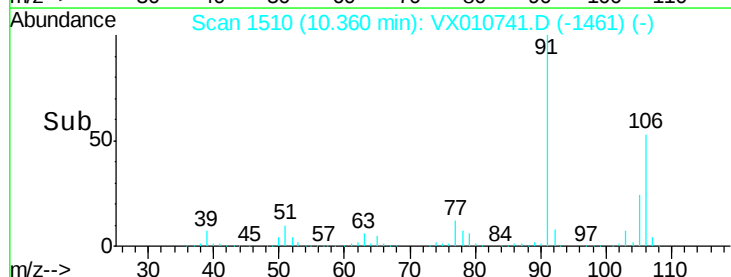
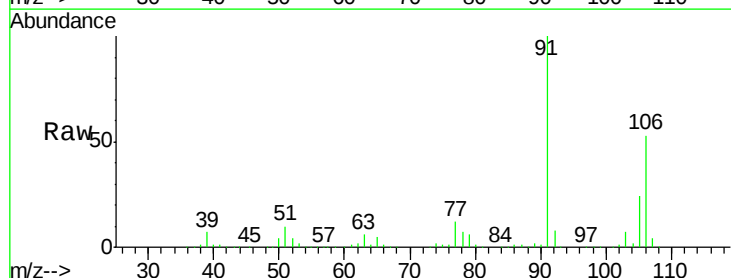
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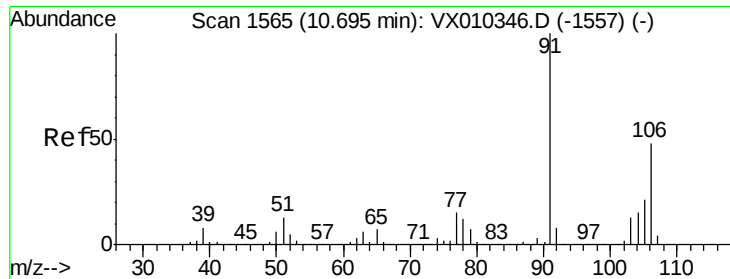
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#68
m/p-Xylenes
Concen: 40.169 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Tgt Ion: 106 Resp: 159277
Ion Ratio Lower Upper
106 100
91 193.3 155.3 232.9





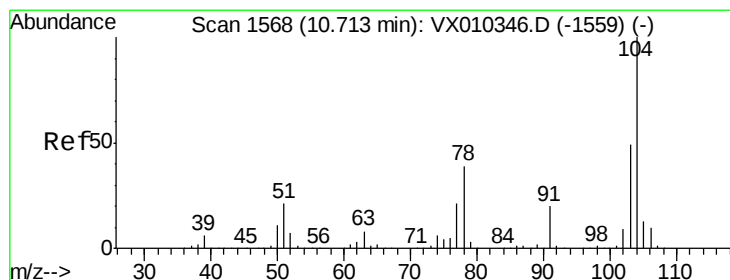
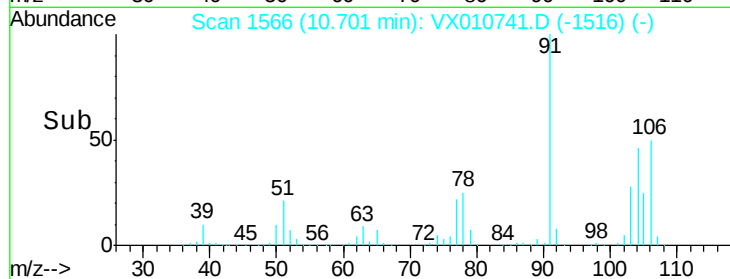
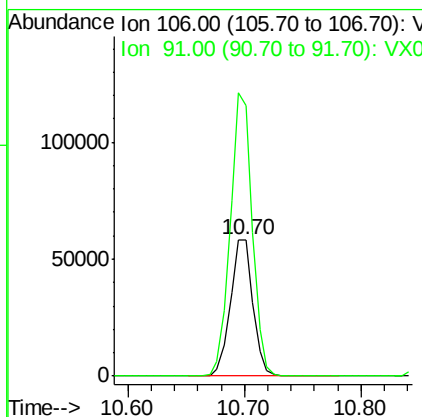
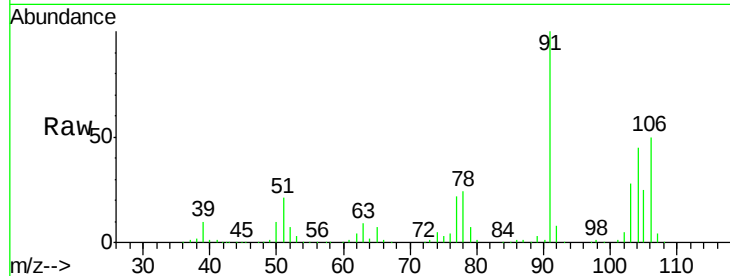
#69
o-Xylene
Concen: 20.124 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion:106 Resp: 78473
Ion Ratio Lower Upper
106 100
91 202.9 102.7 308.1

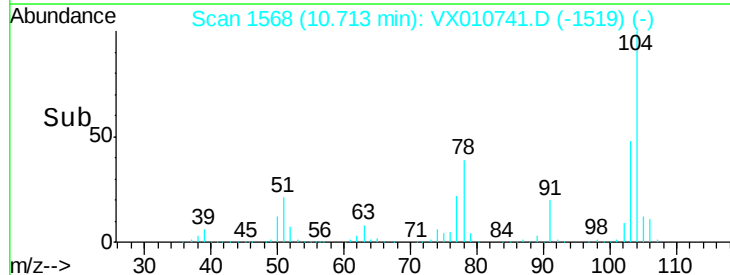
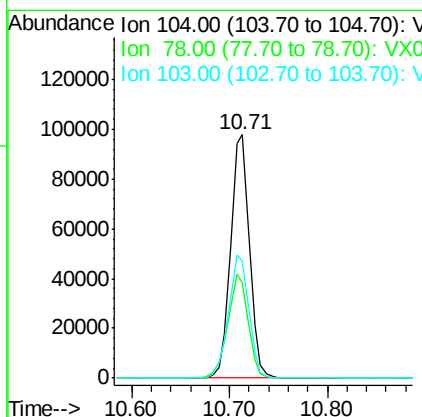
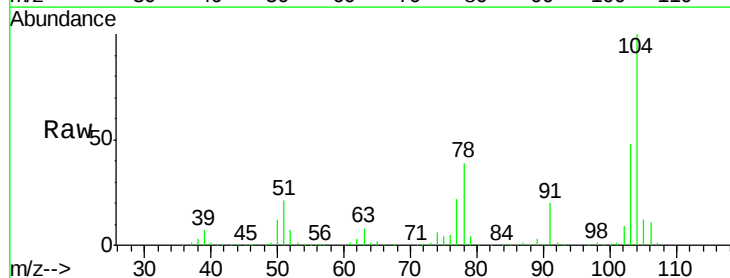
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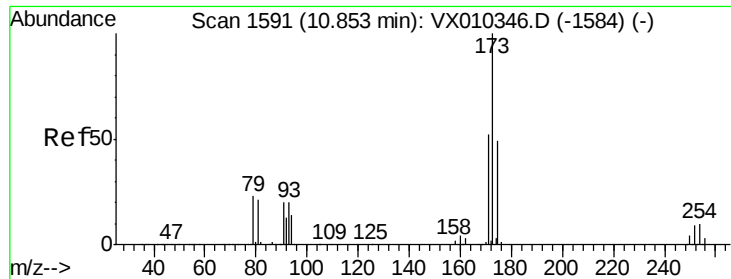
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#70
Styrene
Concen: 20.014 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Tgt Ion:104 Resp: 130880
Ion Ratio Lower Upper
104 100
78 46.1 36.2 54.2
103 54.5 44.2 66.4





#71

Bromoform

Concen: 16.246 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion:173 Resp: 31193

Ion Ratio Lower Upper

173 100

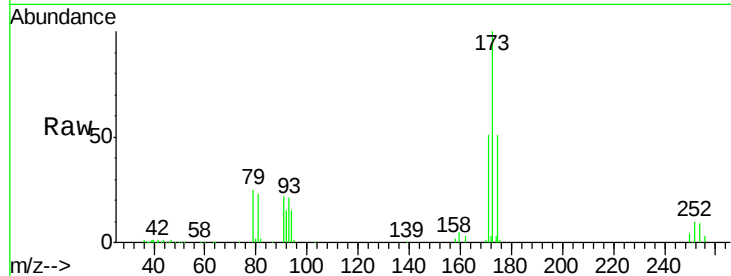
175 47.8 24.1 72.3

254 0.0 0.2 0.2#

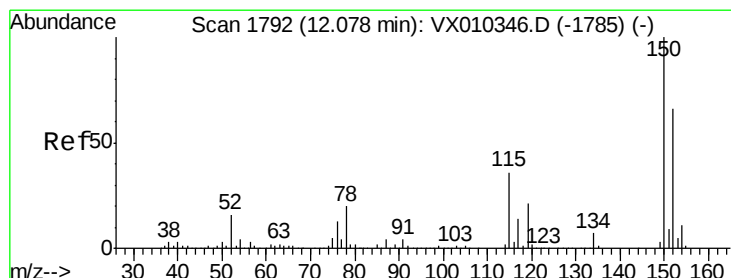
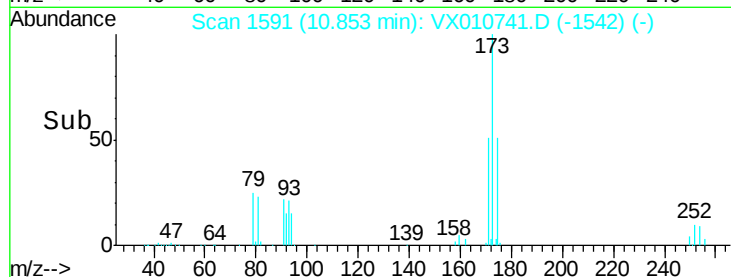
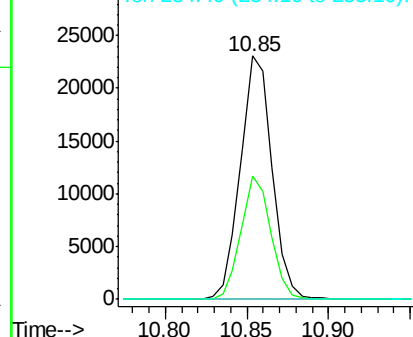
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

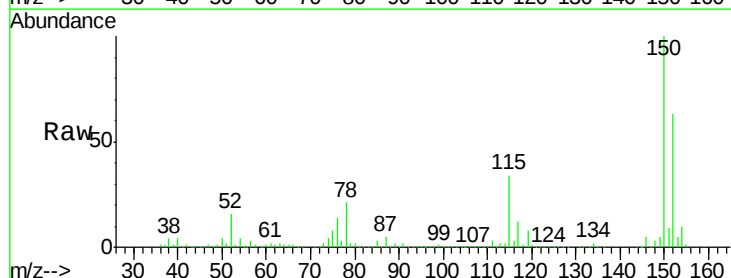
Tgt Ion:152 Resp: 155468

Ion Ratio Lower Upper

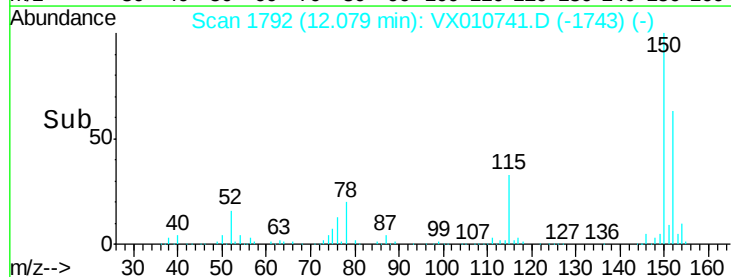
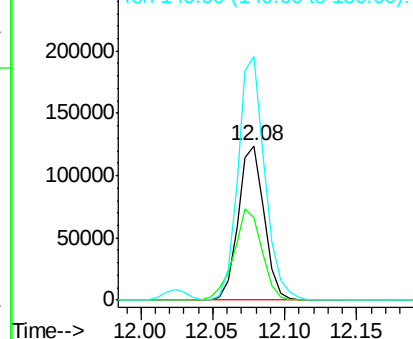
152 100

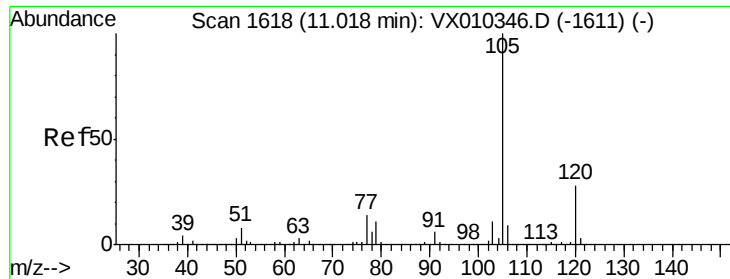
115 64.1 38.6 115.7

150 163.5 0.0 347.4



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





#73

Isopropylbenzene

Concen: 19.485 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion:105 Resp: 205346

Ion Ratio Lower Upper

105 100

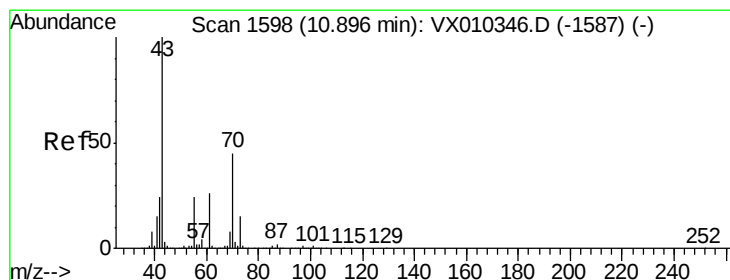
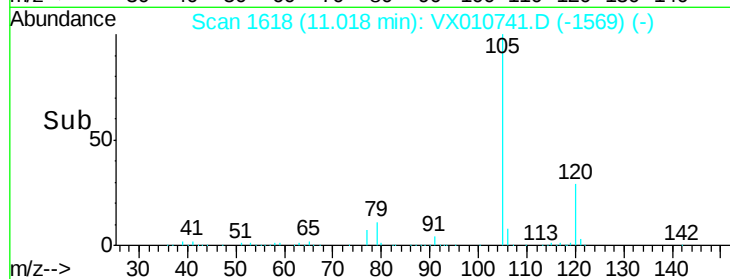
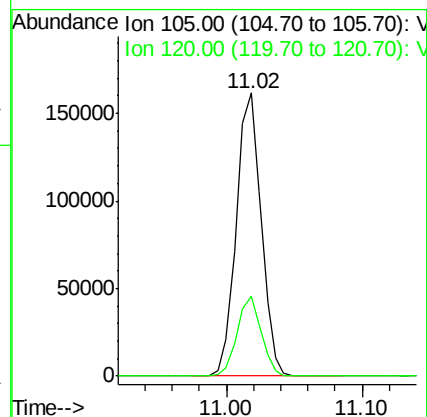
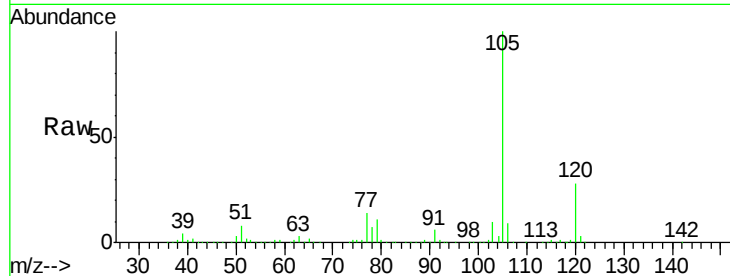
120 27.4 14.1 42.4

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#74

N-ethyl acetate

Concen: 19.792 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Tgt Ion: 43 Resp: 78830

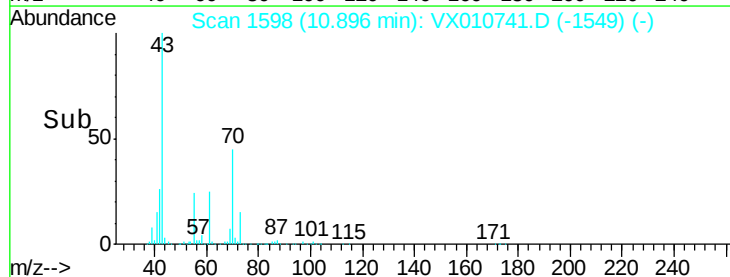
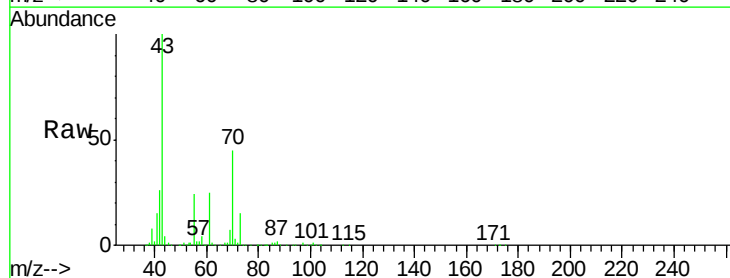
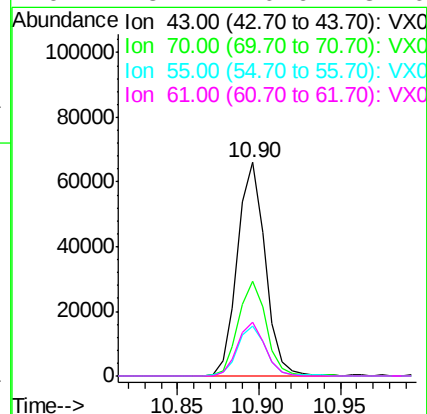
Ion Ratio Lower Upper

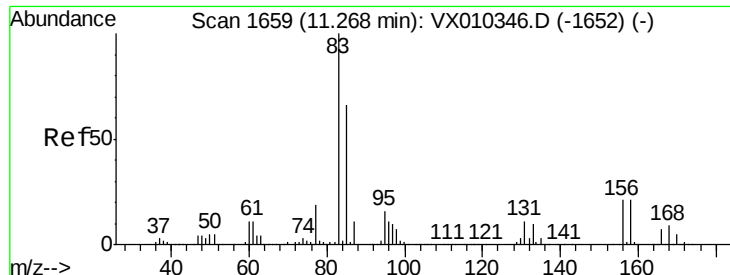
43 100

70 44.9 36.6 54.8

55 24.3 18.7 28.1

61 25.1 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.523 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

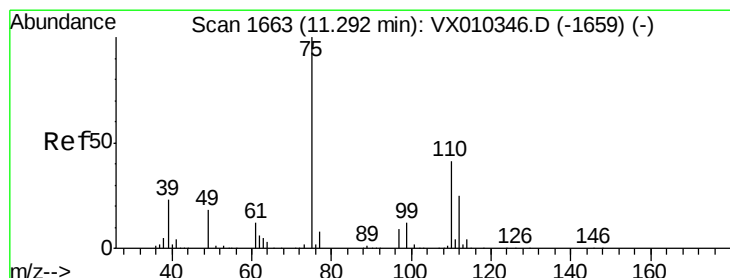
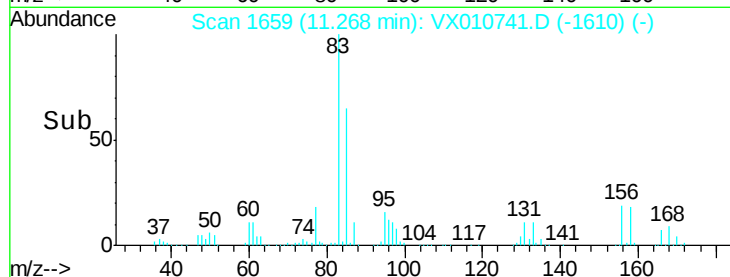
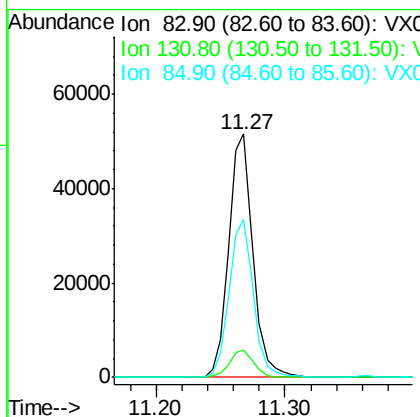
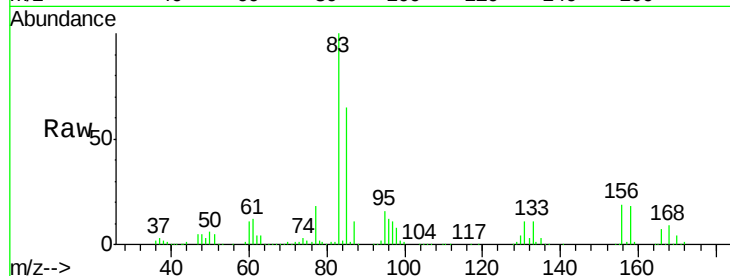
ClientSampleId :

VX0709WBS01

Tot Ion:	83	Resp:	68138
Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.5	16.4
85	65.1	32.3	96.8

Manual Integrations
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7/10/2019 10:19:34 AM



#76

1,2,3-Trichloropropane

Concen: 19.698 ug/l m

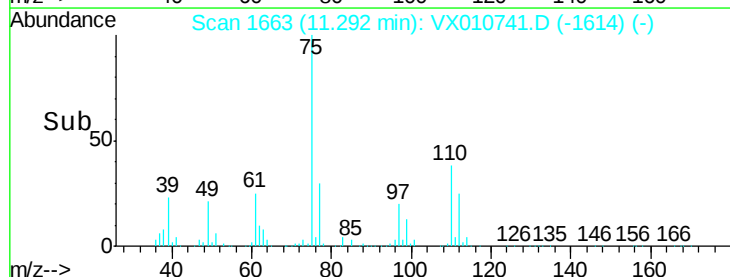
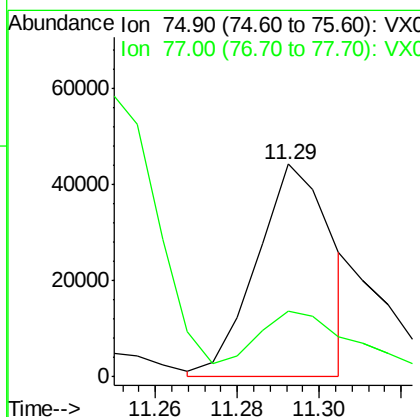
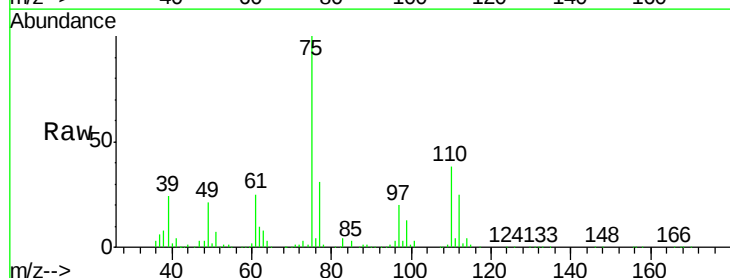
RT: 11.29 min Scan# 1663

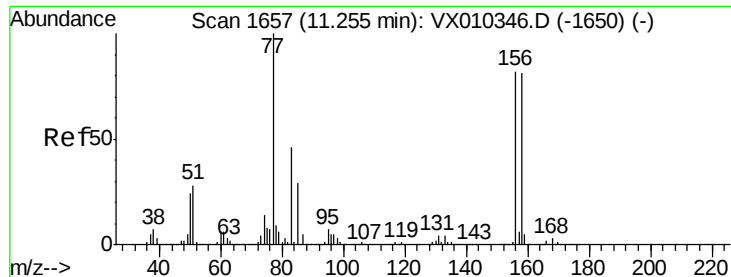
Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Tgt Ion:	75	Resp:	55804
Ion	Ratio	Lower	Upper
75	100		
77	42.1	22.6	67.8





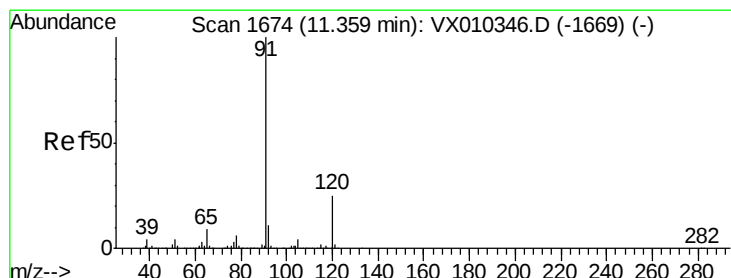
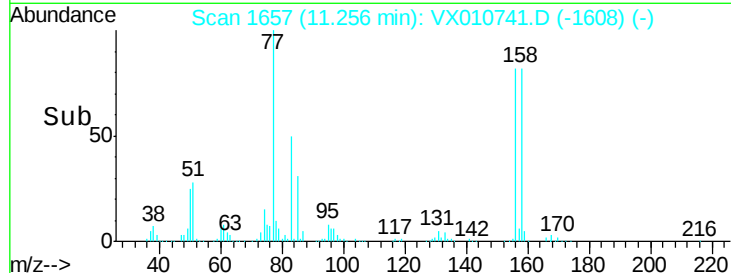
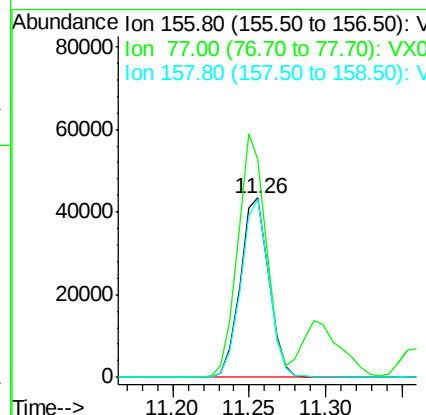
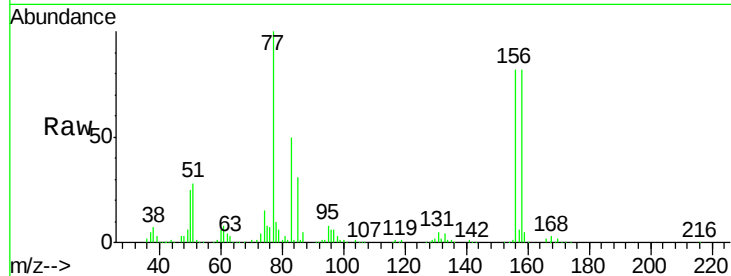
#77
Bromobenzene
Concen: 19.063 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	134.3	66.3	198.7
158	97.5	48.9	146.7

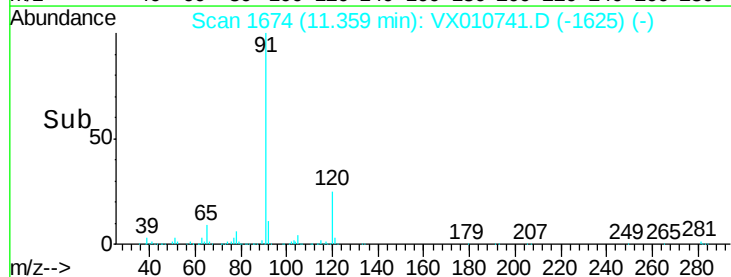
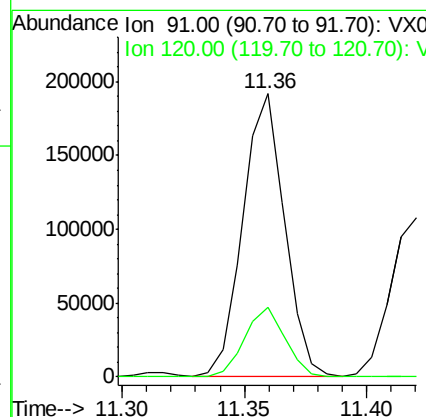
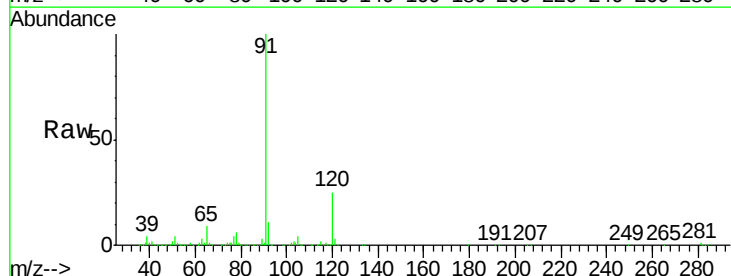
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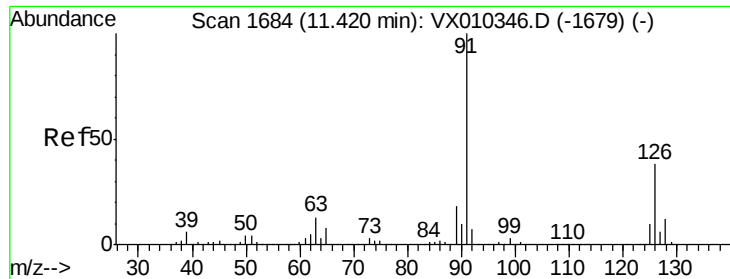
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#78
n-propylbenzene
Concen: 19.570 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.4	37.4





#79

2-Chlorotoluene

Concen: 19.489 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion: 91 Resp: 134418

Ion Ratio Lower Upper

91 100

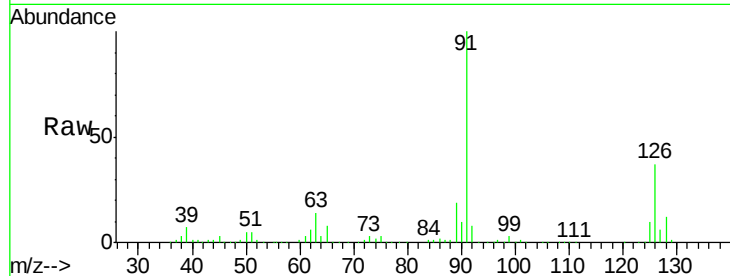
126 37.3 18.7 56.1

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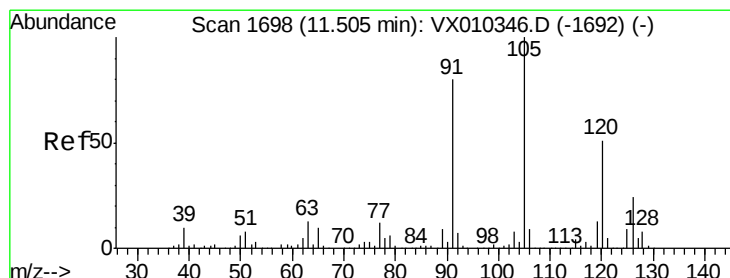
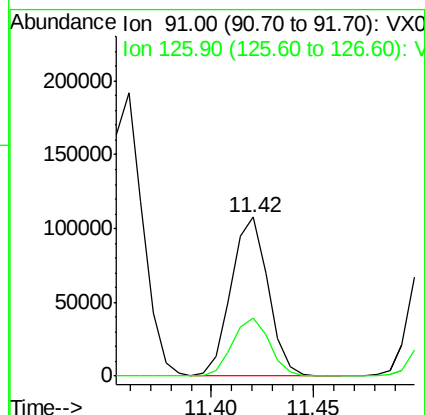
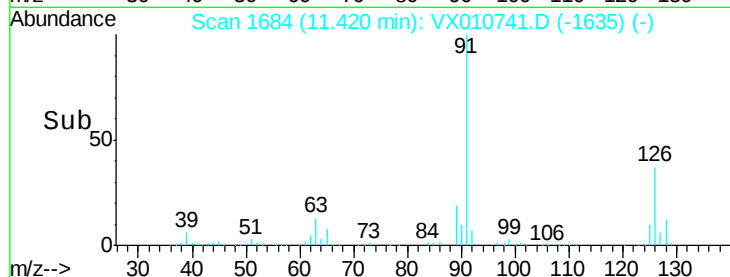
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Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1679) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 19.736 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010741.D

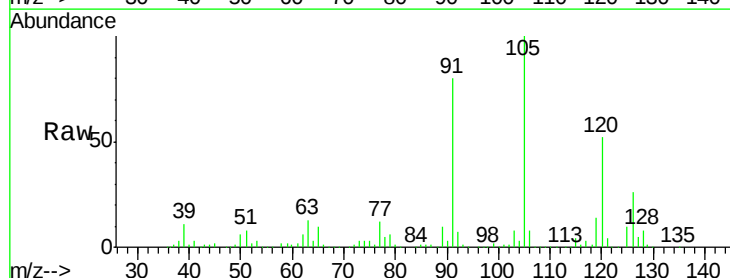
Acq: 09 Jul 2019 11:30

Tgt Ion: 105 Resp: 171467

Ion Ratio Lower Upper

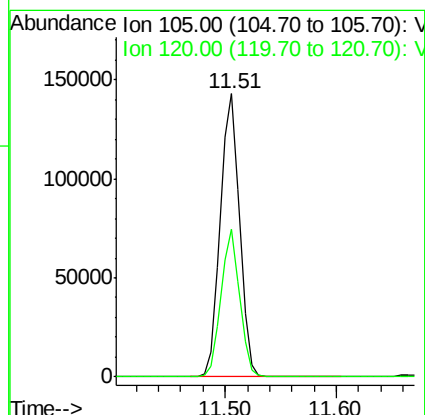
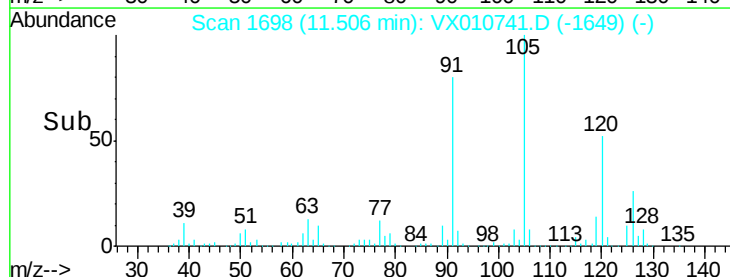
105 100

120 50.3 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: 14.712 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

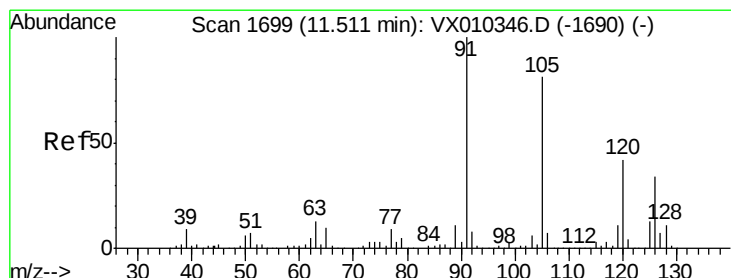
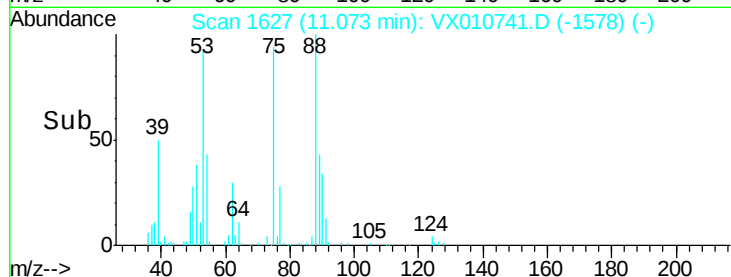
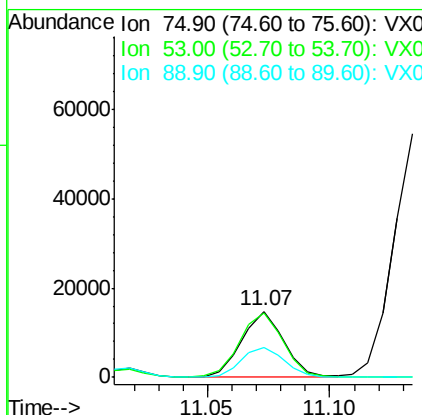
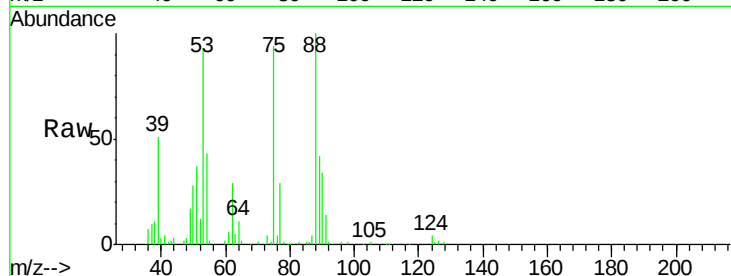
ClientSampleId :

VX0709WBS01

Tot Ion:	75	Resp:	17866
Ion Ratio	Lower	Upper	
75	100		
53	99.6	66.1	99.1#
89	46.7	37.8	56.6

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#82

4-Chlorotoluene

Concen: 19.591 ug/l

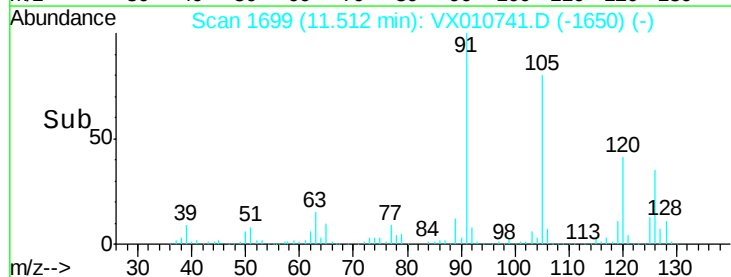
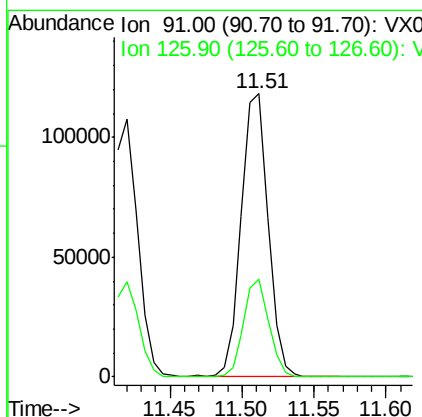
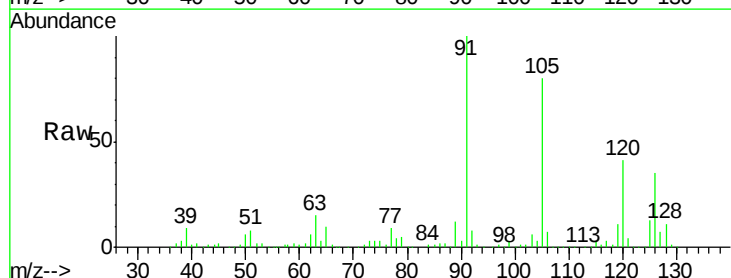
RT: 11.51 min Scan# 1699

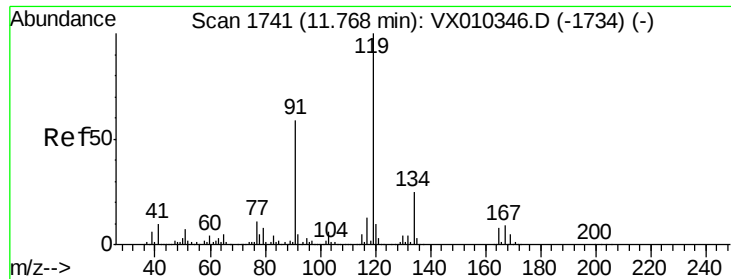
Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Tgt Ion:	91	Resp:	153757
Ion Ratio	Lower	Upper	
91	100		
126	32.6	16.2	48.6





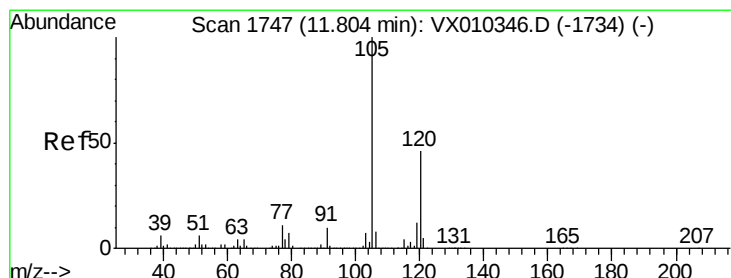
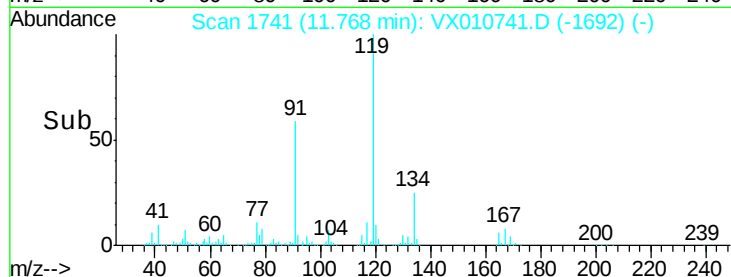
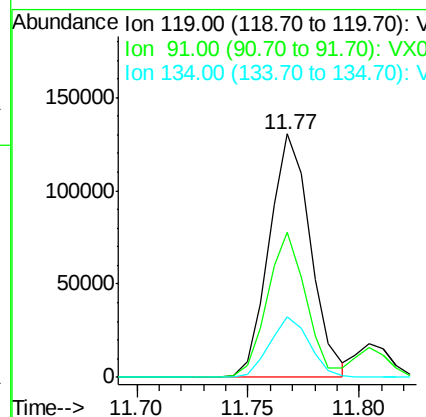
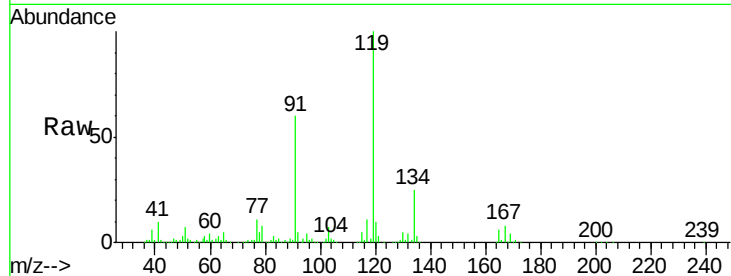
#83
 tert-Butylbenzene
 Concen: 19.301 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010741.D
 Acq: 09 Jul 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	168306		
91	56.2	27.6	82.7	
134	24.0	11.8	35.4	

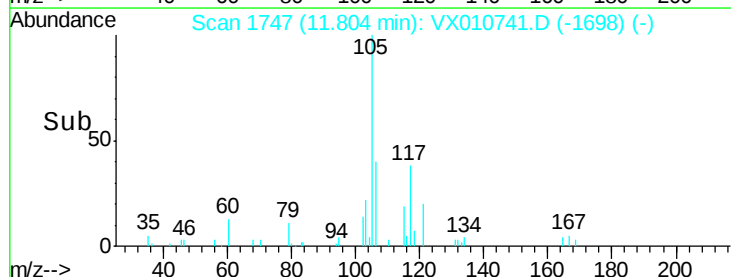
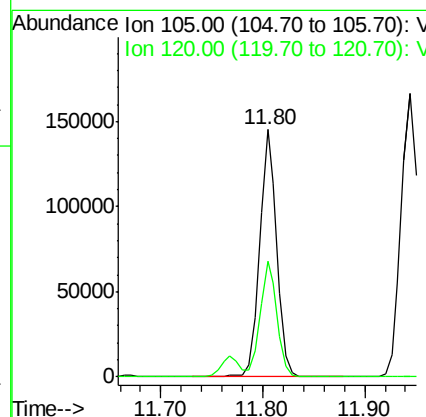
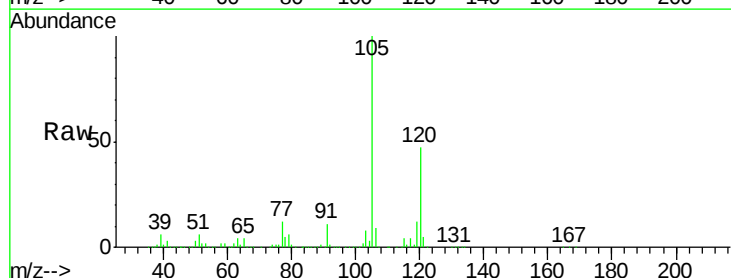
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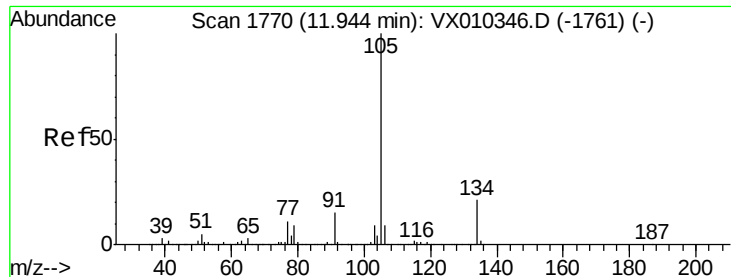
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.553 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010741.D
 Acq: 09 Jul 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	170669		
120	46.4	23.1	69.2	





#85

sec-Butylbenzene

Concen: 19.369 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

Tot Ion:105 Resp: 198304

Ion Ratio Lower Upper

105 100

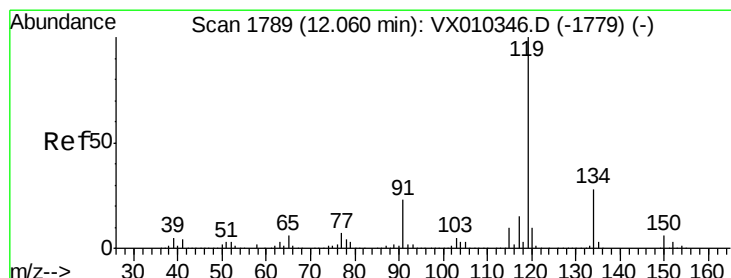
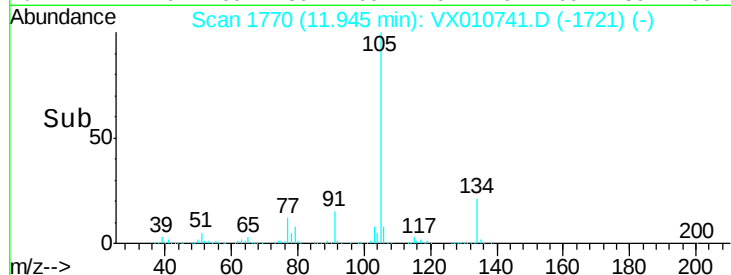
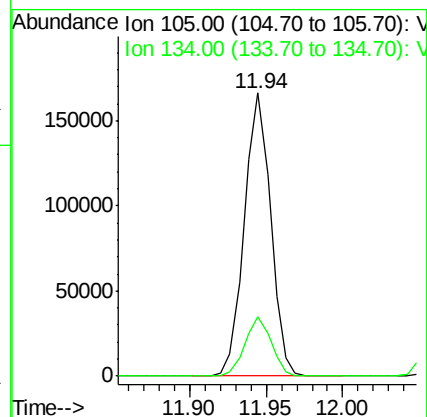
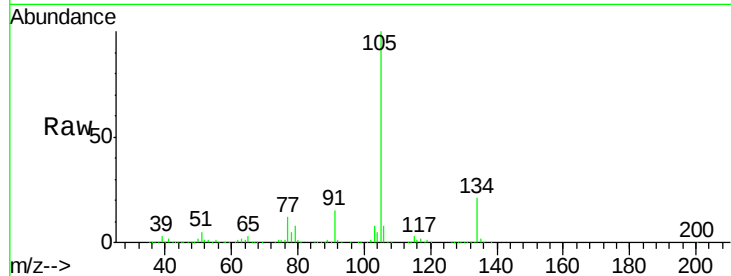
134 20.9 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 19.297 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

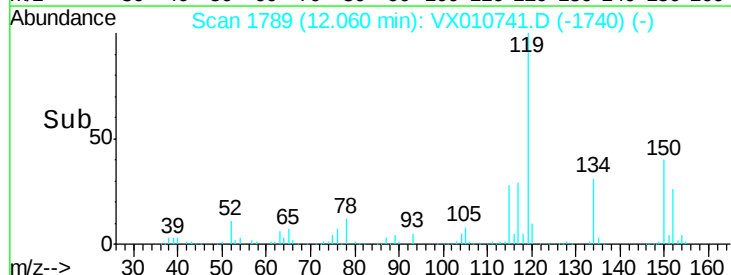
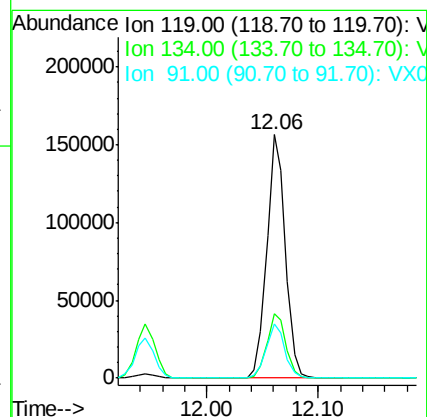
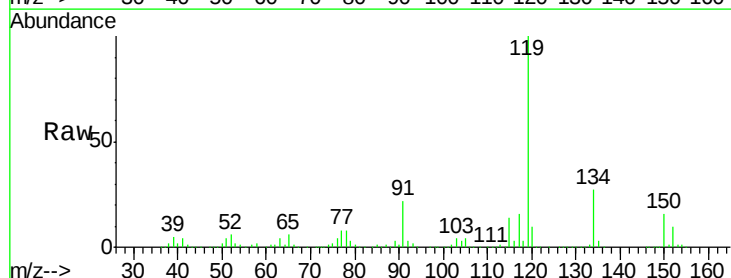
Tgt Ion:119 Resp: 182745

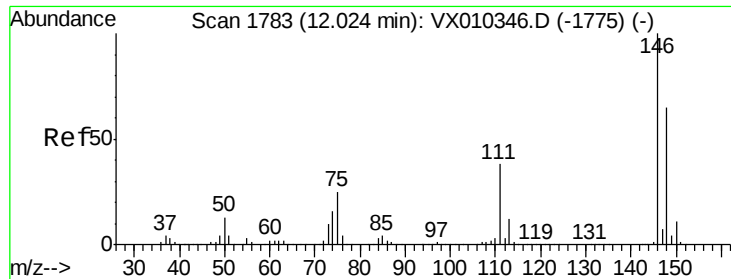
Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.1

91 22.6 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 19.206 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

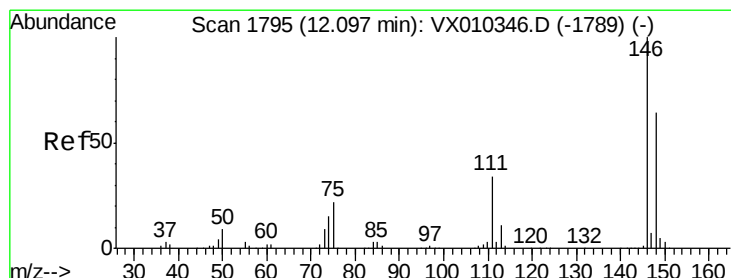
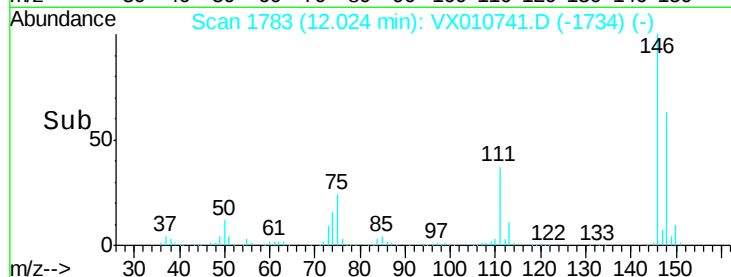
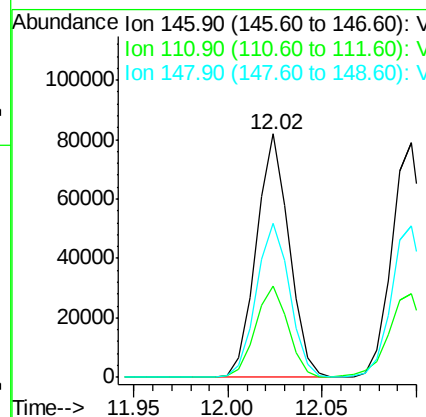
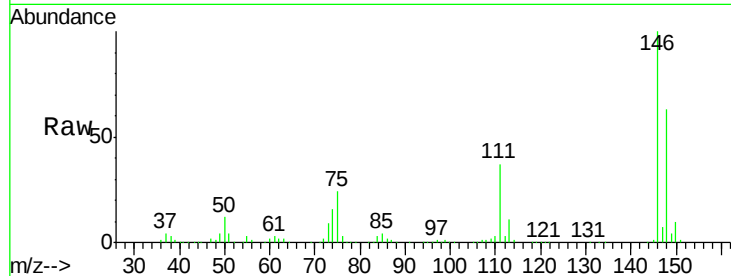
ClientSampled :

VX0709WBS01

Tot Ion:	146	Resp:	98654
Ion Ratio	Lower	Upper	
146	100		
111	37.4	19.1	57.1
148	64.6	32.5	97.4

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#88

1,4-Dichlorobenzene

Concen: 18.806 ug/l

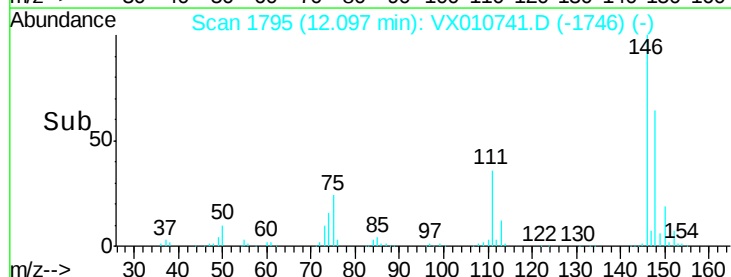
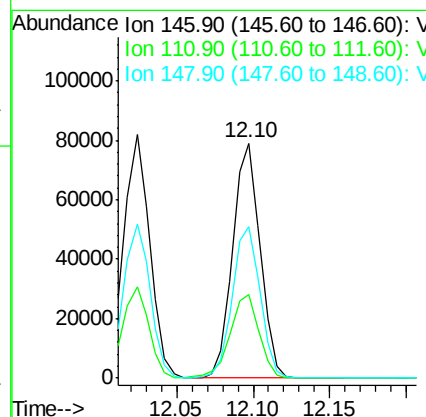
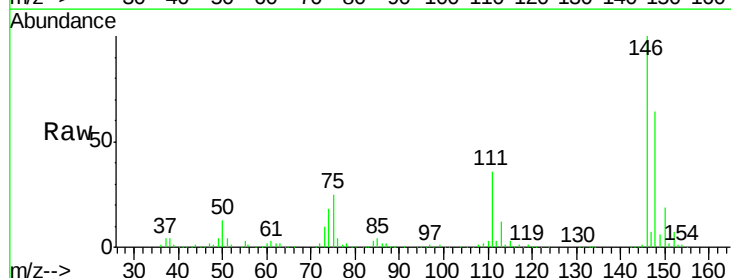
RT: 12.10 min Scan# 1795

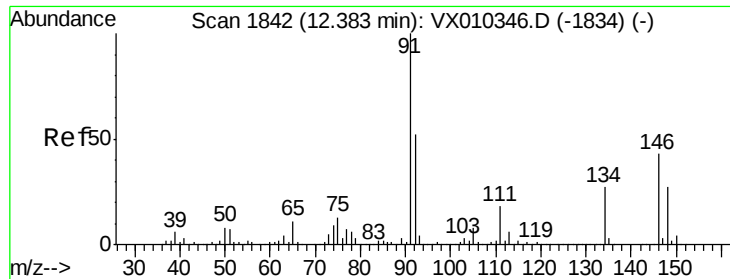
Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Tgt Ion:	146	Resp:	98344
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.1	54.3
148	65.4	32.1	96.3





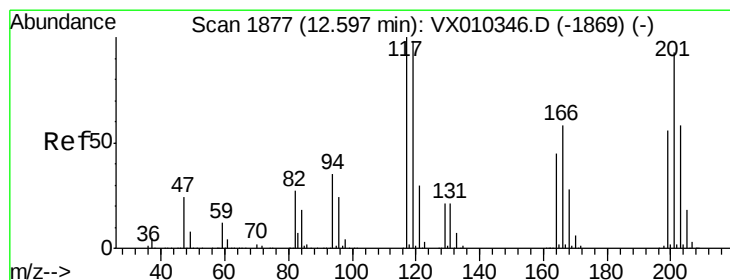
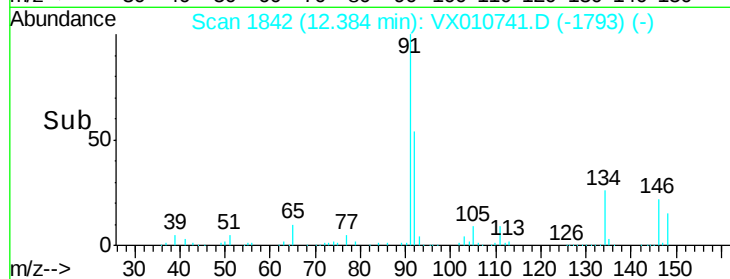
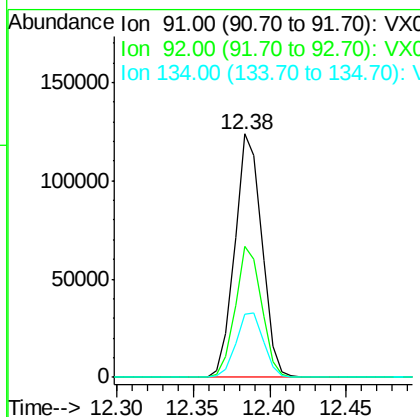
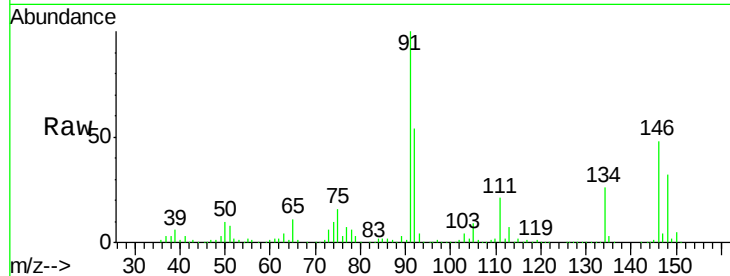
#89
n-Butylbenzene
Concen: 18.764 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.2	78.5
134	27.4	14.1	42.4

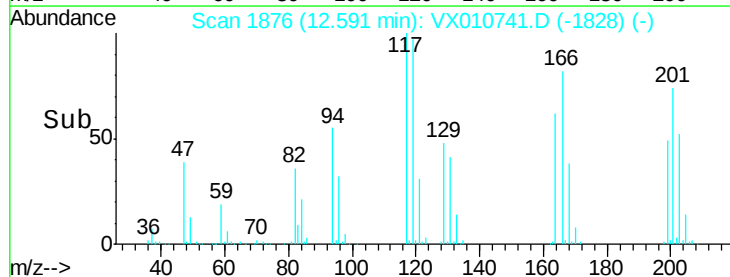
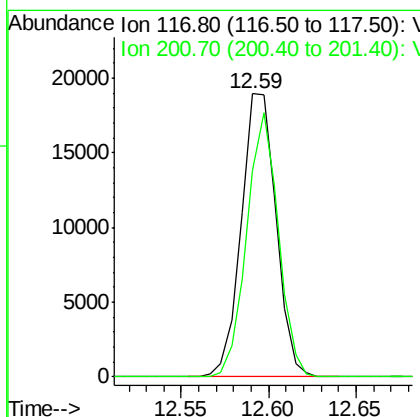
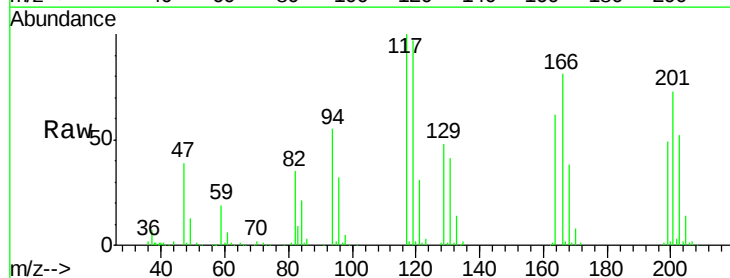
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#90
Hexachloroethane
Concen: 16.016 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010741.D
Acq: 09 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.5	44.0	131.8





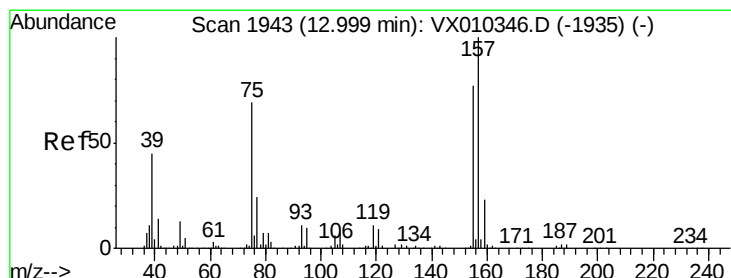
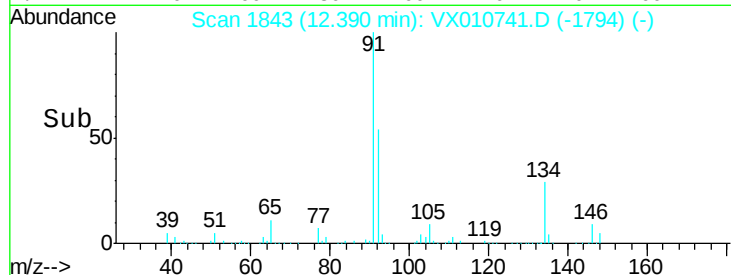
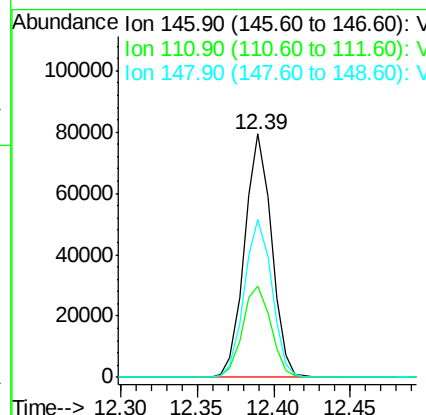
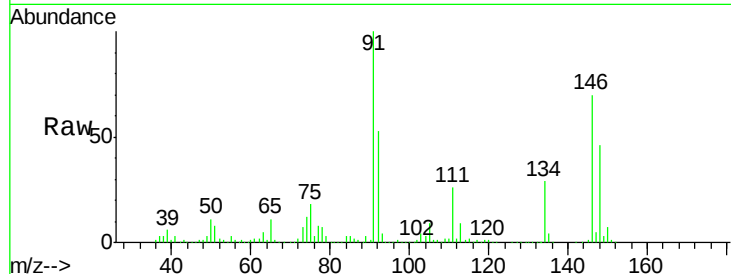
#91
 1,2-Dichlorobenzene
 Concen: 19.109 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010741.D
 Acq: 09 Jul 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	97557		
111	39.2	19.2	57.6	
148	66.0	32.0	96.0	

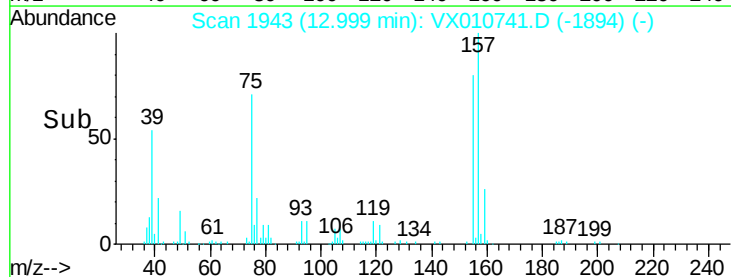
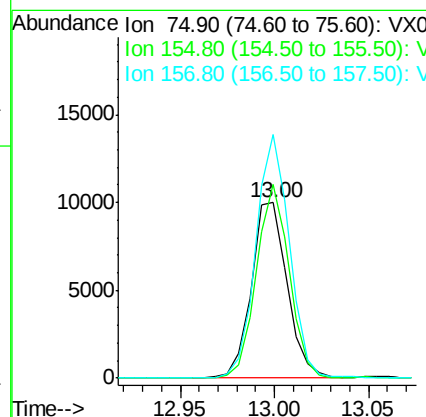
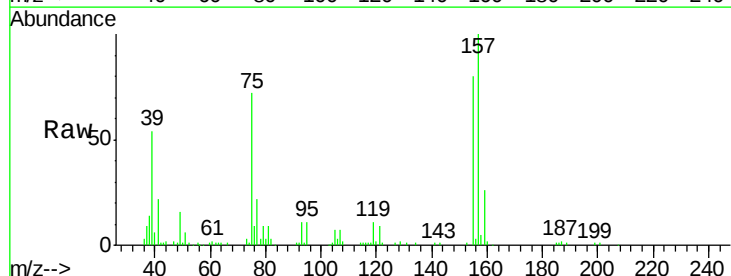
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.453 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010741.D
 Acq: 09 Jul 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13133		
155	100.5	54.4	163.1	
157	129.7	69.5	208.3	





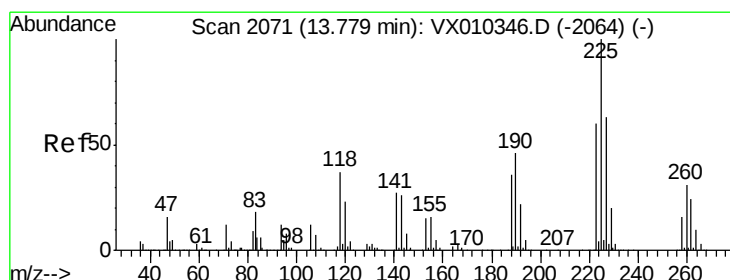
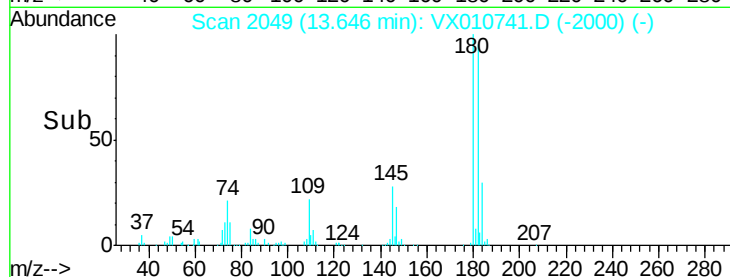
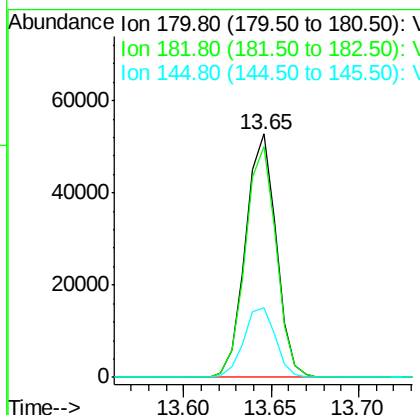
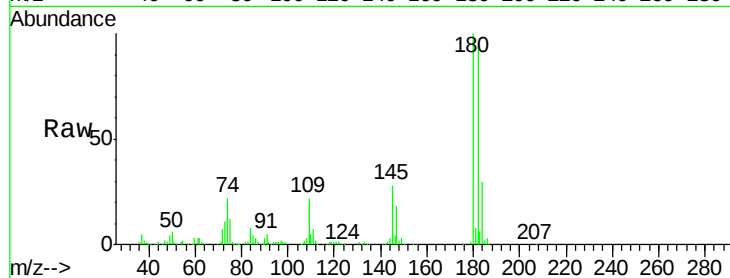
#93
 1,2,4-Trichlorobenzene
 Concen: 18.259 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010741.D
 Acq: 09 Jul 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	64646		
182	95.8	48.0	144.0	
145	29.8	14.4	43.4	

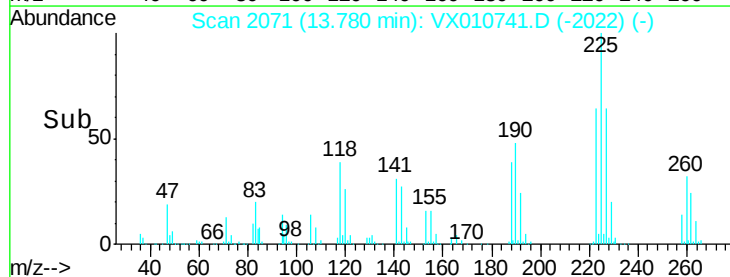
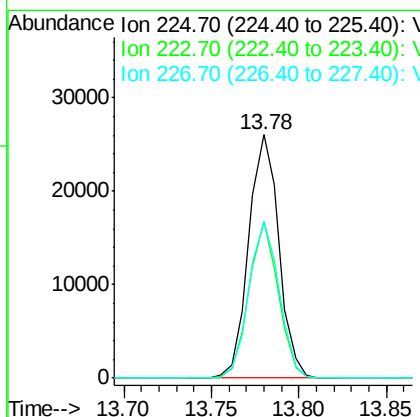
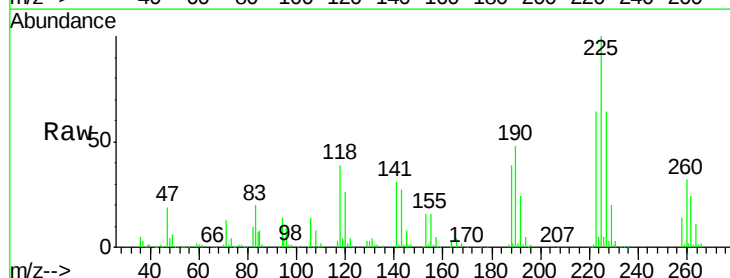
Manual Integrations
 APPROVED

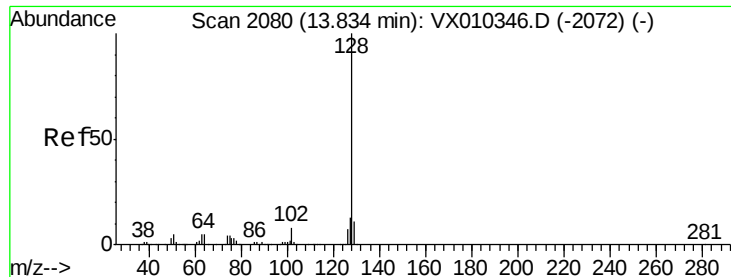
MMDadoda
 7/10/2019 10:19:34 AM



#94
 Hexachlorobutadiene
 Concen: 18.016 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010741.D
 Acq: 09 Jul 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	31173		
223	62.4	30.9	92.7	
227	64.6	31.9	95.5	





#95

Naphthalene

Concen: 18.259 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_X

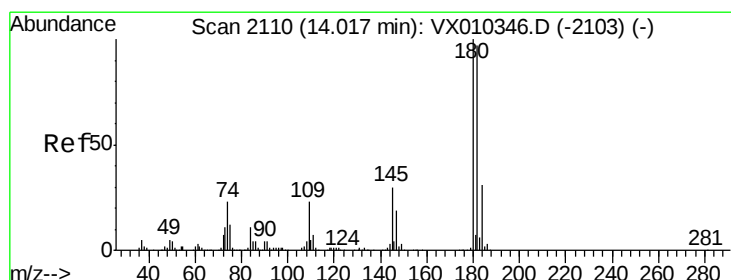
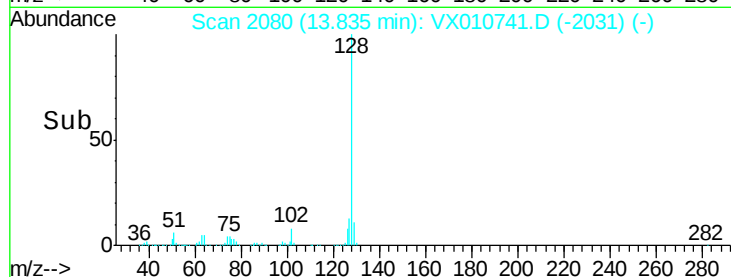
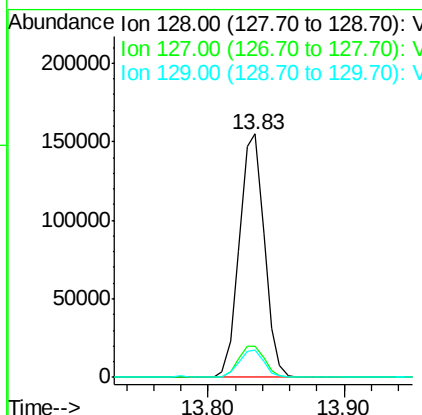
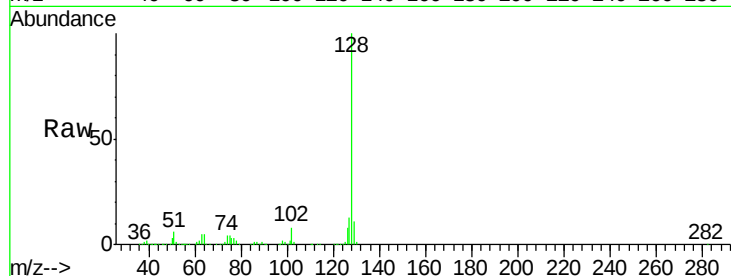
ClientSampleId :

VX0709WBS01

Tot Ion:	128	Resp:	198651
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.2	15.4
129	11.3	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/10/2019 10:19:34 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.730 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010741.D

Acq: 09 Jul 2019 11:30

Tgt Ion:	180	Resp:	65930
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.8	143.3
145	30.7	15.2	45.6

