

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070219\
 Data File : VX010608.D
 Acq On : 02 Jul 2019 11:44
 Operator : JC/SP
 Sample : VX0702WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 9:29:38 AM

Quant Time: Jul 03 02:17:42 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	238200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	353698	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	314598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157664	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	109187	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
35) Dibromofluoromethane	5.50	113	106637	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
50) Toluene-d8	8.71	98	393093	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
62) 4-Bromofluorobenzene	11.13	95	138138	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	27444	16.572	ug/l	99
3) Chloromethane	1.33	50	29700	15.402	ug/l	96
4) Vinyl Chloride	1.41	62	34788	16.471	ug/l	100
5) Bromomethane	1.64	94	23928	23.254	ug/l	99
6) Chloroethane	1.73	64	23833	19.126	ug/l	99
7) Trichlorofluoromethane	1.93	101	63082	18.840	ug/l	98
8) Diethyl Ether	2.19	74	23081	19.223	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	37326	18.396	ug/l	99
10) Methyl Iodide	2.51	142	44320	15.305	ug/l	96
11) Tert butyl alcohol	3.04	59	47814	81.818	ug/l	98
12) 1,1-Dichloroethene	2.37	96	37170	18.003	ug/l	94
13) Acrolein	2.29	56	45938	118.496	ug/l	100
14) Allyl chloride	2.73	41	53086	18.110	ug/l	98
15) Acrylonitrile	3.14	53	110398	95.414	ug/l	99
16) Acetone	2.44	43	102318	91.413	ug/l	95
17) Carbon Disulfide	2.57	76	79816	14.409	ug/l	99
18) Methyl Acetate	2.78	43	42327	18.974	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	124000	19.091	ug/l	100
20) Methylene Chloride	2.85	84	42803	18.582	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	39100	17.608	ug/l	100
22) Diisopropyl ether	3.85	45	118014	19.256	ug/l	99
23) Vinyl Acetate	3.81	43	506386	95.646	ug/l	98
24) 1,1-Dichloroethane	3.70	63	66894	18.883	ug/l	99
25) 2-Butanone	4.67	43	155225	94.542	ug/l	99
26) 2,2-Dichloropropane	4.58	77	55459	18.022	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	47885	18.661	ug/l	99
28) Bromochloromethane	5.01	49	31907	18.838	ug/l	95
29) Tetrahydrofuran	5.13	42	94868	93.284	ug/l	99
30) Chloroform	5.21	83	71784	18.833	ug/l	97
31) Cyclohexane	5.58	56	57469	17.815	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	61917	18.397	ug/l	99
36) 1,1-Dichloropropene	5.80	75	49517	17.617	ug/l	99
37) Ethyl Acetate	4.83	43	55455	19.179	ug/l	98
38) Carbon Tetrachloride	5.79	117	53785	17.672	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	64259	17.393	ug/l	99
40) Benzene	6.14	78	161296	18.420	ug/l	99
41) Methacrylonitrile	5.04	41	29579	18.644	ug/l	98
42) 1,2-Dichloroethane	6.20	62	53662	20.132	ug/l	98
43) Isopropyl Acetate	6.45	43	89744	18.759	ug/l	99
44) Trichloroethene	7.21	130	47937	18.295	ug/l	96
45) 1,2-Dichloropropane	7.51	63	42473	19.207	ug/l	97
46) Dibromomethane	7.66	93	29482	18.583	ug/l	98
47) Bromodichloromethane	7.90	83	53051	18.246	ug/l	99
48) Methyl methacrylate	7.77	41	41849	18.820	ug/l	99
49) 1,4-Dioxane	7.74	88	23475	366.467	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	296653	96.957	ug/l	99
52) Toluene	8.78	92	106193	18.415	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	56024	17.187	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	63757	17.998	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	45570	19.161	ug/l	97
56) Ethyl methacrylate	9.18	69	65401	18.153	ug/l	97
57) 1,3-Dichloropropane	9.37	76	70631	19.132	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	162797	95.146	ug/l	100
59) 2-Hexanone	9.49	43	229957	95.495	ug/l	98
60) Dibromochloromethane	9.58	129	45539	17.102	ug/l	100
61) 1,2-Dibromoethane	9.67	107	47960	18.683	ug/l	98
64) Tetrachloroethene	9.34	164	46805	18.394	ug/l	96
65) Chlorobenzene	10.14	112	119856	18.766	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	43530	18.711	ug/l	100
67) Ethyl Benzene	10.25	91	201889	18.724	ug/l	99
68) m/p-Xylenes	10.36	106	155027	37.106	ug/l	99
69) o-Xylene	10.69	106	76615	18.647	ug/l	99
70) Styrene	10.71	104	127115	18.448	ug/l	98
71) Bromoform	10.85	173	33126	16.374	ug/l #	100
73) Isopropylbenzene	11.02	105	203832	19.072	ug/l	99
74) N-amyl acetate	10.90	43	77094	19.087	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	70815	20.007	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	57415m	19.984	ug/l	
77) Bromobenzene	11.26	156	54983	18.424	ug/l	98
78) n-propylbenzene	11.36	91	221486	18.856	ug/l	100
79) 2-Chlorotoluene	11.42	91	131309	18.773	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	165103	18.739	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19073	15.487	ug/l	90
82) 4-Chlorotoluene	11.51	91	152676	19.183	ug/l	100
83) tert-Butylbenzene	11.77	119	167240	18.912	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	165934	18.745	ug/l	99
85) sec-Butylbenzene	11.94	105	197457	19.017	ug/l	99
86) p-Isopropyltoluene	12.06	119	175738	18.298	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	96463	18.517	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	96705	18.235	ug/l	99
89) n-Butylbenzene	12.38	91	149692	18.342	ug/l	99
90) Hexachloroethane	12.59	117	27871	16.783	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	97162	18.767	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13143	17.223	ug/l	93

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ClientSampleId :
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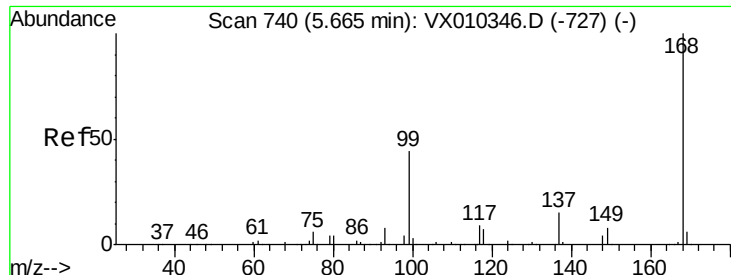
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	64549	17.978	ug/l	99
94) Hexachlorobutadiene	13.78	225	31506	17.955	ug/l	98
95) Naphthalene	13.83	128	199313	18.064	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	66082	18.511	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0702WBS01

Tot Ion:168 Resp: 238200

Ion Ratio Lower Upper

168 100

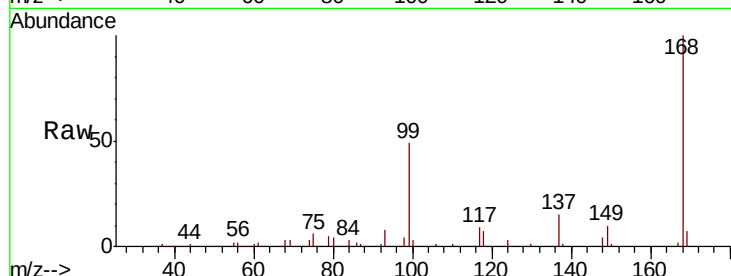
99 49.0 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

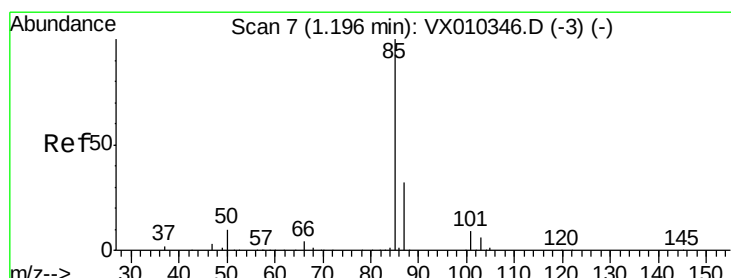
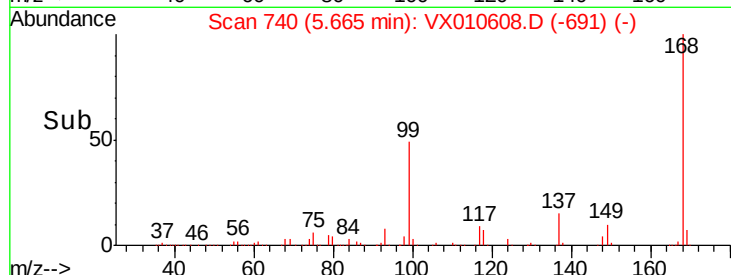
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.572 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010608.D

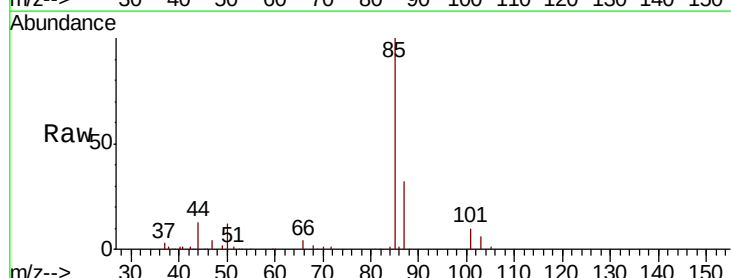
Acq: 02 Jul 2019 11:44

Tgt Ion: 85 Resp: 27444

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

30000

25000

20000

15000

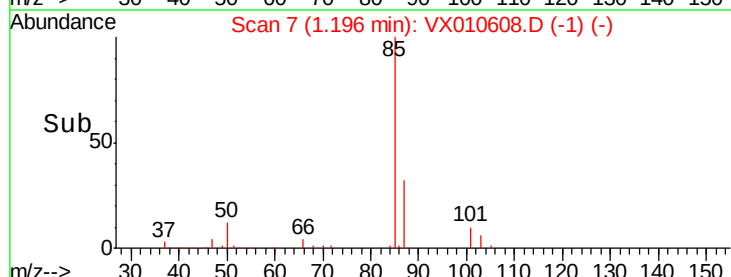
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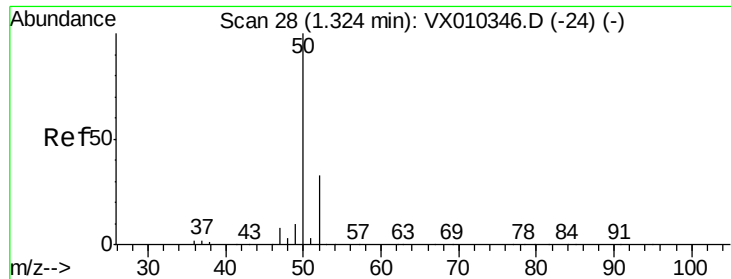
5000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 15.402 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0702WBS01

Tot Ion: 50 Resp: 29700

Ion Ratio Lower Upper

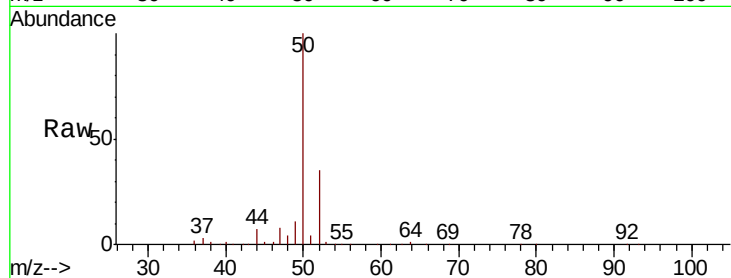
50 100

52 35.2 26.5 39.7

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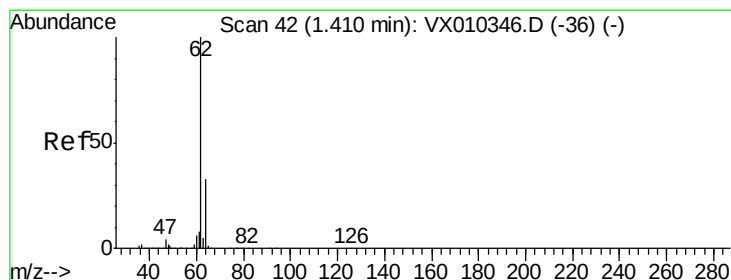
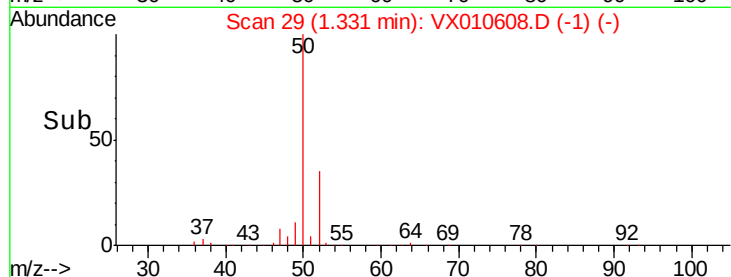
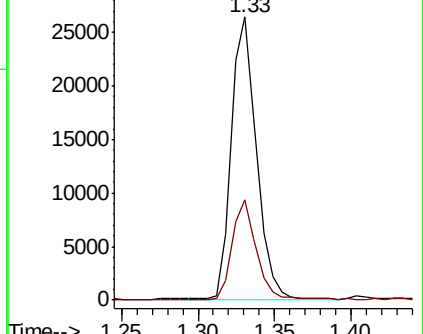
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.471 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010608.D

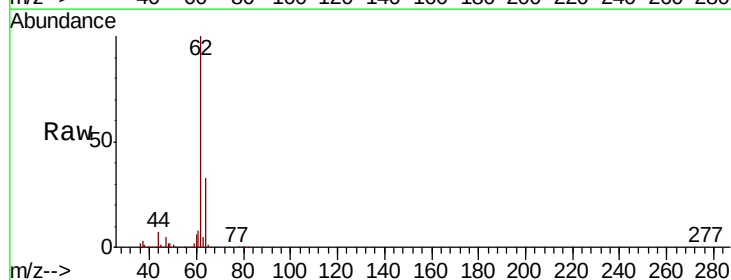
Acq: 02 Jul 2019 11:44

Tgt Ion: 62 Resp: 34788

Ion Ratio Lower Upper

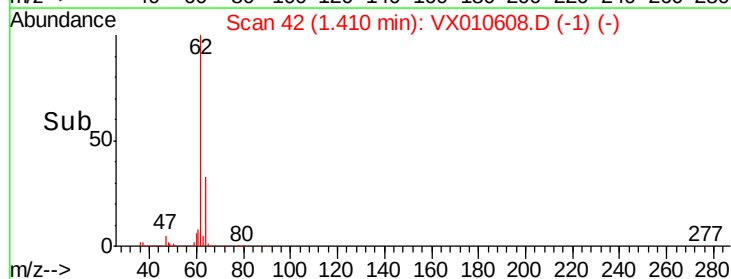
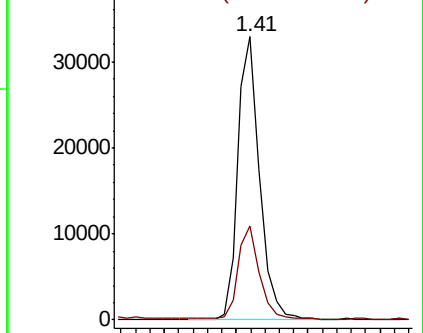
62 100

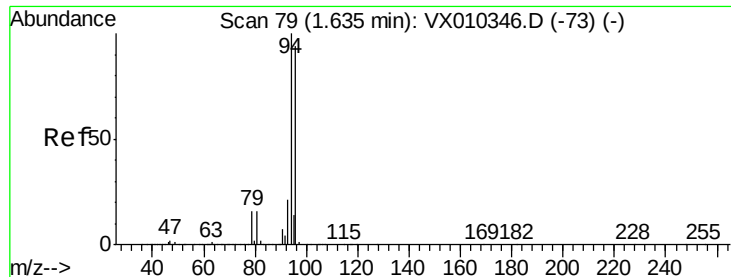
64 33.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.254 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0702WBS01

Tot Ion: 94 Resp: 23928

Ion Ratio Lower Upper

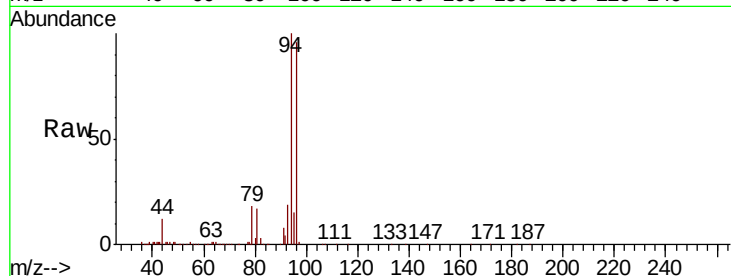
94 100

96 95.8 75.5 113.3

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

25000

20000

15000

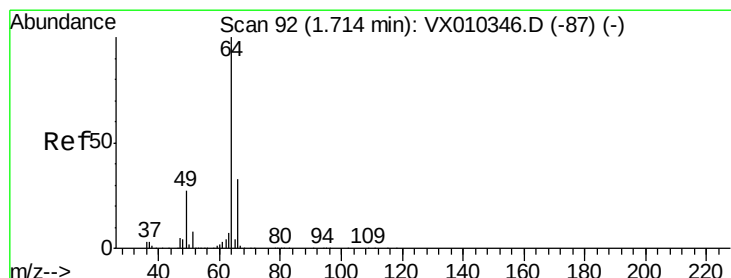
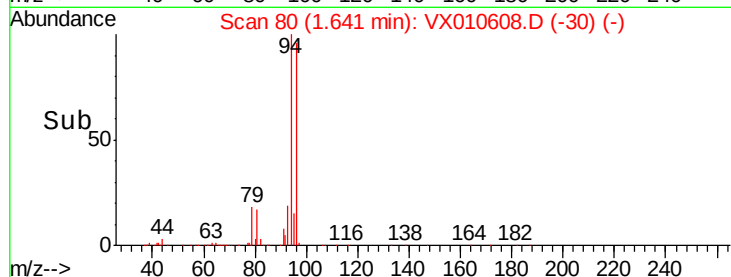
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5000

0

1.55 1.60 1.65 1.70 1.75

Time-->



#6

Chloroethane

Concen: 19.126 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX010608.D

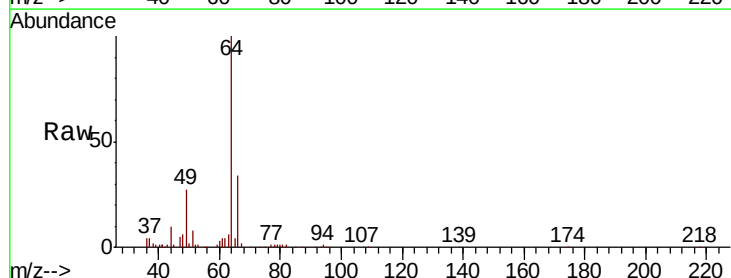
Acq: 02 Jul 2019 11:44

Tgt Ion: 64 Resp: 23833

Ion Ratio Lower Upper

64 100

66 33.8 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

15000

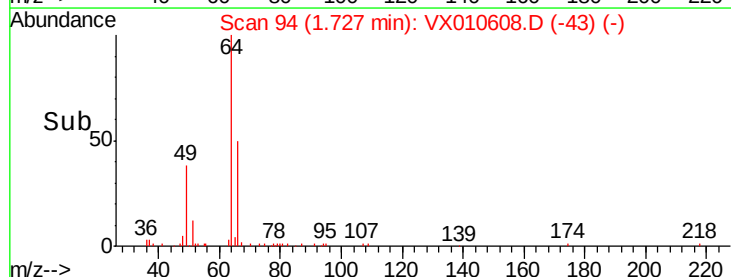
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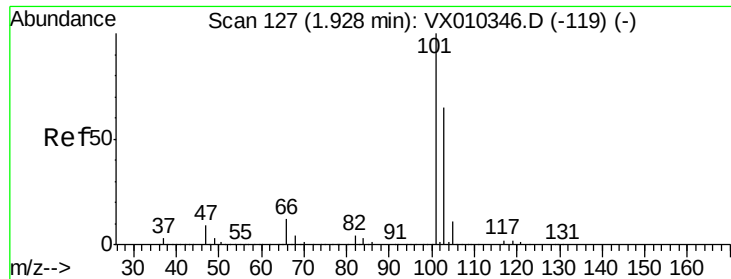
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0

1.65 1.70 1.75 1.80

Time-->





#7

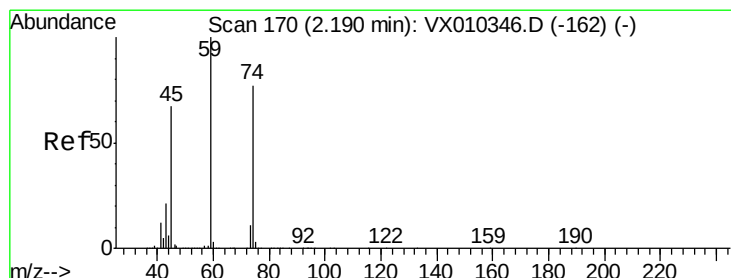
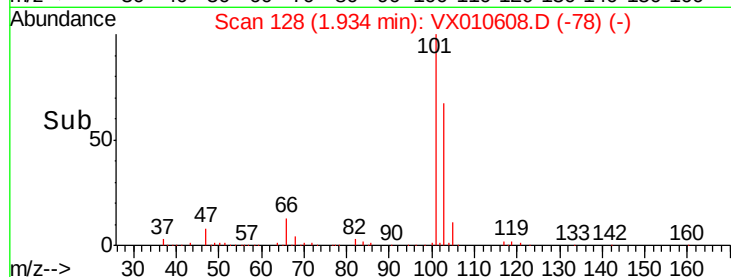
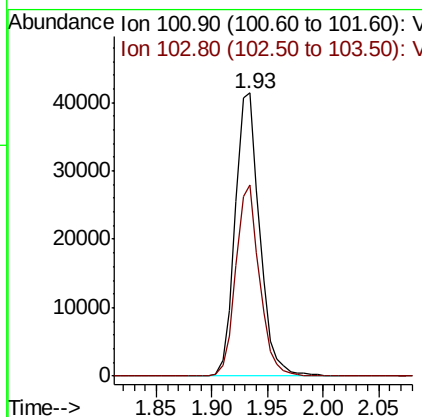
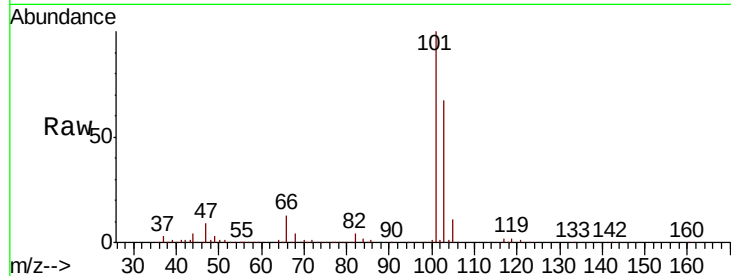
Trichlorofluoromethane
Concen: 18.840 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

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ClientSampleId :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	52.3	78.5

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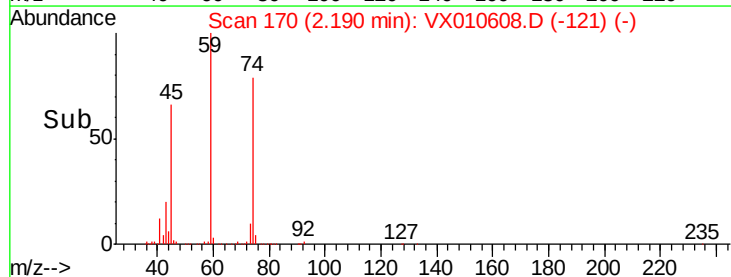
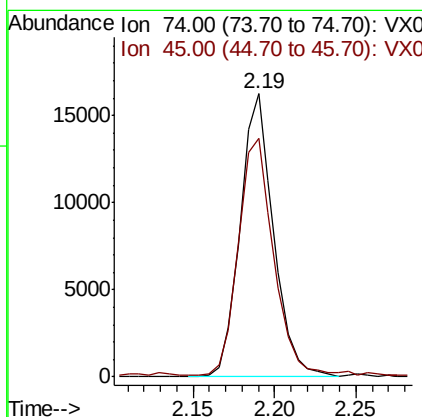
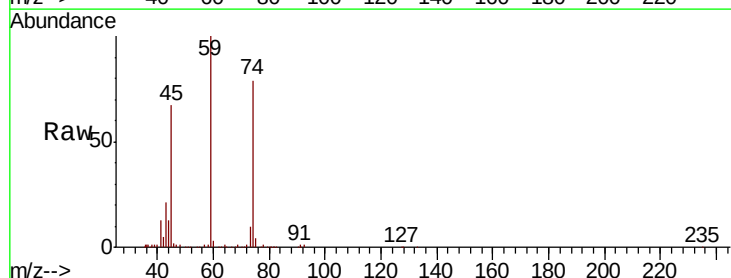
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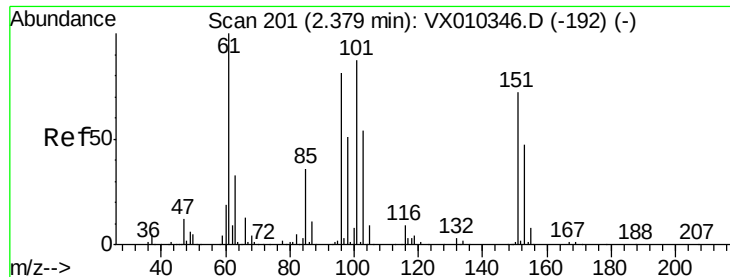


#8

Diethyl Ether
Concen: 19.223 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.0	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.396 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Instrument :

MSVOA_X

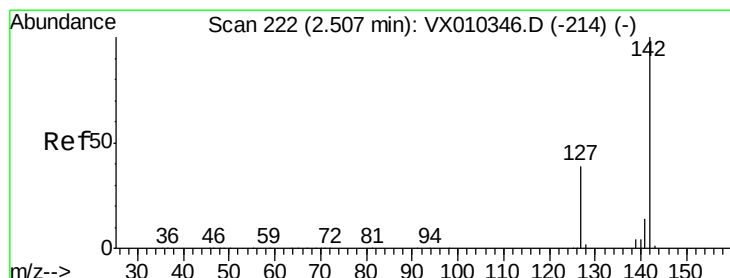
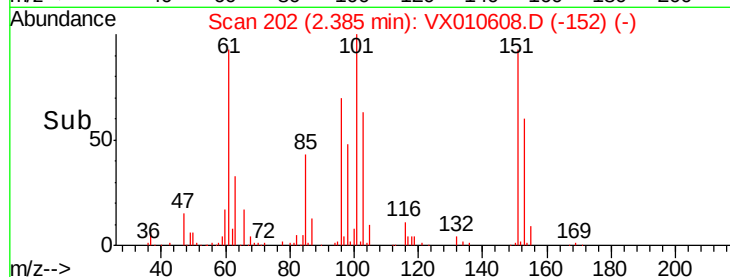
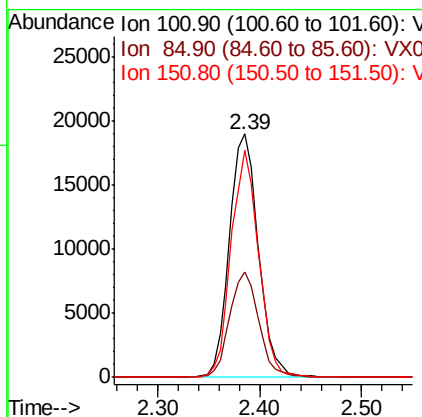
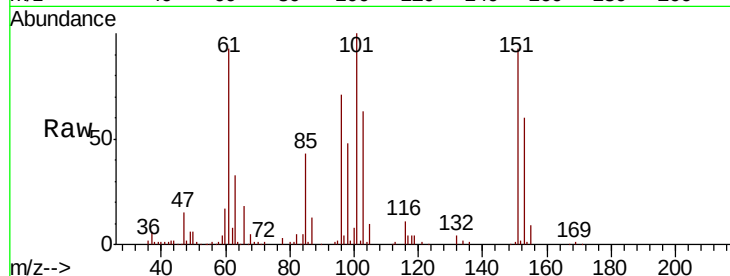
ClientSampled :

VX0702WBS01

Tot Ion:	101	Resp:	37326
Ion Ratio	Lower	Upper	
101	100		
85	43.4	33.7	50.5
151	87.9	70.1	105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 15.305 ug/l

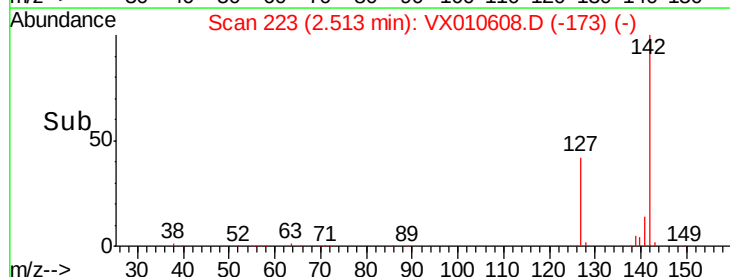
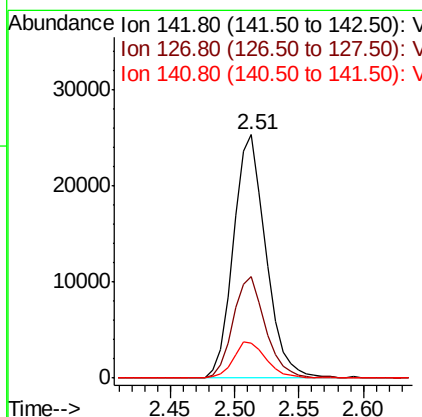
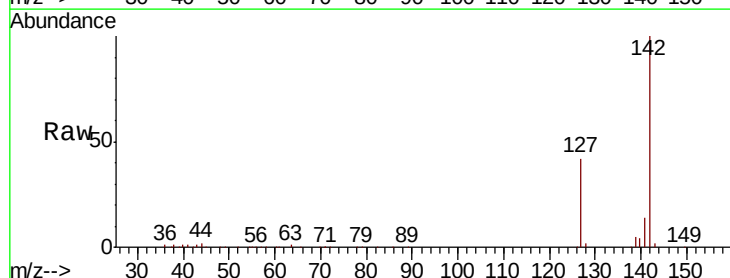
RT: 2.51 min Scan# 223

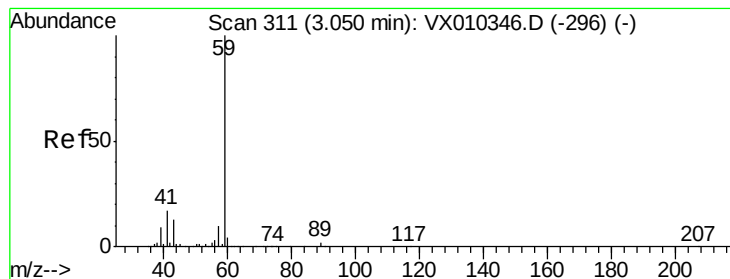
Delta R.T. 0.01 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Tgt Ion:	142	Resp:	44320
Ion Ratio	Lower	Upper	
142	100		
127	42.0	31.1	46.7
141	15.0	11.2	16.8





#11

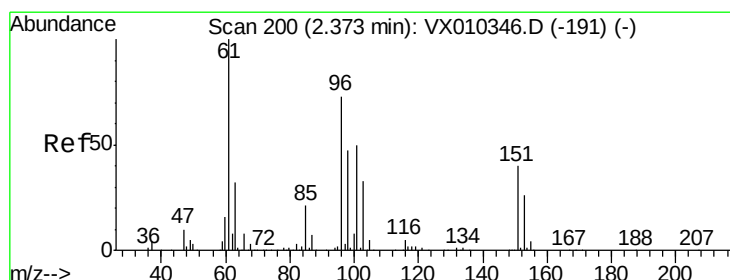
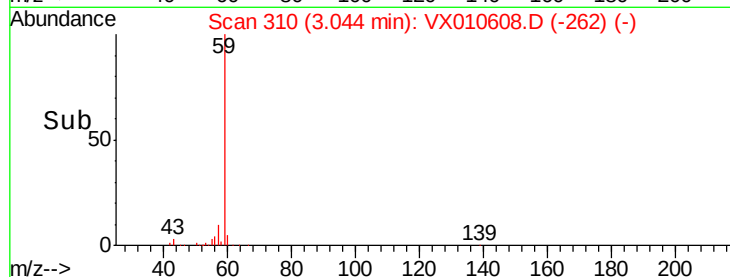
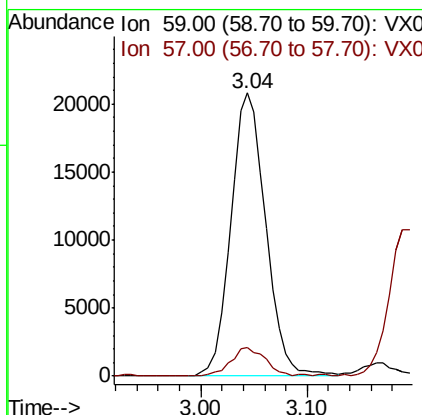
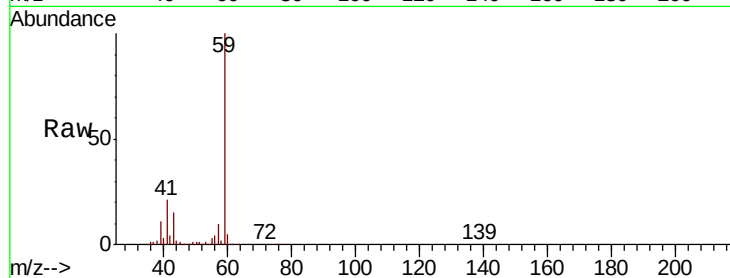
Tert butyl alcohol
 Concen: 81.818 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0702WBS01

Tot Ion	59	Resp	47814
Ion Ratio	100	Lower	Upper
57	10.2	7.7	11.5

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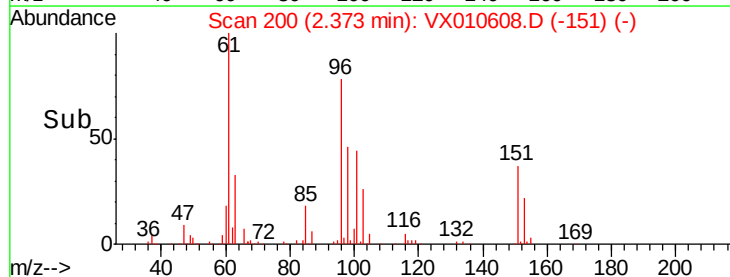
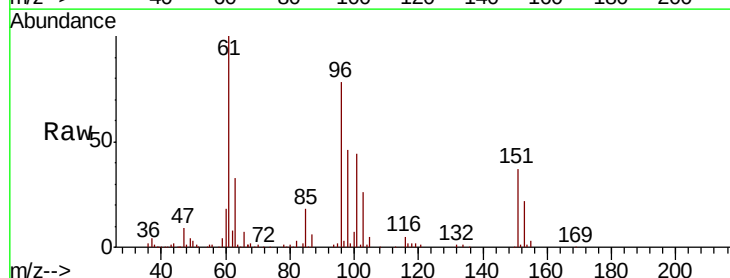
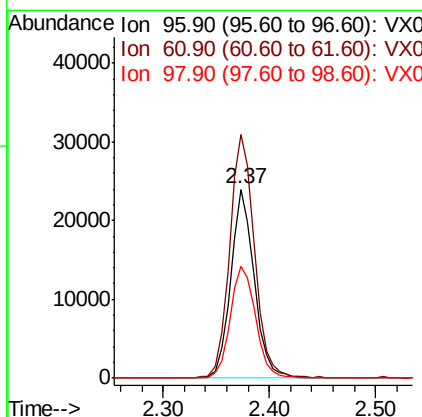
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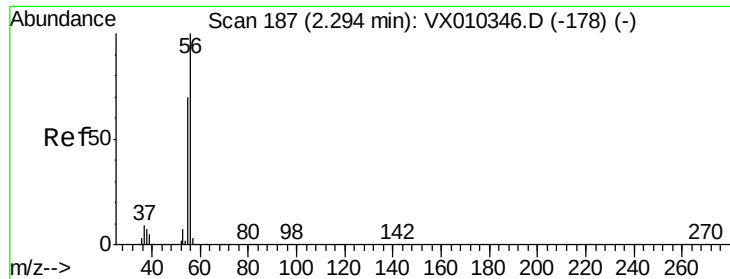


#12

1,1-Dichloroethene
 Concen: 18.003 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Tgt Ion	96	Resp	37170
Ion Ratio	100	Lower	Upper
61	128.7	109.2	163.8
98	59.3	51.1	76.7





#13

Acrolein

Concen: 118.496 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0702WBS01

Tot Ion: 56 Resp: 45938

Ion Ratio Lower Upper

56 100

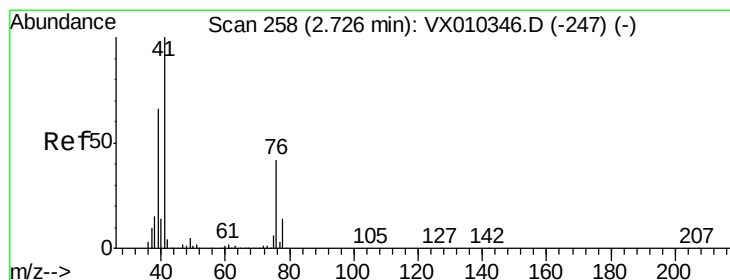
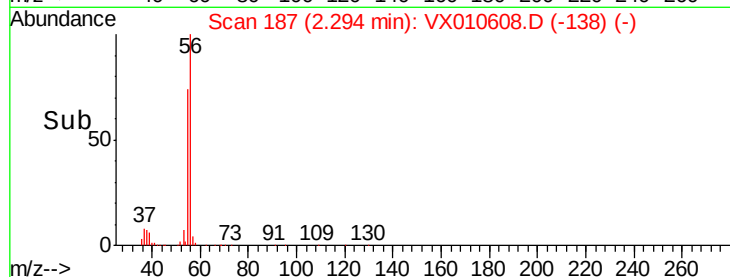
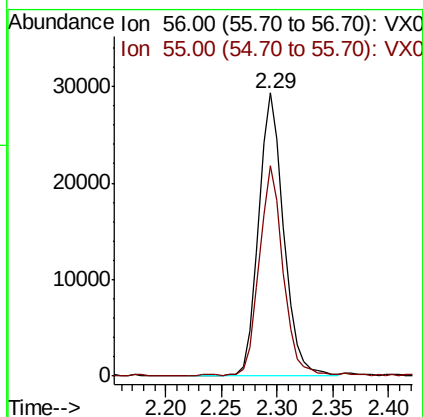
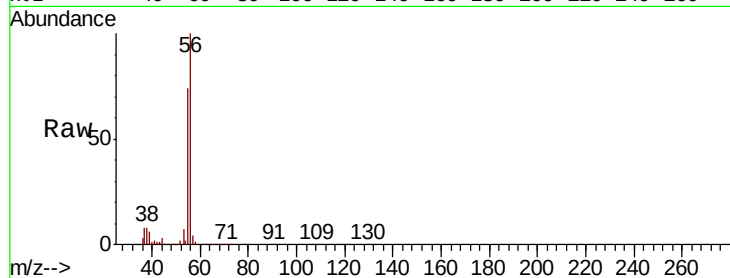
55 71.0 56.9 85.3

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#14

Allyl chloride

Concen: 18.110 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

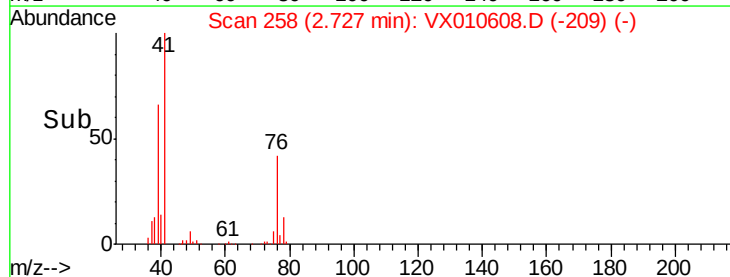
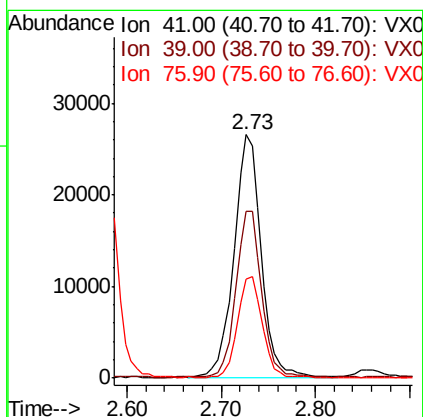
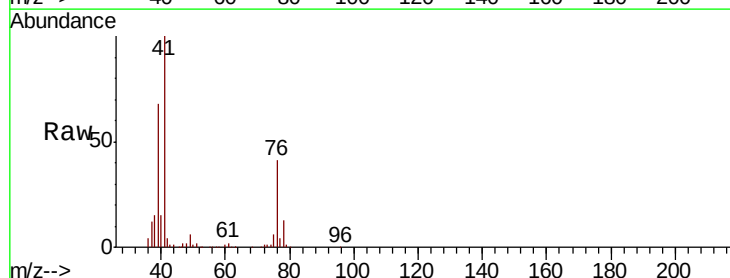
Tgt Ion: 41 Resp: 53086

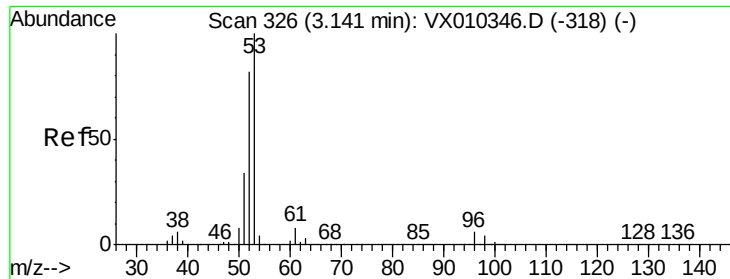
Ion Ratio Lower Upper

41 100

39 64.4 50.3 75.5

76 38.4 31.3 46.9





#15

Acrylonitrile

Concen: 95.414 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Instrument :

MSVOA_X

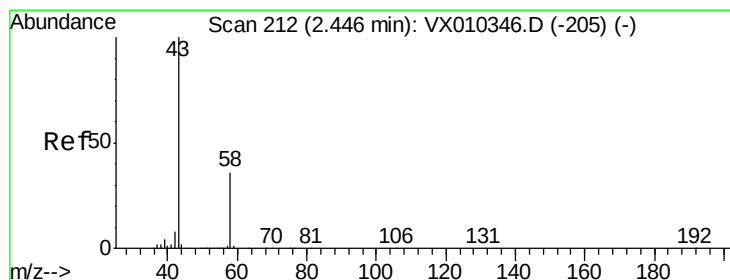
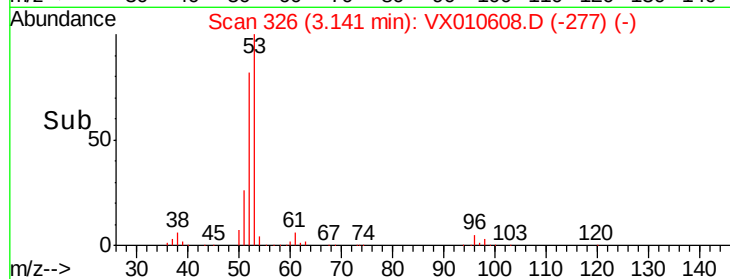
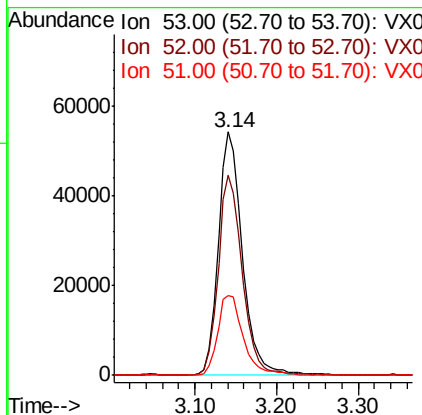
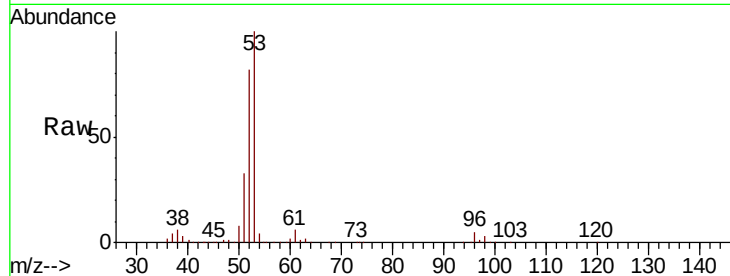
ClientSampleId :

VX0702WBS01

Tot Ion:	53	Resp:	110398
Ion Ratio		Lower	Upper
53	100		
52	82.6	65.5	98.3
51	35.1	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 91.413 ug/l

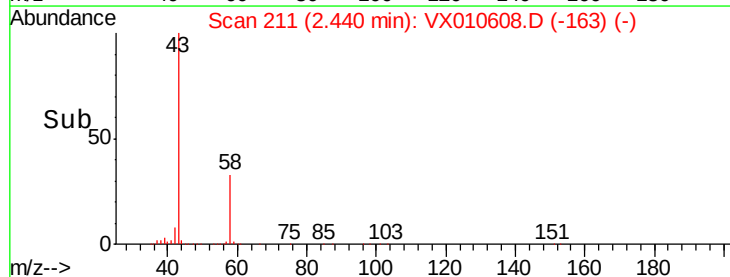
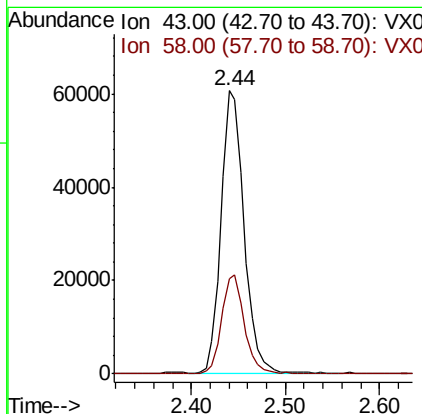
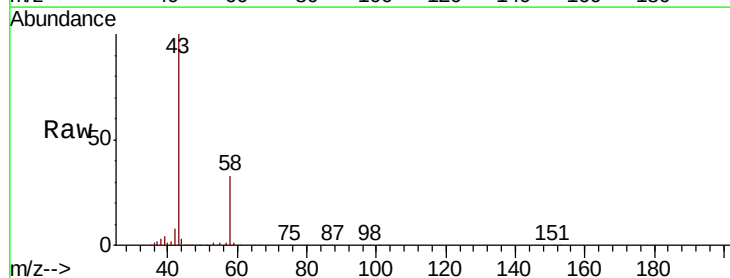
RT: 2.44 min Scan# 211

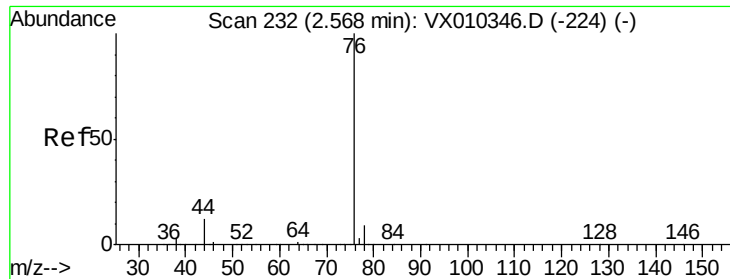
Delta R.T. -0.01 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Tgt Ion:	43	Resp:	102318
Ion Ratio		Lower	Upper
43	100		
58	33.4	28.9	43.3





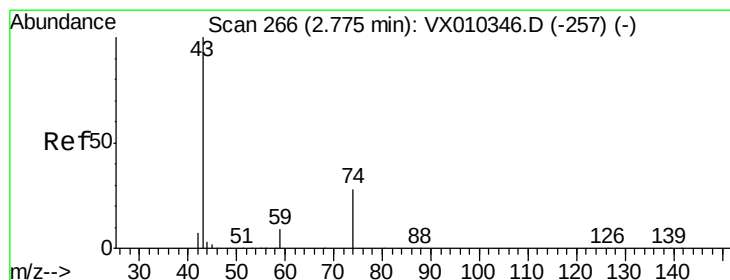
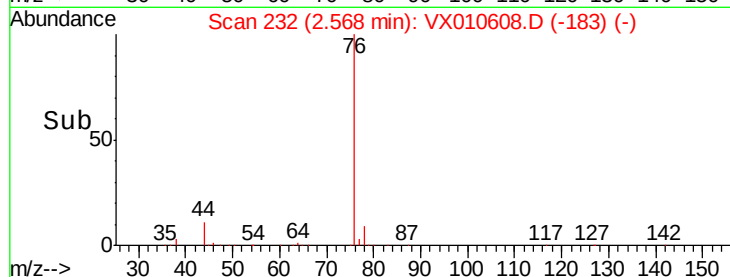
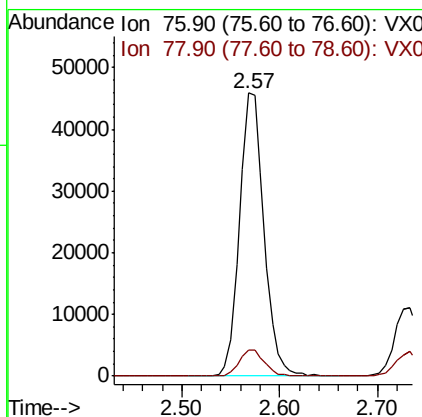
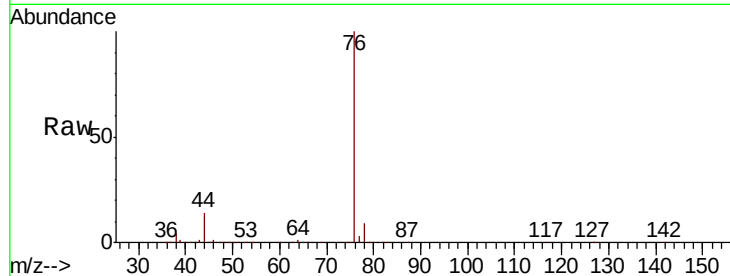
#17
Carbon Disulfide
Concen: 14.409 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

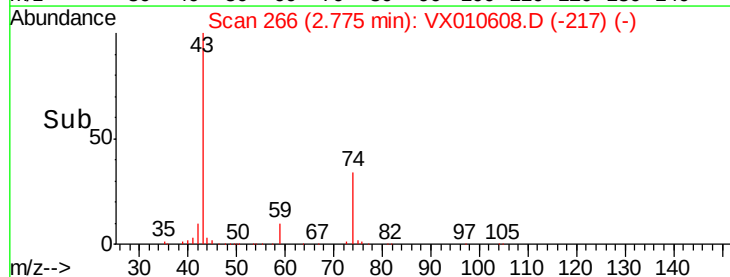
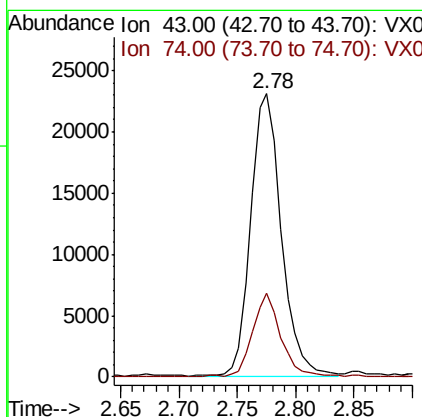
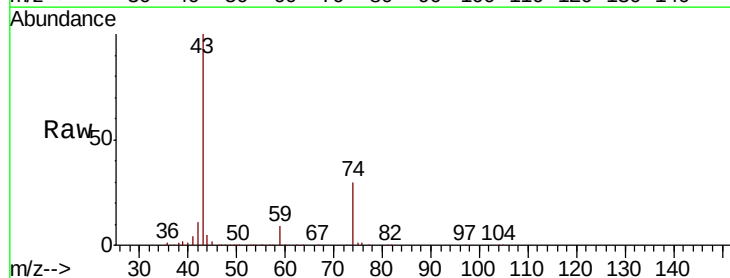
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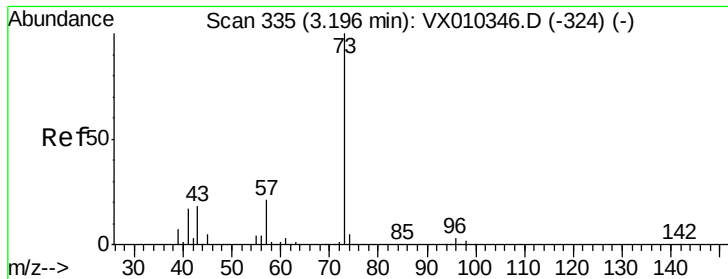
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#18
Methyl Acetate
Concen: 18.974 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.9	21.3	31.9





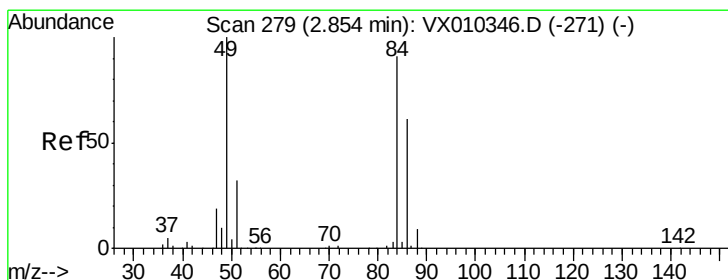
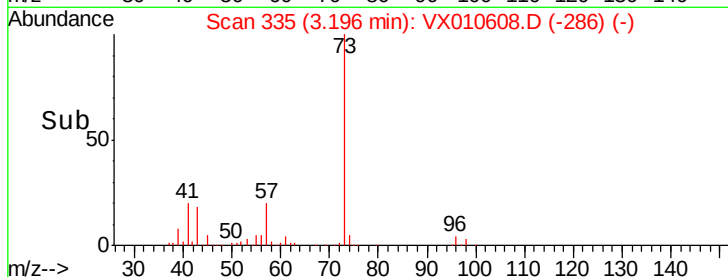
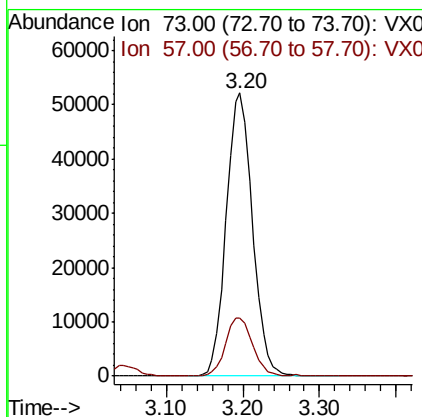
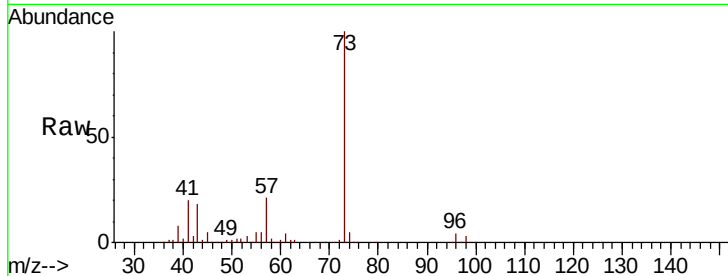
#19
Methvl tert-butyl Ether
Concen: 19.091 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

Tot Ion: 73 Resp: 124000
Ion Ratio Lower Upper
73 100
57 20.5 16.4 24.6

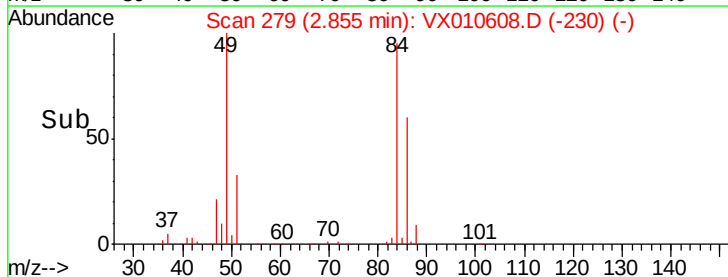
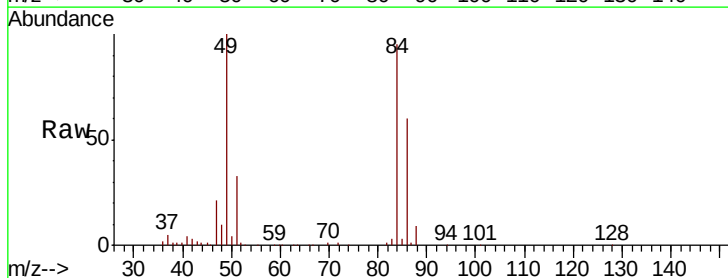
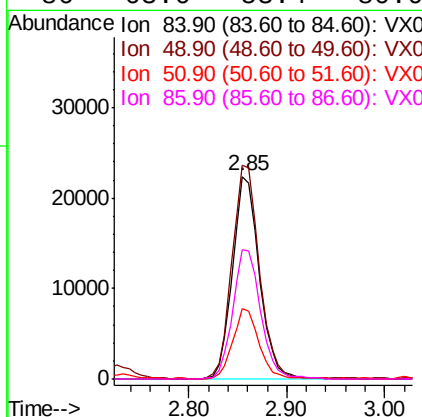
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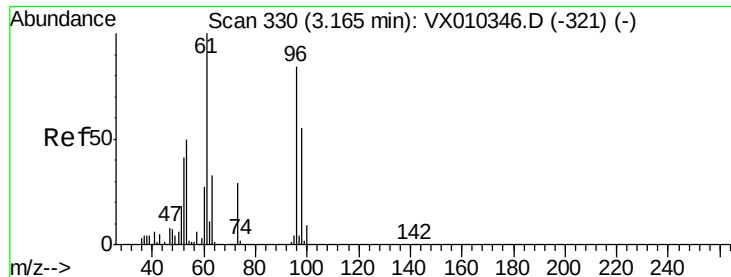
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#20
Methylene Chloride
Concen: 18.582 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion: 84 Resp: 42803
Ion Ratio Lower Upper
84 100
49 105.1 87.5 131.3
51 34.2 27.7 41.5
86 63.6 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 17.608 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Instrument :

MSVOA_X

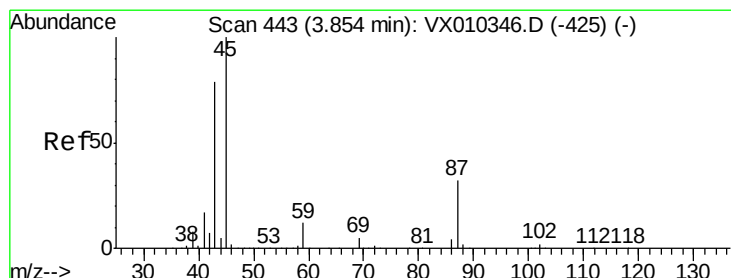
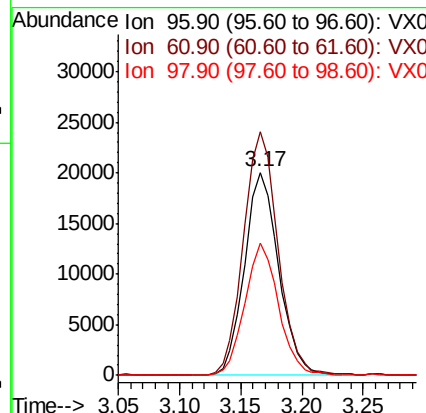
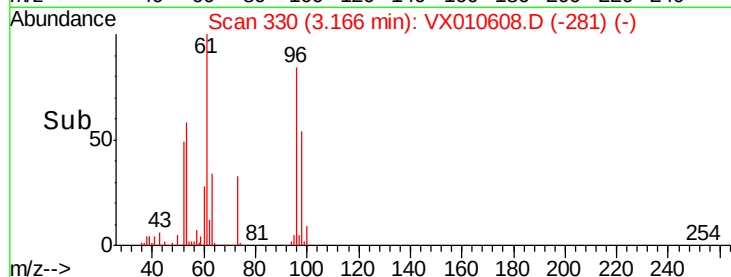
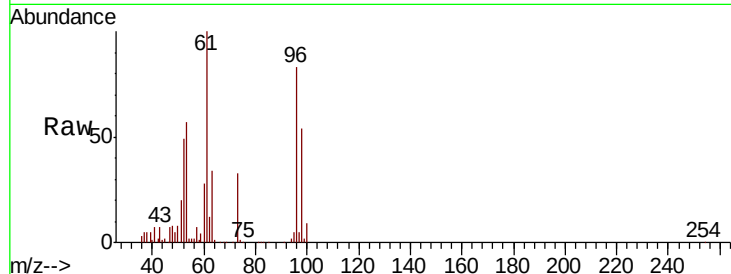
ClientSampleId :

VX0702WBS01

Tot Ion:	96	Resp:	39100
Ion	Ratio	Lower	Upper
96	100		
61	119.8	95.6	143.4
98	64.9	52.5	78.7

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#22

Diisopropyl ether

Concen: 19.256 ug/l

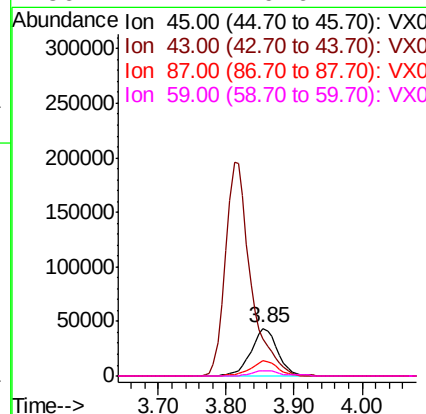
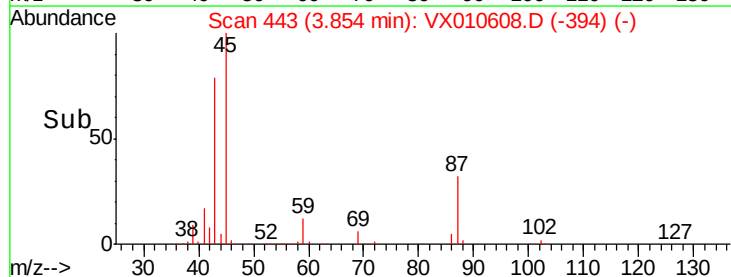
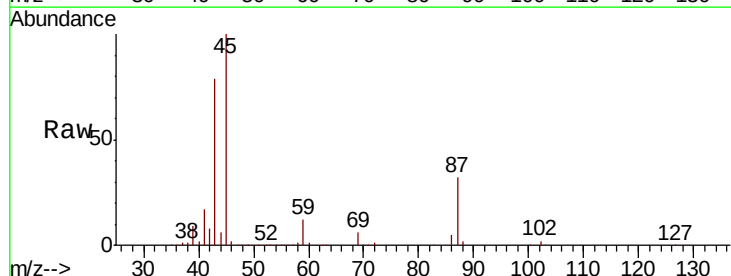
RT: 3.85 min Scan# 443

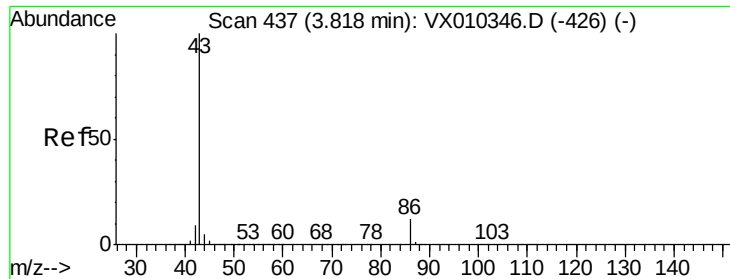
Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Tgt Ion:	45	Resp:	118014
Ion	Ratio	Lower	Upper
45	100		
43	78.6	63.3	94.9
87	31.6	25.8	38.8
59	12.2	9.6	14.4





#23

Vinyl Acetate

Concen: 95.646 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0702WBS01

Tot Ion: 43 Resp: 506386

Ion Ratio Lower Upper

43 100

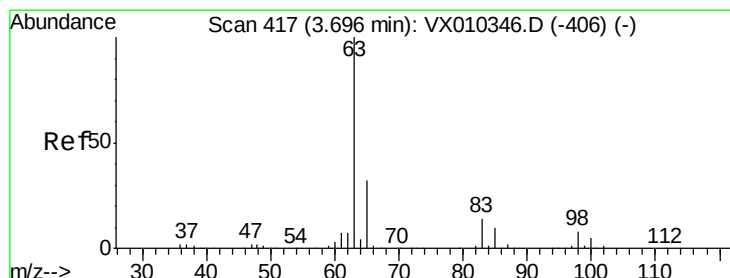
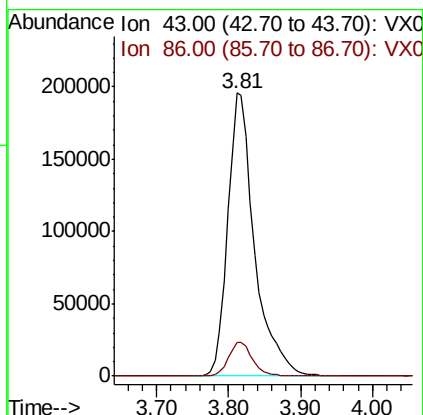
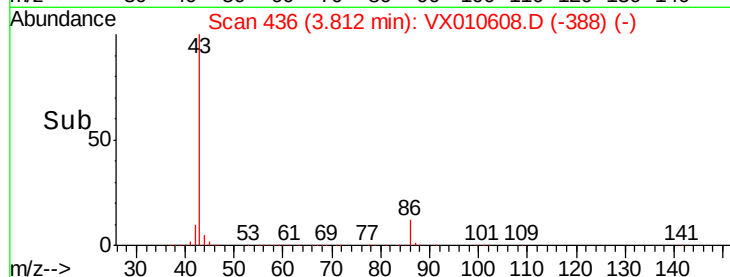
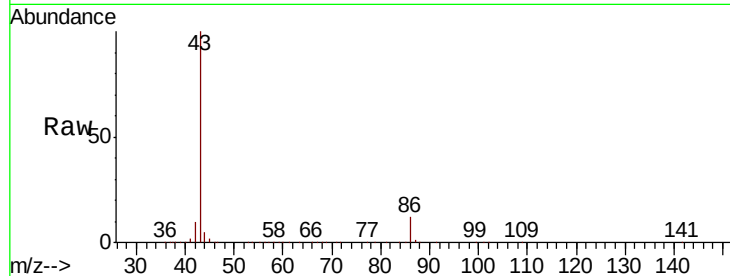
86 11.7 9.9 14.9

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#24

1,1-Dichloroethane

Concen: 18.883 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

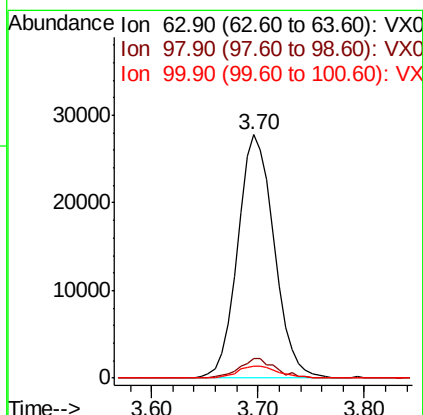
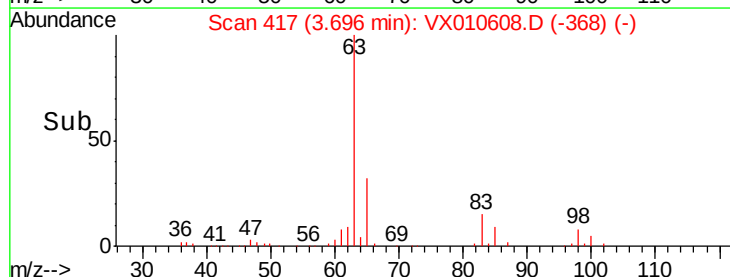
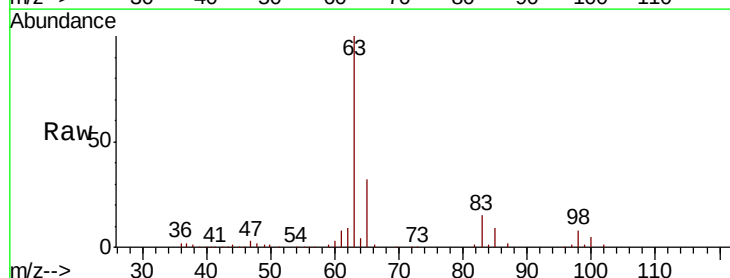
Tgt Ion: 63 Resp: 66894

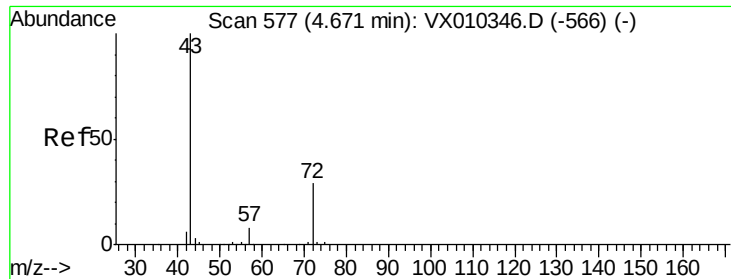
Ion Ratio Lower Upper

63 100

98 8.2 3.9 11.7

100 5.0 2.4 7.1





#25

2-Butanone

Concen: 94.542 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Tot Ion: 43 Resp: 155225

Ion Ratio Lower Upper

43 100

72 29.5 23.3 34.9

Instrument :

MSVOA_X

ClientSampleId :

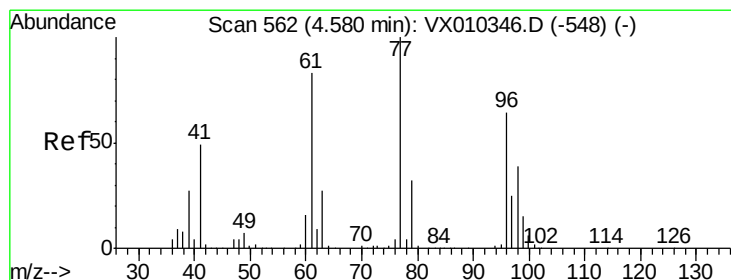
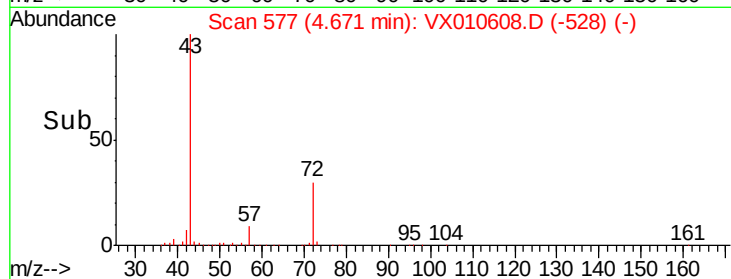
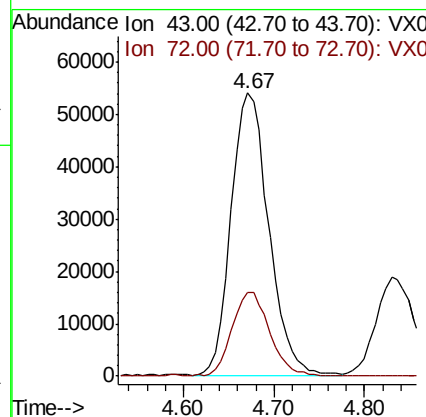
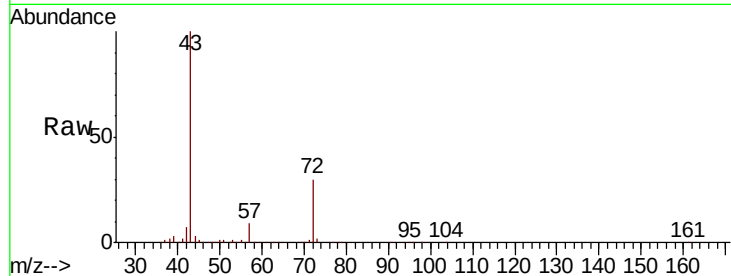
VX0702WBS01

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#26

2,2-Dichloropropane

Concen: 18.022 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010608.D

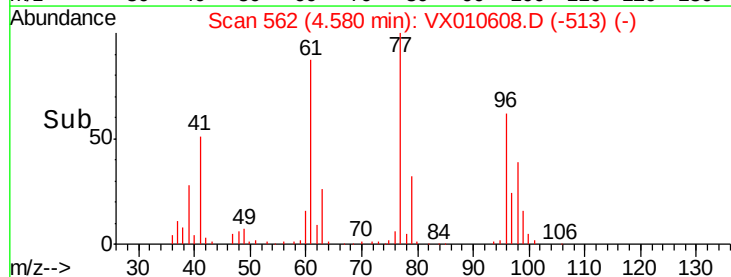
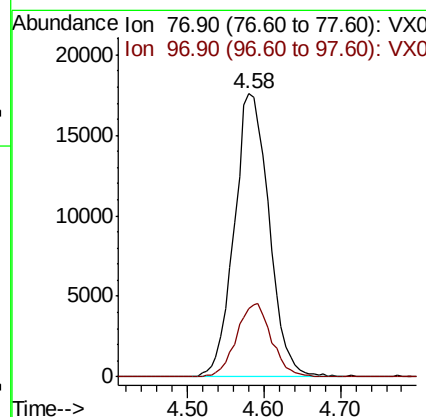
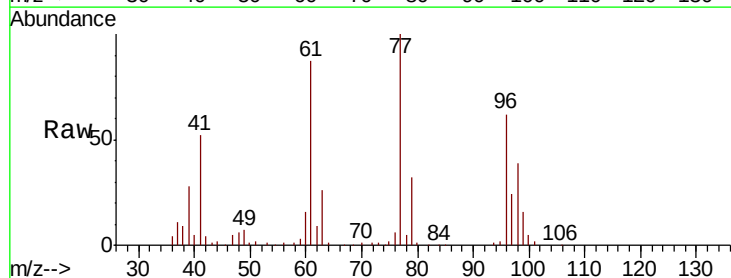
Acq: 02 Jul 2019 11:44

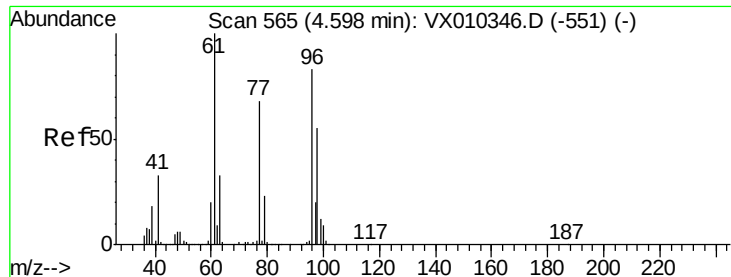
Tgt Ion: 77 Resp: 55459

Ion Ratio Lower Upper

77 100

97 26.2 13.1 39.3





#27

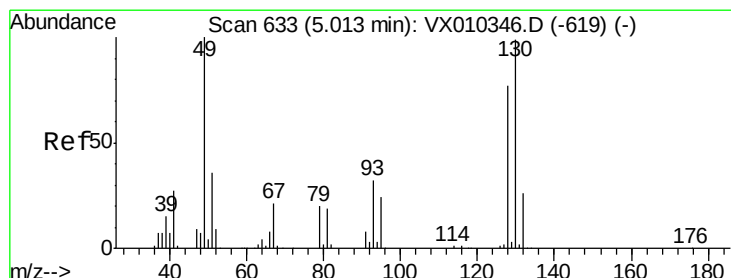
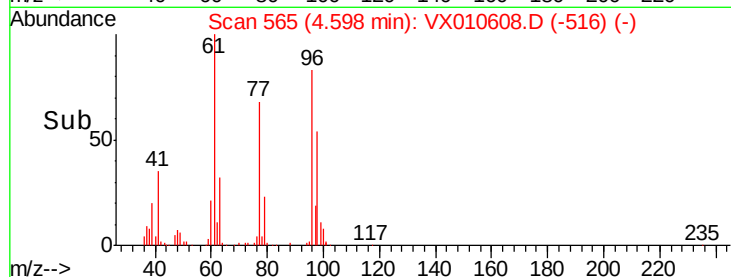
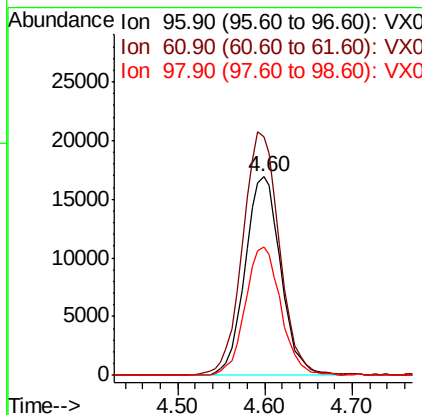
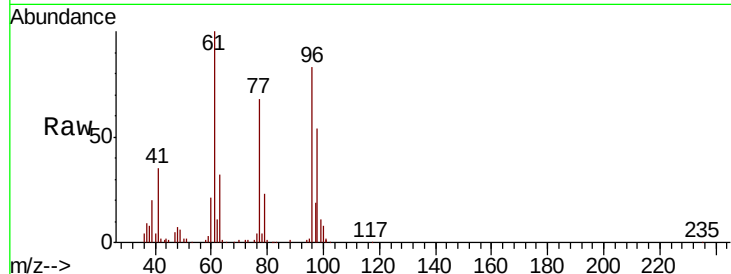
cis-1,2-Dichloroethene
 Concen: 18.661 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0702WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.6	0.0	251.8
98	64.5	0.0	129.4

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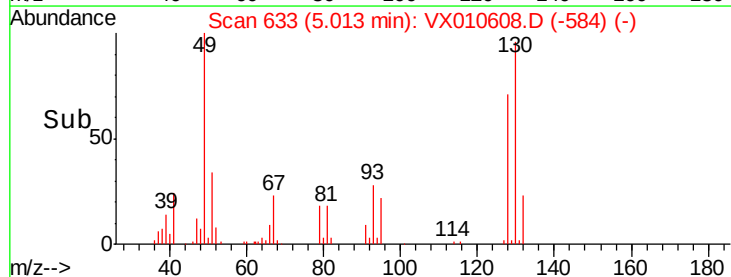
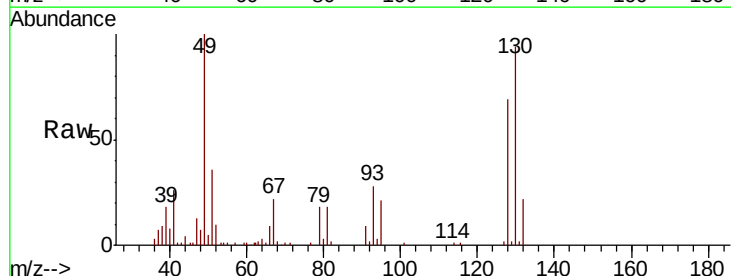
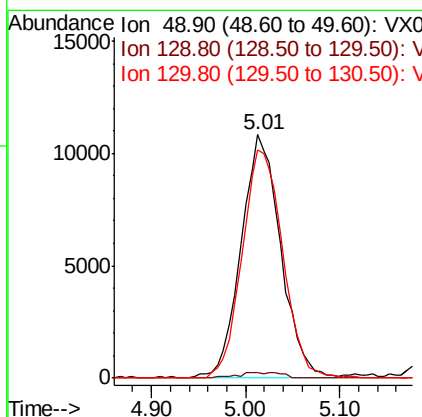
MMDadoda
 7/3/2019 9:29:38 AM

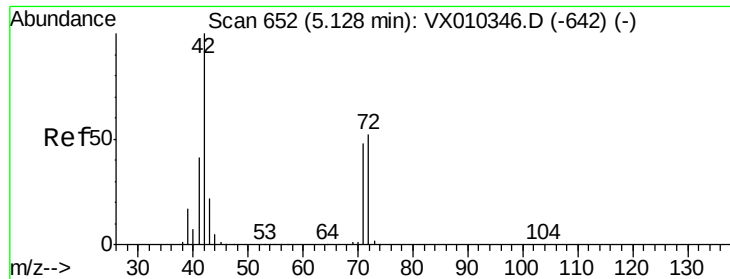


#28

Bromochloromethane
 Concen: 18.838 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.6
130	96.2	81.4	122.0





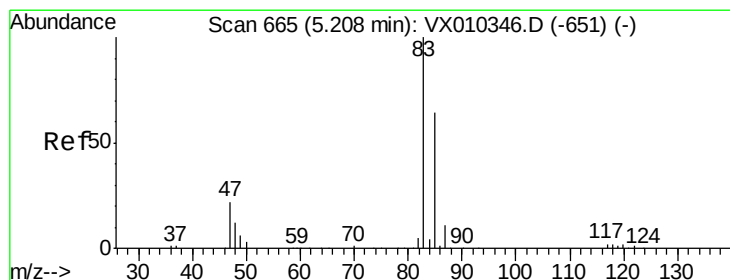
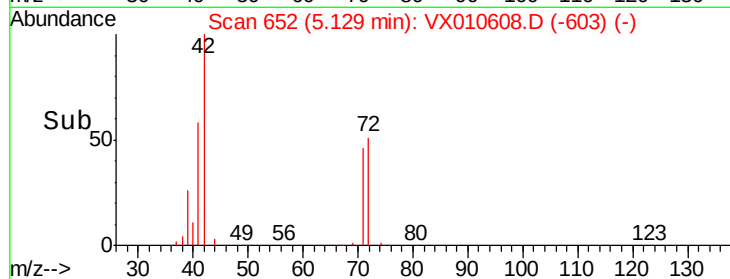
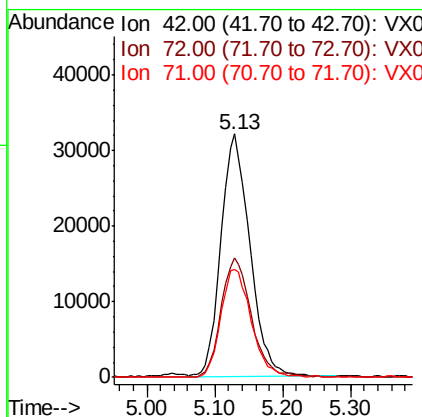
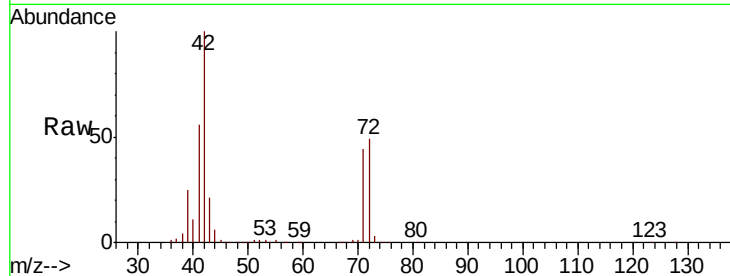
#29
Tetrahydrofuran
Concen: 93.284 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.4	40.6	60.8
71	46.5	37.8	56.8

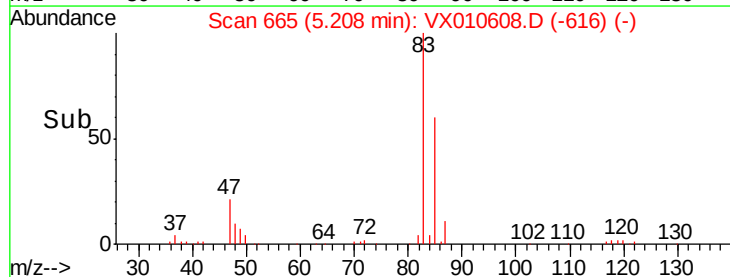
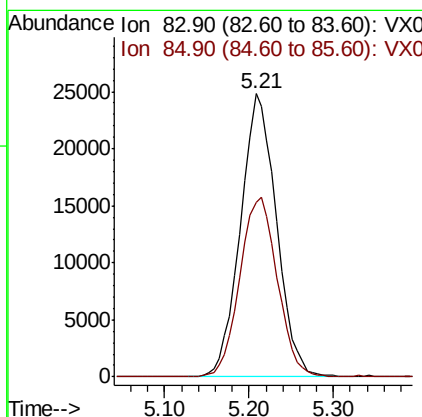
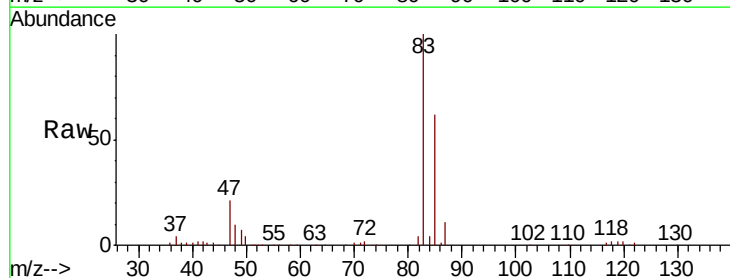
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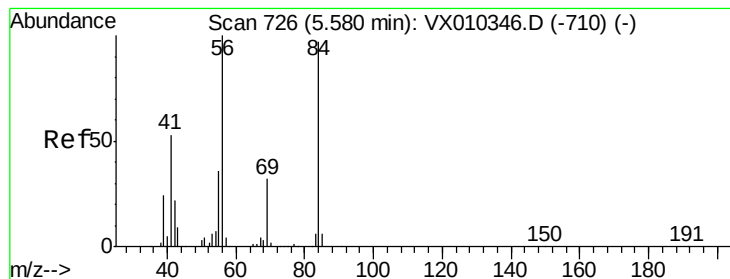
MMDadoda
7/3/2019 9:29:38 AM



#30
Chloroform
Concen: 18.833 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.9	76.3





#31

Cyclohexane

Concen: 17.815 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Instrument :

MSVOA_X

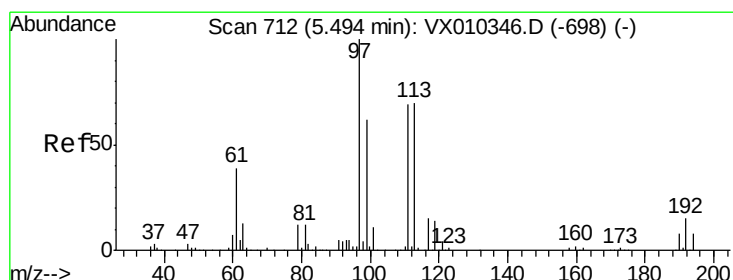
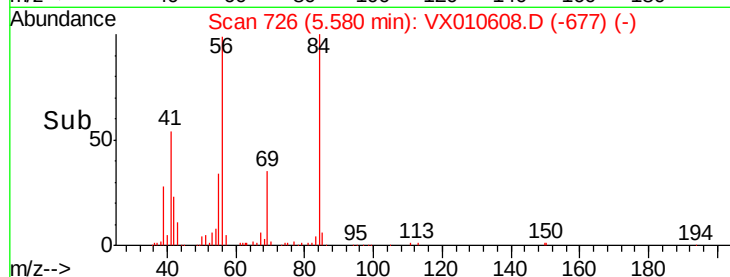
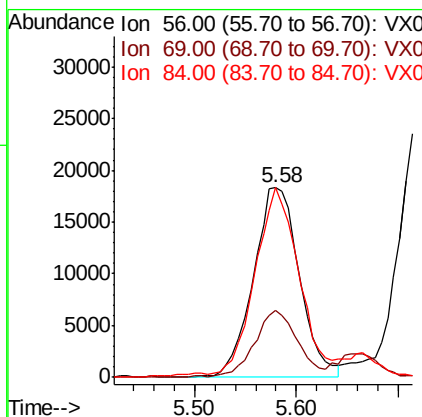
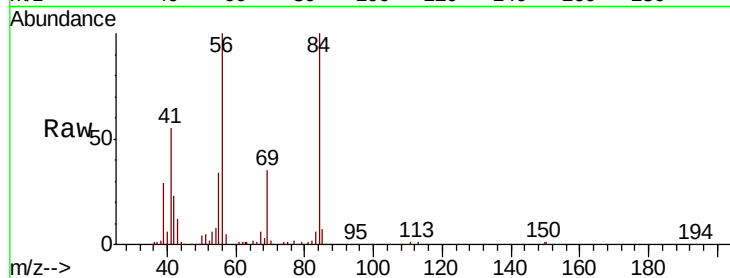
ClientSampleId :

VX0702WBS01

Tot Ion:	56	Resp:	57469
Ion	Ratio	Lower	Upper
56	100		
69	35.2	25.9	38.9
84	98.7	78.0	117.0

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#32

1,1,1-Trichloroethane

Concen: 18.397 ug/l

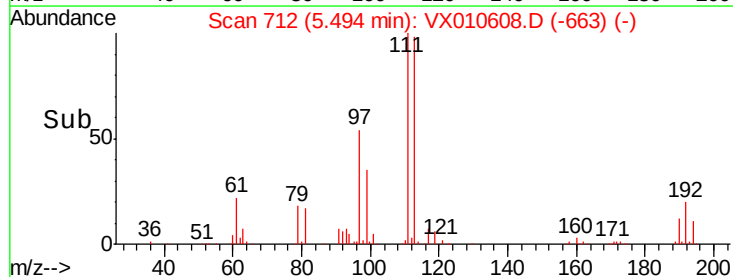
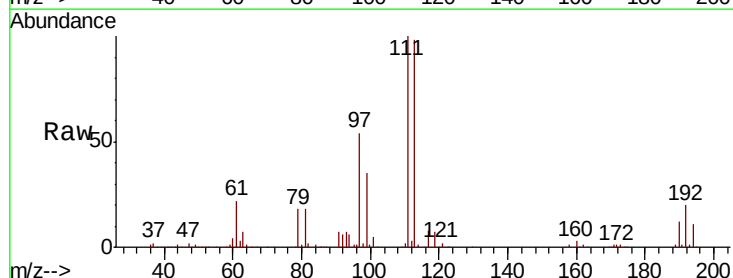
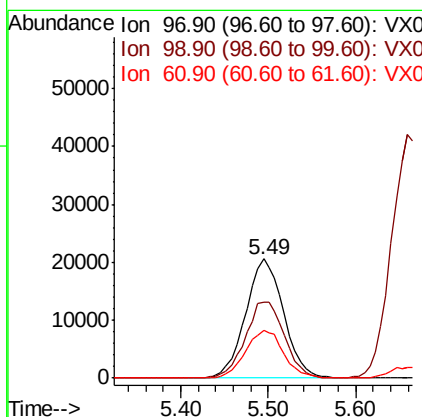
RT: 5.49 min Scan# 712

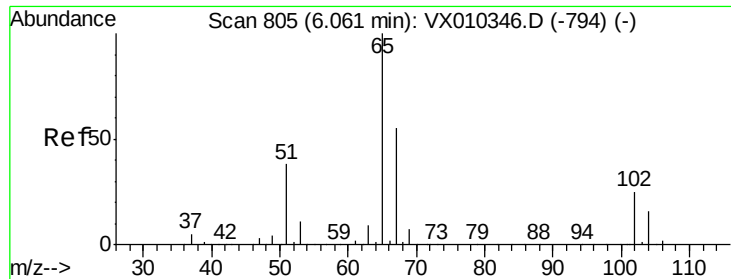
Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Tgt Ion:	97	Resp:	61917
Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.8	77.8
61	40.7	32.1	48.1





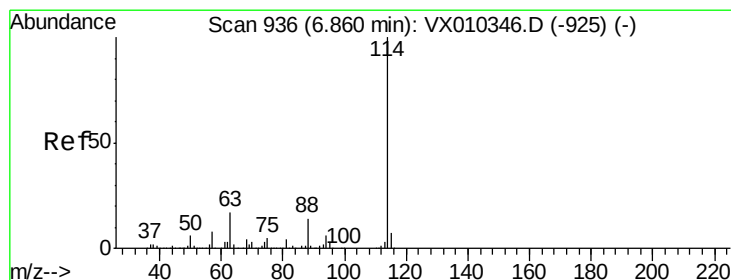
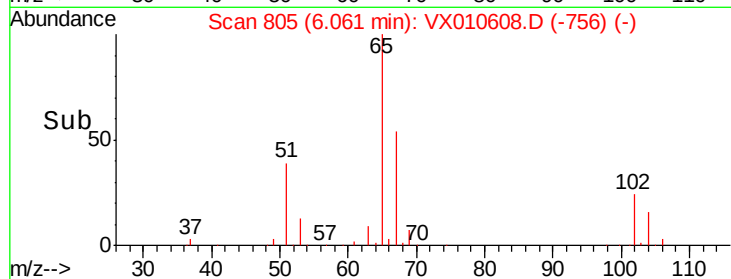
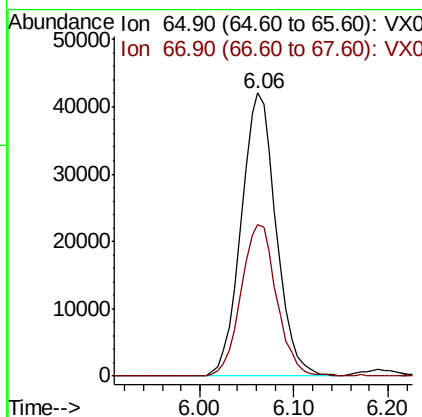
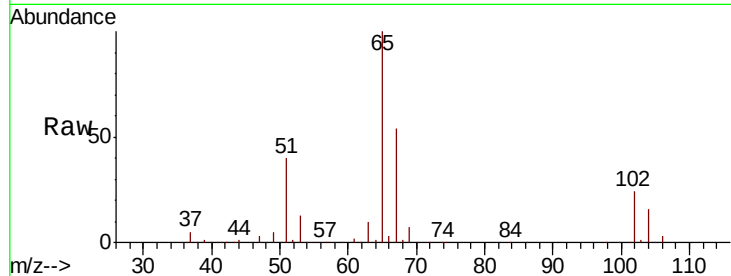
#33
 1,2-Dichloroethane-d4
 Concen: 48.889 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	110.2

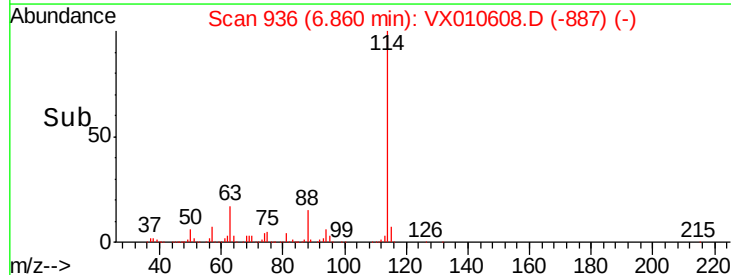
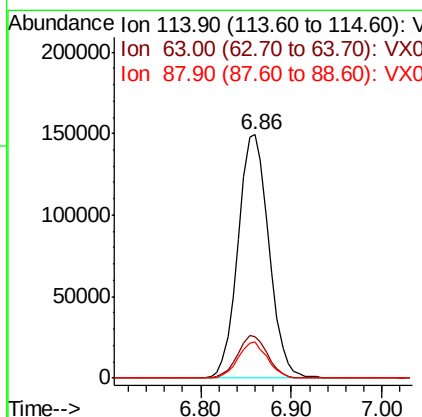
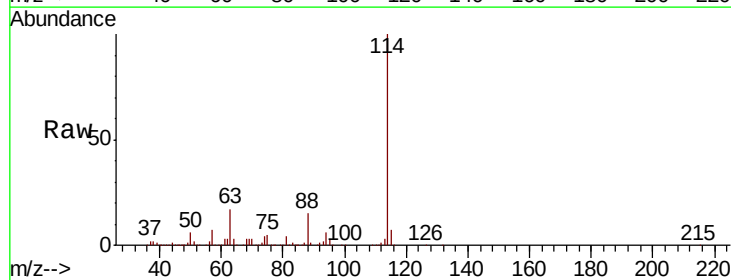
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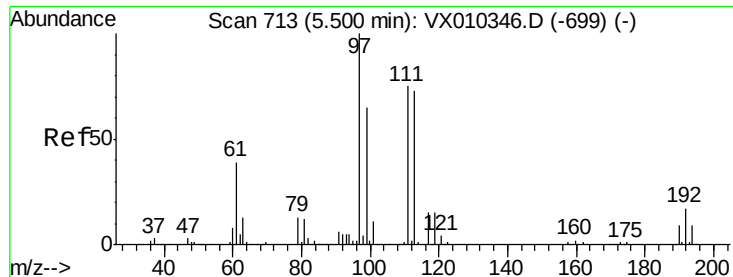
MMDadoda
 7/3/2019 9:29:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	33.8
88	14.7	0.0	27.6





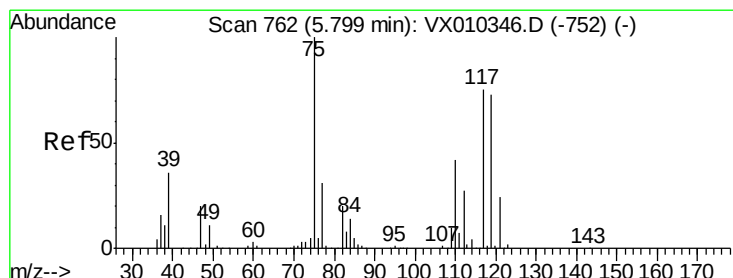
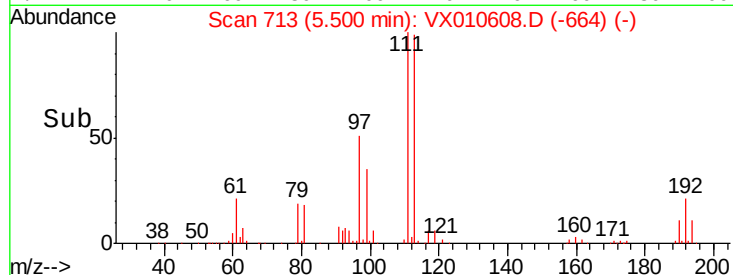
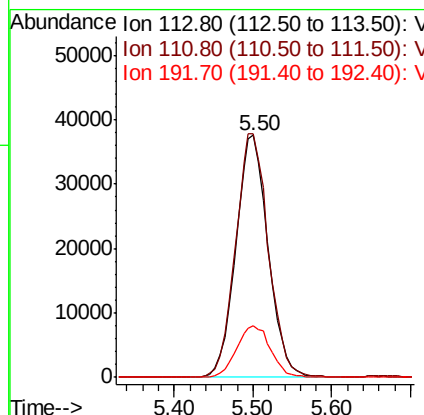
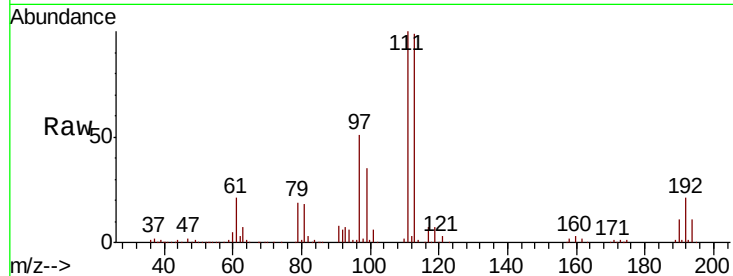
#35
Dibromofluoromethane
Concen: 49.277 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0702WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	106637		
111	102.4	81.2	121.8	
192	22.4	18.6	27.8	

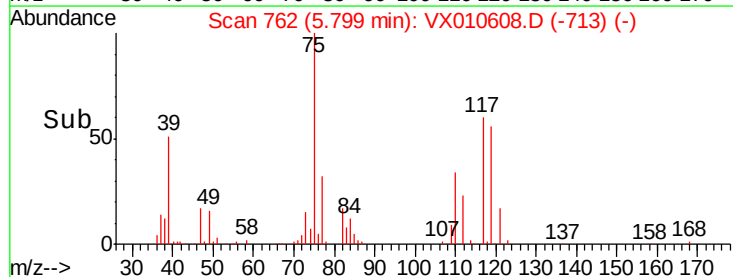
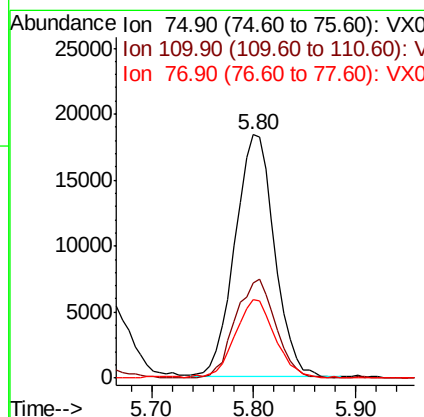
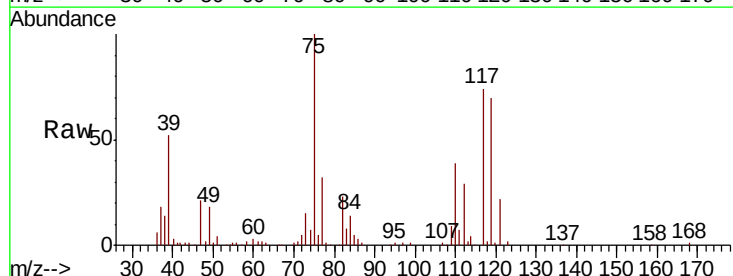
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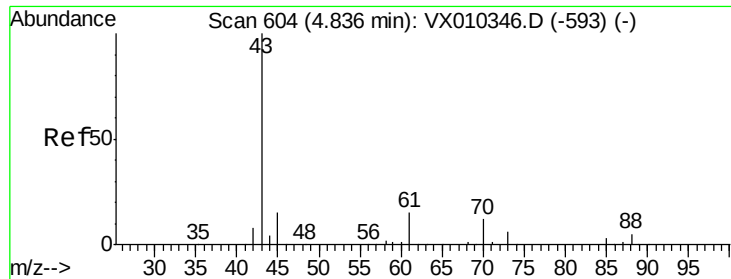
MMDadoda
7/3/2019 9:29:38 AM



#36
1,1-Dichloropropene
Concen: 17.617 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	49517		
110	41.5	20.8	62.2	
77	32.8	25.4	38.0	





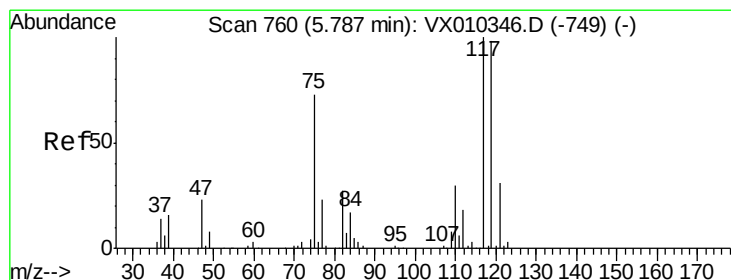
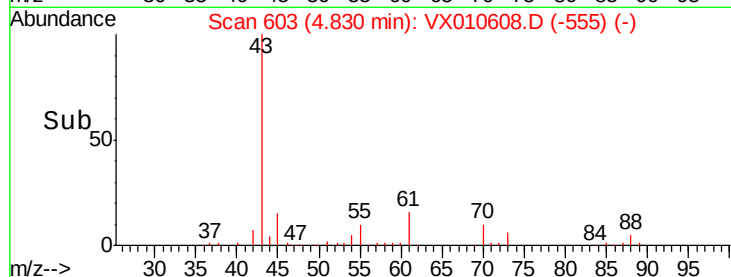
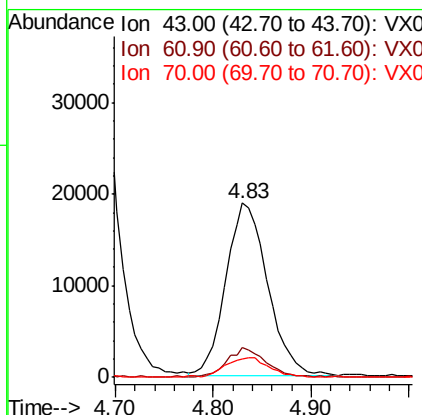
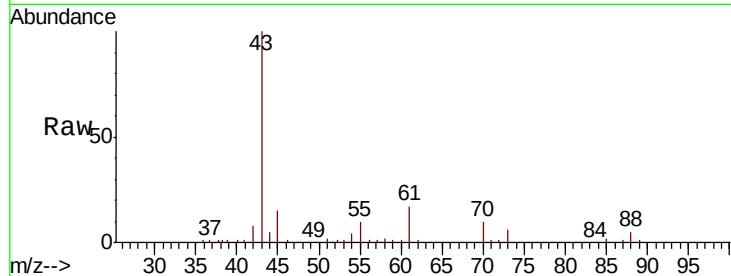
#37
Ethyl Acetate
Concen: 19.179 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0702WBS01

Tot Ion	43	61	70
Resp	55455		
Ratio	100	16.7	12.1
Lower		12.4	9.8
Upper		18.6	14.8

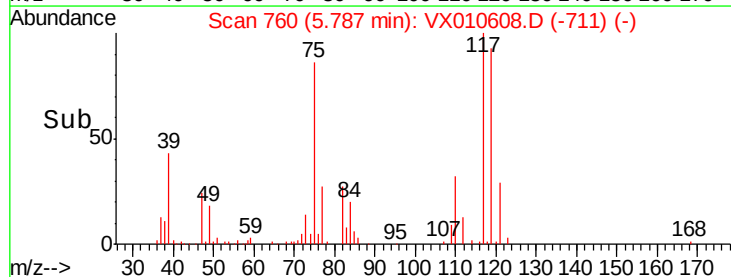
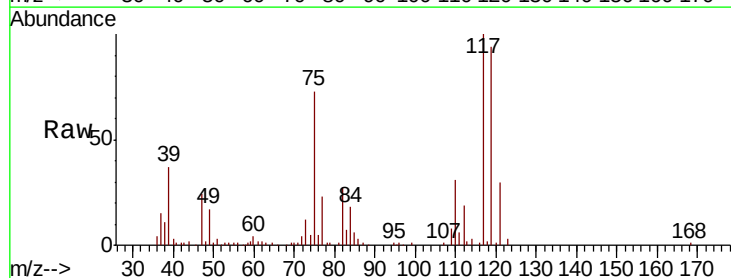
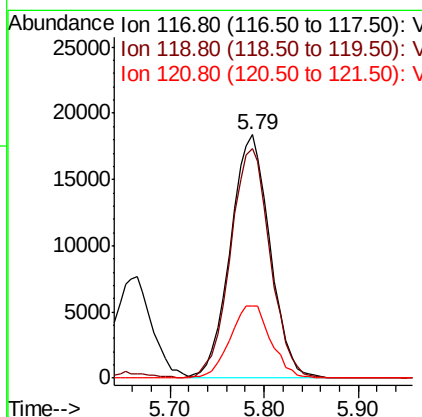
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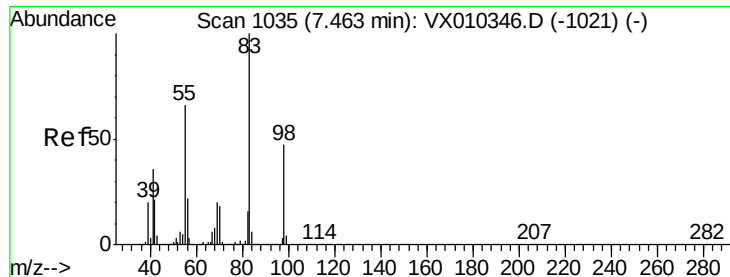
MMDadoda
7/3/2019 9:29:38 AM



#38
Carbon Tetrachloride
Concen: 17.672 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion	117	119	121
Resp	53785		
Ratio	100	94.4	29.6
Lower		78.2	24.7
Upper		117.4	37.1





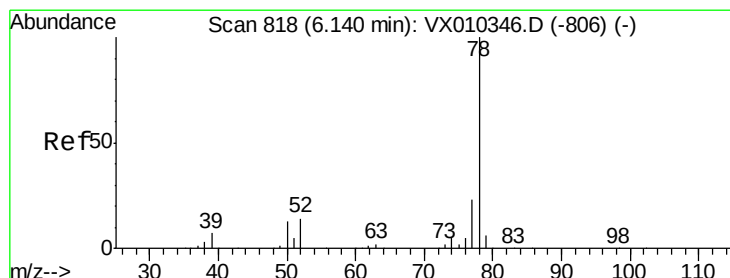
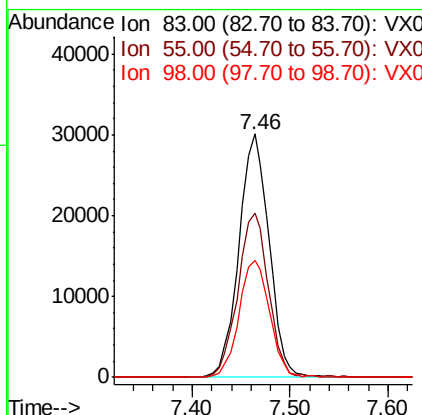
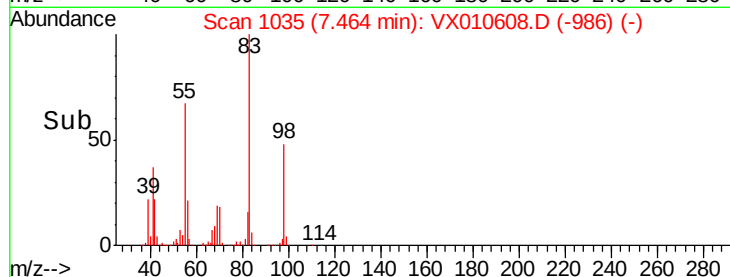
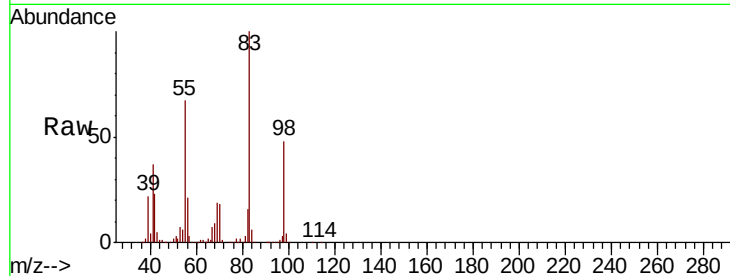
#39
Methylvlcyclohexane
Concen: 17.393 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

Tot Ion	83	Resp	64259
Ion Ratio	100	Lower	Upper
83	100		
55	66.9	53.0	79.6
98	47.8	37.8	56.8

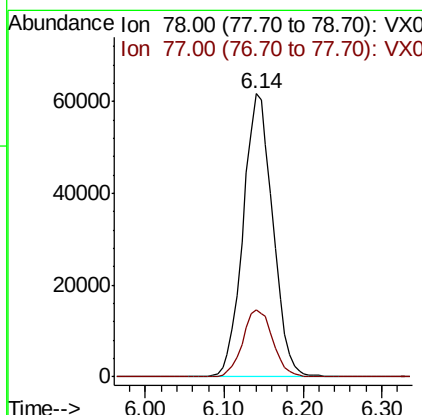
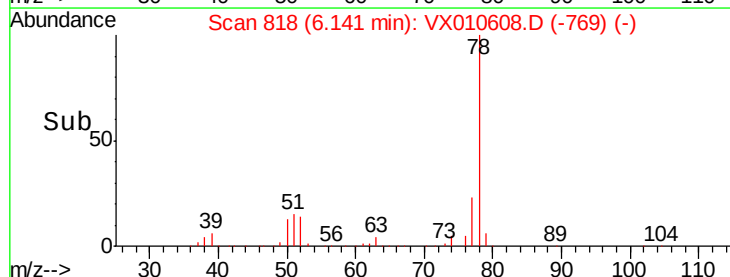
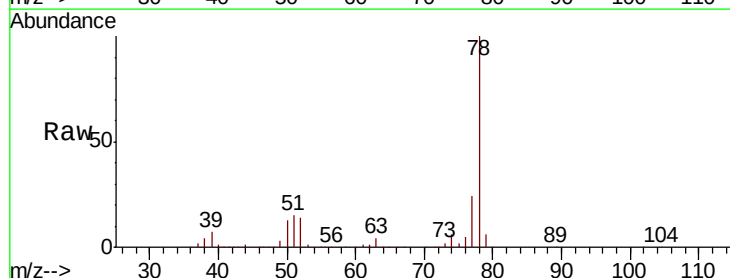
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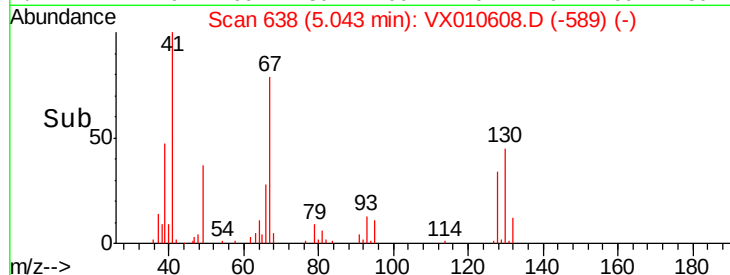
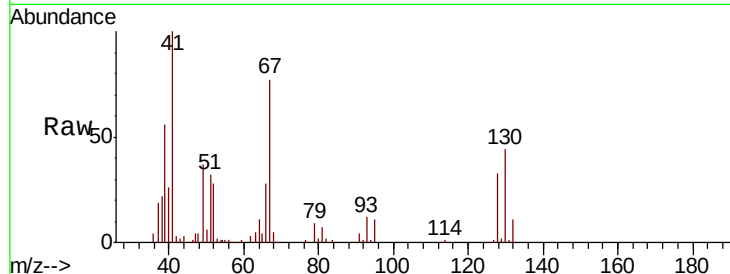
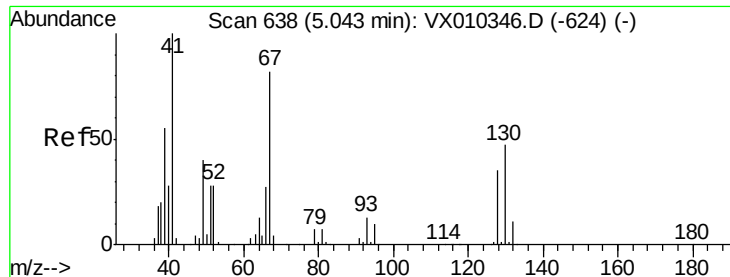
MMDadoda
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#40
Benzene
Concen: 18.420 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion	78	Resp	161296
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	18.6	28.0





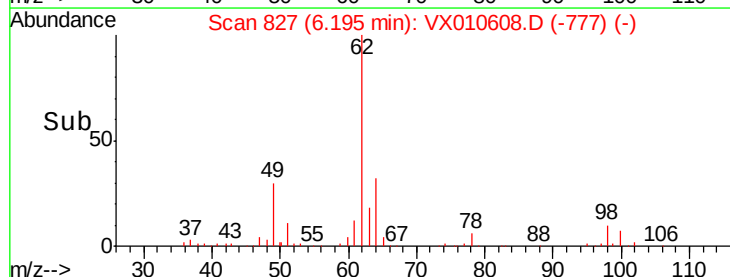
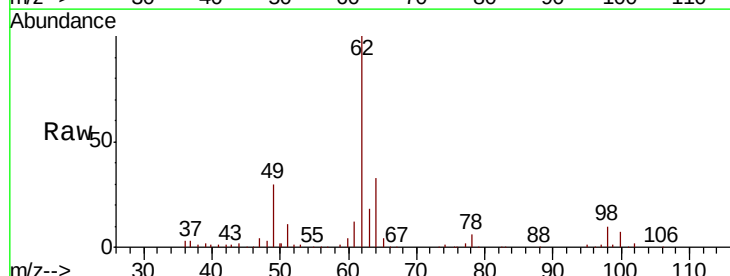
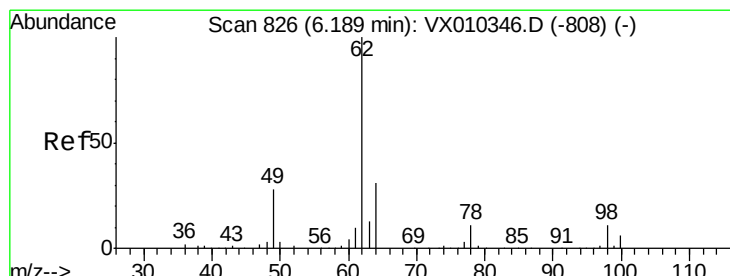
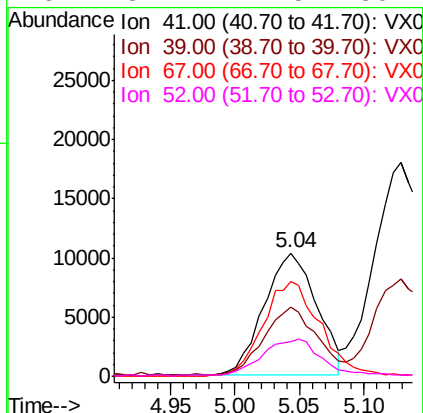
#41
Methacrylonitrile
Concen: 18.644 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		29579		
39	56.4	43.8	65.8		
67	83.8	66.6	100.0		
52	32.4	24.5	36.7		

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

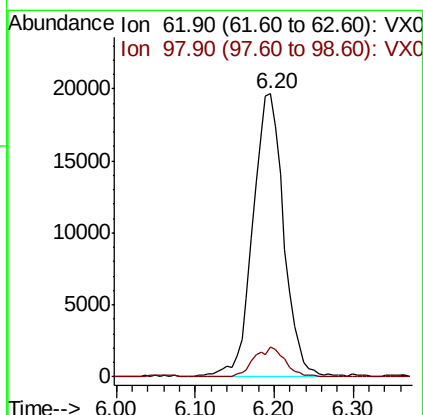
Manual Integrations
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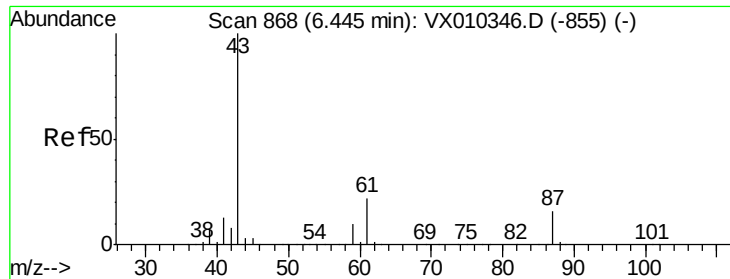
MMDadoda
7/3/2019 9:29:38 AM



#42
1,2-Dichloroethane
Concen: 20.132 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		53662		
98	10.5	0.0	22.2		





#43

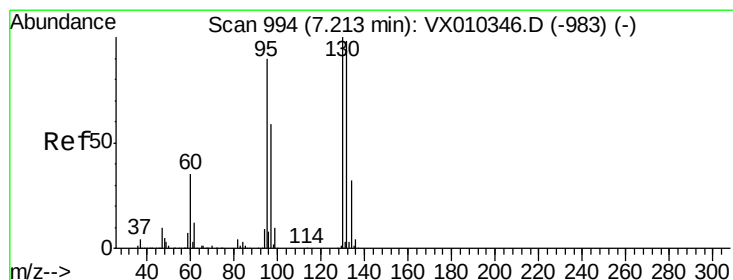
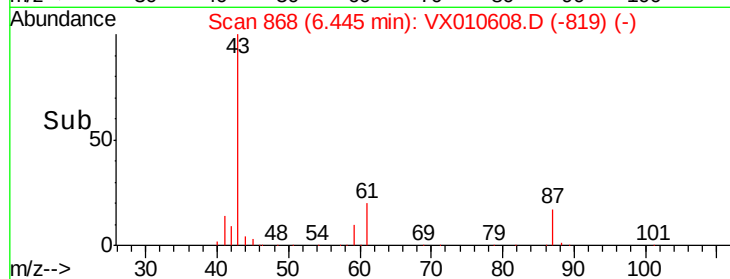
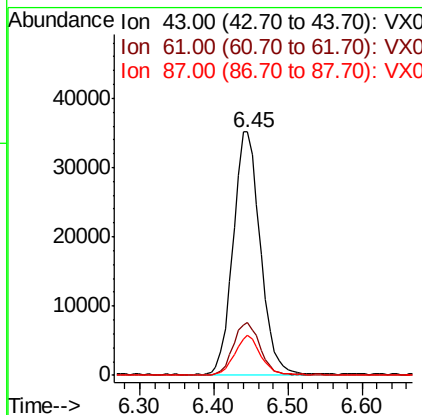
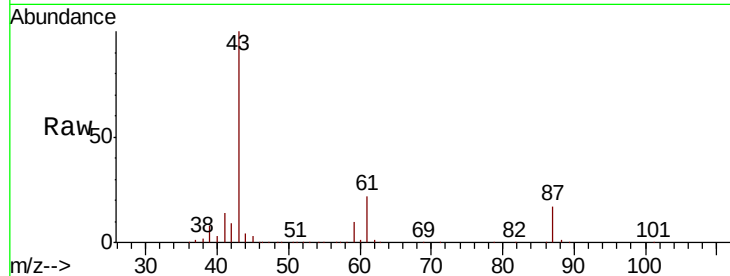
Isopropyl Acetate
 Concen: 18.759 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.8	26.6
87	16.1	13.0	19.4

Manual Integrations
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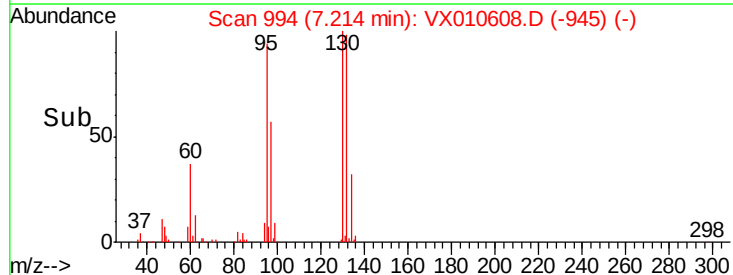
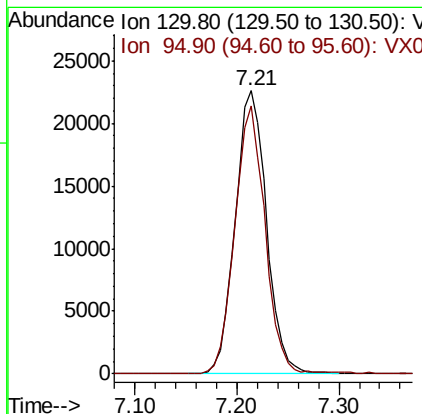
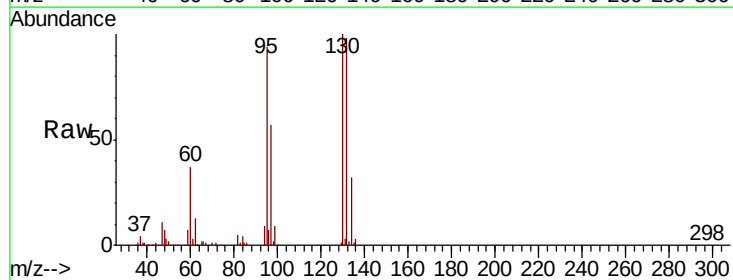
MMDadoda
 7/3/2019 9:29:38 AM

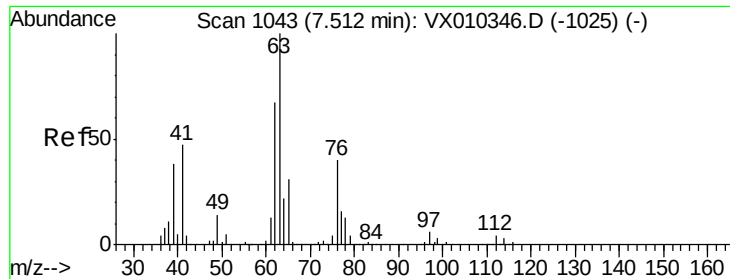


#44

Trichloroethene
 Concen: 18.295 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	180.8





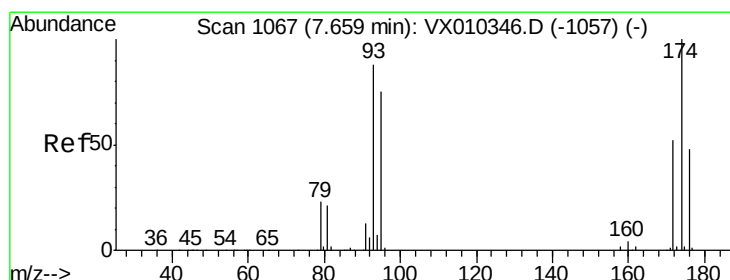
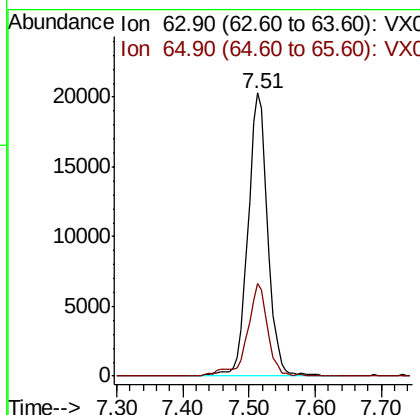
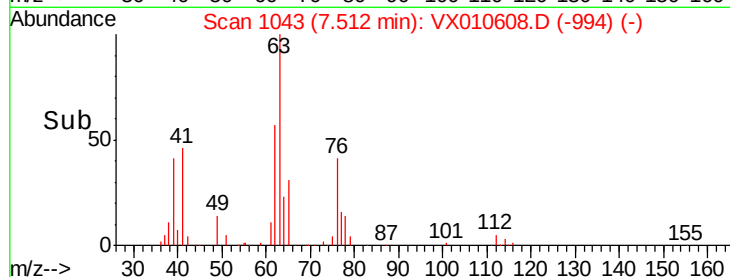
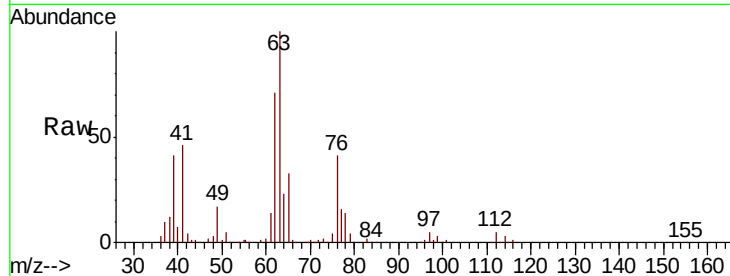
#45
 1,2-Dichloropropane
 Concen: 19.207 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0702WBS01

Tot Ion: 63 Resp: 42473
 Ion Ratio Lower Upper
 63 100
 65 32.9 24.8 37.2

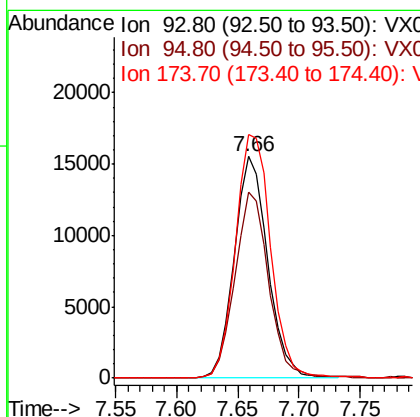
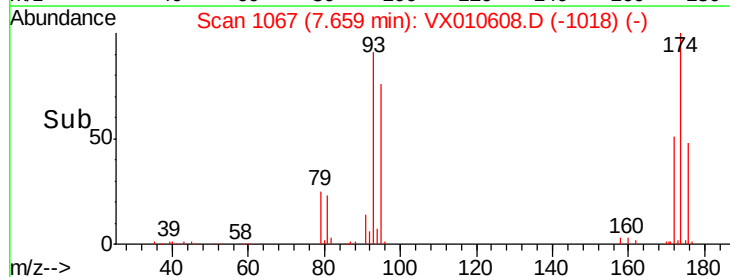
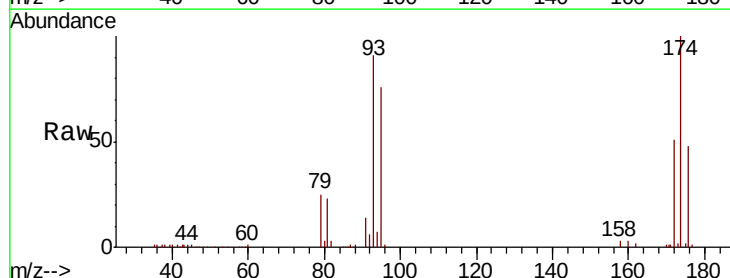
Manual Integrations
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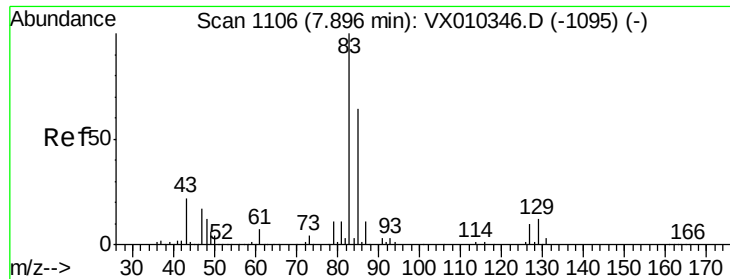
MMDadoda
 7/3/2019 9:29:38 AM



#46
 Dibromomethane
 Concen: 18.583 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Tgt Ion: 93 Resp: 29482
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.5 101.3
 174 115.6 95.8 143.6





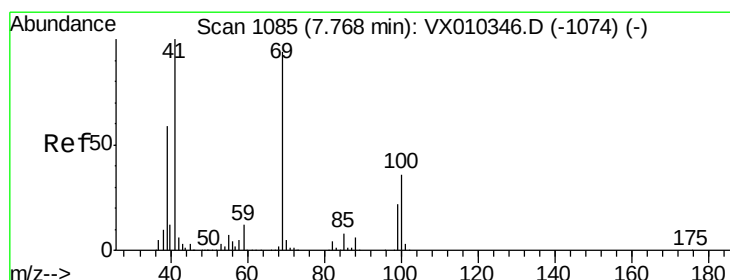
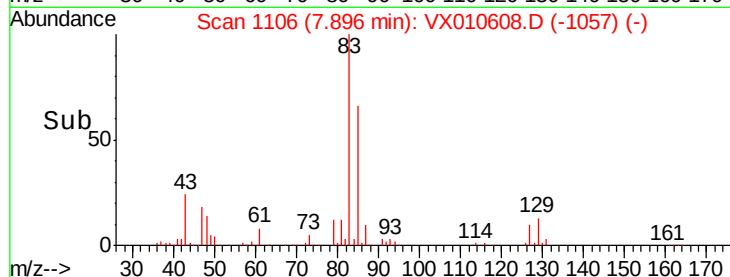
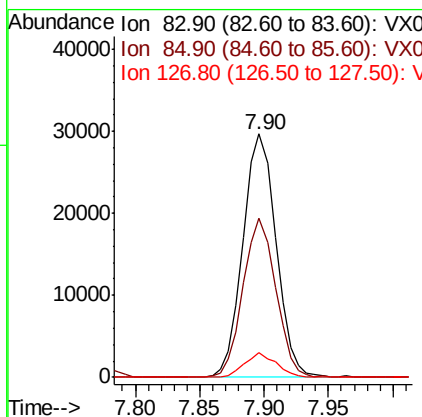
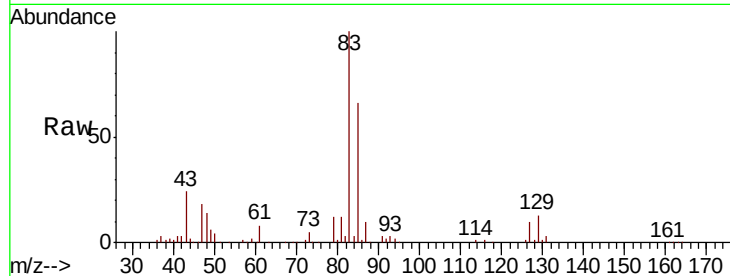
#47
Bromodichloromethane
Concen: 18.246 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

Tot Ion	83	Resp	53051
Ion Ratio	100	Lower	Upper
83	100		
85	65.3	51.5	77.3
127	10.0	7.8	11.8

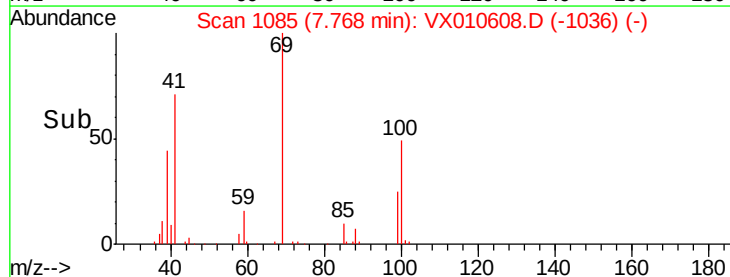
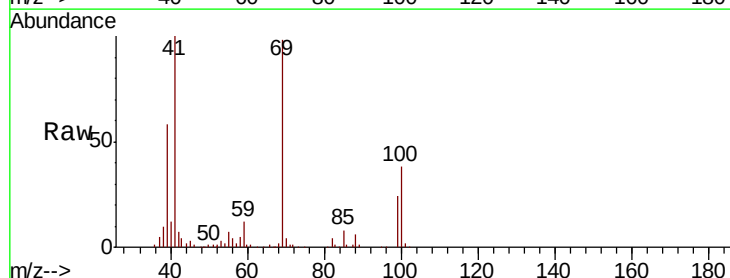
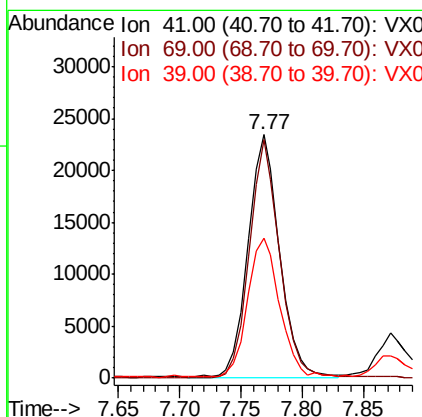
Manual Integrations
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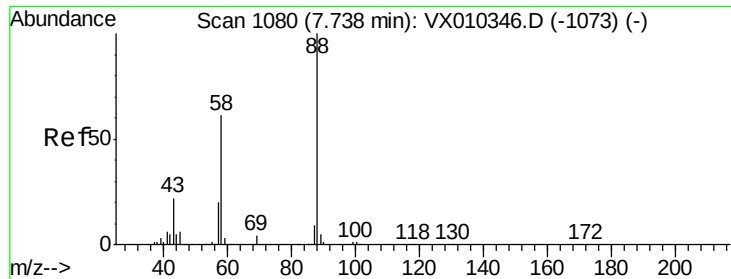
MMDadoda
7/3/2019 9:29:38 AM



#48
Methyl methacrylate
Concen: 18.820 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion	41	Resp	41849
Ion Ratio	100	Lower	Upper
41	100		
69	94.6	76.1	114.1
39	58.4	47.6	71.4





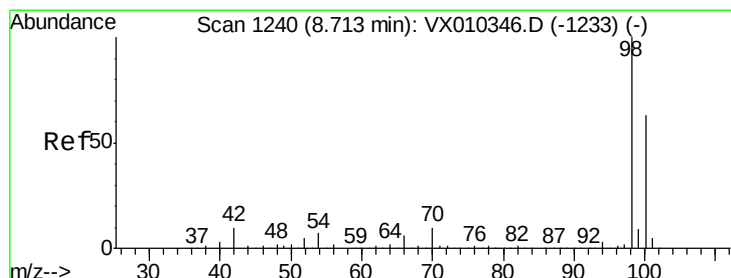
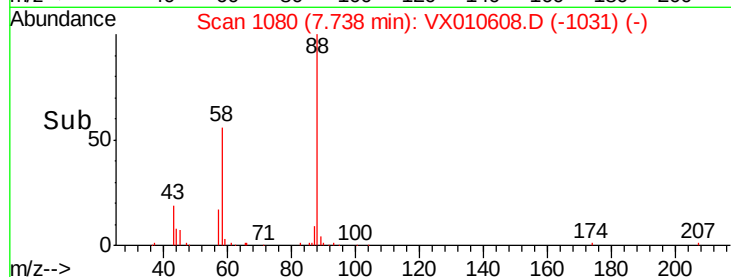
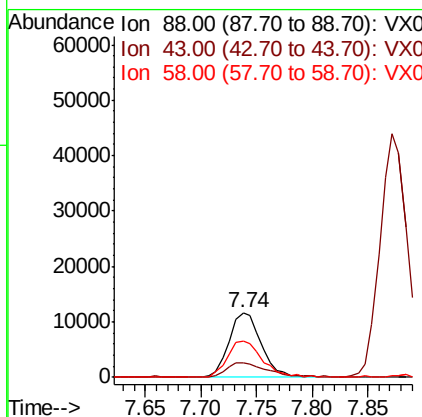
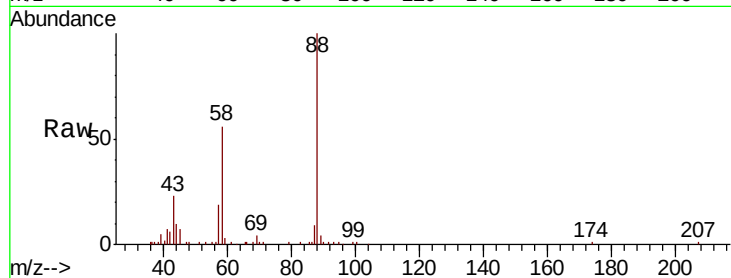
#49
1,4-Dioxane
Concen: 366.467 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.8	20.2	30.2
58	58.0	49.5	74.3

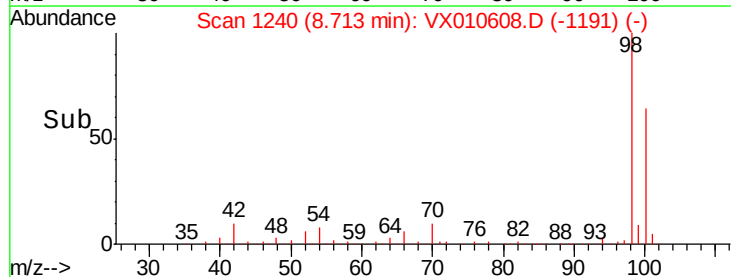
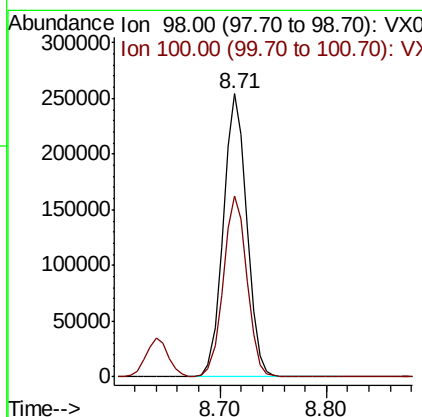
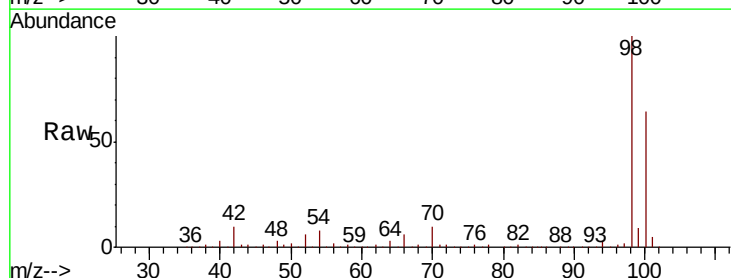
Manual Integrations
APPROVED

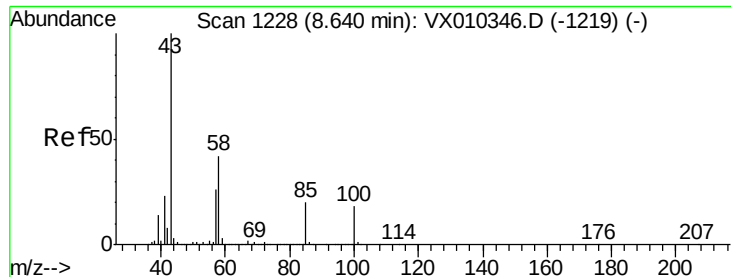
MMDadoda
7/3/2019 9:29:38 AM



#50
Toluene-d8
Concen: 47.479 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





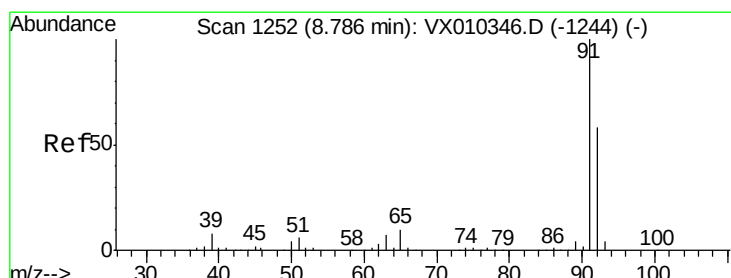
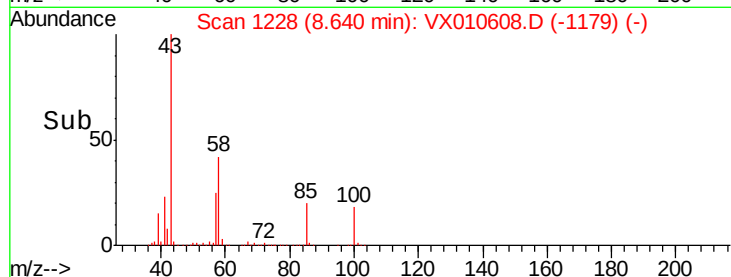
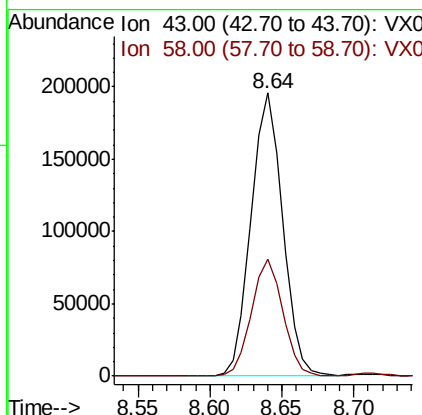
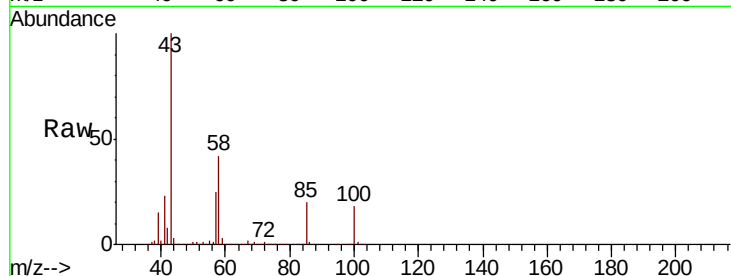
#51
4-Methyl-2-Pentanone
Concen: 96.957 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0702WBS01

Tot Ion: 43 Resp: 296653
Ion Ratio Lower Upper
43 100
58 41.3 33.5 50.3

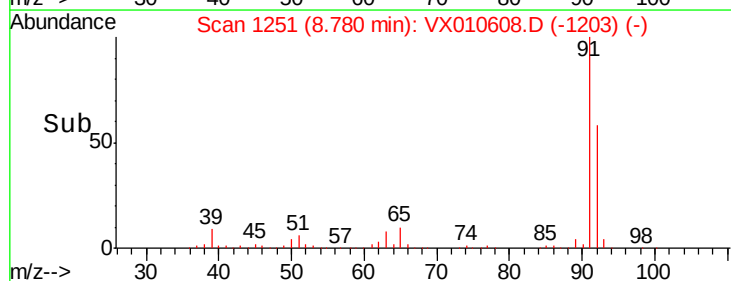
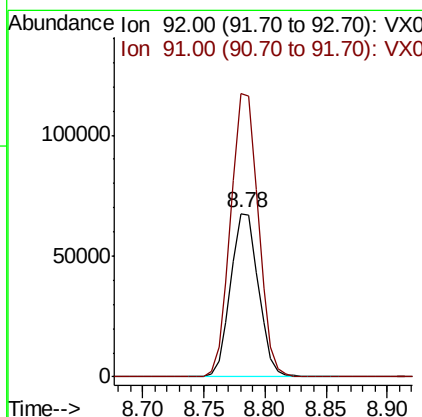
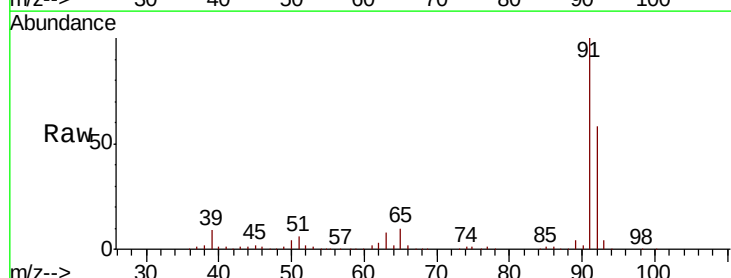
Manual Integrations
APPROVED

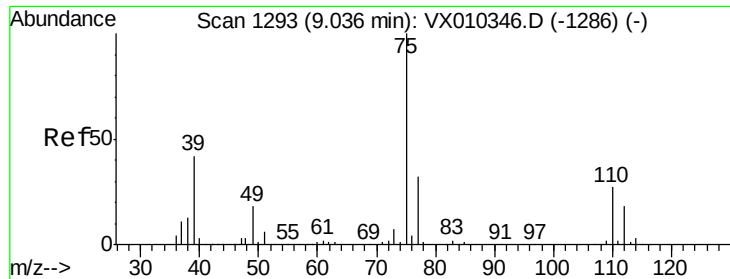
MMDadoda
7/3/2019 9:29:38 AM



#52
Toluene
Concen: 18.415 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion: 92 Resp: 106193
Ion Ratio Lower Upper
92 100
91 173.5 139.8 209.6





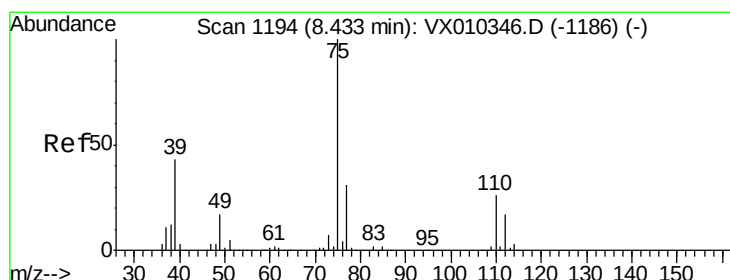
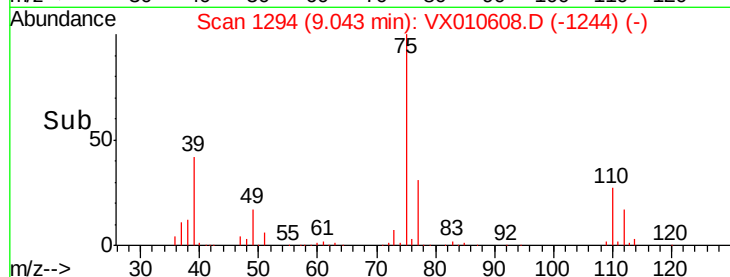
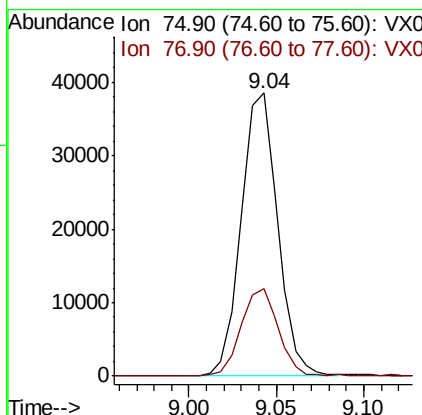
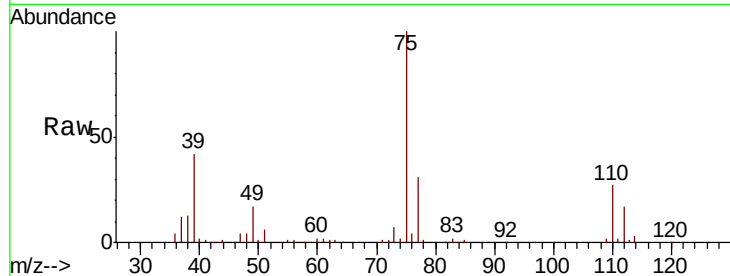
#53
t-1,3-Dichloropropene
Concen: 17.187 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

Tot Ion: 75 Resp: 56024
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.2

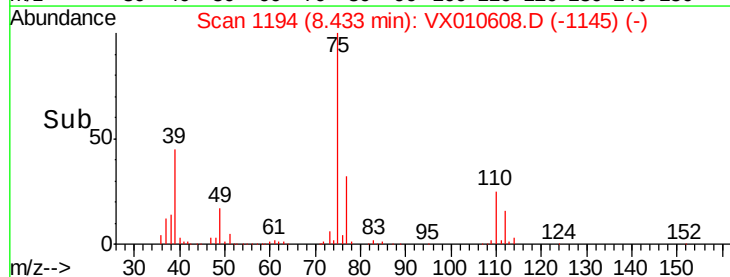
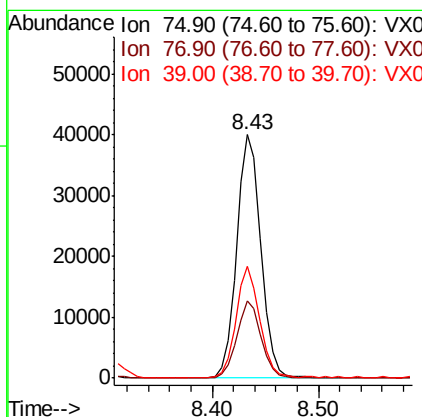
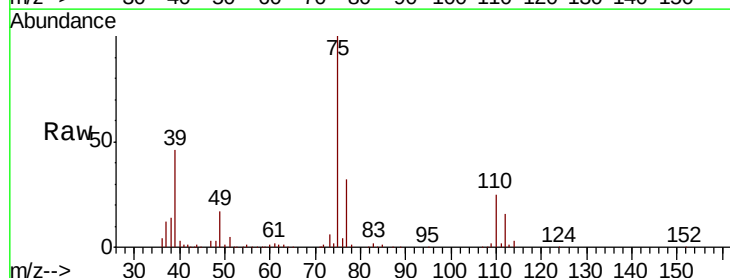
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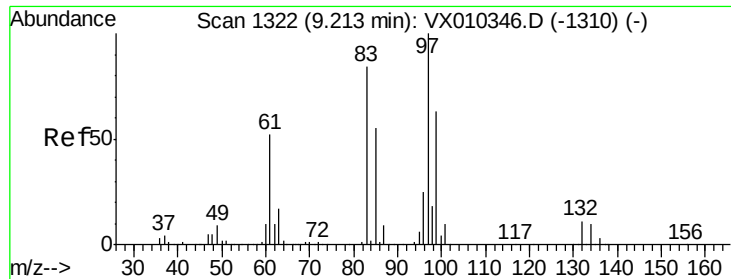
MMDadoda
7/3/2019 9:29:38 AM



#54
cis-1,3-Dichloropropene
Concen: 17.998 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion: 75 Resp: 63757
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8
39 45.3 34.5 51.7





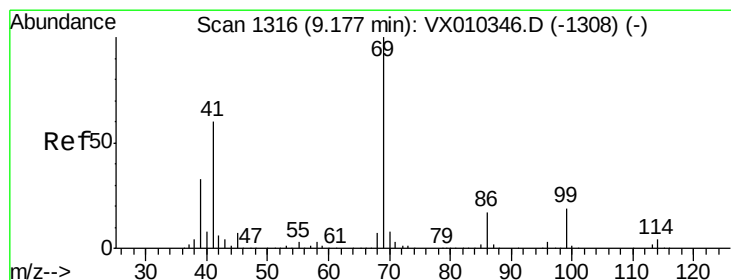
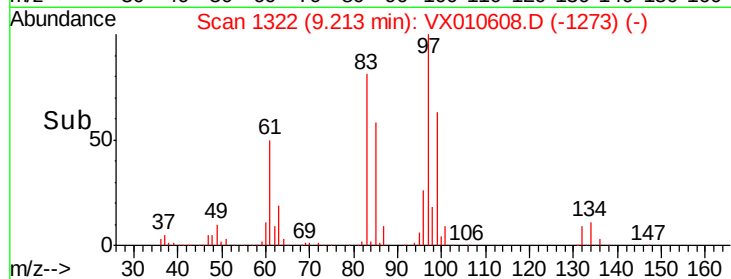
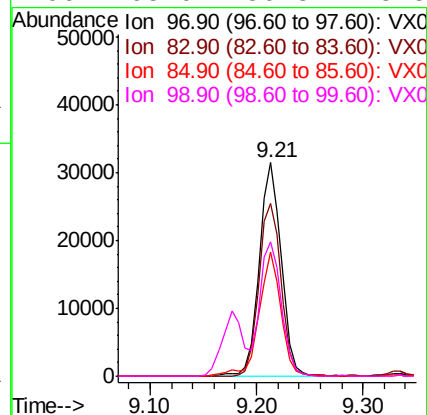
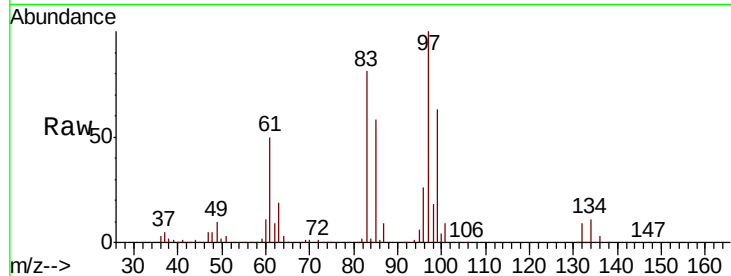
#55
 1,1,2-Trichloroethane
 Concen: 19.161 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.1	67.4	101.0
85	58.0	43.8	65.8
99	63.0	50.3	75.5

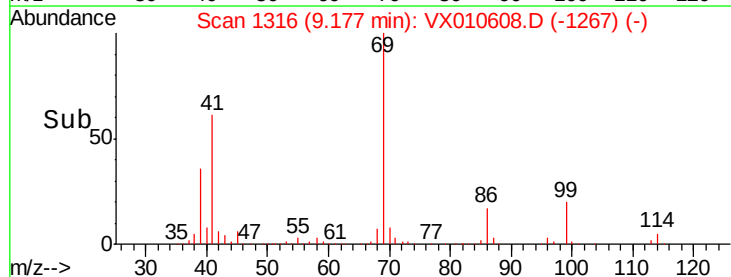
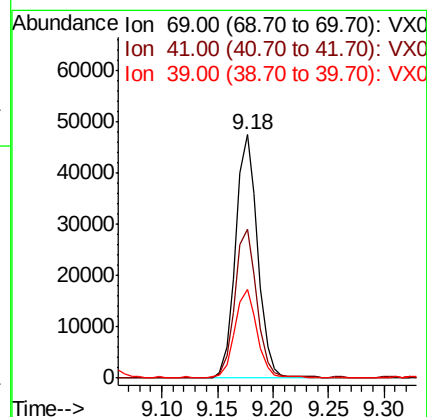
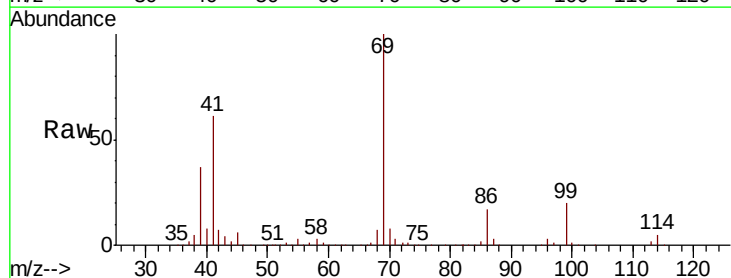
Manual Integrations
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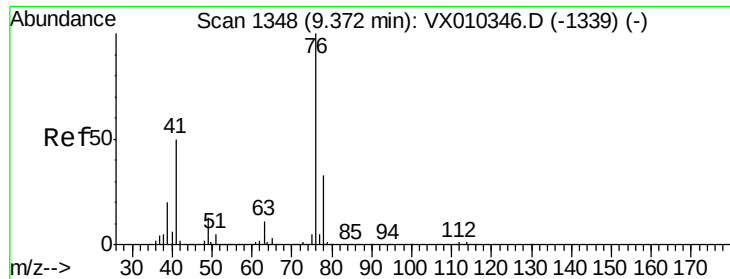
MMDadoda
 7/3/2019 9:29:38 AM



#56
 Ethyl methacrylate
 Concen: 18.153 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.5	47.1	70.7
39	36.2	26.6	40.0





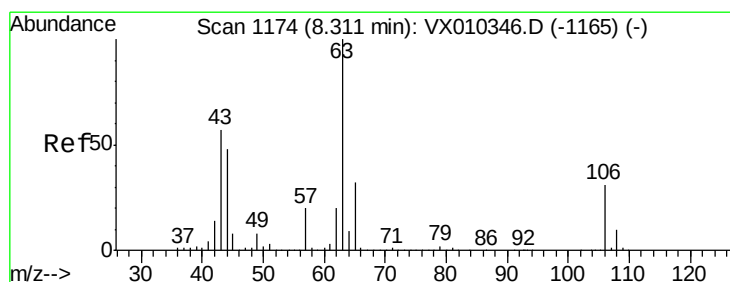
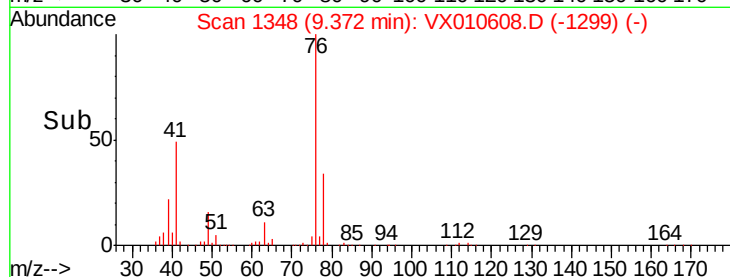
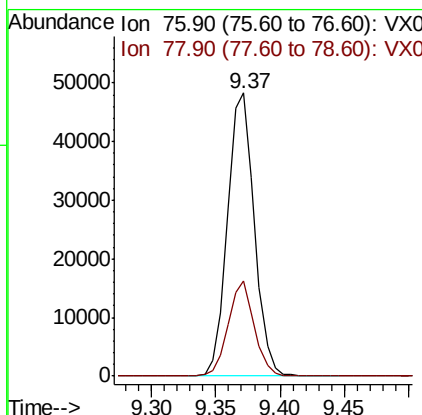
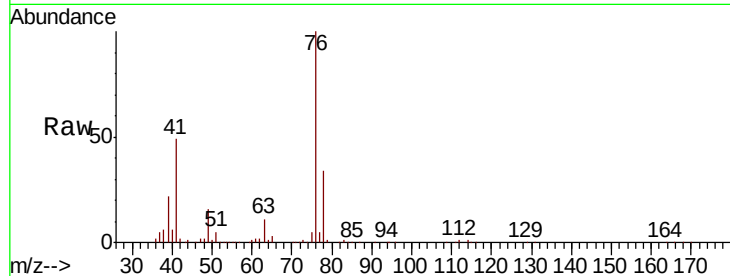
#57
 1,3-Dichloropropane
 Concen: 19.132 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.1	39.1

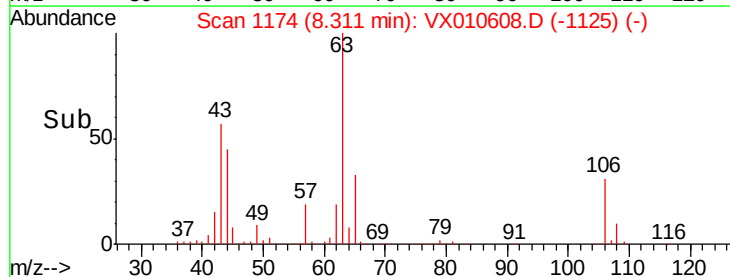
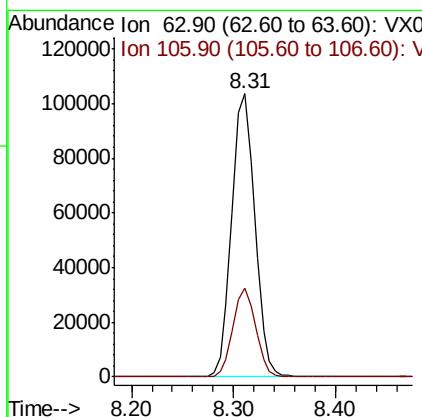
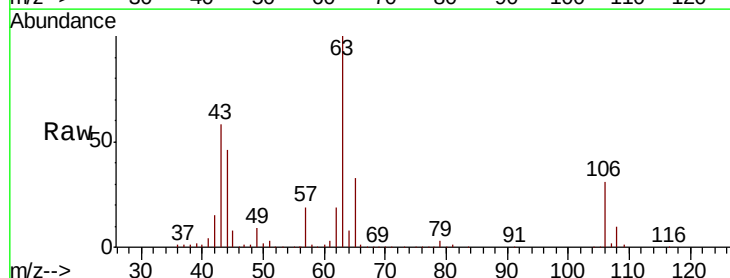
Manual Integrations
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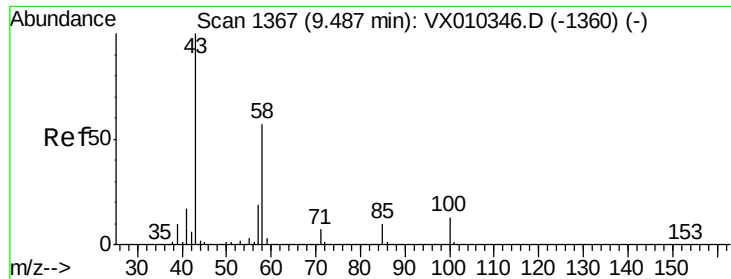
MMDadoda
 7/3/2019 9:29:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.146 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.7	24.7	37.1





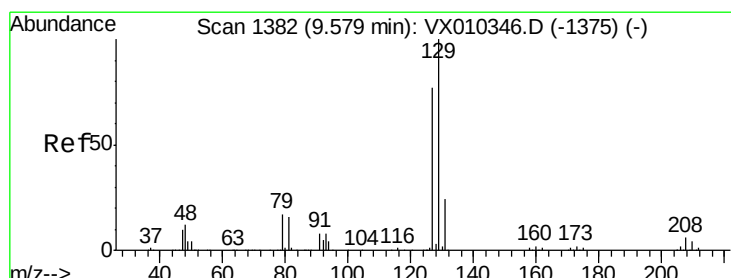
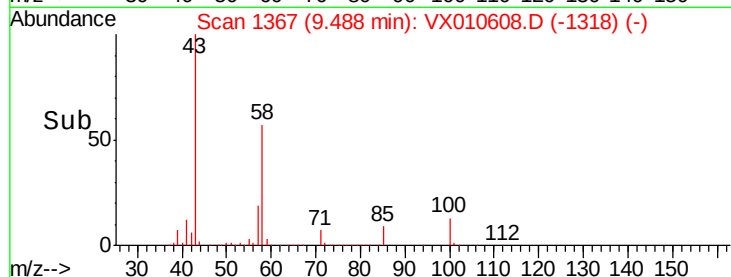
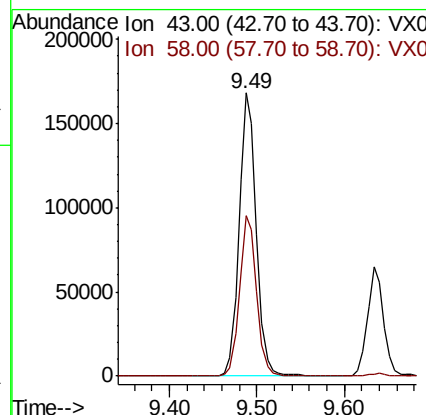
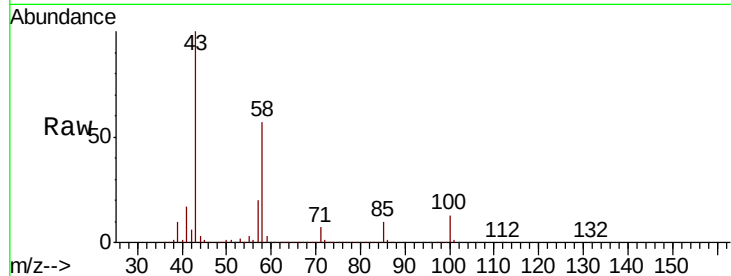
#59
2-Hexanone
Concen: 95.495 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.7	29.0	87.1

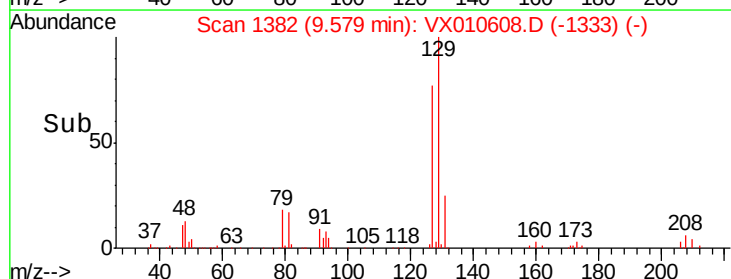
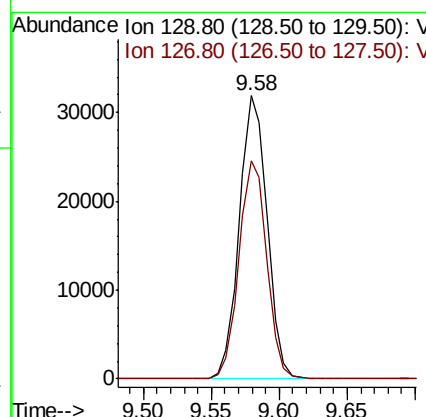
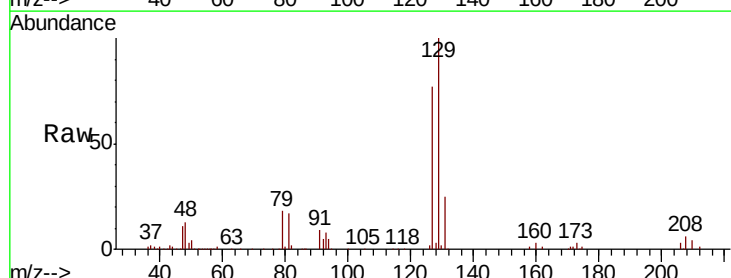
Manual Integrations
APPROVED

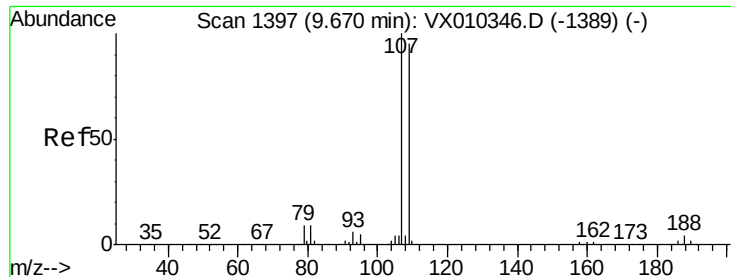
MMDadoda
7/3/2019 9:29:38 AM



#60
Dibromochloromethane
Concen: 17.102 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.4	115.1





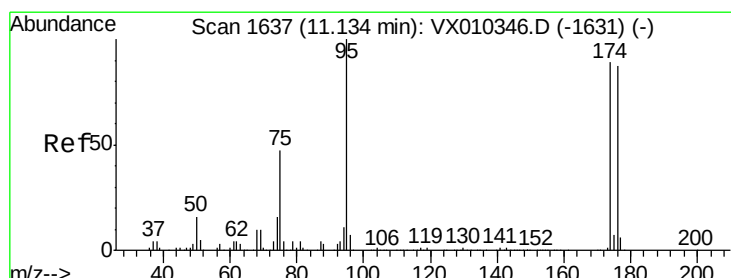
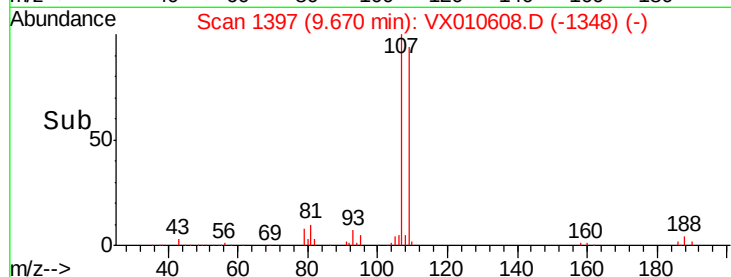
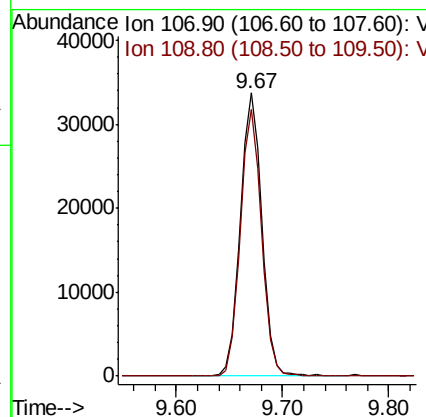
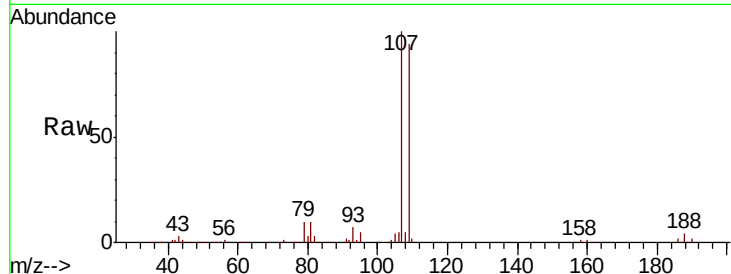
#61
 1,2-Dibromoethane
 Concen: 18.683 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.8	113.6

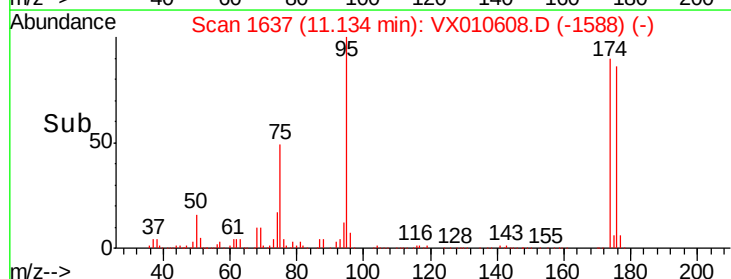
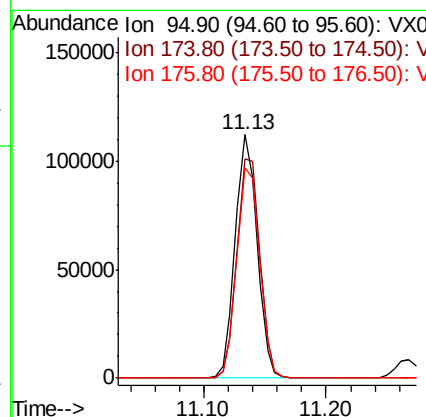
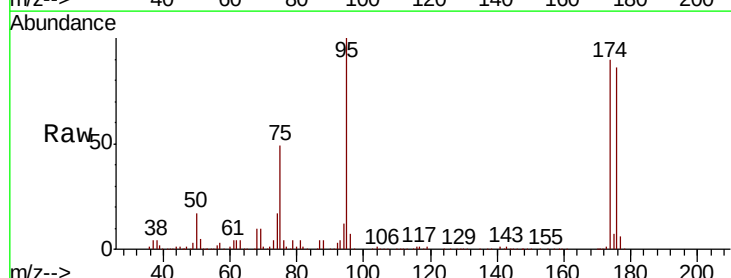
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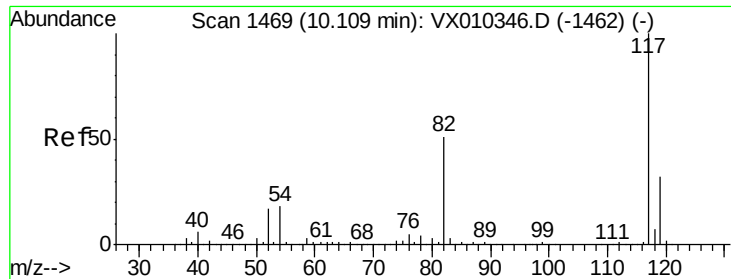
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 46.215 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	187.6
176	90.5	0.0	184.0





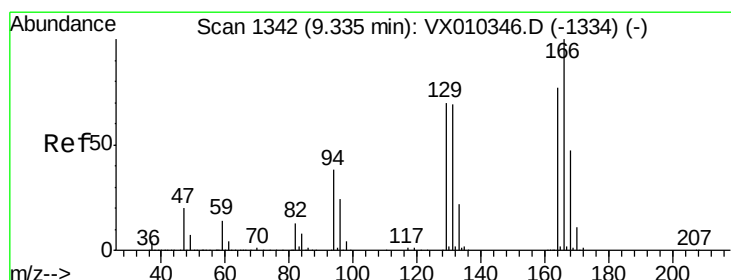
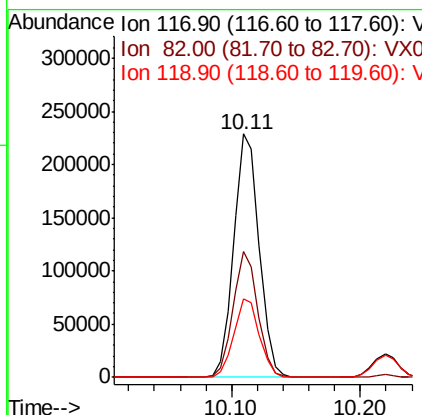
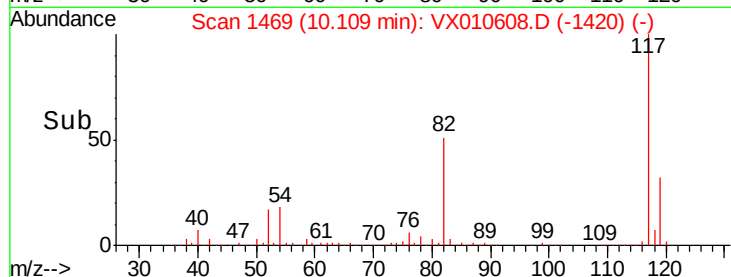
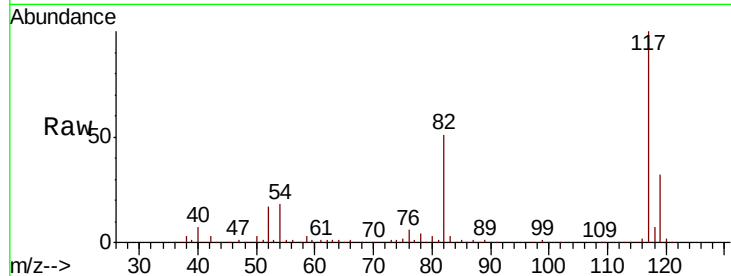
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.2	61.8
119	32.1	25.5	38.3

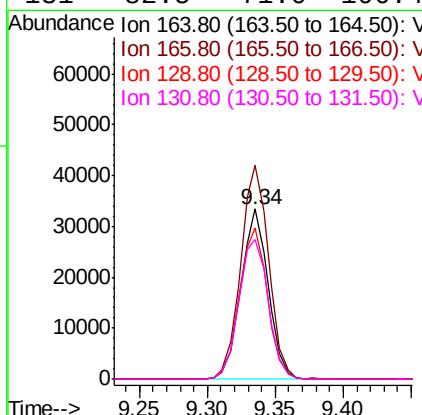
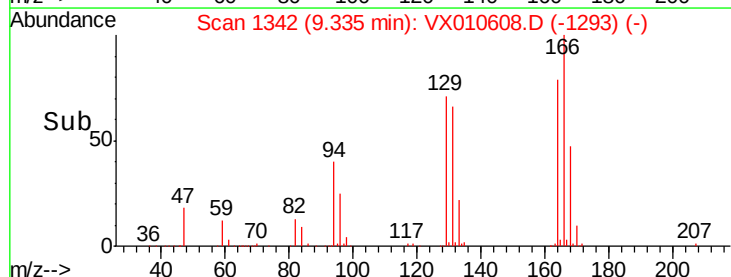
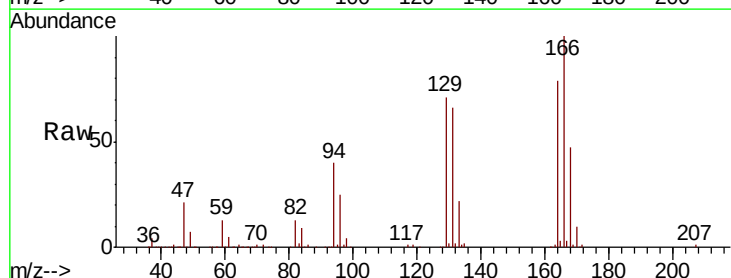
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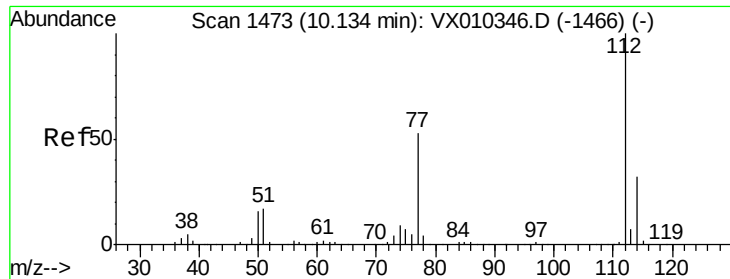
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#64
Tetrachloroethene
Concen: 18.394 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	103.6	155.4
129	88.9	73.0	109.4
131	82.5	71.0	106.4





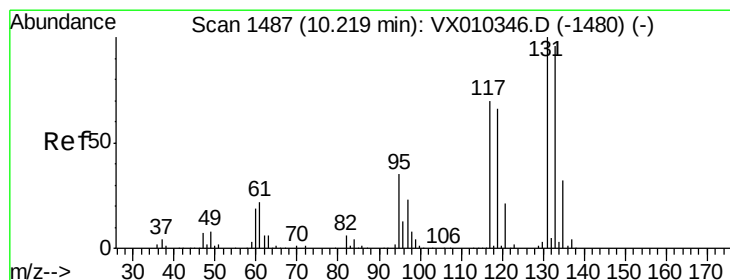
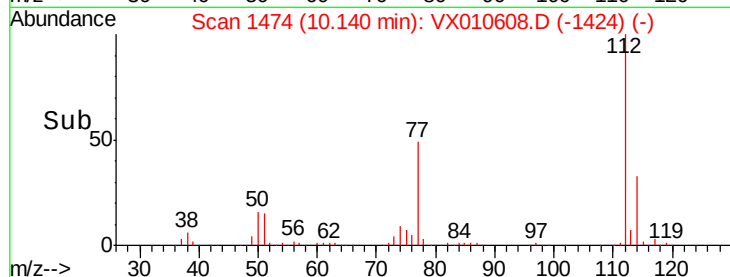
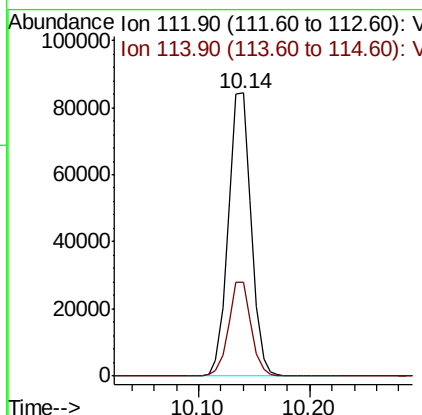
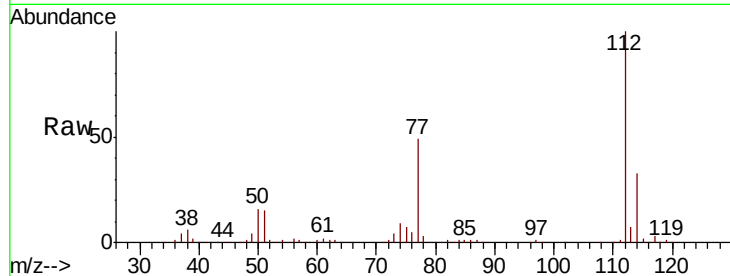
#65
Chlorobenzene
Concen: 18.766 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

Tot Ion:112 Resp: 119856
Ion Ratio Lower Upper
112 100
114 33.1 25.4 38.2

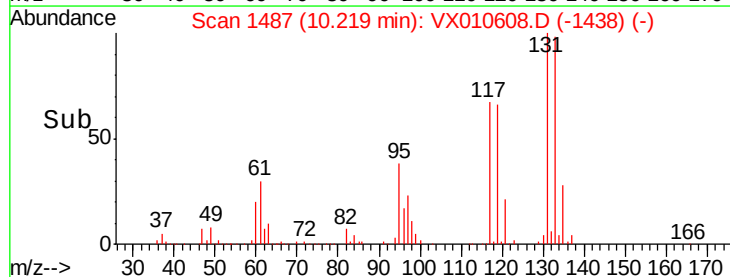
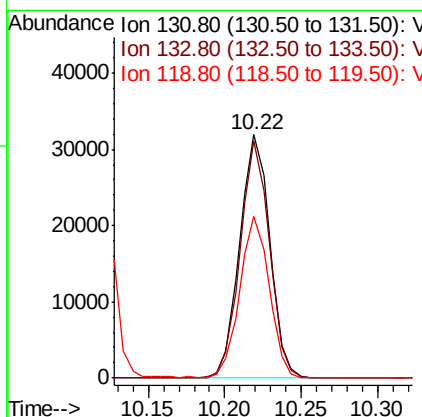
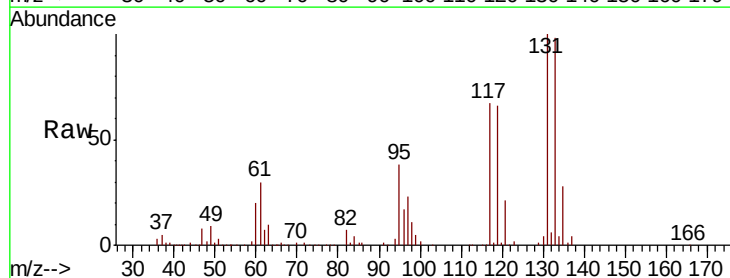
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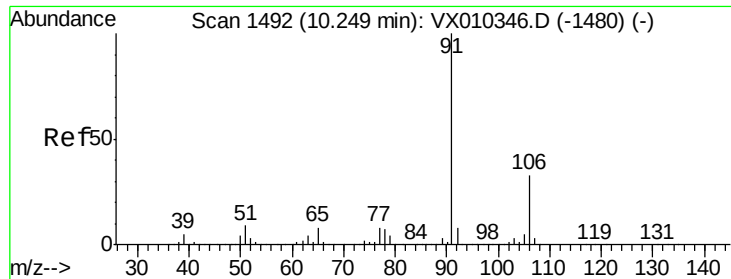
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.711 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion:131 Resp: 43530
Ion Ratio Lower Upper
131 100
133 95.2 47.7 143.1
119 65.5 32.6 97.7





#67

Ethyl Benzene

Concen: 18.724 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0702WBS01

Tot Ion: 91 Resp: 201889

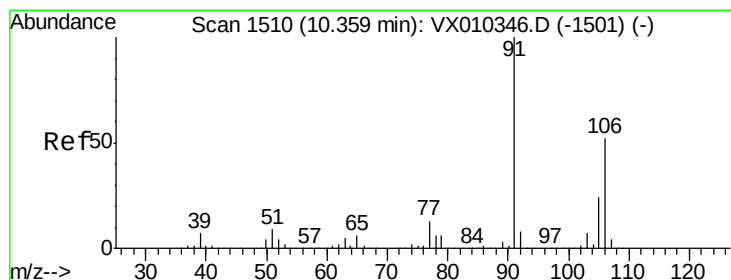
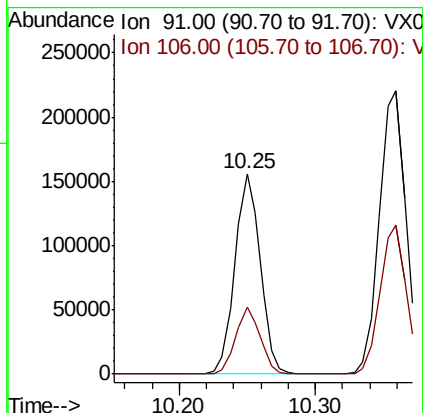
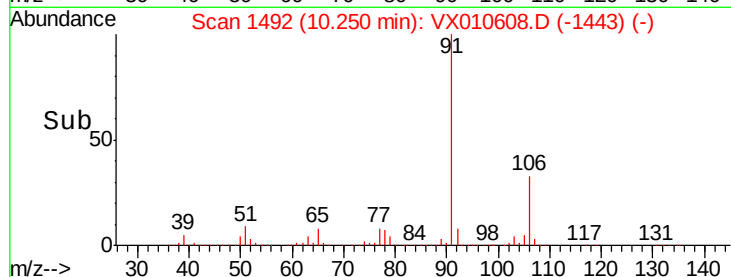
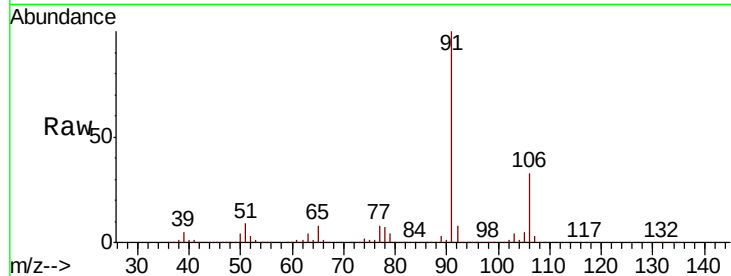
Ion Ratio Lower Upper

91 100

106 33.3 26.2 39.2

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#68

m/p-Xylenes

Concen: 37.106 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010608.D

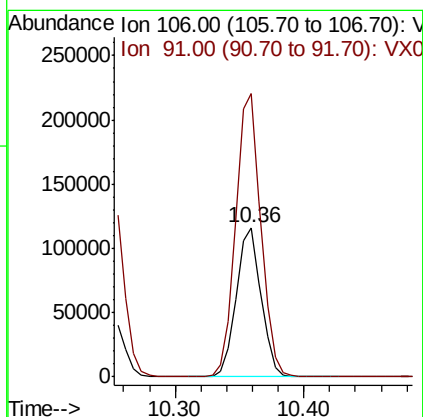
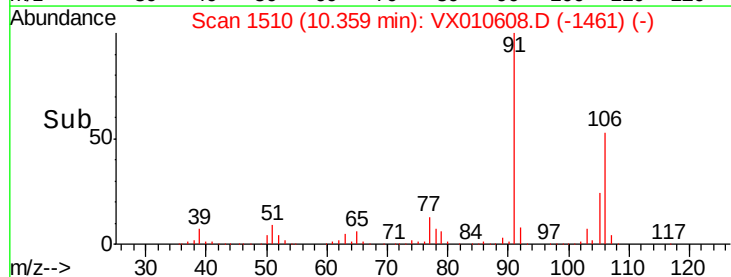
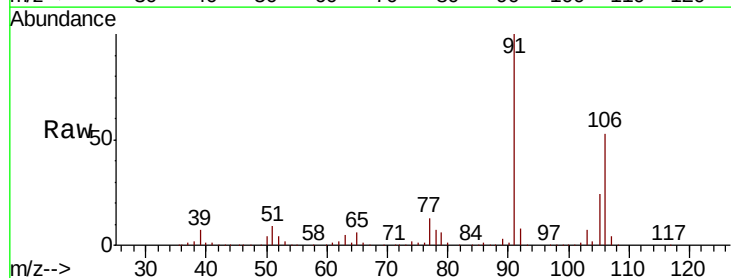
Acq: 02 Jul 2019 11:44

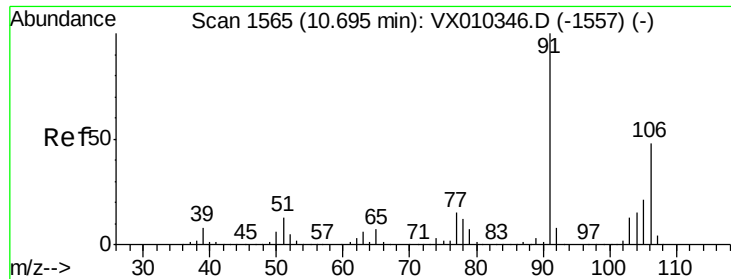
Tgt Ion: 106 Resp: 155027

Ion Ratio Lower Upper

106 100

91 193.0 155.3 232.9





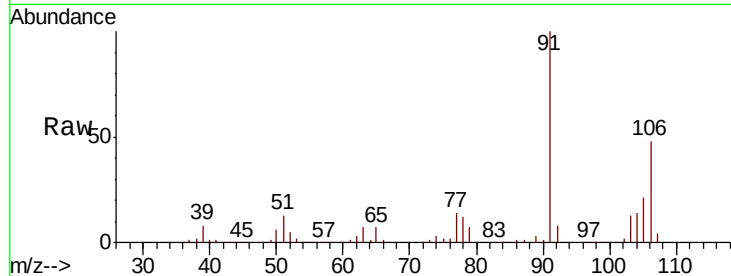
#69
o-Xylene
Concen: 18.647 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0702WBS01

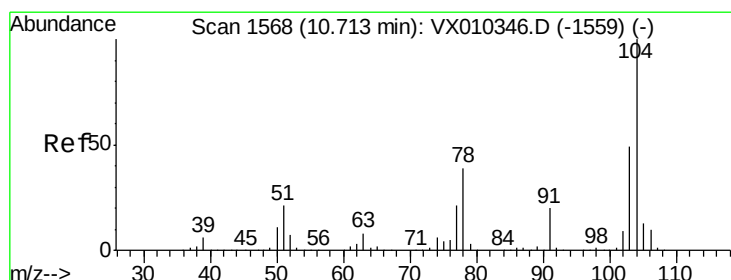
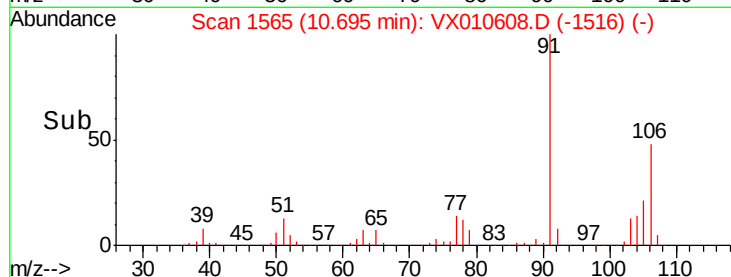
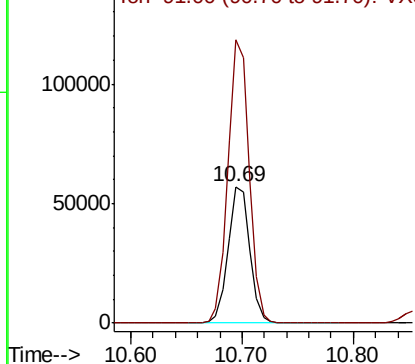
Tot Ion:106 Resp: 76615
Ion Ratio Lower Upper
106 100
91 203.7 102.7 308.1

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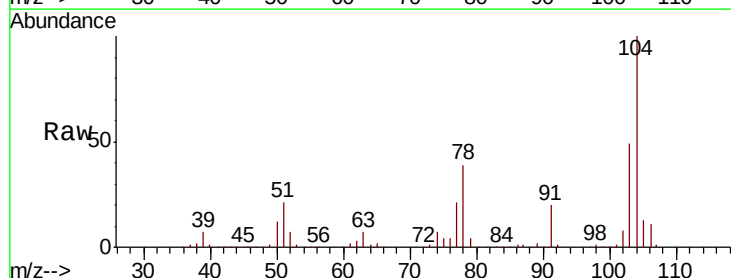


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

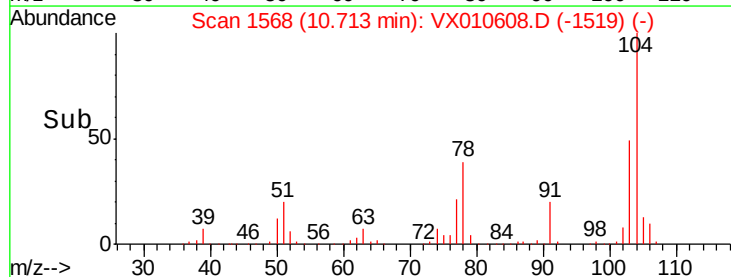
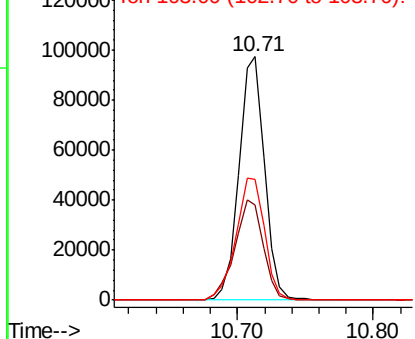


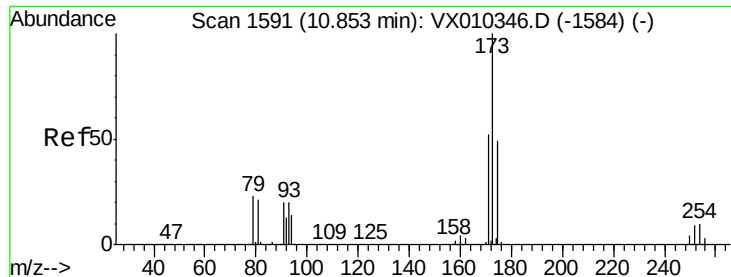
#70
Styrene
Concen: 18.448 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion:104 Resp: 127115
Ion Ratio Lower Upper
104 100
78 46.2 36.2 54.2
103 56.4 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 16.374 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0702WBS01

Tot Ion:173 Resp: 33126

Ion Ratio Lower Upper

173 100

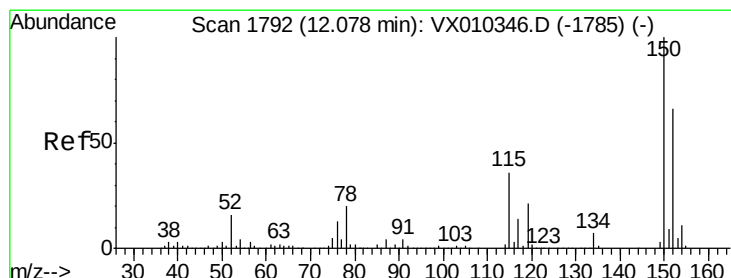
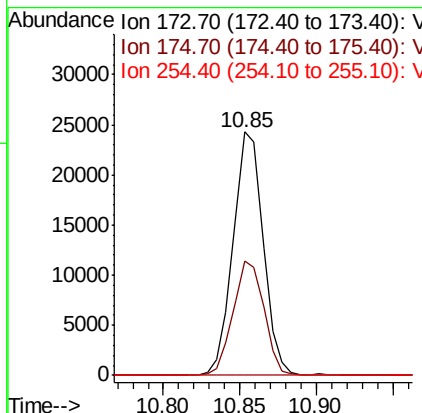
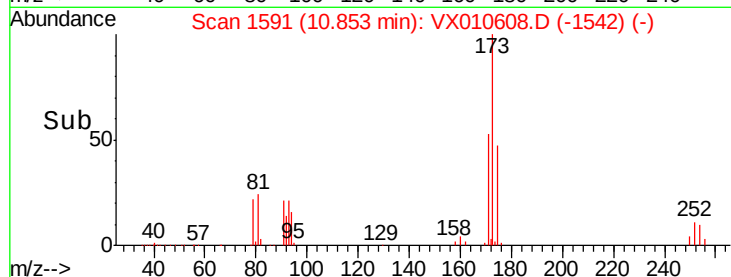
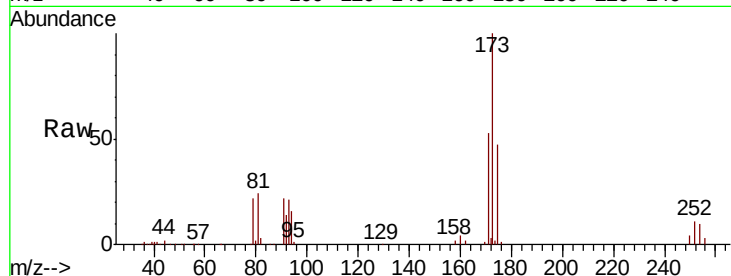
175 48.2 24.1 72.3

254 0.0 0.2 0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

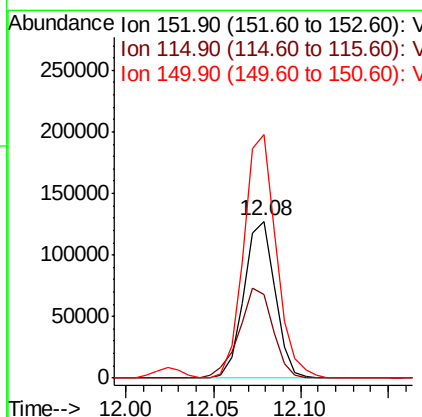
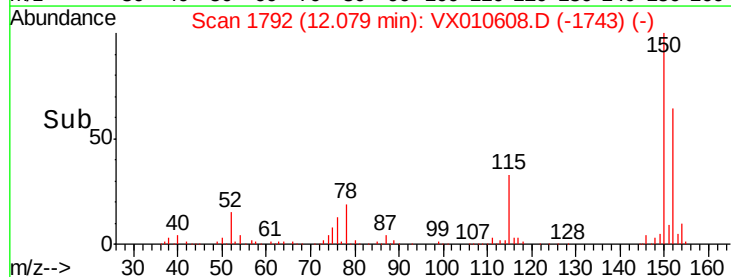
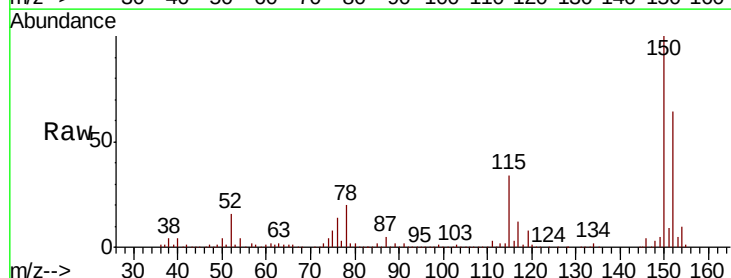
Tgt Ion:152 Resp: 157664

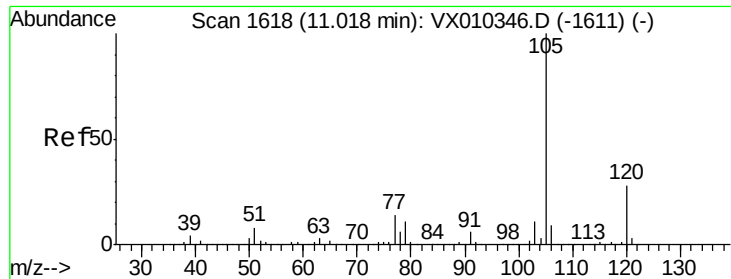
Ion Ratio Lower Upper

152 100

115 62.8 38.6 115.7

150 162.5 0.0 347.4





#73

Isopropylbenzene

Concen: 19.072 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0702WBS01

Tot Ion:105 Resp: 203832

Ion Ratio Lower Upper

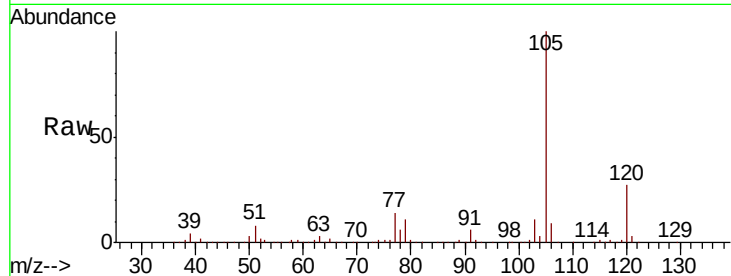
105 100

120 27.5 14.1 42.4

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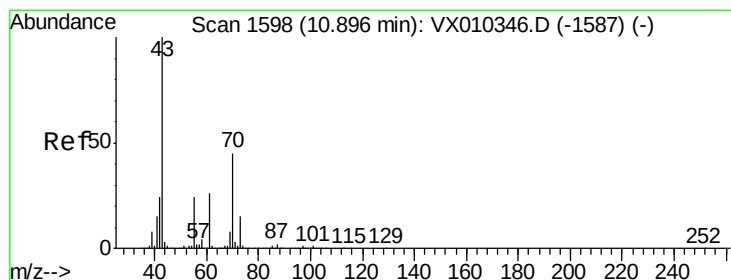
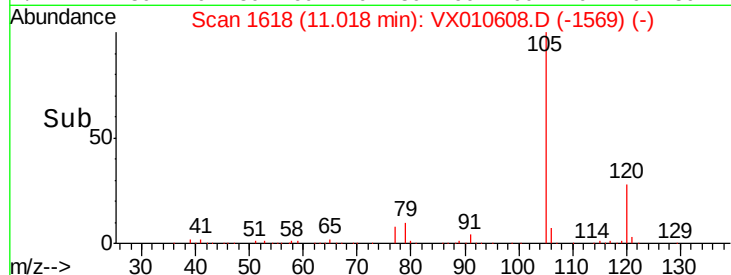
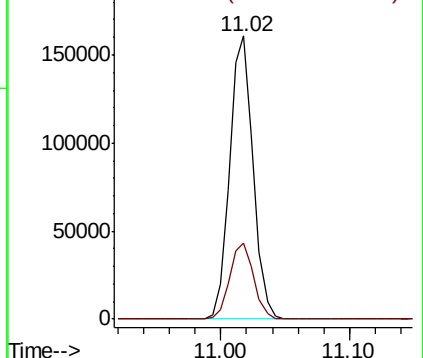
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.087 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Tgt Ion: 43 Resp: 77094

Ion Ratio Lower Upper

43 100

70 44.7 36.6 54.8

55 24.3 18.7 28.1

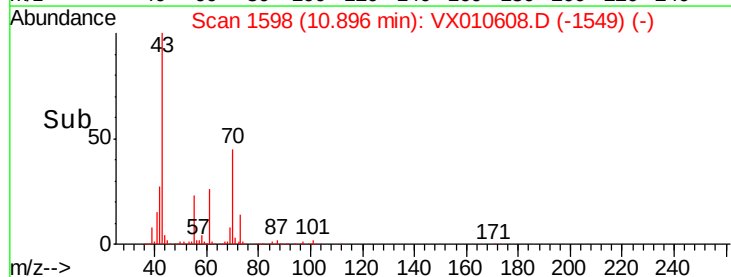
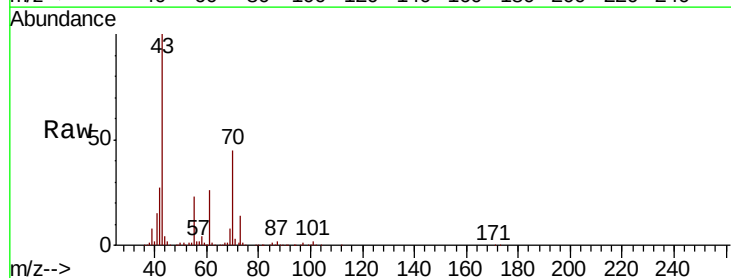
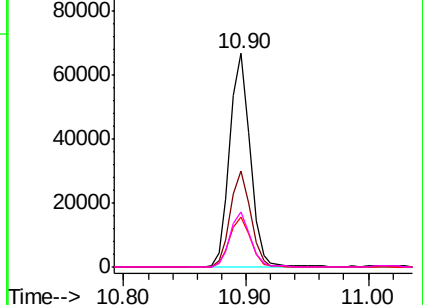
61 25.6 20.6 31.0

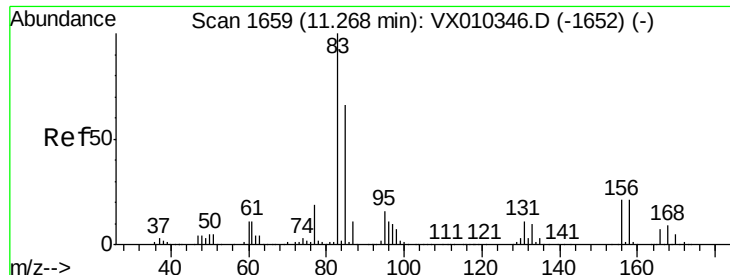
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.007 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Instrument :

MSVOA_X

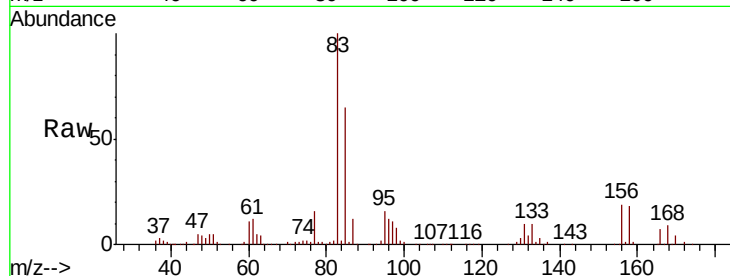
ClientSampled :

VX0702WBS01

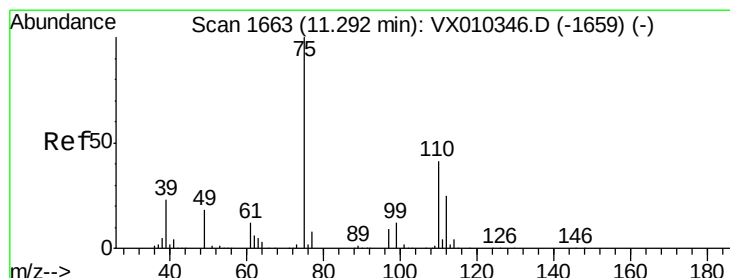
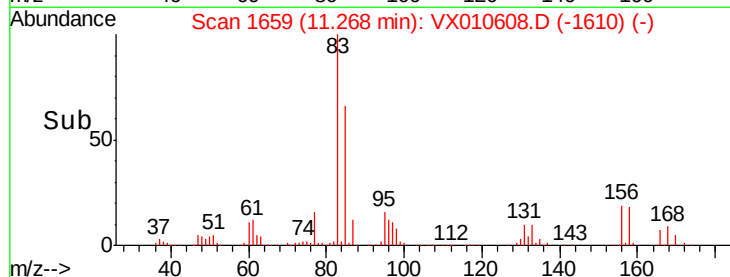
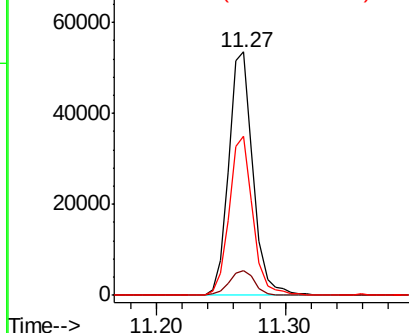
Tot Ion:	83	Resp:	70815
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.4
85	63.8	32.3	96.8

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.984 ug/l m

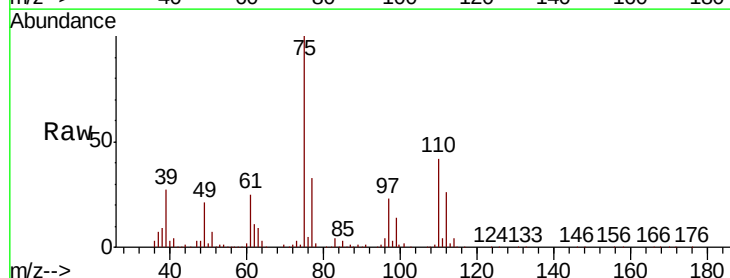
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

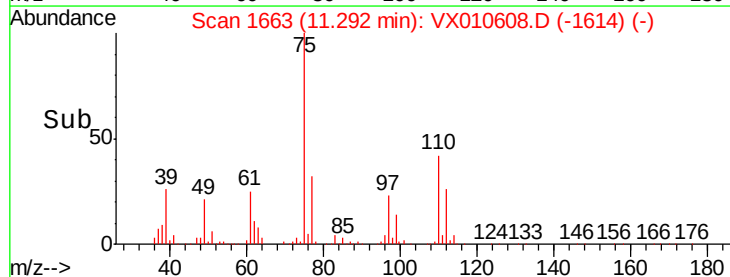
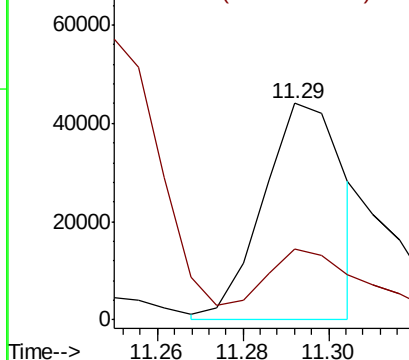
Lab File: VX010608.D

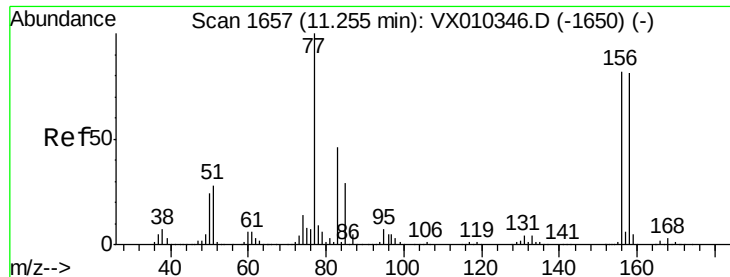
Acq: 02 Jul 2019 11:44

Tgt Ion:	75	Resp:	57415
Ion Ratio	Lower	Upper	
75	100		
77	42.2	22.6	67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.424 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Instrument :

MSVOA_X

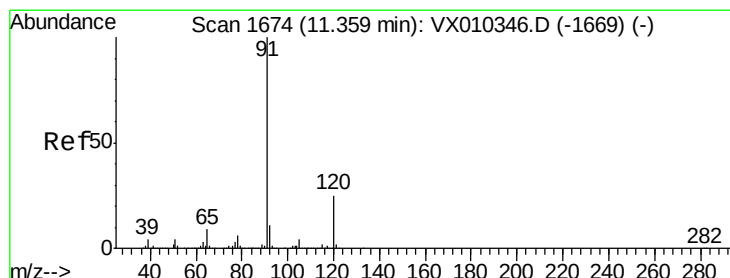
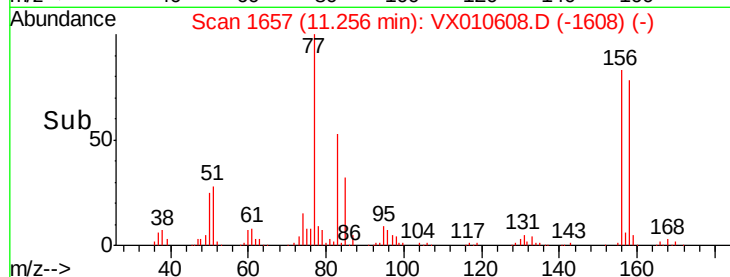
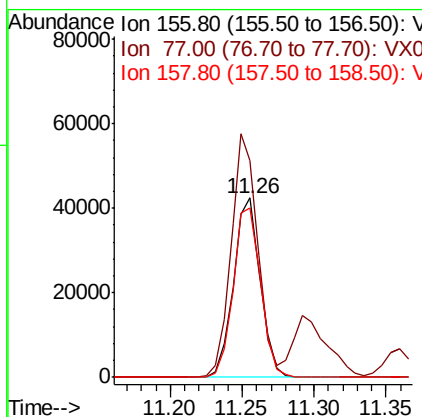
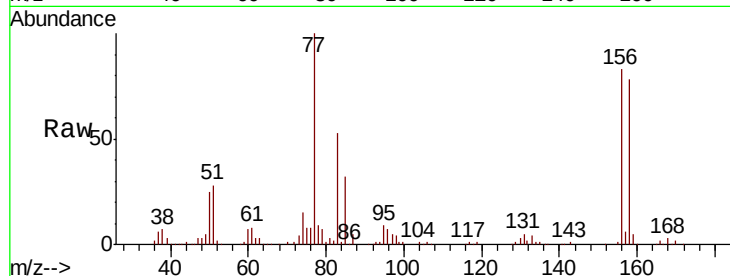
ClientSampleId :

VX0702WBS01

Tot Ion:	156	Resp:	54983
Ion	Ratio	Lower	Upper
156	100		
77	135.1	66.3	198.7
158	97.0	48.9	146.7

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#78

n-propylbenzene

Concen: 18.856 ug/l

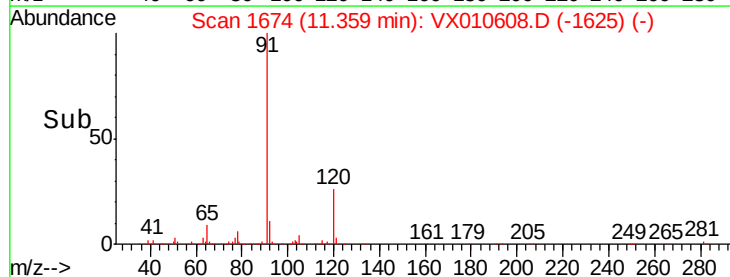
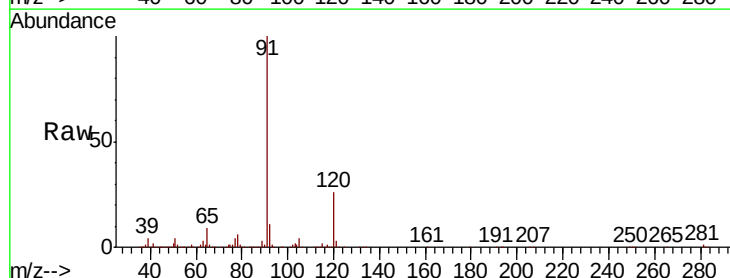
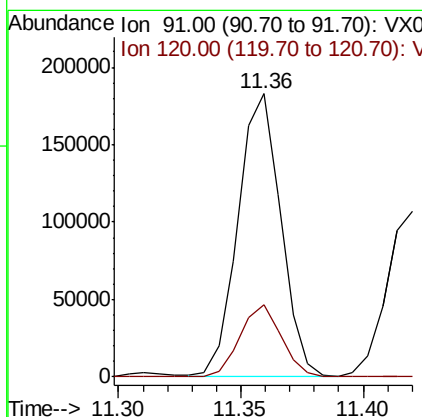
RT: 11.36 min Scan# 1674

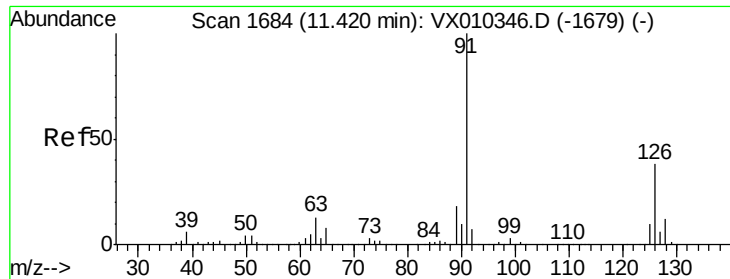
Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Tgt Ion:	91	Resp:	221486
Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.4	37.4





#79

2-Chlorotoluene

Concen: 18.773 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0702WBS01

Tot Ion: 91 Resp: 131309

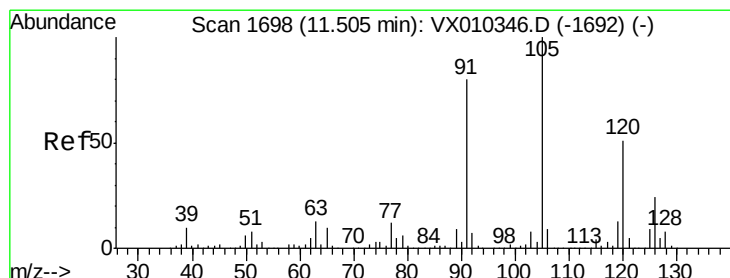
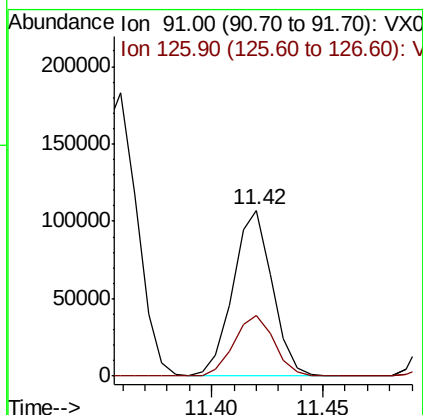
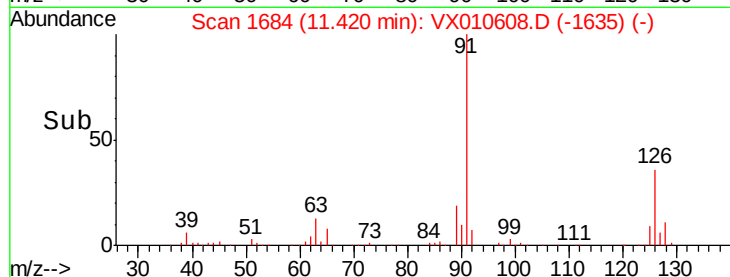
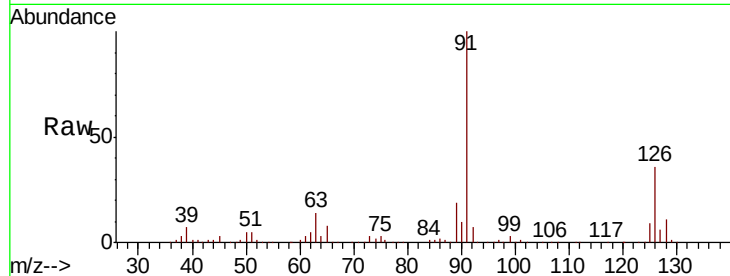
Ion Ratio Lower Upper

91 100

126 37.5 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 18.739 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010608.D

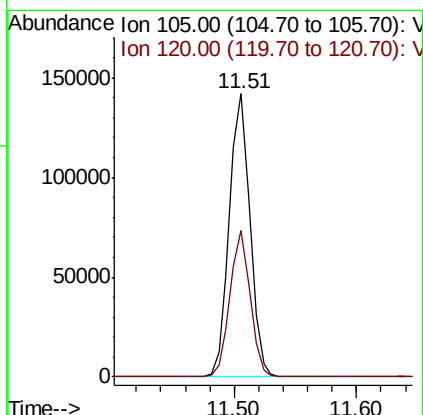
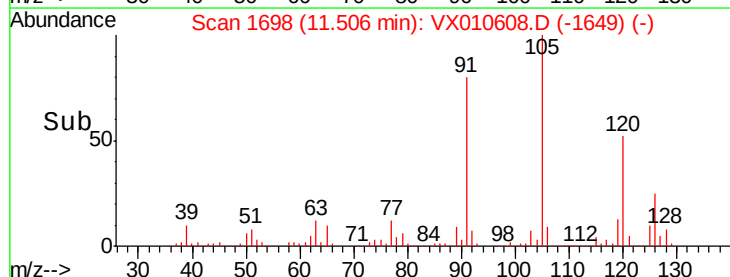
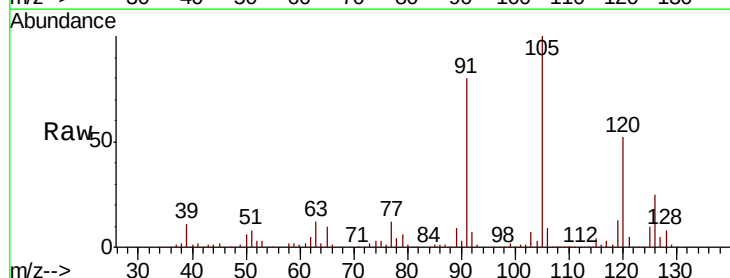
Acq: 02 Jul 2019 11:44

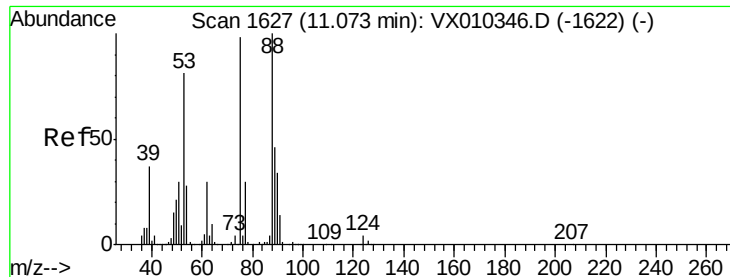
Tgt Ion: 105 Resp: 165103

Ion Ratio Lower Upper

105 100

120 50.5 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 15.487 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Instrument :

MSVOA_X

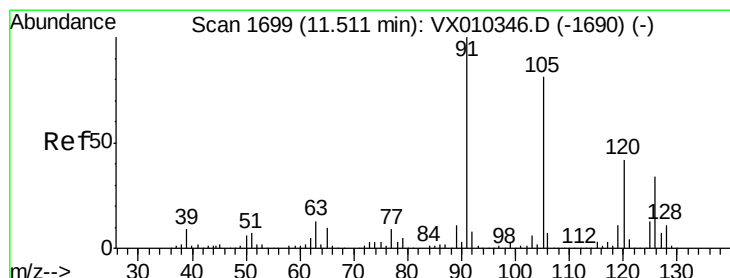
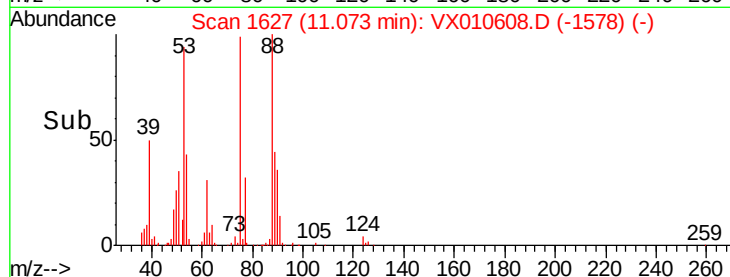
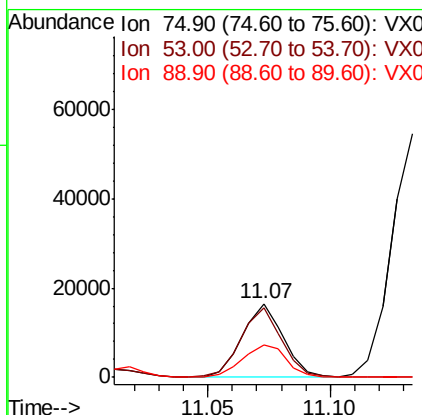
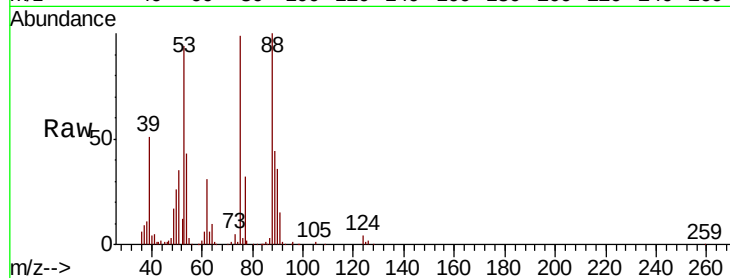
ClientSampleId :

VX0702WBS01

Tot Ion:	75	Resp:	19073
Ion Ratio	Lower	Upper	
75	100		
53	96.4	66.1	99.1
89	47.9	37.8	56.6

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#82

4-Chlorotoluene

Concen: 19.183 ug/l

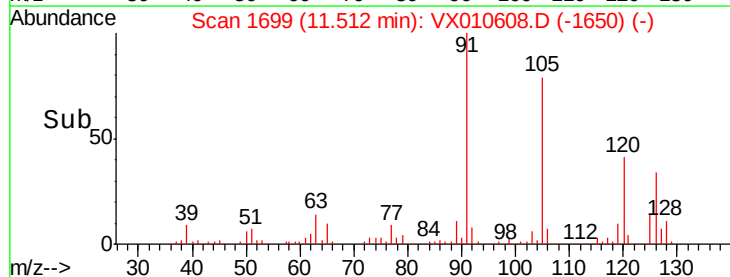
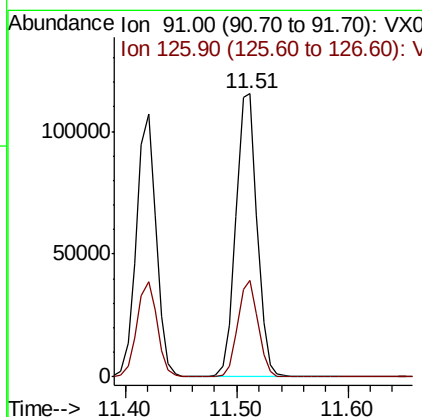
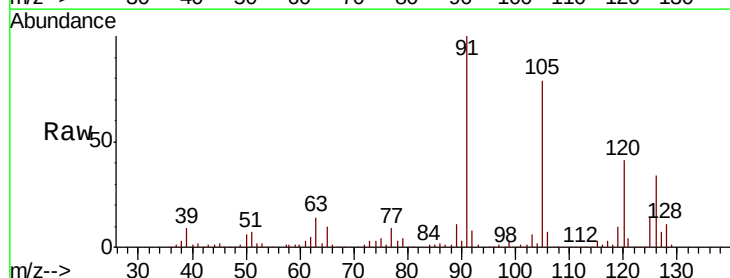
RT: 11.51 min Scan# 1699

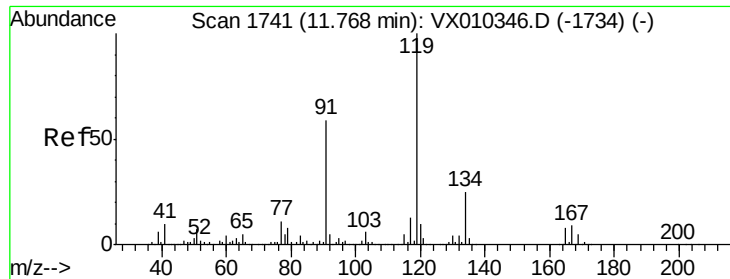
Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Tgt Ion:	91	Resp:	152676
Ion Ratio	Lower	Upper	
91	100		
126	32.5	16.2	48.6





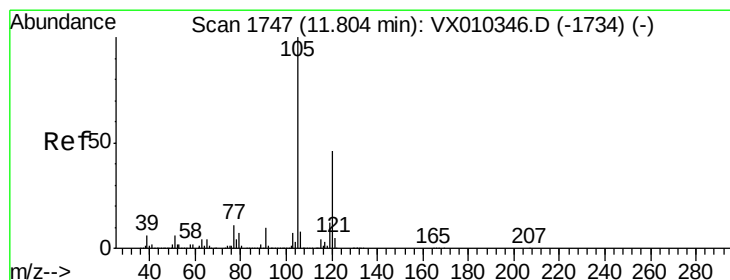
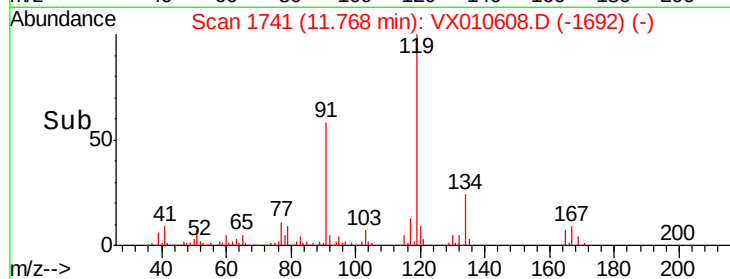
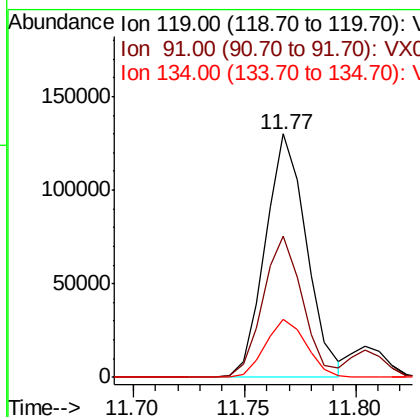
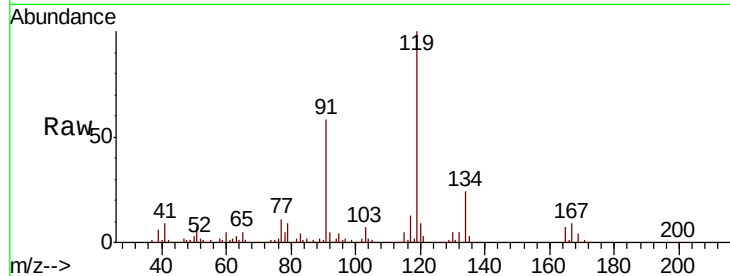
#83
 tert-Butylbenzene
 Concen: 18.912 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0702WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	167240		
91	56.3		27.6	82.7
134	23.7		11.8	35.4

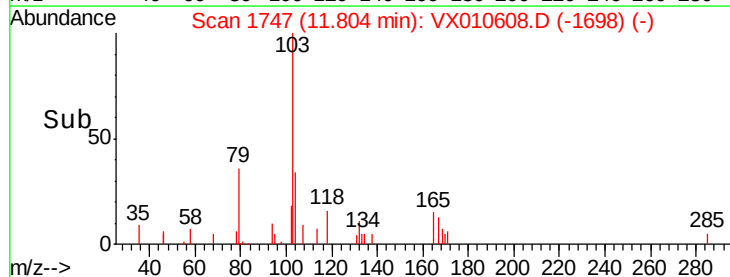
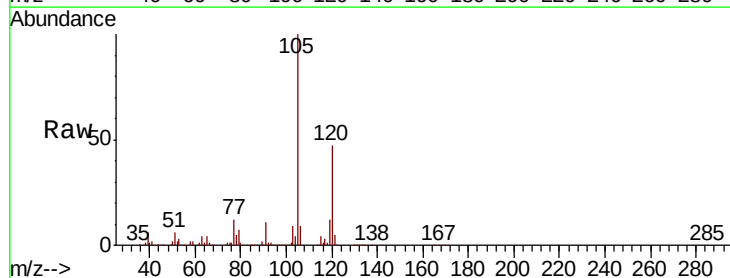
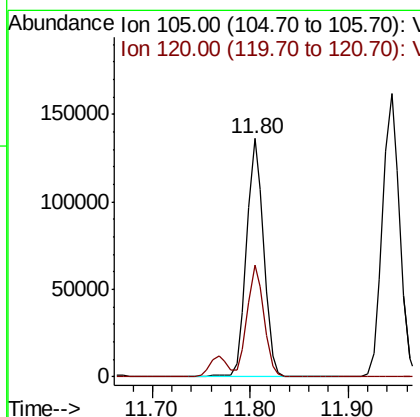
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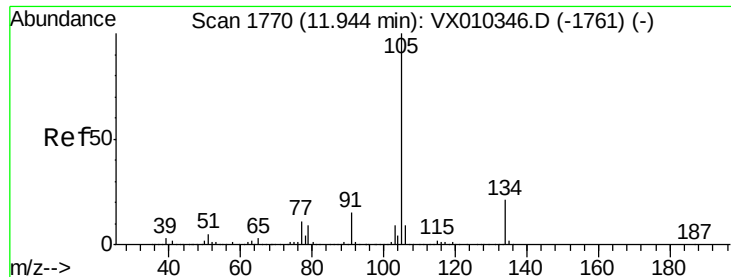
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.745 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	165934		
120	45.5		23.1	69.2





#85

sec-Butylbenzene

Concen: 19.017 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0702WBS01

Tot Ion:105 Resp: 197457

Ion Ratio Lower Upper

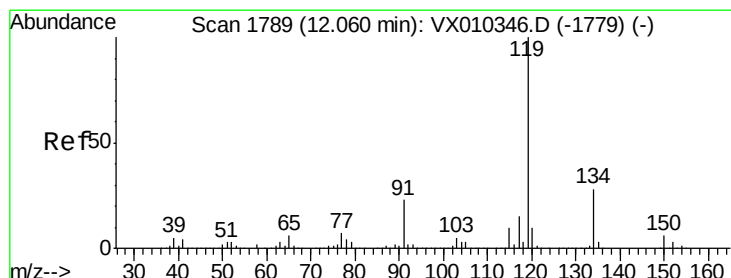
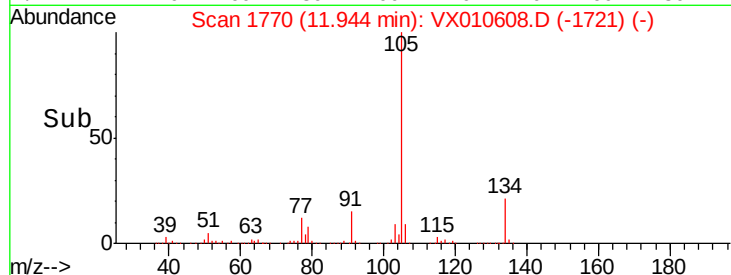
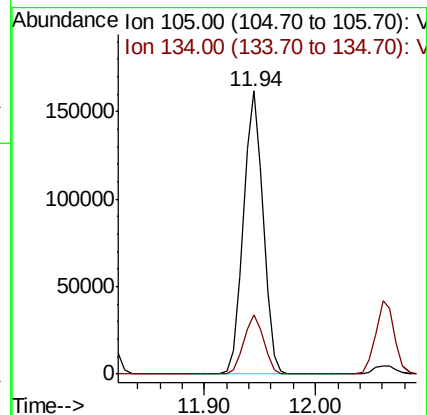
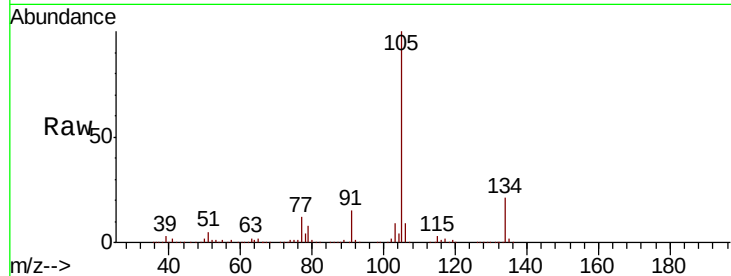
105 100

134 21.1 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 18.298 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010608.D

Acq: 02 Jul 2019 11:44

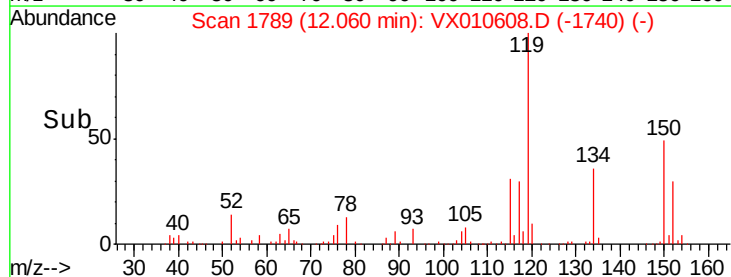
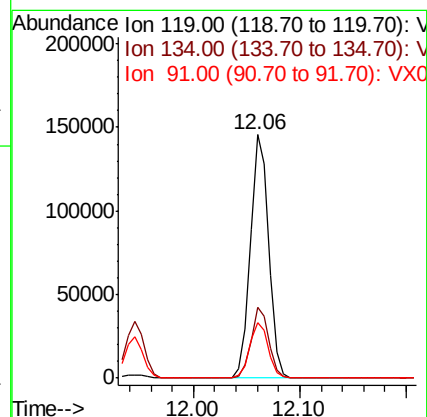
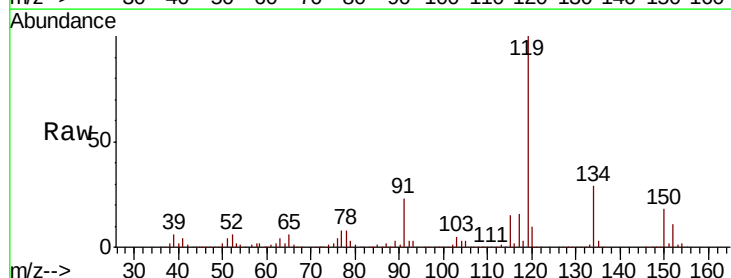
Tgt Ion:119 Resp: 175738

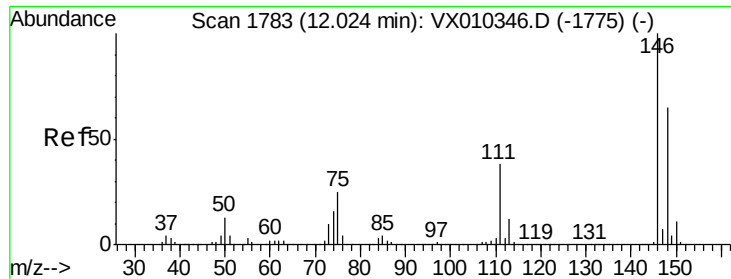
Ion Ratio Lower Upper

119 100

134 28.2 13.7 41.1

91 22.6 11.3 33.8





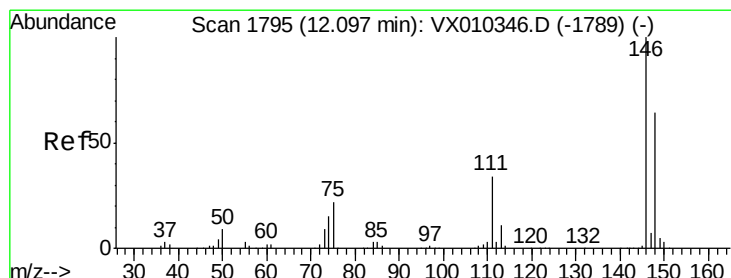
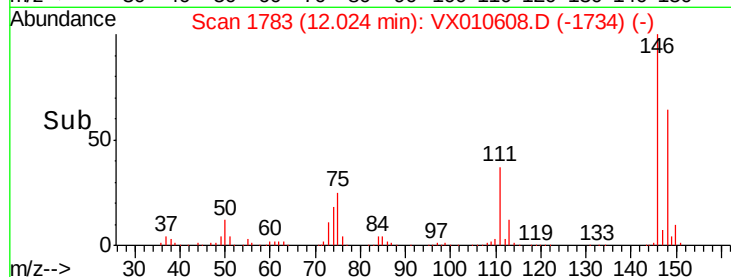
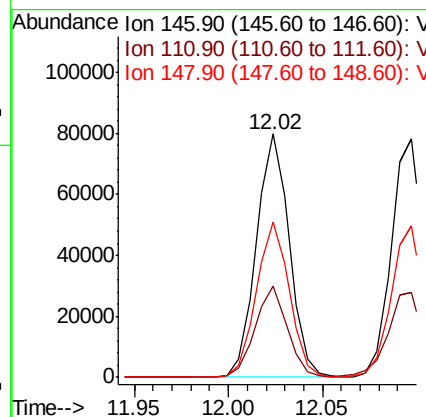
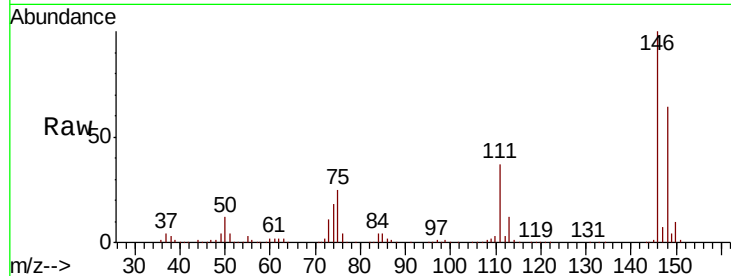
#87
 1,3-Dichlorobenzene
 Concen: 18.517 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0702WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.1	57.1
148	64.2	32.5	97.4

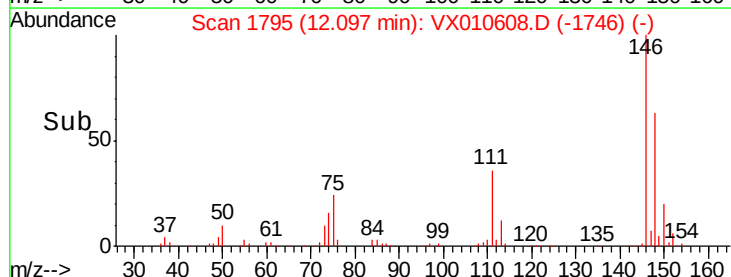
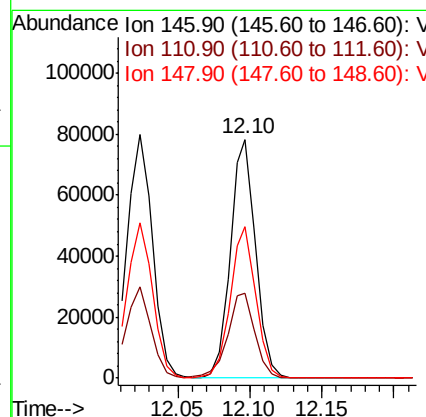
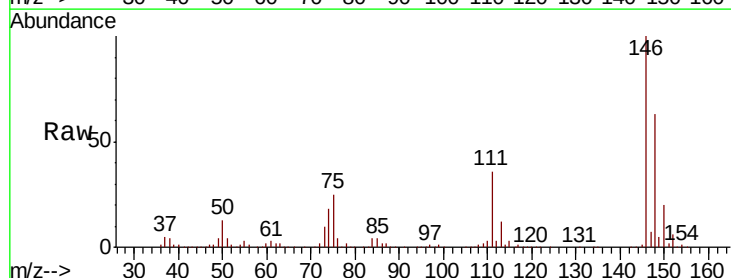
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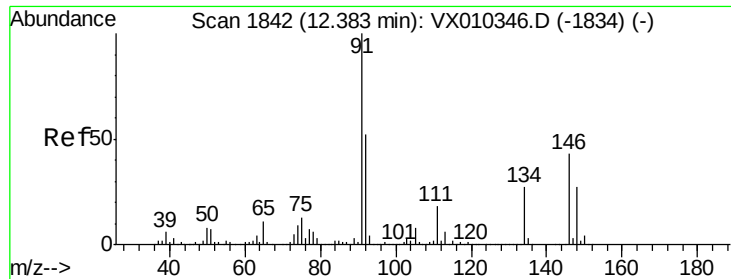
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#88
 1,4-Dichlorobenzene
 Concen: 18.235 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.1	54.3
148	64.1	32.1	96.3





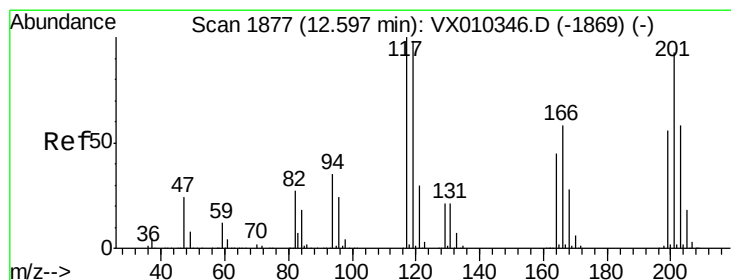
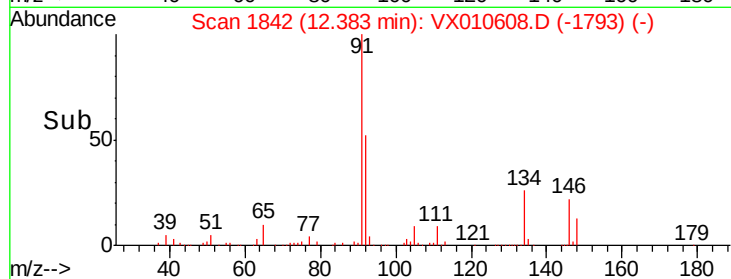
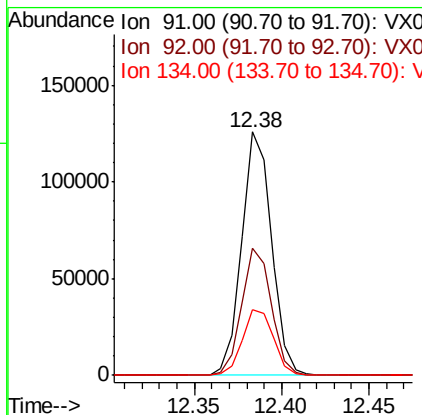
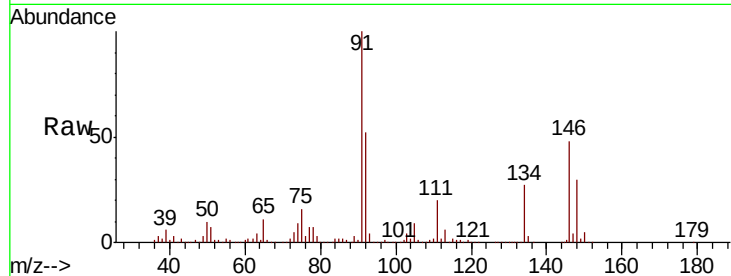
#89
n-Butylbenzene
Concen: 18.342 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.5
134	28.1	14.1	42.4

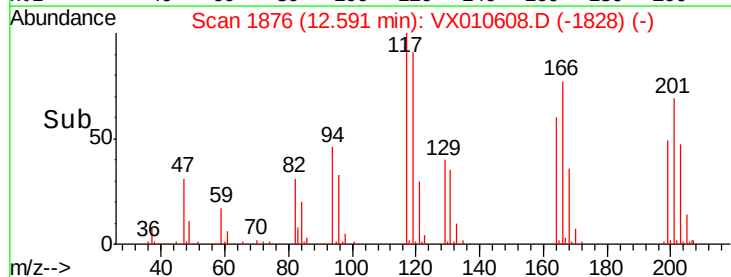
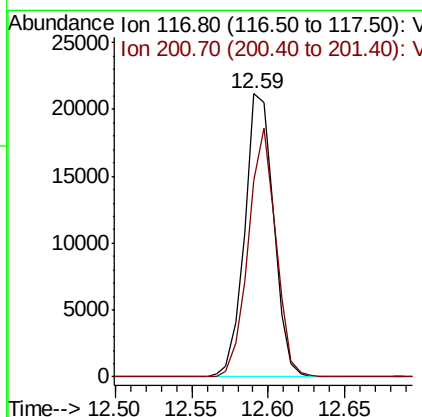
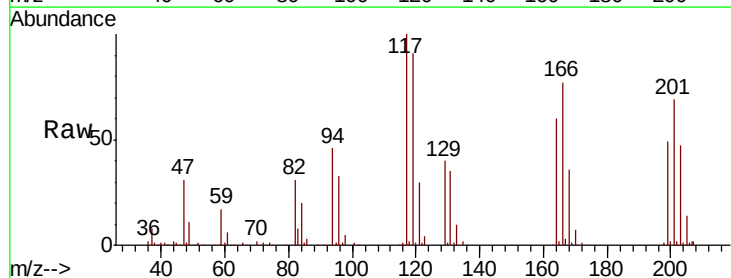
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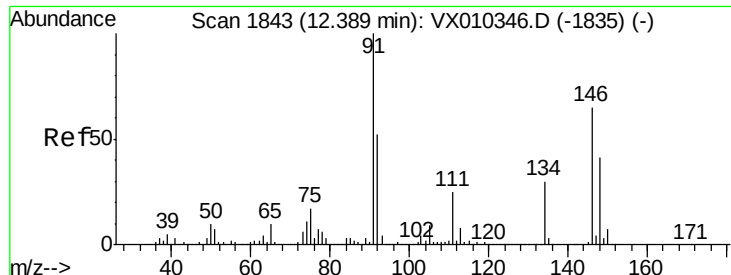
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#90
Hexachloroethane
Concen: 16.783 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.4	44.0	131.8





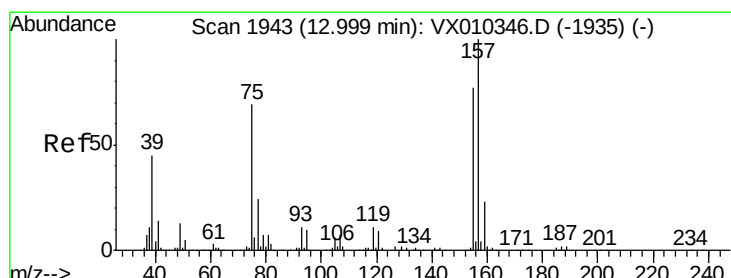
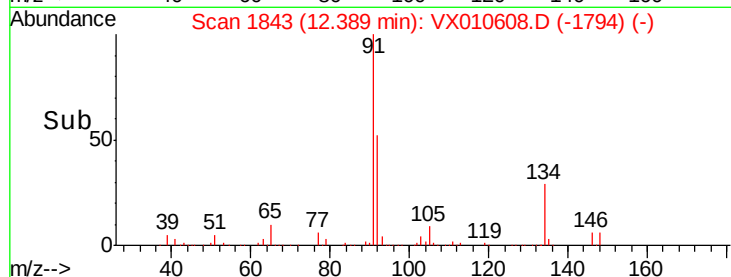
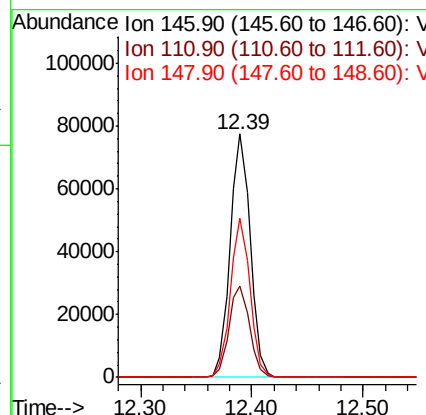
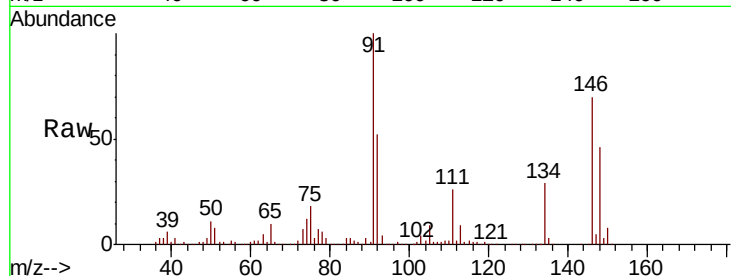
#91
1,2-Dichlorobenzene
Concen: 18.767 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.2	57.6
148	63.3	32.0	96.0

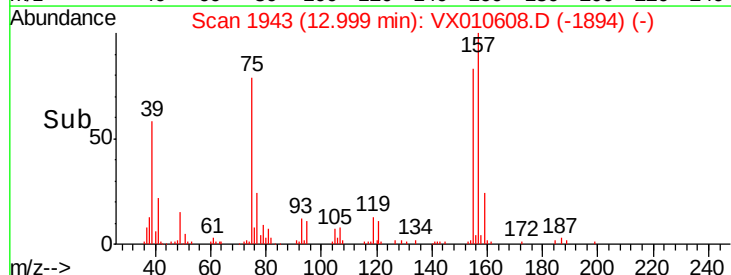
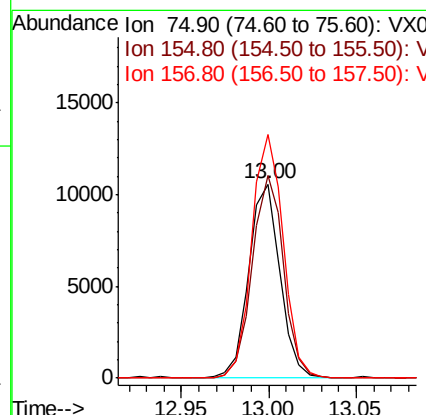
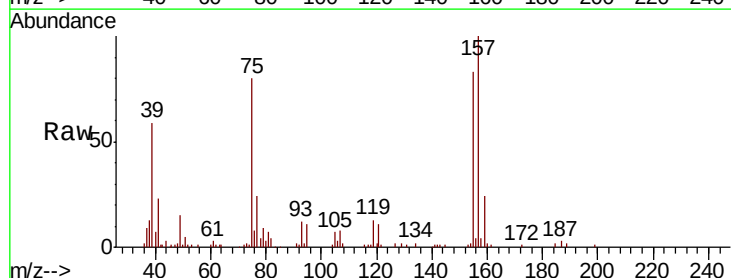
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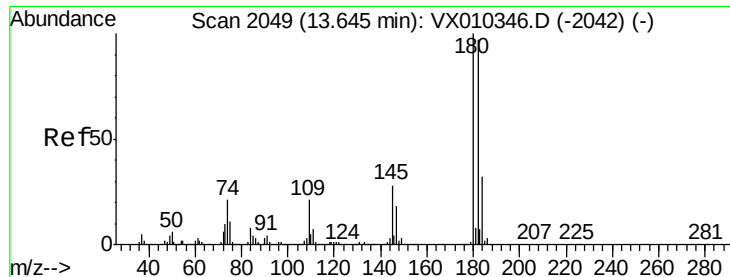
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#92
1,2-Dibromo-3-Chloropropane
Concen: 17.223 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.2	54.4	163.1
157	127.0	69.5	208.3





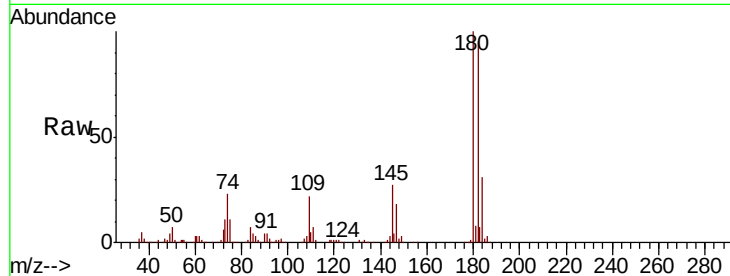
#93
 1,2,4-Trichlorobenzene
 Concen: 17.978 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0702WBS01

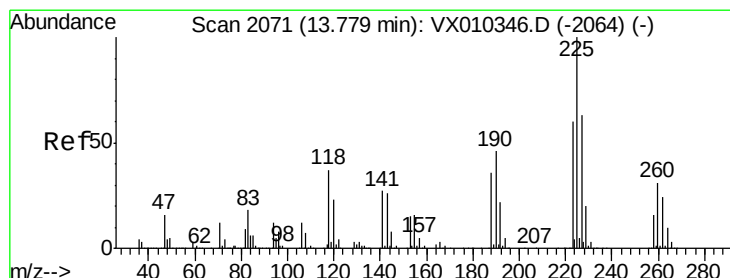
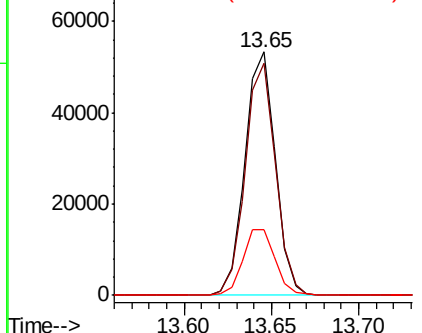
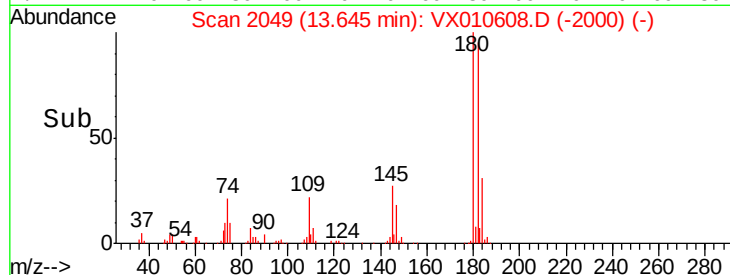
Tot Ion	Ratio	Resp	Lower	Upper
180	100	64549		
182	94.9	48.0	144.0	
145	28.5	14.4	43.4	

Manual Integrations
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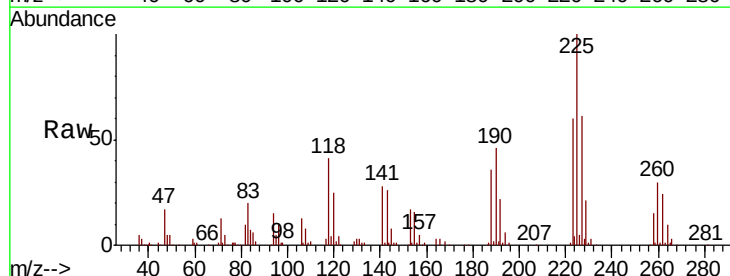


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

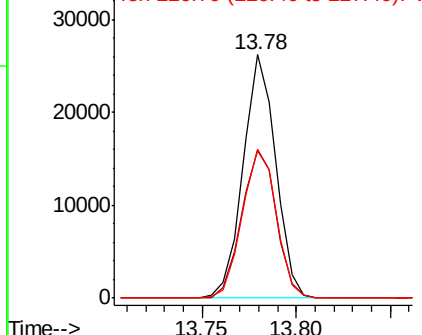
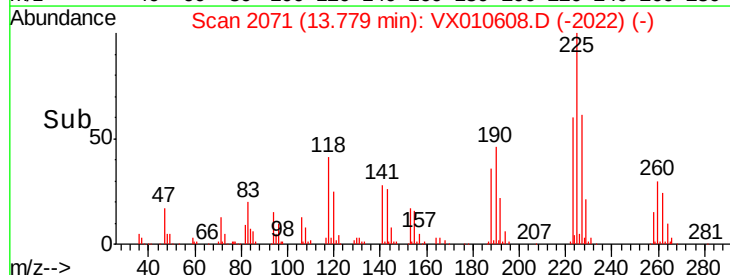


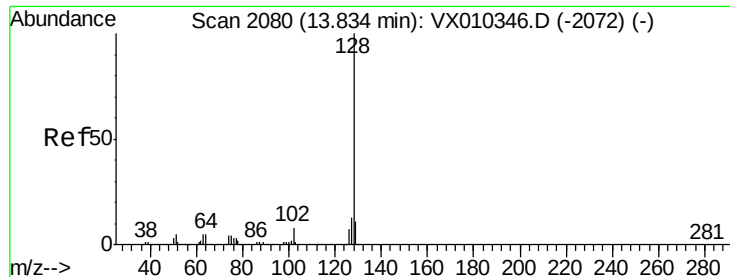
#94
 Hexachlorobutadiene
 Concen: 17.955 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010608.D
 Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	31506		
223	64.0	30.9	92.7	
227	63.9	31.9	95.5	



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





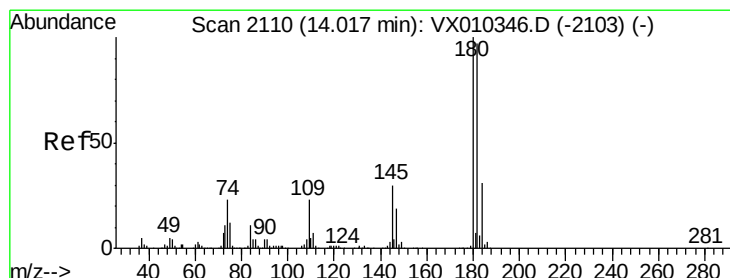
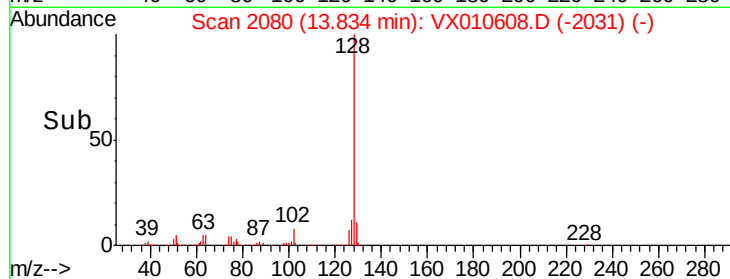
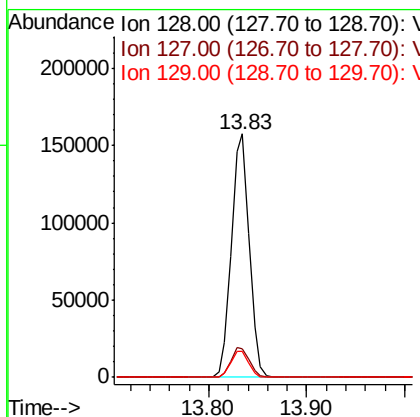
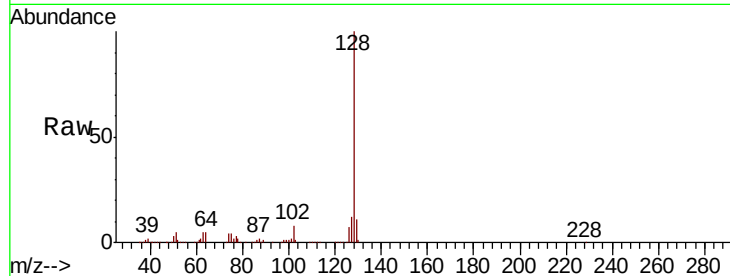
#95
Naphthalene
Concen: 18.064 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:29:38 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.511 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010608.D
Acq: 02 Jul 2019 11:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.8	143.3
145	29.5	15.2	45.6

