

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031519\
 Data File : VX008107.D
 Acq On : 15 Mar 2019 14:56
 Operator : JC/SP
 Sample : VX0315WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0315WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 10:33:07 AM

Quant Time: Mar 16 01:03:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	41856	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	223681	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	196761	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	76693	27.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	92.93%
60) 4-Bromofluorobenzene	11.13	95	90357	28.77	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.90%
63) Toluene-d8	8.71	98	267291	29.68	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	38442	15.471	ug/l 99
3) Chloromethane	1.33	50	36235	13.114	ug/l 97
4) Vinyl Chloride	1.41	62	37785	13.805	ug/l 97
5) Bromomethane	1.64	94	23136	16.955	ug/l 100
6) Chloroethane	1.73	64	23494	14.698	ug/l 95
7) Trichlorofluoromethane	1.93	101	52930	15.530	ug/l 96
8) Diethyl Ether	2.19	74	27731	15.799	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	42235	16.482	ug/l 94
10) 1,1-Dichloroethene	2.38	96	40754	16.780	ug/l 94
11) Methyl Iodide	2.51	142	64524	16.971	ug/l 91
12) Methyl Acetate	2.78	43	53906	14.034	ug/l 97
13) Acrolein	2.30	56	35039	77.753	ug/l 98
14) Acrylonitrile	3.15	53	123785	75.915	ug/l 99
15) Acetone	2.45	58	36244	61.566	ug/l 96
16) Carbon Disulfide	2.57	76	114653	15.046	ug/l 99
17) Allyl chloride	2.73	41	67016	13.459	ug/l 93
18) Methylene Chloride	2.86	84	43980	15.895	ug/l 91
19) trans-1,2-Dichloroethene	3.17	96	42643	16.594	ug/l 96
20) Diisopropyl ether	3.87	45	139874	15.355	ug/l 95
21) 1,1-Dichloroethane	3.70	63	79659	16.079	ug/l 98
22) cis-1,2-Dichloroethene	4.59	96	50962	17.192	ug/l 98
23) tert-Butyl Alcohol	3.07	59	53927	81.978	ug/l 100
24) Methyl tert-Butyl Ether	3.21	73	134620	16.121	ug/l 93
25) Chloroform	5.21	83	80346	17.182	ug/l 97
26) Cyclohexane	5.57	56	69881	15.264	ug/l # 97
29) 1,1-Dichloropropene	5.80	75	59086	16.660	ug/l 98
30) 2-Butanone	4.70	43	180171	75.320	ug/l 99
31) 2,2-Dichloropropane	4.58	77	55540	16.954	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	66990	17.467	ug/l 100
33) Carbon Tetrachloride	5.79	117	59557	17.508	ug/l 96
34) Benzene	6.15	78	183515	16.884	ug/l 98
35) Methacrylonitrile	5.06	41	36041	15.462	ug/l 97
36) 1,2-Dichloroethane	6.20	62	59818	16.916	ug/l 99
37) Trichloroethene	7.21	130	53772	18.260	ug/l 100
38) Methylcyclohexane	7.46	83	72153	16.001	ug/l 98
39) 1,2-Dichloropropane	7.52	63	47177	16.644	ug/l 100
40) Dibromomethane	7.66	93	31795	17.684	ug/l 90

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Quant Time: Mar 16 01:03:33 2019
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	56984	16.767	ug/l	99
42) Vinyl Acetate	3.82	43	603000	77.874	ug/l	99
43) Ethyl Acetate	4.85	43	65308	15.674	ug/l #	81
44) Isopropyl Acetate	6.46	43	99214	15.606	ug/l	97
45) 1,4-Dioxane	7.75	88	24612	370.026	ug/l	96
46) Methyl methacrylate	7.77	41	51720	15.468	ug/l	94
47) n-amyl Acetate	10.90	43	81593	14.895	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	59078	16.051	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	67896	16.291	ug/l	95
50) 1,1,2-Trichloroethane	9.21	97	49017	17.885	ug/l	96
51) Ethyl methacrylate	9.18	69	69301	16.674	ug/l	93
52) 1,3-Dichloropropane	9.37	76	77802	17.181	ug/l	98
53) Dibromochloromethane	9.58	129	48772	17.301	ug/l	99
54) 1,2-Dibromoethane	9.67	107	50824	17.739	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	179225	92.714	ug/l	98
56) Bromoform	10.85	173	39083	17.381	ug/l #	97
58) 4-Methyl-2-Pentanone	8.65	43	331412	81.810	ug/l	97
59) 2-Hexanone	9.49	43	252916	79.091	ug/l	97
61) Tetrachloroethene	9.34	164	54920	19.134	ug/l	94
62) Toluene	8.79	91	197482	17.188	ug/l	99
64) Chlorobenzene	10.14	112	129746	17.718	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	47777	18.223	ug/l	100
66) Ethyl Benzene	10.25	91	210181	17.031	ug/l	97
67) m/p-Xylenes	10.36	106	165659	35.008	ug/l	100
68) o-Xylene	10.69	106	80018	17.414	ug/l	99
69) Styrene	10.71	104	131729	17.399	ug/l	98
70) Isopropylbenzene	11.02	105	214876	17.500	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	70772	17.452	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	67640m	17.696	ug/l	
73) Bromobenzene	11.26	156	59571	18.250	ug/l	98
74) n-propylbenzene	11.36	91	233467	16.857	ug/l	100
75) 2-Chlorotoluene	11.42	91	141563	17.053	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	178828	17.574	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	19114	16.185	ug/l	90
78) 4-Chlorotoluene	11.51	91	160330	17.082	ug/l	97
79) tert-butylbenzene	12.06	119	190515	17.447	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	179167	17.348	ug/l	99
81) sec-Butylbenzene	11.94	105	207726	16.983	ug/l	99
82) p-Isopropyltoluene	12.06	119	190515	17.447	ug/l	97
83) 1,3-Dichlorobenzene	12.02	146	103910	17.879	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	102504	17.628	ug/l	98
85) n-Butylbenzene	12.39	91	147361	15.779	ug/l	99
86) Hexachloroethane	12.60	117	29531	16.598	ug/l	77
87) 1,2-Dichlorobenzene	12.39	146	104592	18.210	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	14434	17.426	ug/l	92
89) 1,2,4-Trichlorobenzene	13.65	180	71501	17.322	ug/l	97
90) Hexachlorobutadiene	13.78	225	39504	17.352	ug/l	99
91) Naphthalene	13.83	128	211128	17.843	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	72337	17.631	ug/l	99

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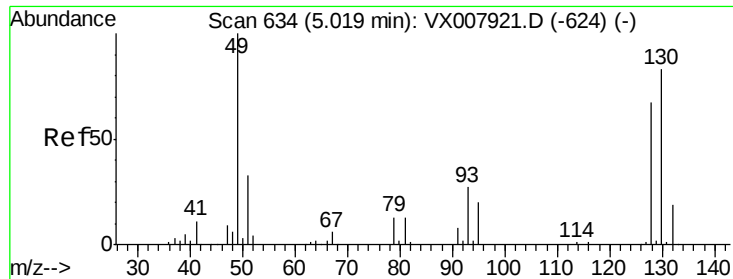
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Instrument :

MSVOA_X

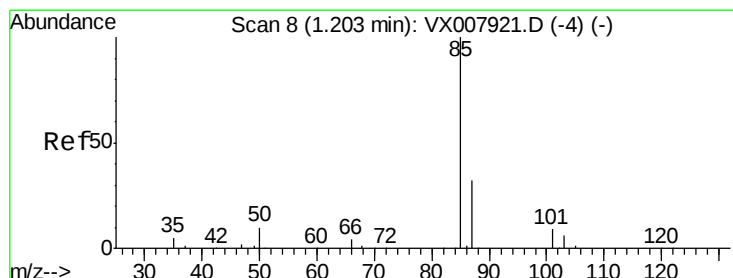
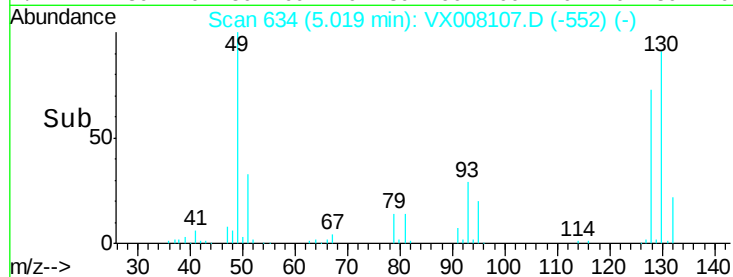
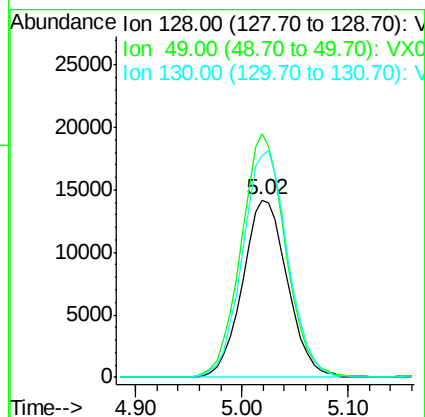
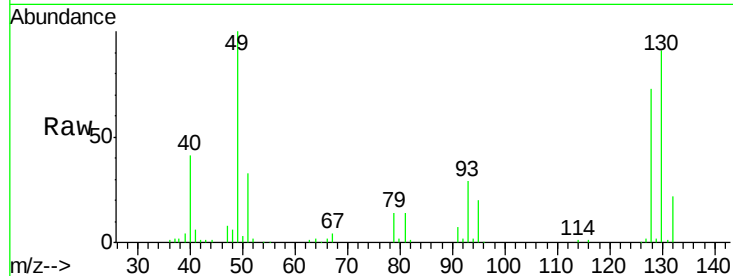
ClientSampleId :

VX0315WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	136.1	0.0	350.8
130	129.0	0.0	325.8

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#2

Dichlorodifluoromethane

Concen: 15.471 ug/l

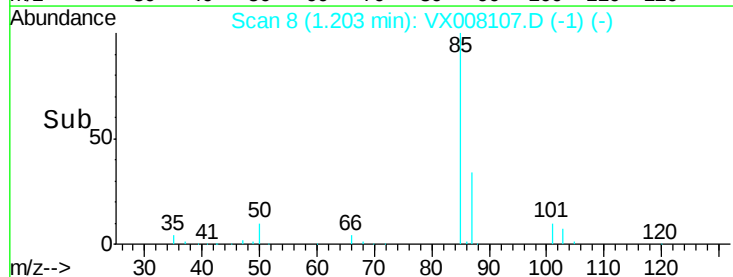
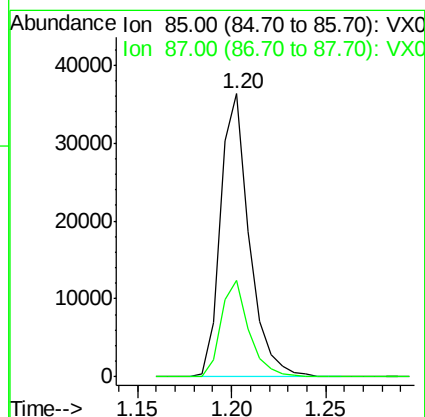
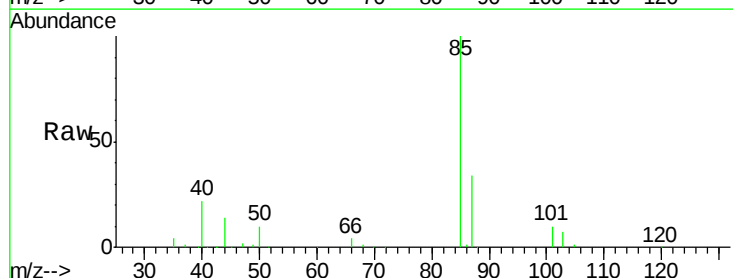
RT: 1.20 min Scan# 8

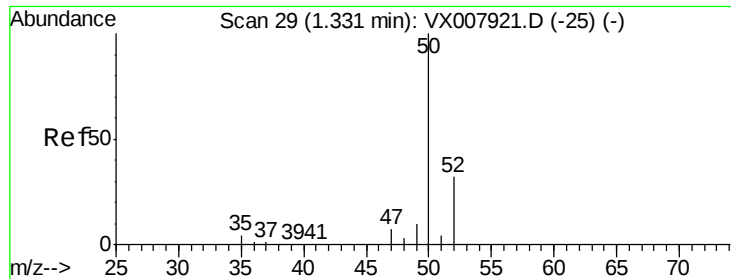
Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.6	49.8





#3

Chloromethane

Concen: 13.114 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

VX0315WBSD01

Tot Ion: 50 Resp: 36235

Ion Ratio Lower Upper

50 100

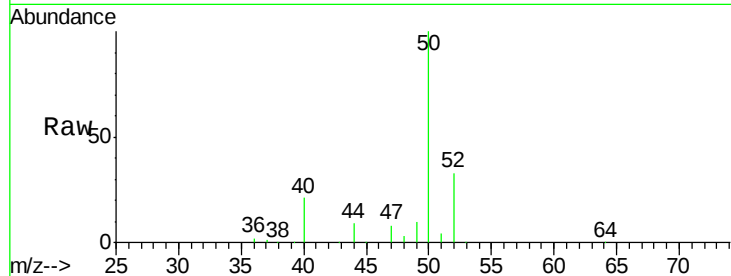
52 33.0 27.5 41.3

Manual Integrations

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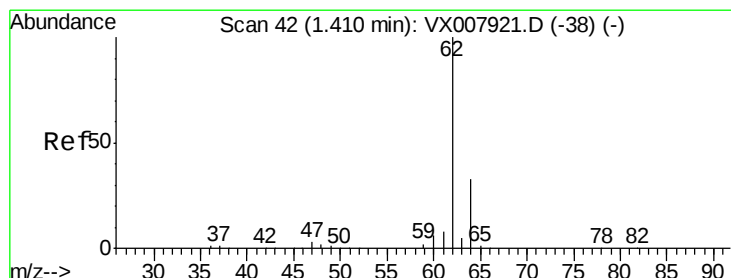
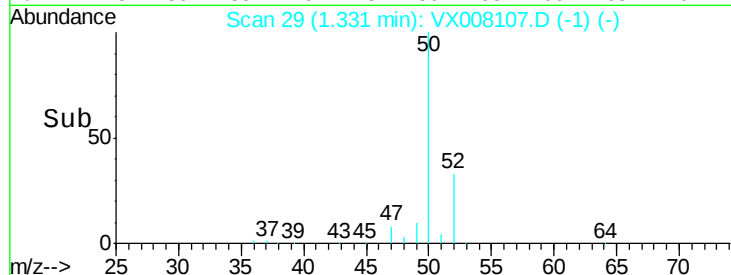
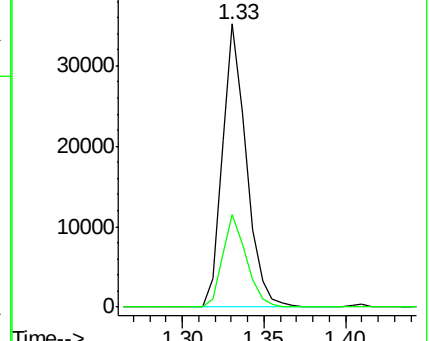
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 13.805 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008107.D

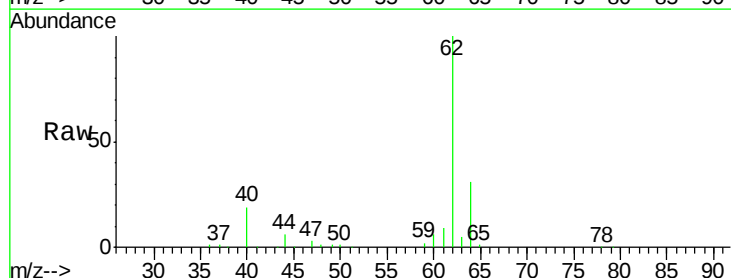
Acq: 15 Mar 2019 14:56

Tgt Ion: 62 Resp: 37785

Ion Ratio Lower Upper

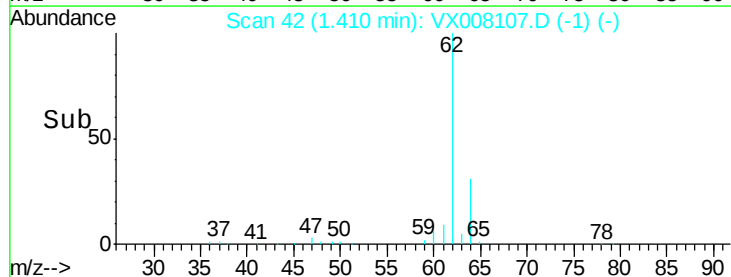
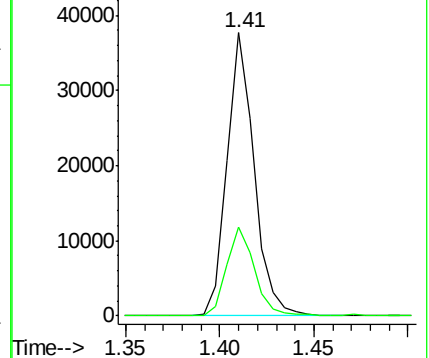
62 100

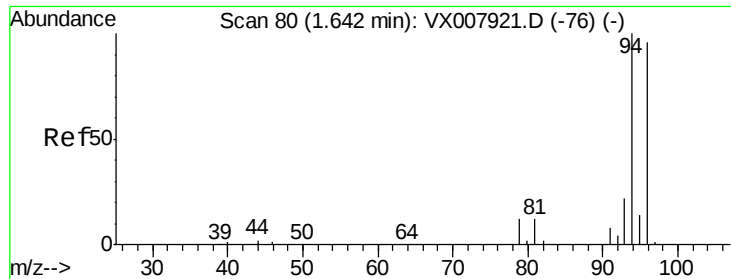
64 31.0 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 16.955 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

VX0315WBSD01

Tot Ion: 94 Resp: 23136

Ion Ratio Lower Upper

94 100

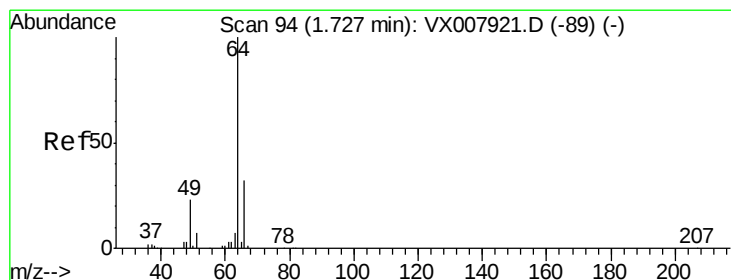
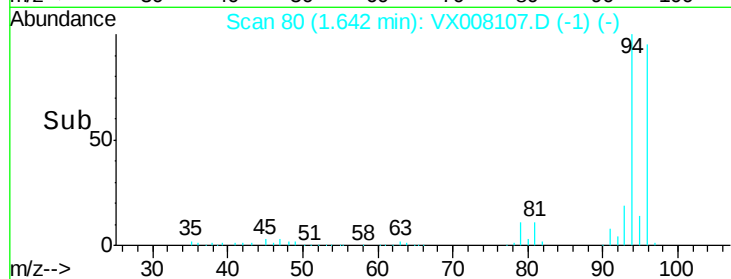
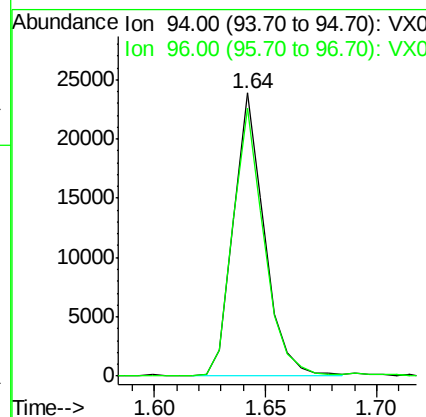
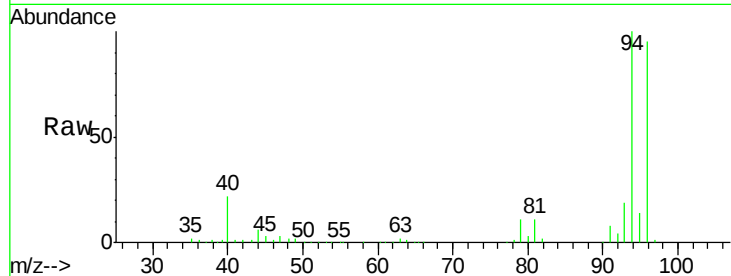
96 94.9 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 14.698 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.00 min

Lab File: VX008107.D

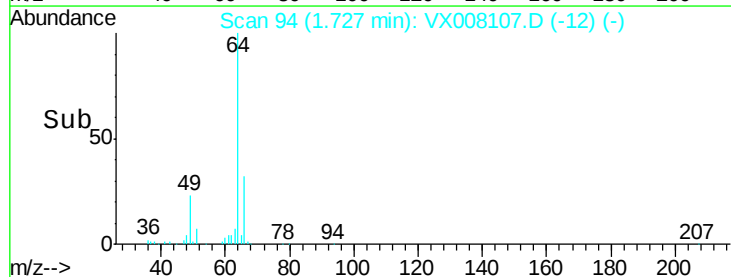
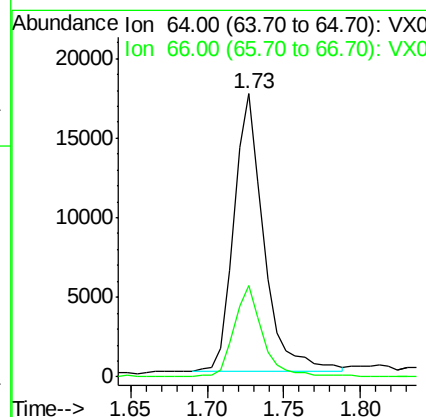
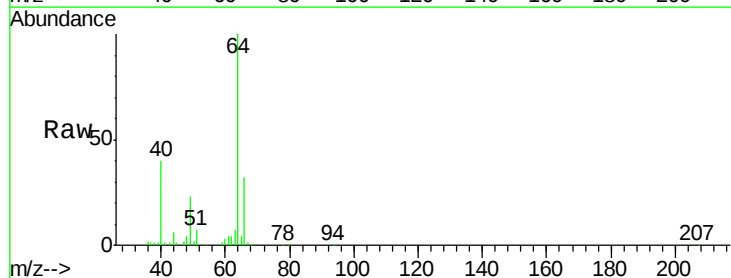
Acq: 15 Mar 2019 14:56

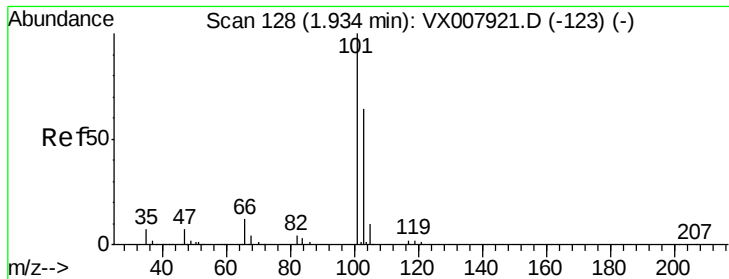
Tgt Ion: 64 Resp: 23494

Ion Ratio Lower Upper

64 100

66 32.4 23.9 35.9





#7

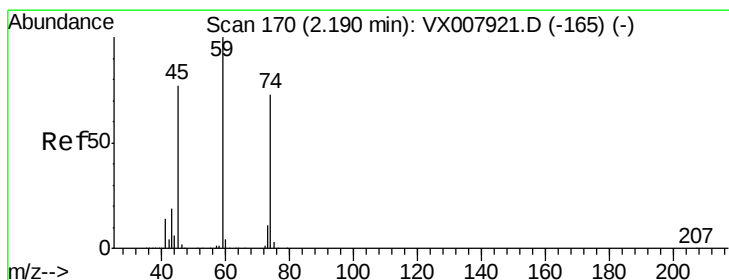
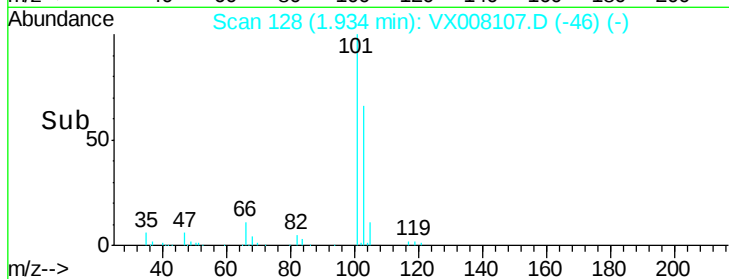
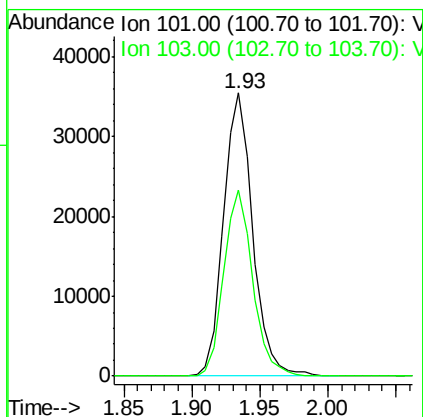
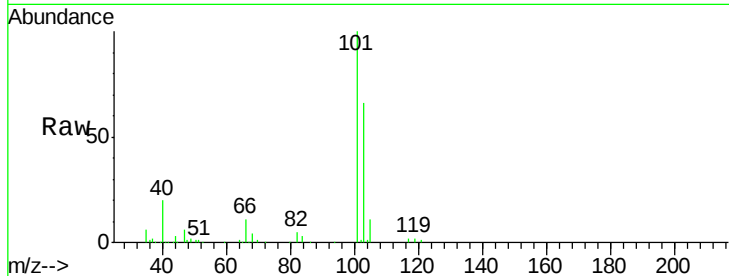
Trichlorofluoromethane
 Concen: 15.530 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		52930		
103	65.8	50.4	75.6		

Manual Integrations
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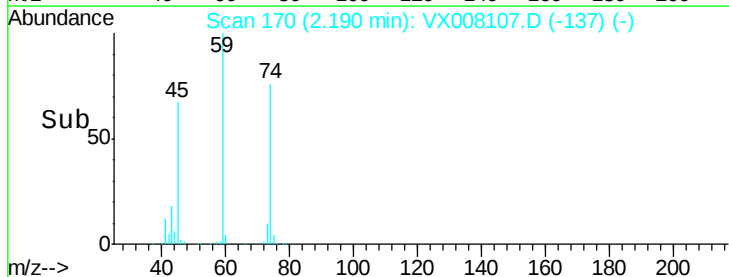
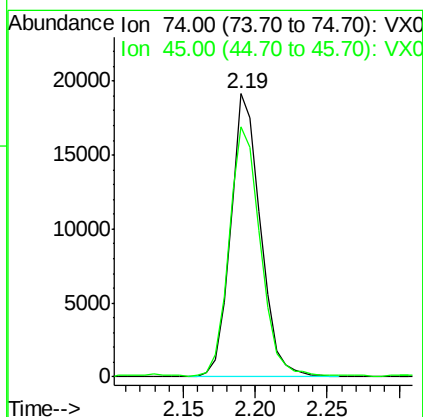
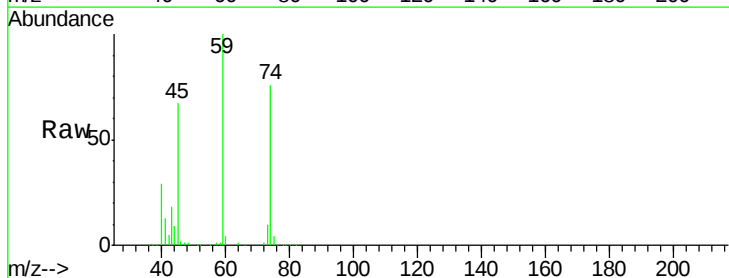
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 3/16/2019 10:33:07 AM

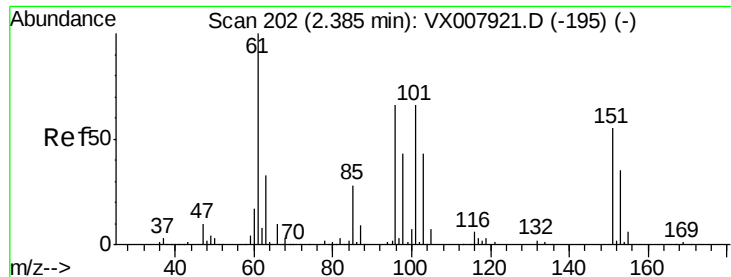


#8

Diethyl Ether
 Concen: 15.799 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		27731		
45	92.0	18.6	167.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.482 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Instrument :

MSVOA_X

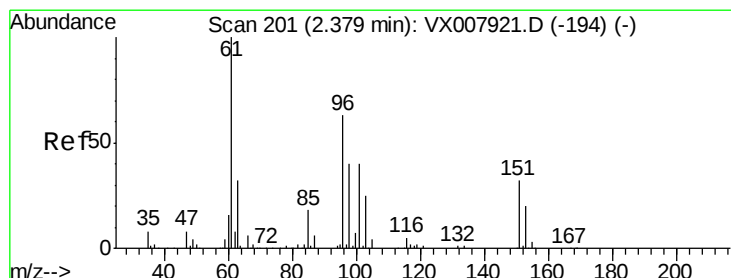
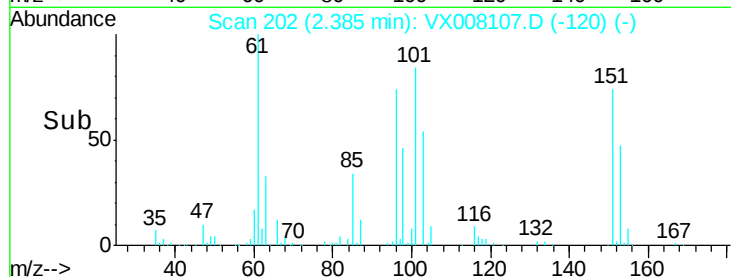
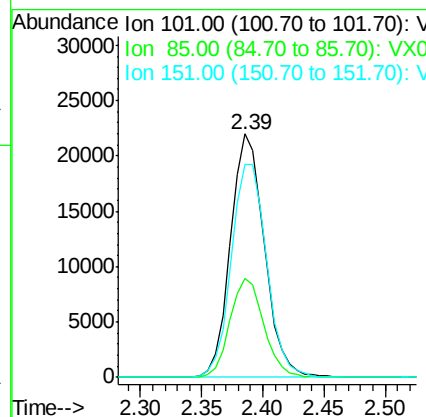
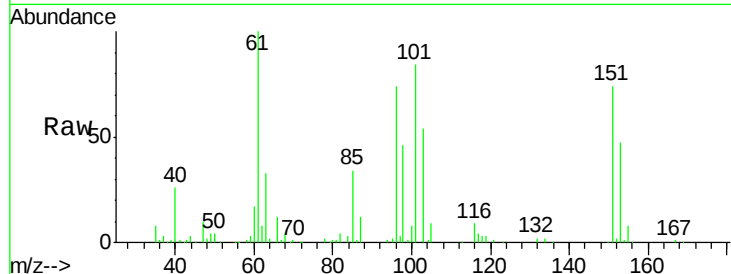
ClientSampleId :

VX0315WBSD01

Tot Ion:	101	Resp:	42235
Ion Ratio	Lower	Upper	
101	100		
85	40.6	0.0	86.8
151	91.0	0.0	169.2

Manual Integrations
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3/16/2019 10:33:07 AM



#10

1,1-Dichloroethene

Concen: 16.780 ug/l

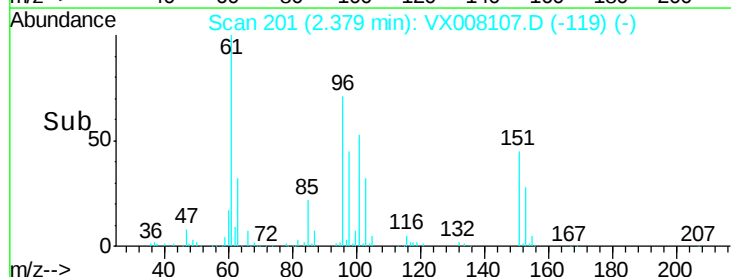
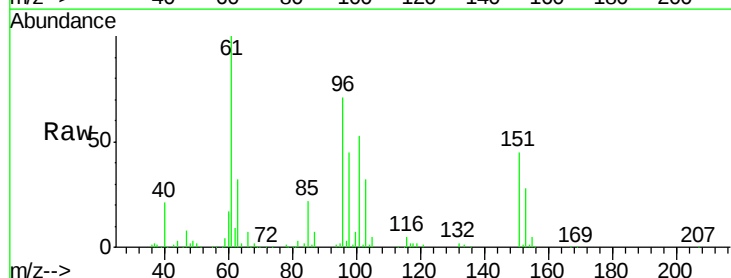
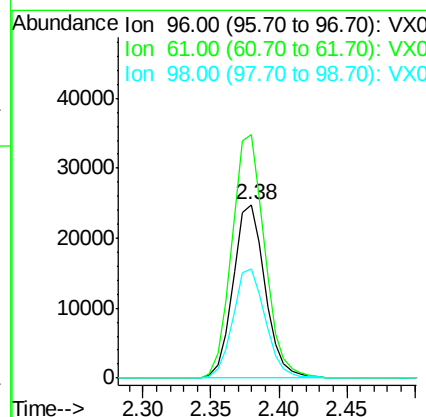
RT: 2.38 min Scan# 201

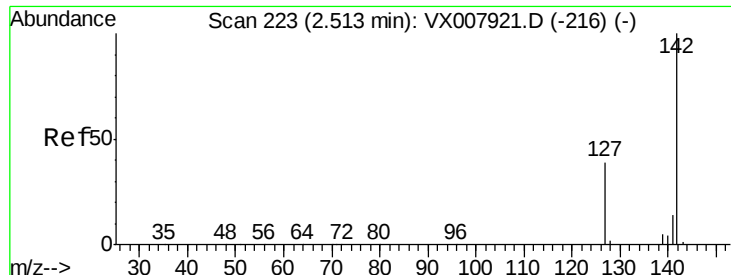
Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Tgt Ion:	96	Resp:	40754
Ion Ratio	Lower	Upper	
96	100		
61	140.4	120.2	180.2
98	62.8	49.0	73.4





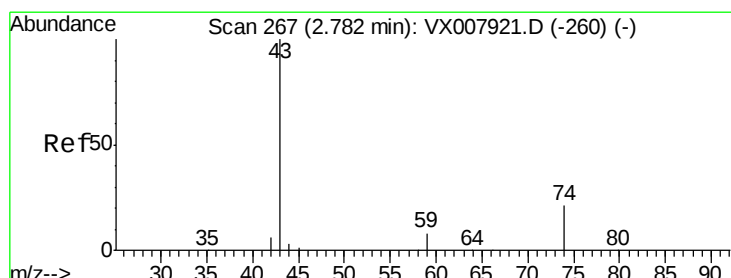
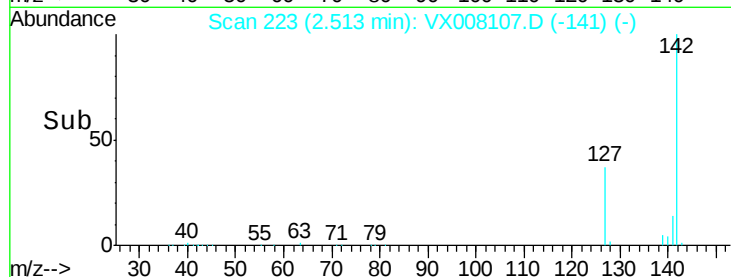
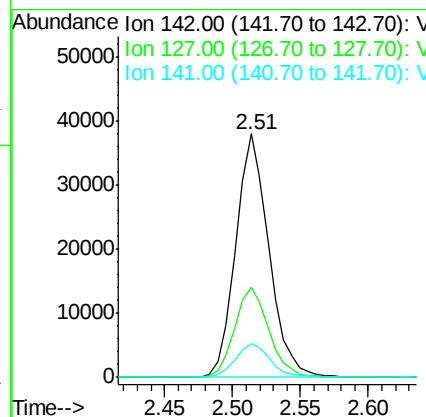
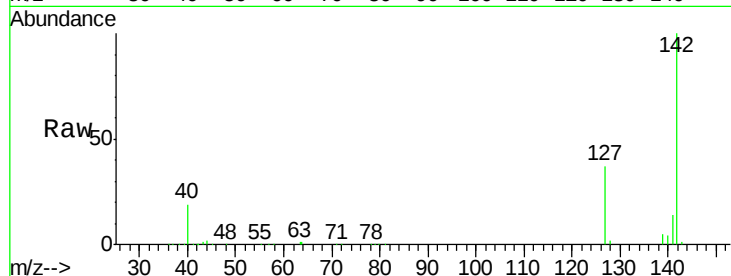
#11
Methyl Iodide
Concen: 16.971 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Instrument :
MSVOA_X
ClientSampleId :
VX0315WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.1	22.1	66.5
141	13.9	7.4	22.3

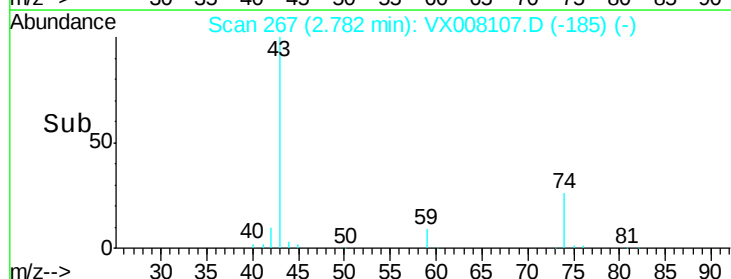
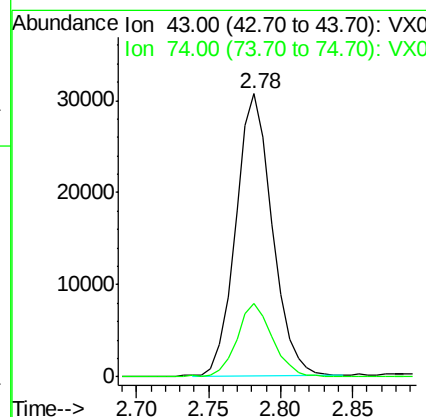
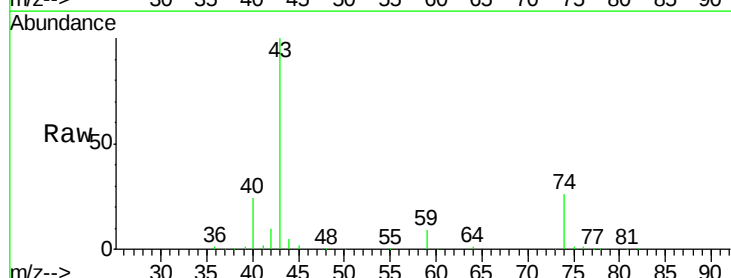
Manual Integrations
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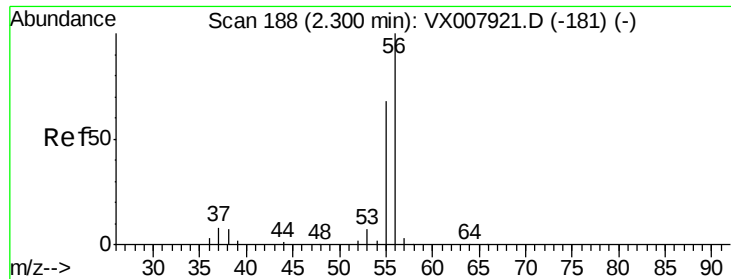
MMDadoda
3/16/2019 10:33:07 AM



#12
Methyl Acetate
Concen: 14.034 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	19.4	29.0





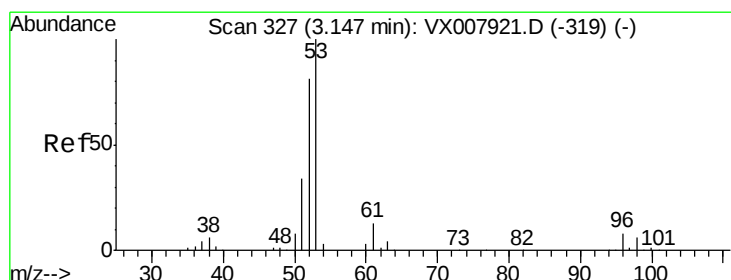
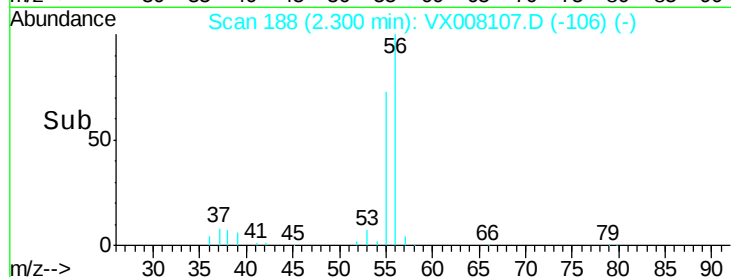
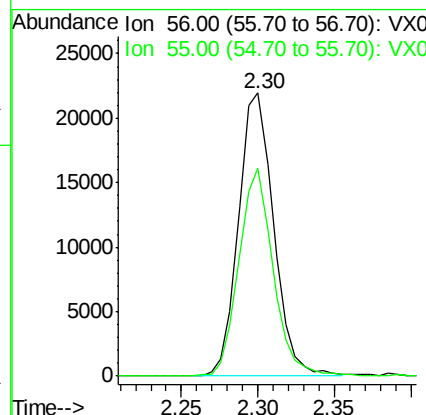
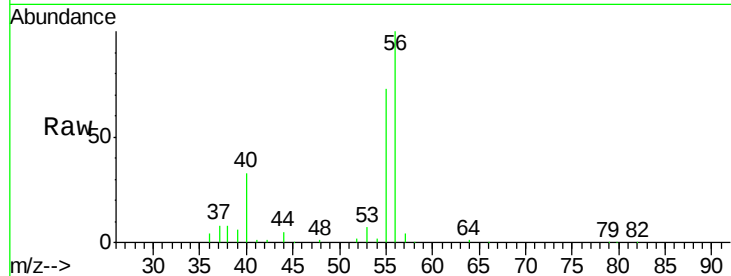
#13
Acrolein
Concen: 77.753 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Instrument :
MSVOA_X
ClientSampleId :
VX0315WBSD01

Tot Ion	56	55	Ratio	100	71.4	Resp	35039	Lower	58.6	Upper	87.8
Ion											

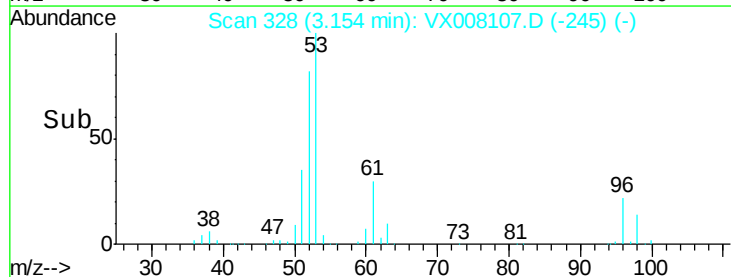
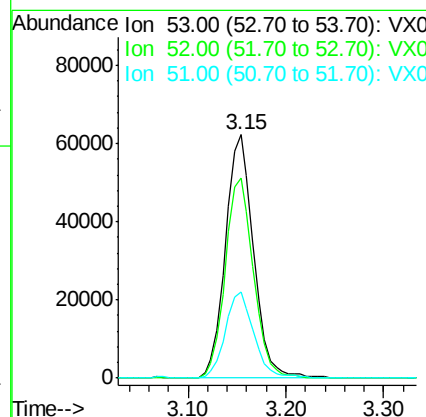
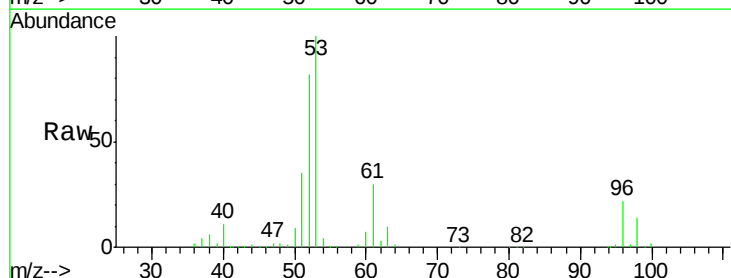
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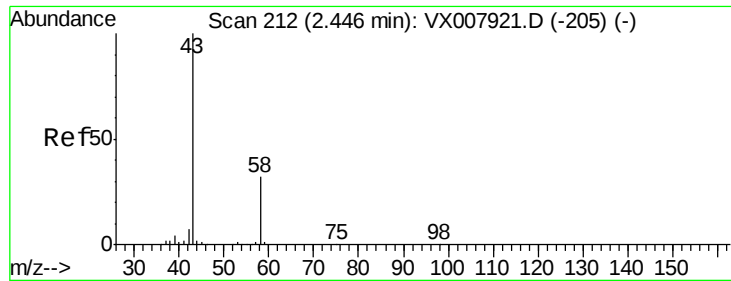
MMDadoda
3/16/2019 10:33:07 AM



#14
Acrylonitrile
Concen: 75.915 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.01 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Tgt Ion	53	52	51	Ratio	100	82.6	36.2	Resp	123785	Lower	41.3	17.5	Upper	124.1	52.6
Ion															





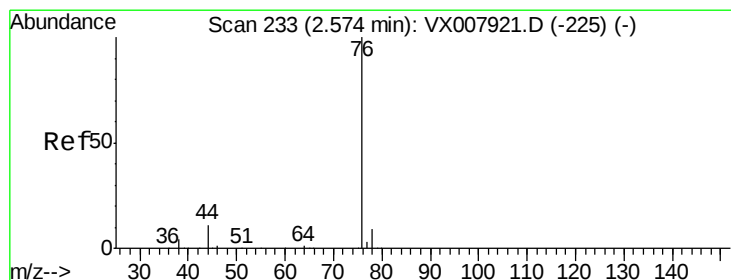
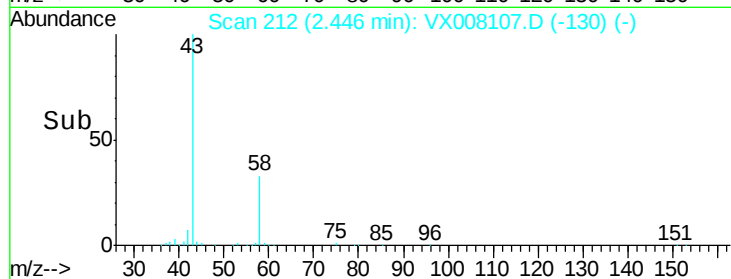
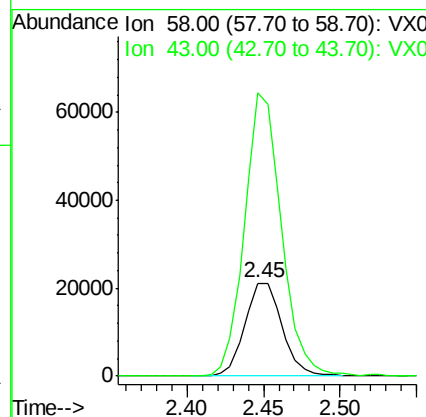
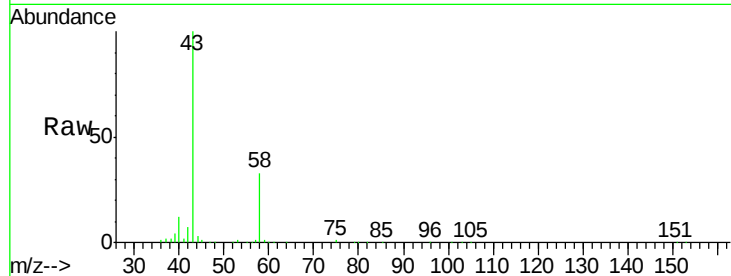
#15
Acetone
Concen: 61.566 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Instrument :
MSVOA_X
ClientSampleId :
VX0315WBSD01

Tot Ion: 58 Resp: 36244
Ion Ratio Lower Upper
58 100
43 303.2 249.8 374.6

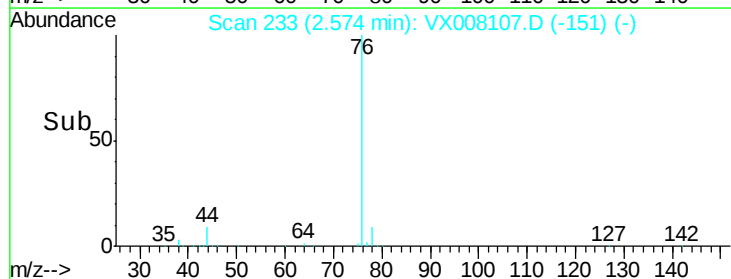
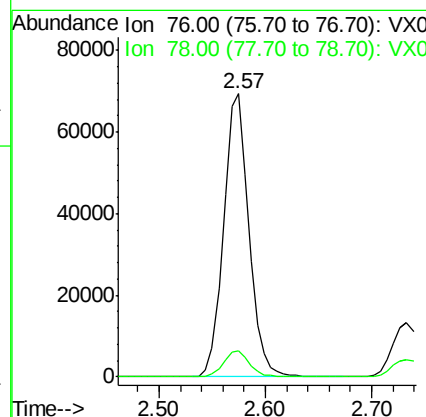
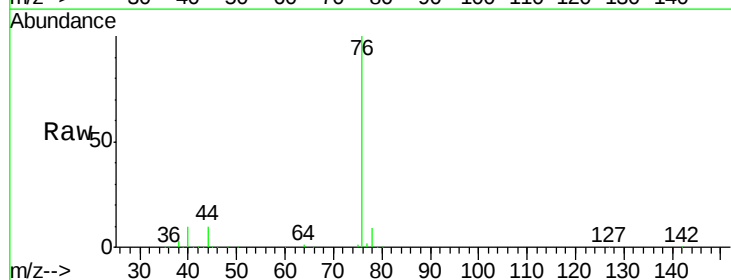
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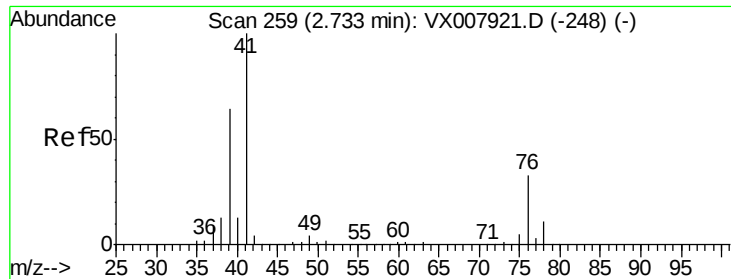
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#16
Carbon Disulfide
Concen: 15.046 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Tgt Ion: 76 Resp: 114653
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3





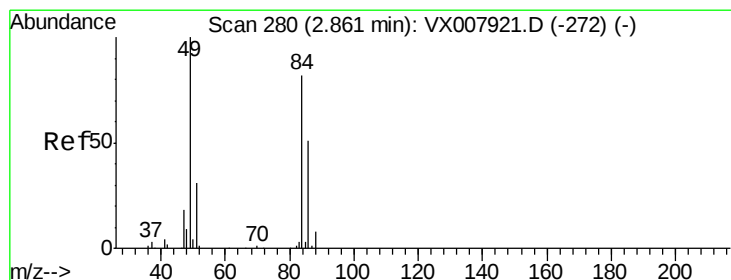
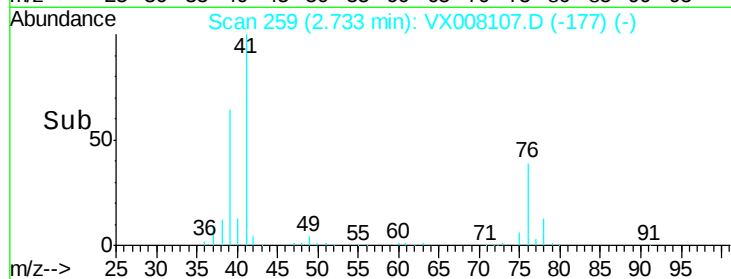
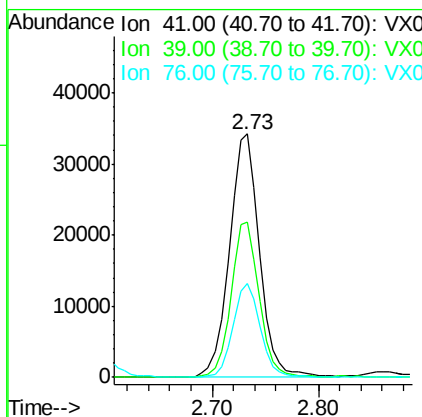
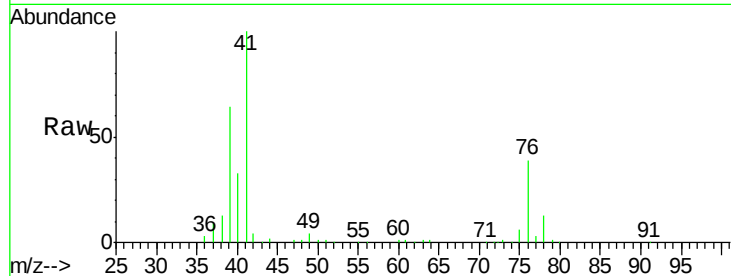
#17
Allvl chloride
Concen: 13.459 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Instrument :
MSVOA_X
ClientSampleId :
VX0315WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.2	35.8	107.4
76	38.9	18.3	54.9

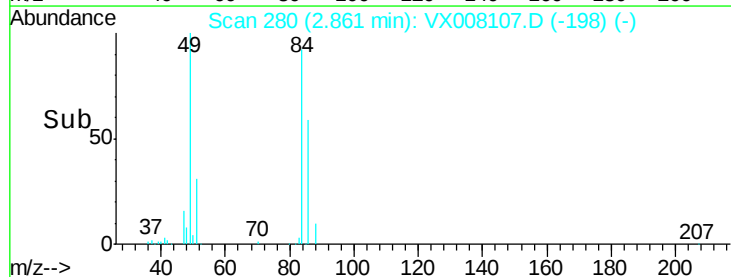
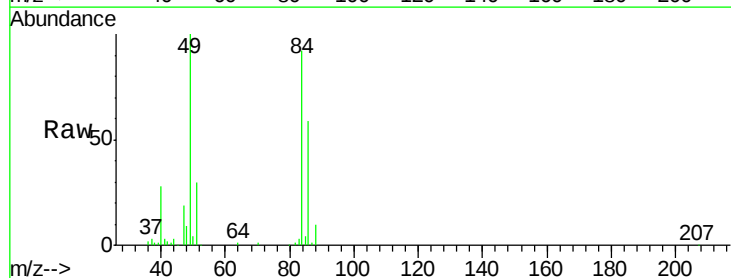
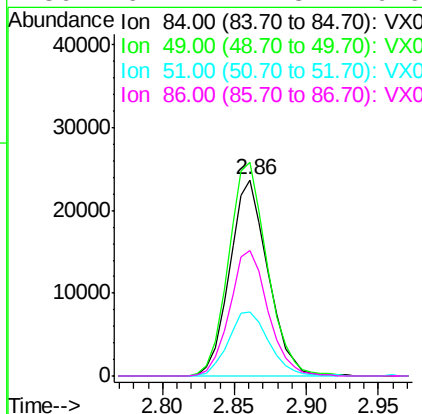
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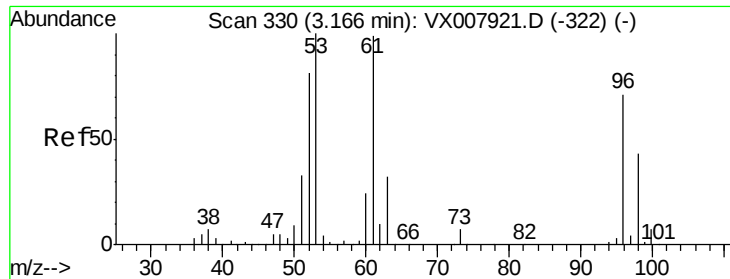
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#18
Methylene Chloride
Concen: 15.895 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.6	96.1	144.1
51	32.9	29.1	43.7
86	64.2	47.3	70.9





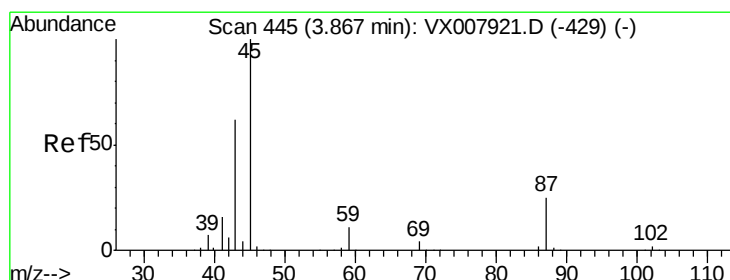
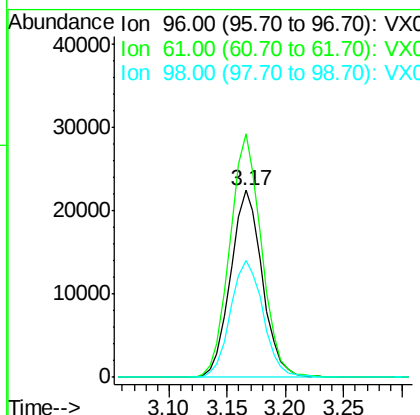
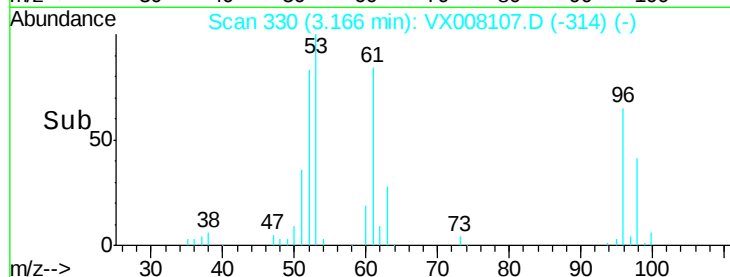
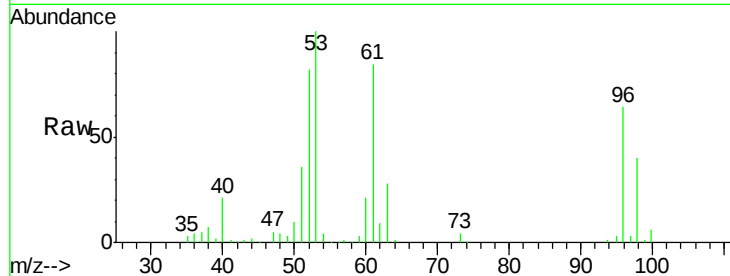
#19
trans-1,2-Dichloroethene
Concen: 16.594 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Instrument :
MSVOA_X
ClientSampleId :
VX0315WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	130.0	109.9	164.9	
98	62.5	50.4	75.6	

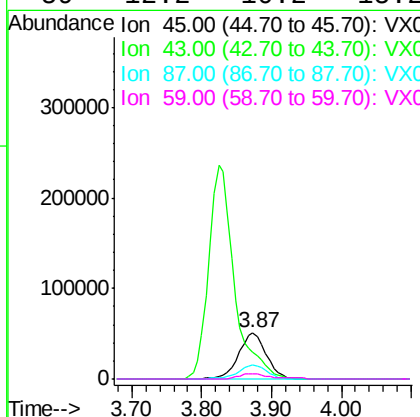
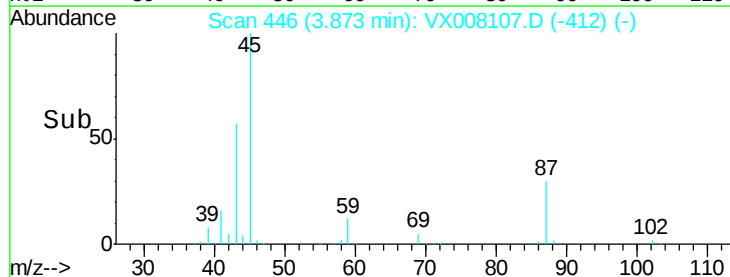
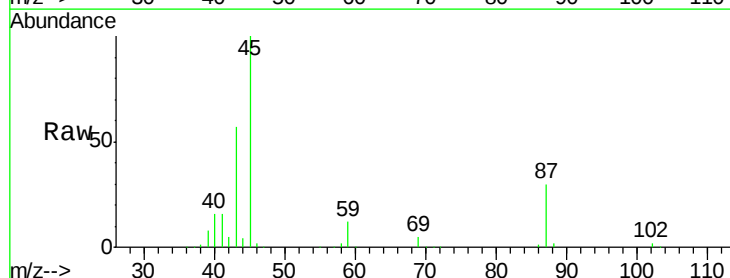
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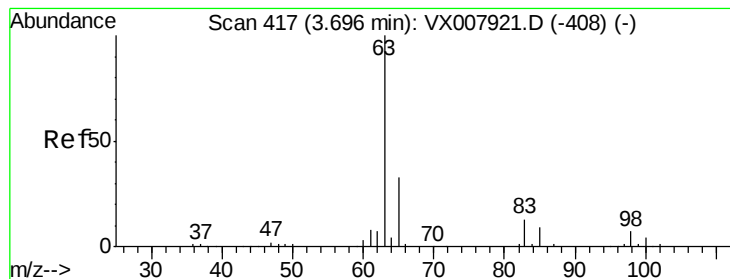
MMDadoda
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#20
Diisopropyl ether
Concen: 15.355 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.01 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	57.1	50.6	76.0	
87	30.2	24.5	36.7	
59	12.2	10.2	15.2	





#21

1,1-Dichloroethane

Concen: 16.079 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Instrument :

MSVOA_X

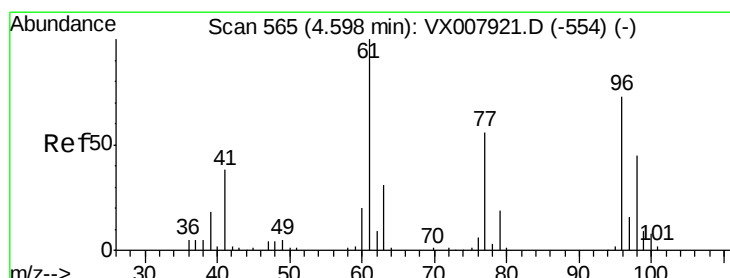
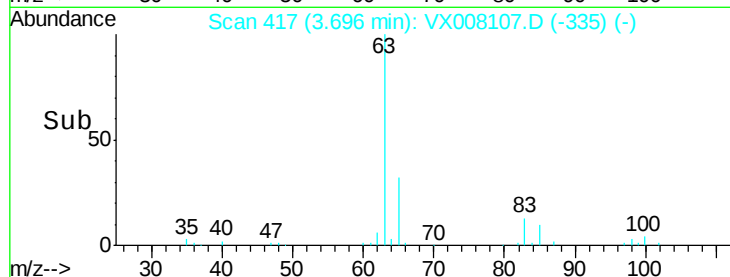
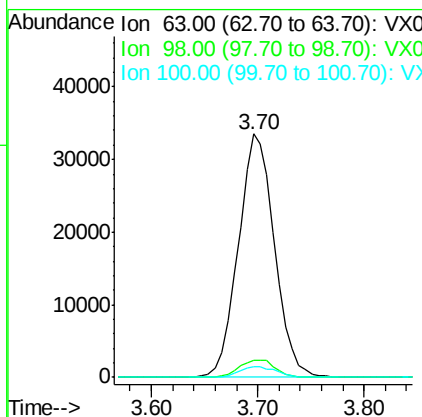
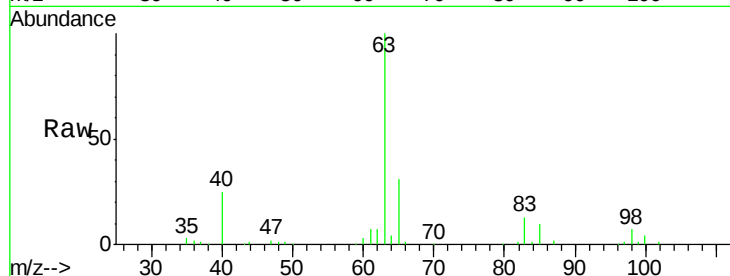
ClientSampleId :

VX0315WBSD01

Tot Ion:	63	Resp:	79659
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.8	11.4
100	4.5	2.4	7.1

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 17.192 ug/l

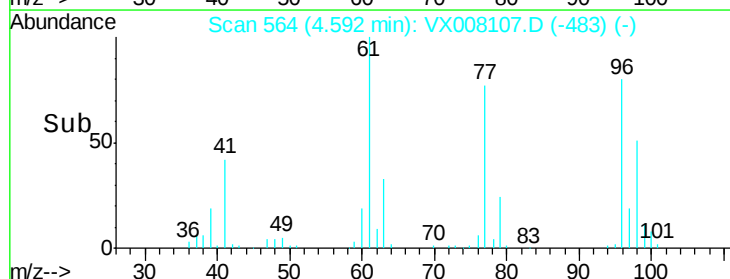
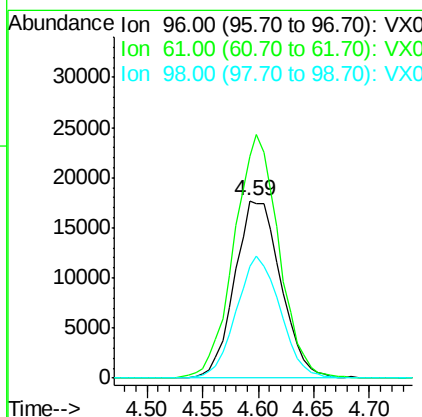
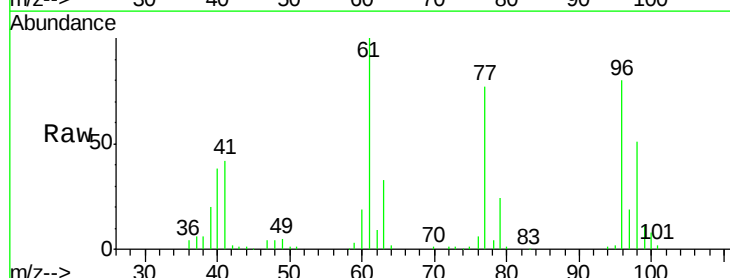
RT: 4.59 min Scan# 564

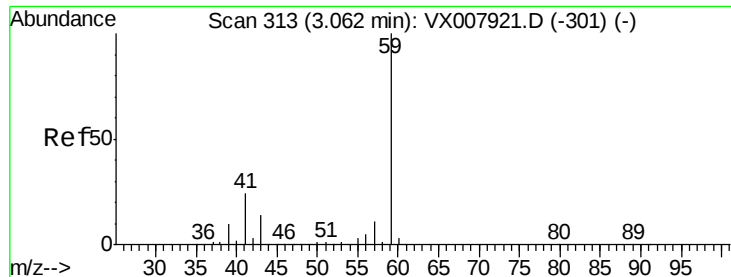
Delta R.T. -0.01 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Tgt Ion:	96	Resp:	50962
Ion Ratio	Lower	Upper	
96	100		
61	133.4	103.5	155.3
98	65.4	52.1	78.1





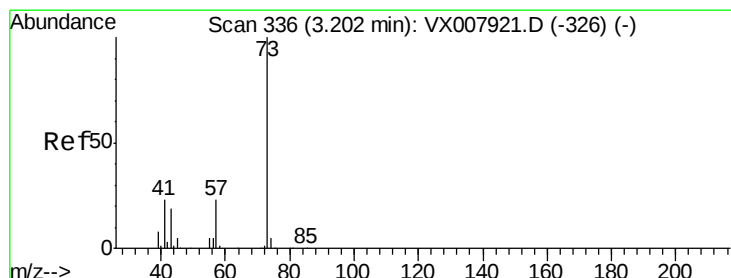
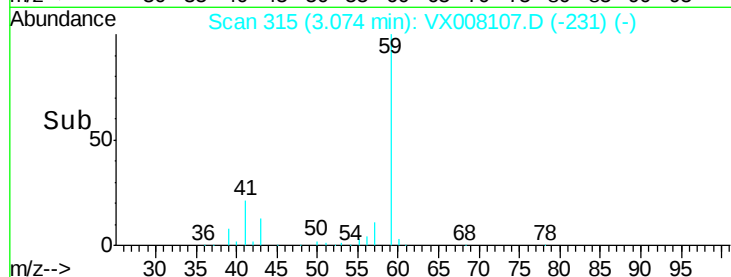
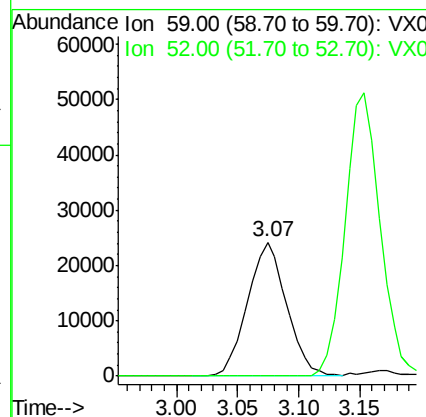
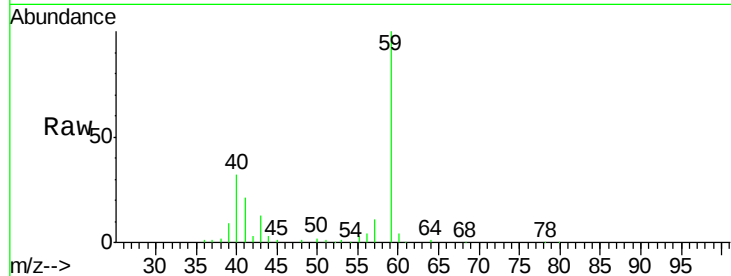
#23
 tert-Butyl Alcohol
 Concen: 81.978 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. 0.01 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0315WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2

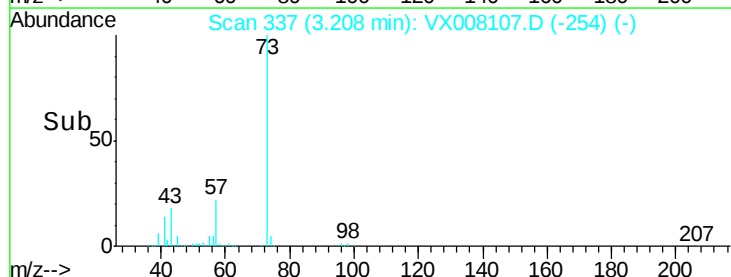
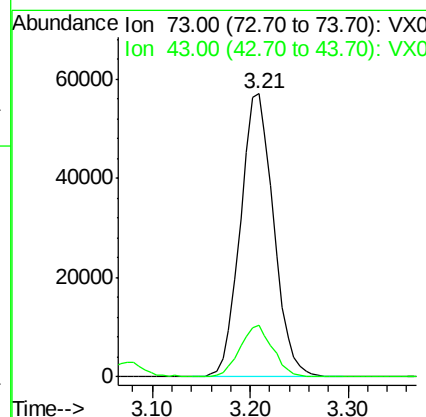
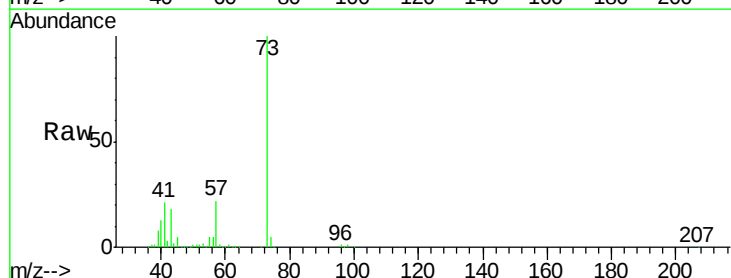
Manual Integrations
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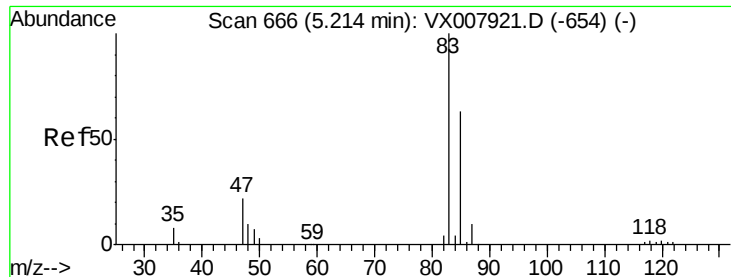
MMDadoda
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#24
 Methyl tert-Butyl Ether
 Concen: 16.121 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.2	17.1	25.7





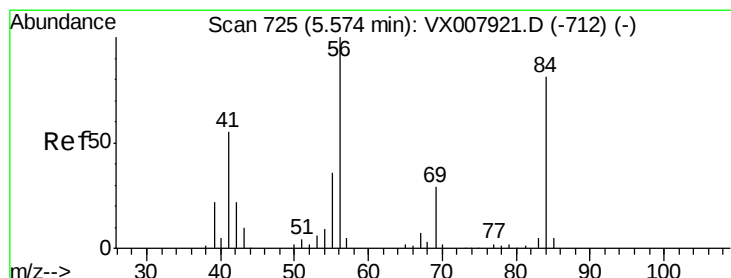
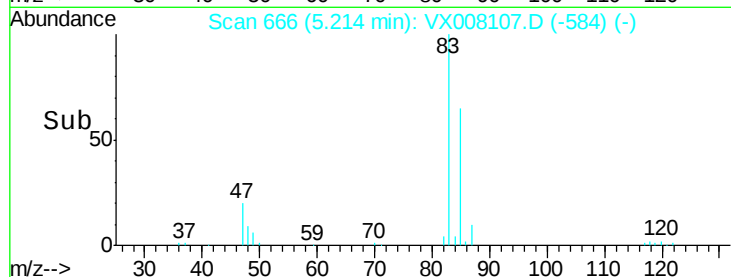
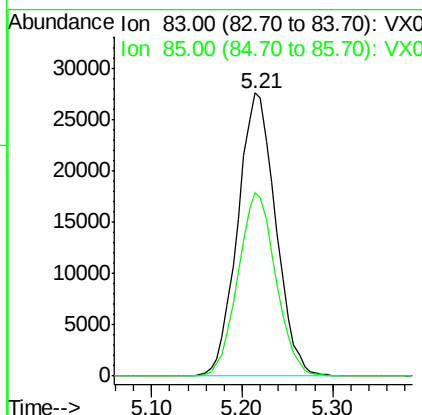
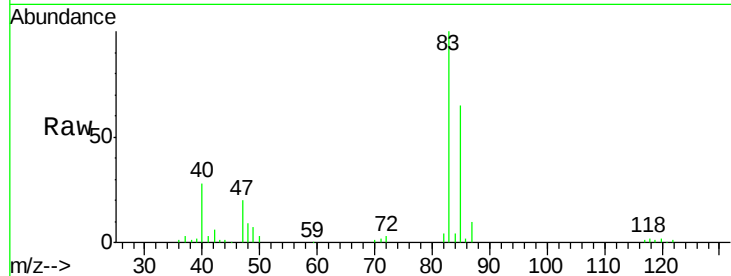
#25
Chloroform
Concen: 17.182 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Instrument :
MSVOA_X
ClientSampleId :
VX0315WBSD01

Tot Ion	83	Resp	80346
Ion Ratio	100	Lower	Upper
85	65.0	53.8	80.6

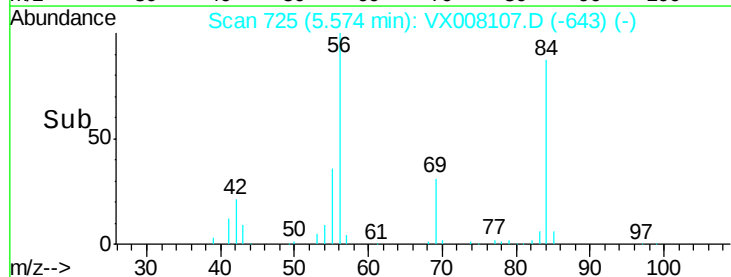
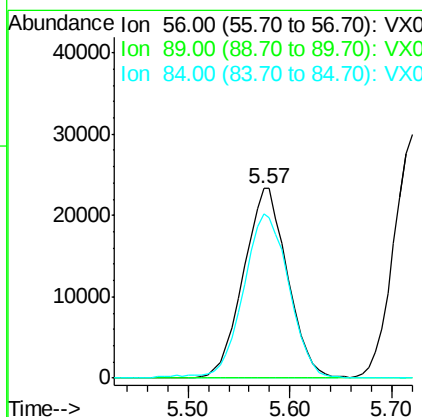
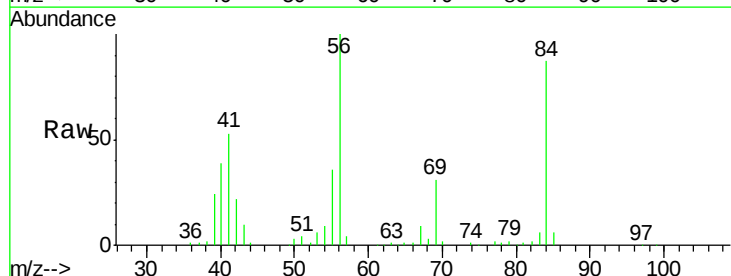
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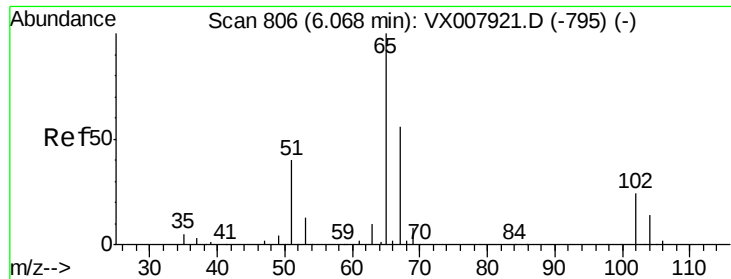
MMDadoda
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#26
Cyclohexane
Concen: 15.264 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Tgt Ion	56	Resp	69881
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	89.3	73.9	110.9





#27

1,2-Dichloroethane-d4

Concen: 27.877 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Tot Ion: 65 Resp: 76693

Ion Ratio Lower Upper

65 100

67 55.6 42.9 64.3

Instrument :

MSVOA_X

ClientSampleId :

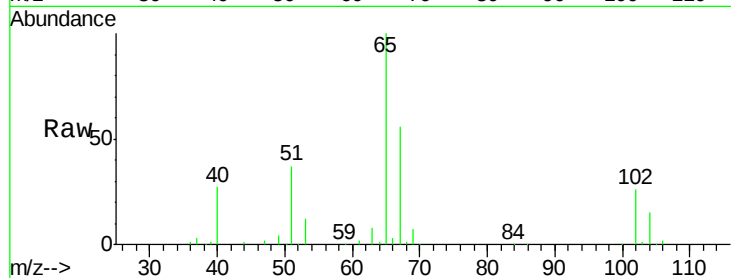
VX0315WBSD01

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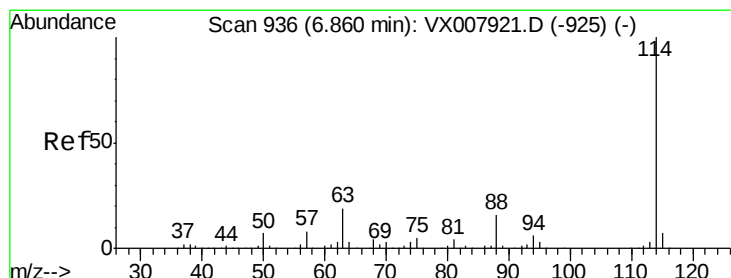
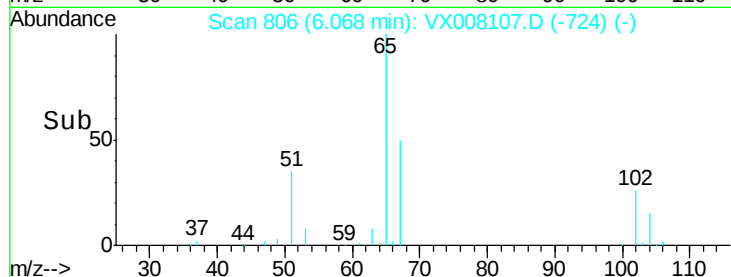
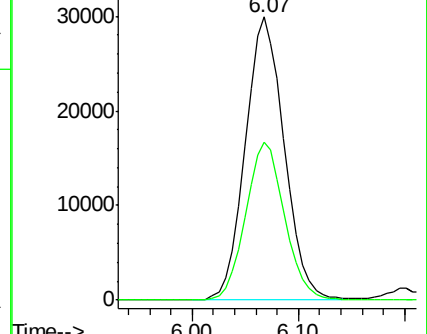
MMDadoda

3/16/2019 10:33:07 AM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

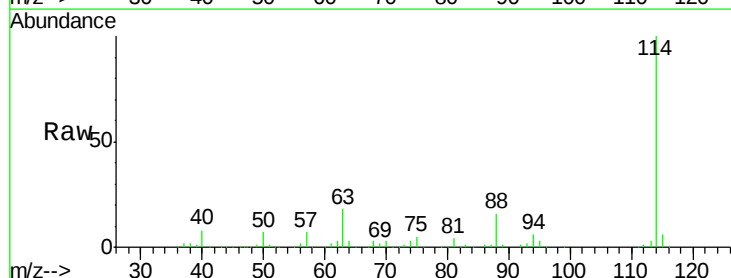
Tgt Ion: 114 Resp: 223681

Ion Ratio Lower Upper

114 100

63 18.3 14.2 21.4

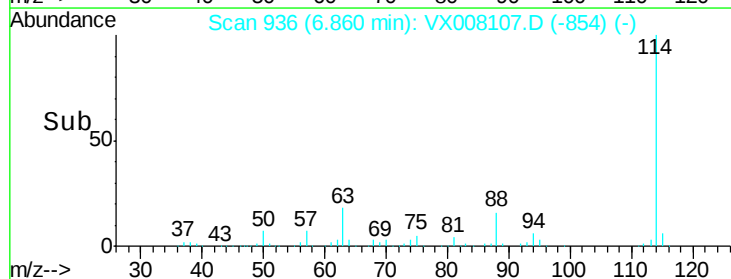
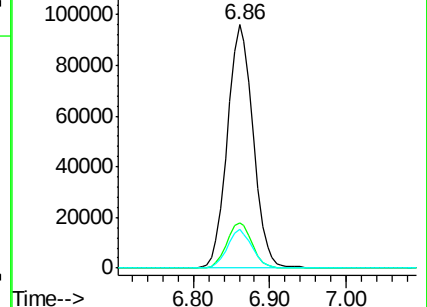
88 15.1 11.9 17.9

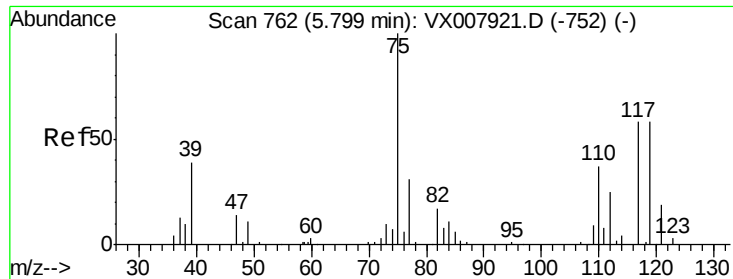


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





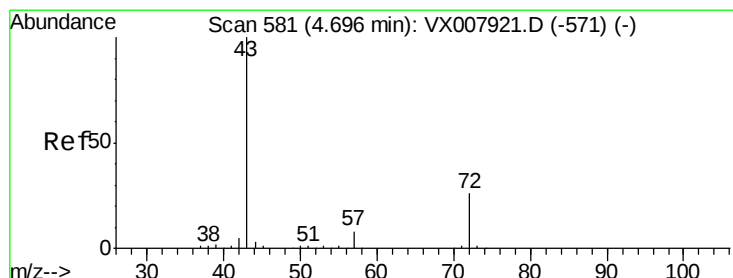
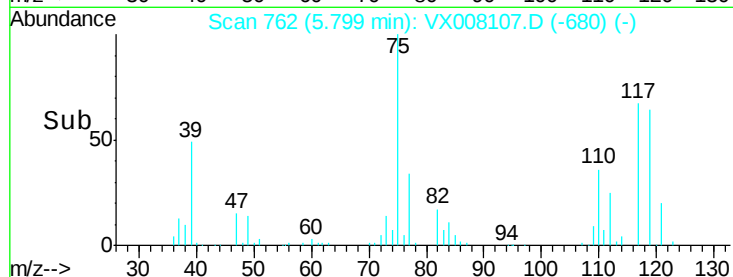
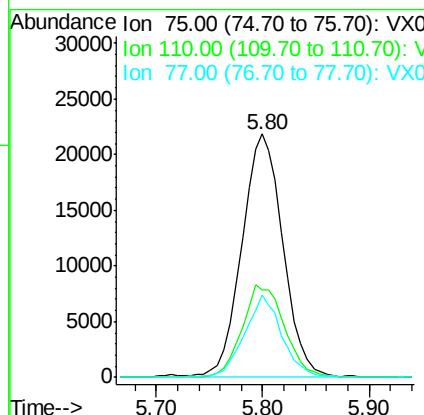
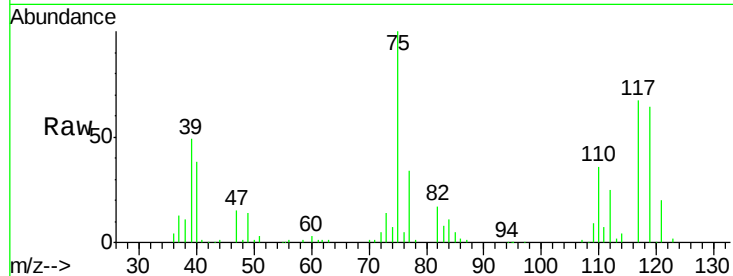
#29
 1,1-Dichloropropene
 Concen: 16.660 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0315WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	38.9	0.0	80.8
77	31.0	0.0	62.4

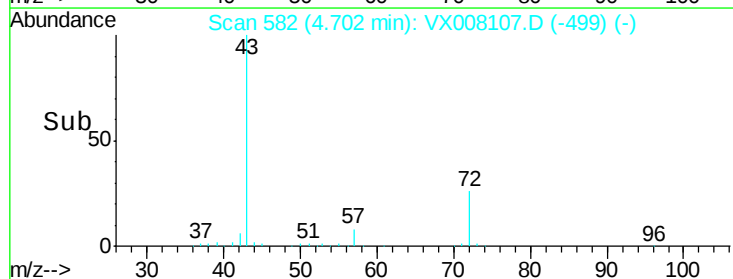
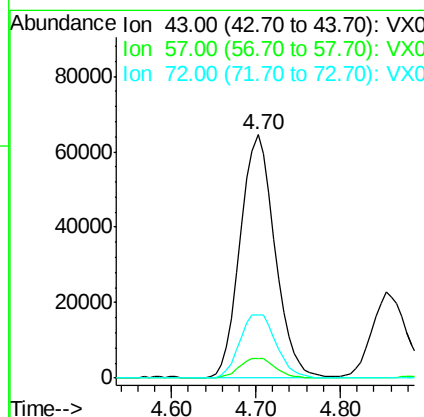
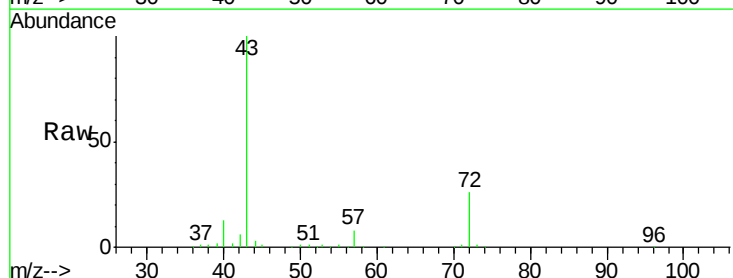
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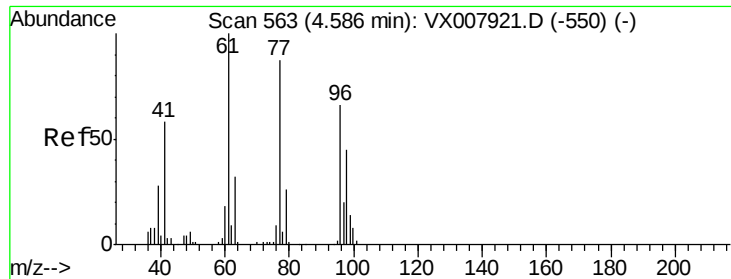
MMDadoda
 3/16/2019 10:33:07 AM



#30
 2-Butanone
 Concen: 75.320 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.5	7.0	10.6
72	27.4	21.5	32.3





#31

2,2-Dichloropropane

Concen: 16.954 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

VX0315WBSD01

Tot Ion: 77 Resp: 55540

Ion Ratio Lower Upper

77 100

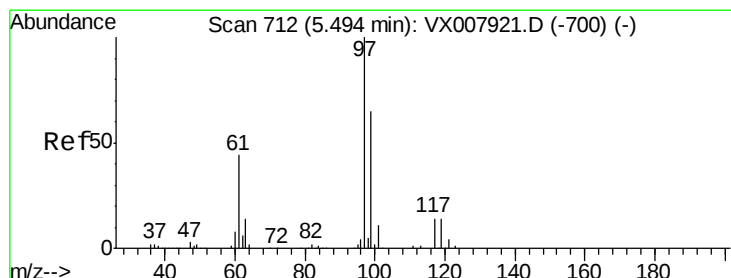
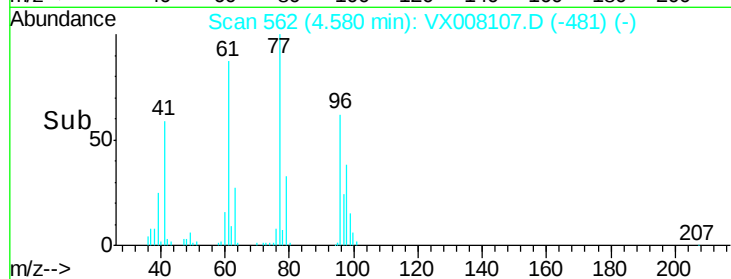
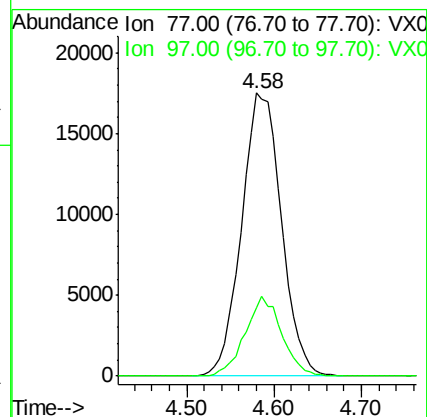
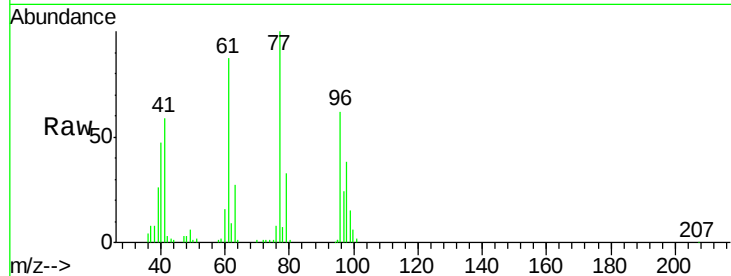
97 25.8 20.6 31.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 17.467 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

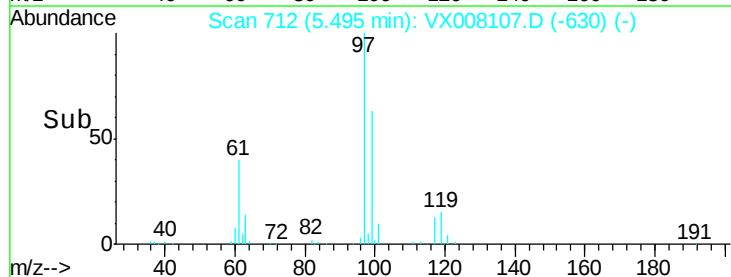
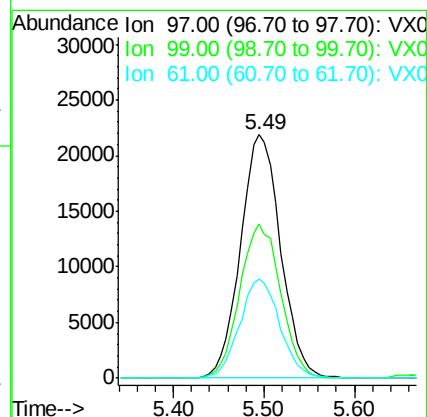
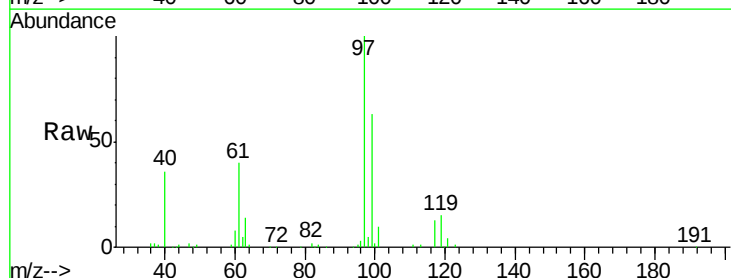
Tgt Ion: 97 Resp: 66990

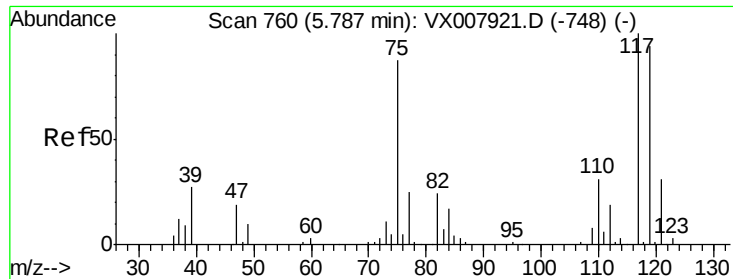
Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 40.9 32.8 49.2





#33

Carbon Tetrachloride

Concen: 17.508 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Instrument :

MSVOA_X

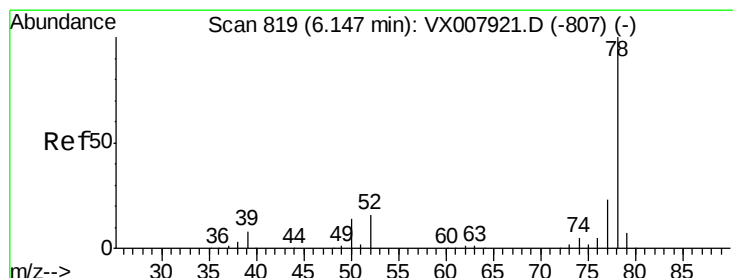
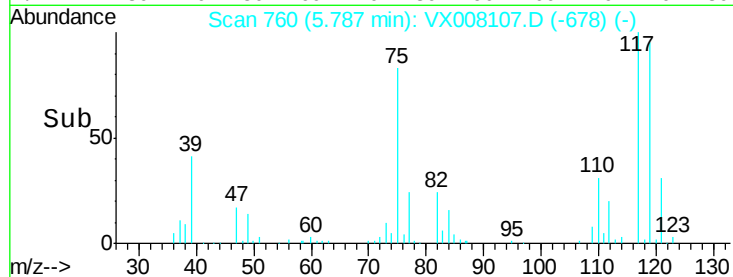
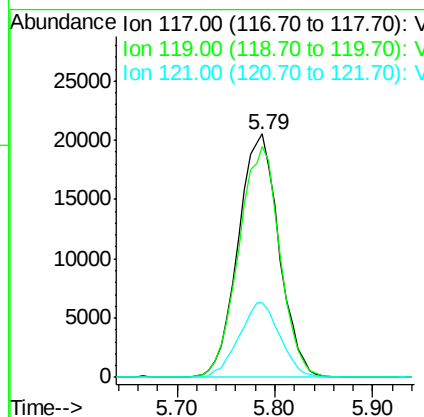
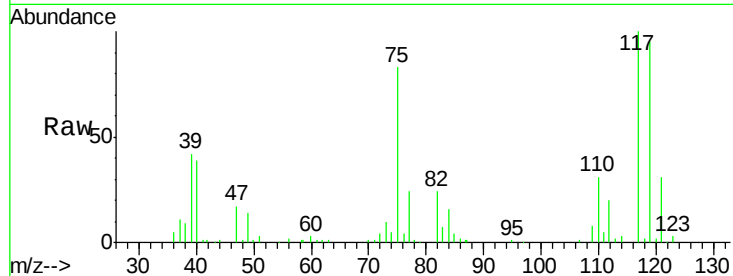
ClientSampleId :

VX0315WBSD01

Tot Ion:117 Resp: 59557
 Ion Ratio Lower Upper
 117 100
 119 94.6 78.1 117.1
 121 30.6 27.0 40.6

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#34

Benzene

Concen: 16.884 ug/l

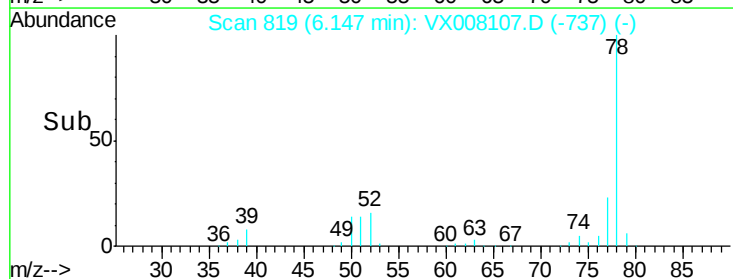
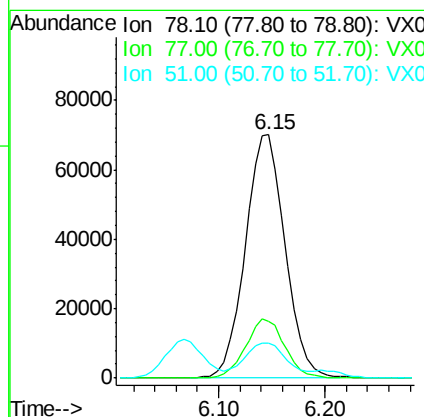
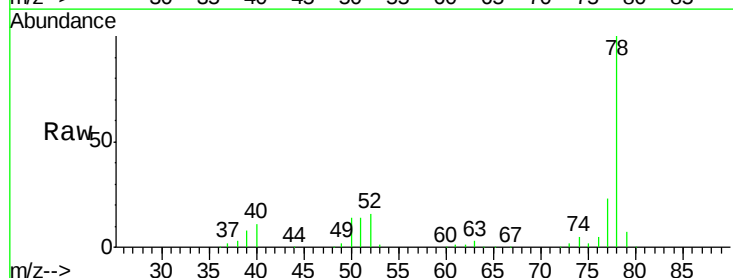
RT: 6.15 min Scan# 819

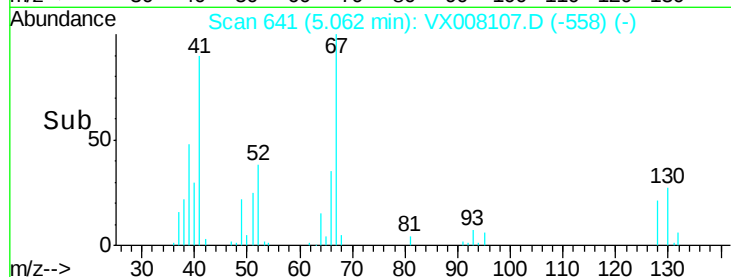
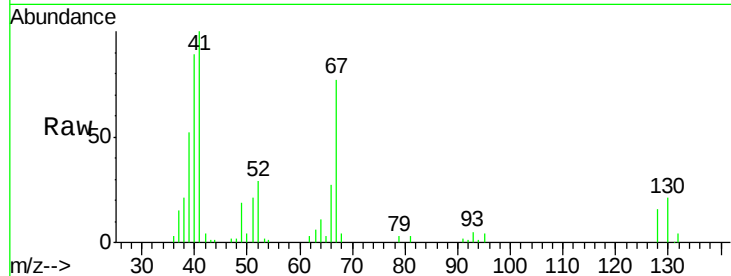
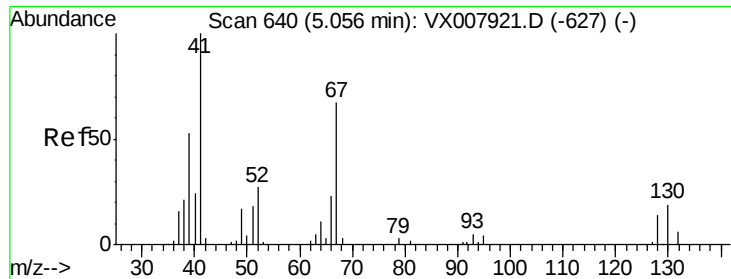
Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

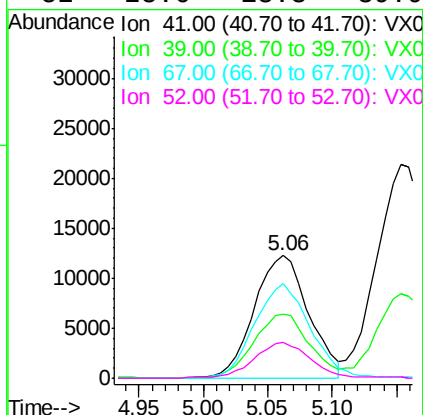
Tgt Ion: 78 Resp: 183515
 Ion Ratio Lower Upper
 78 100
 77 23.1 19.1 28.7
 51 12.1 10.8 16.2





#35
Methacrylonitrile
Concen: 15.462 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

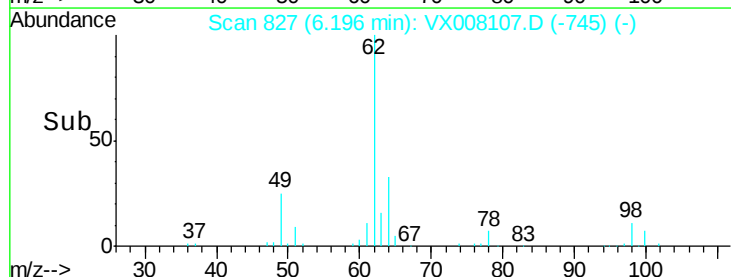
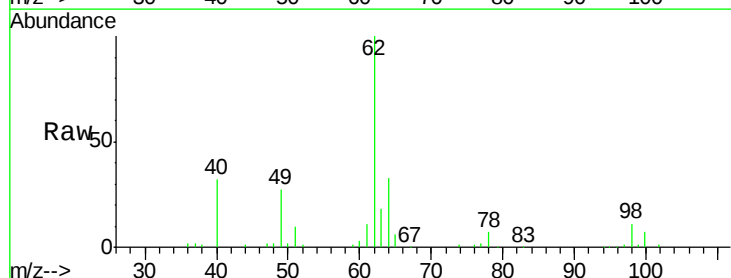
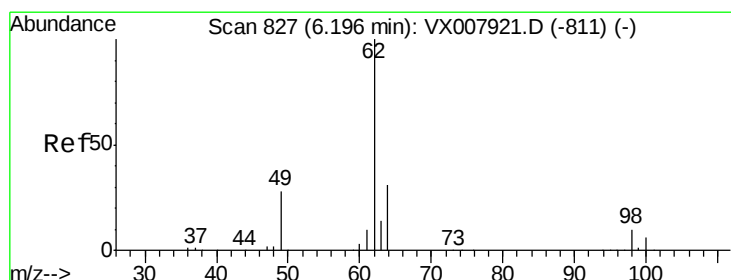
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.8	27.4	82.0	
67	77.0	37.9	113.6	
52	28.6	13.3	39.9	



Instrument :
MSVOA_X
ClientSampleId :
VX0315WBSD01

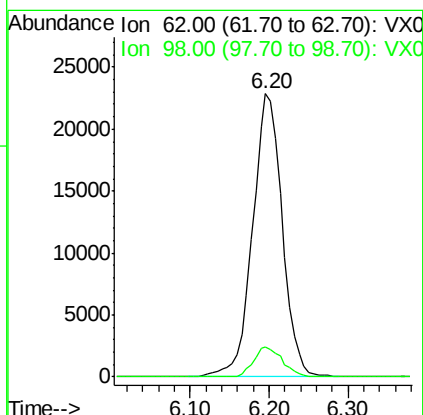
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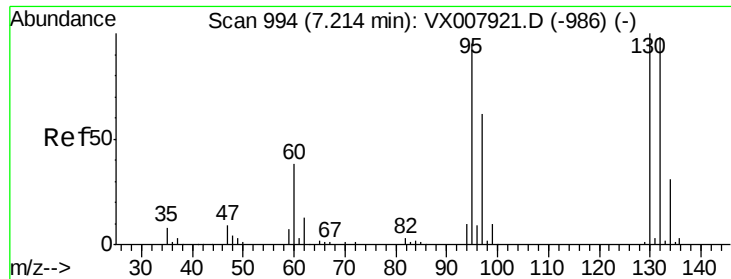
MMDadoda
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#36
1,2-Dichloroethane
Concen: 16.916 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	7.8	11.8	





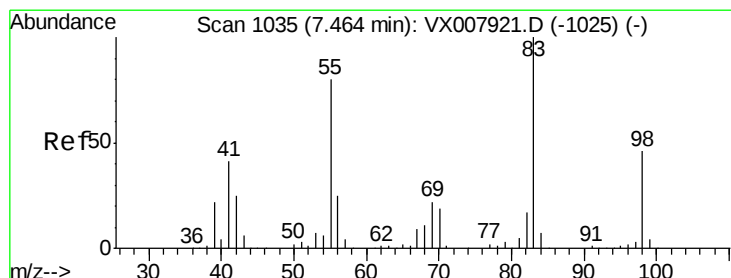
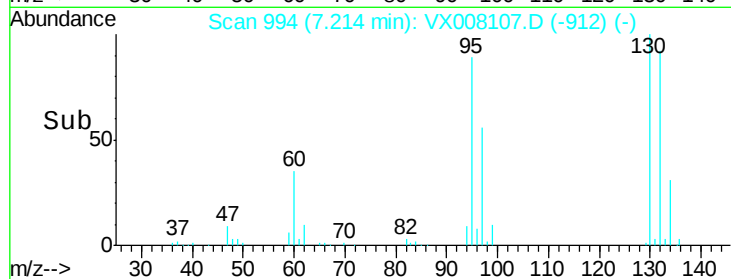
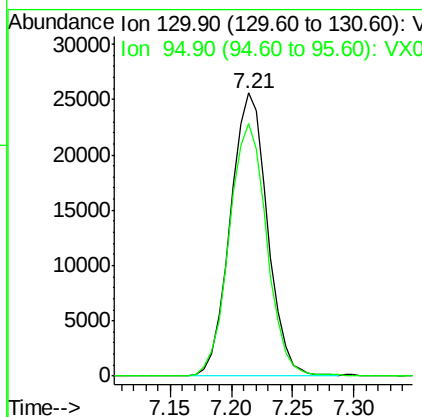
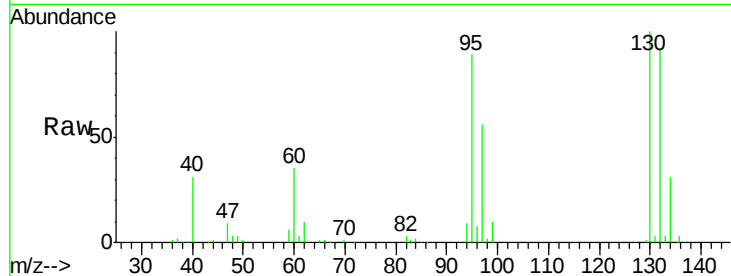
#37
 Trichloroethene
 Concen: 18.260 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0315WBSD01

Tot Ion:130 Resp: 53772
 Ion Ratio Lower Upper
 130 100
 95 89.1 71.3 106.9

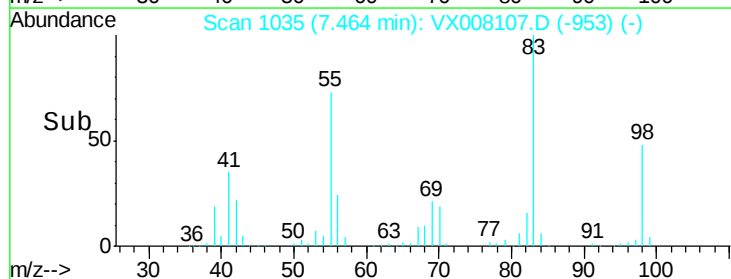
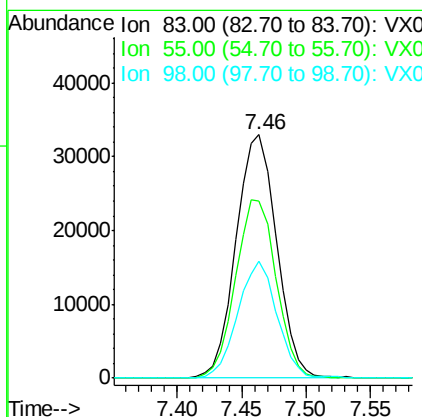
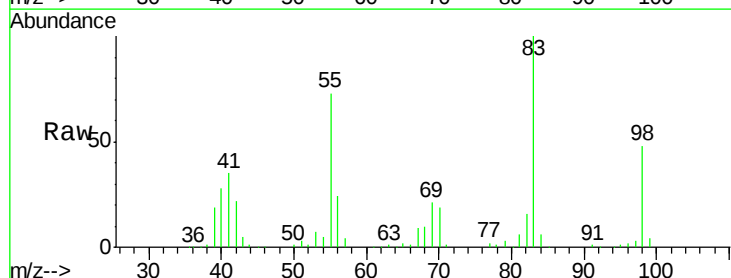
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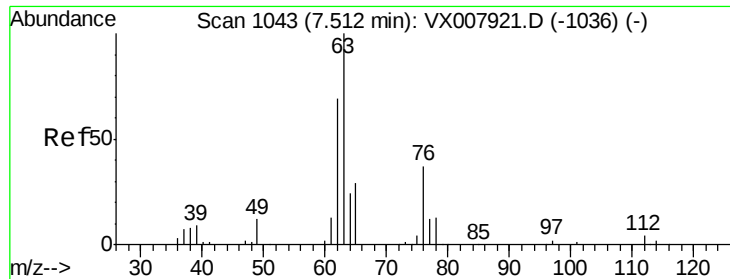
MMDadoda
 3/16/2019 10:33:07 AM



#38
 Methylcyclohexane
 Concen: 16.001 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Tgt Ion: 83 Resp: 72153
 Ion Ratio Lower Upper
 83 100
 55 73.4 36.0 108.0
 98 46.1 23.8 71.4





#39

1,2-Dichloropropane

Concen: 16.644 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

VX0315WBSD01

Tot Ion: 63 Resp: 47177

Ion Ratio Lower Upper

63 100

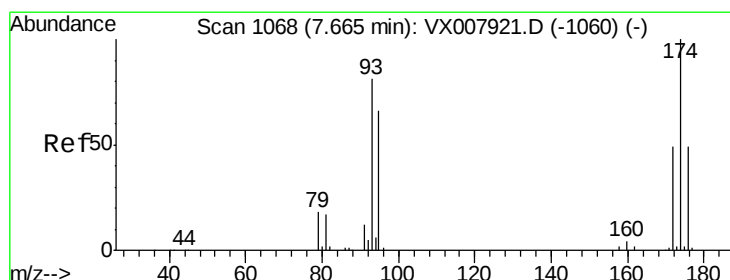
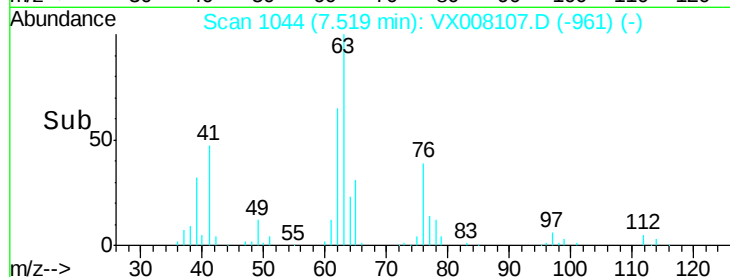
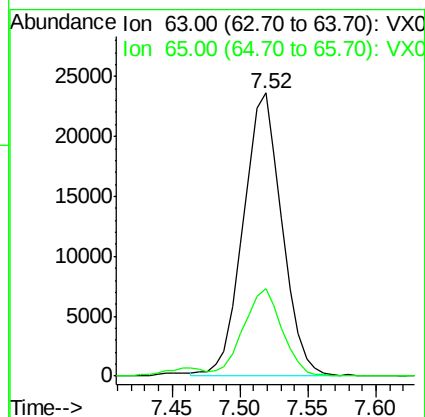
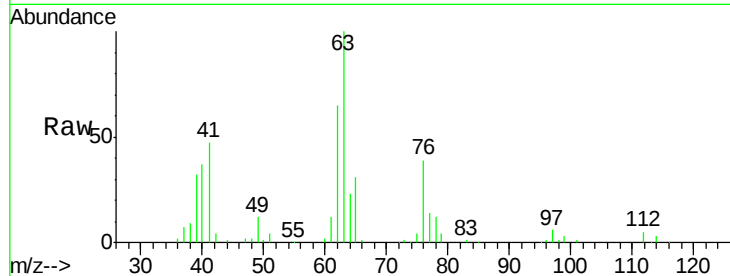
65 30.6 24.6 37.0

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#40

Dibromomethane

Concen: 17.684 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

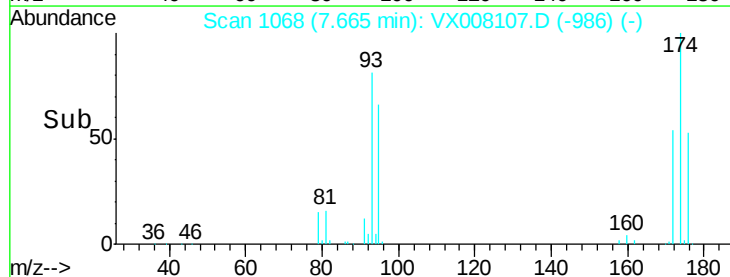
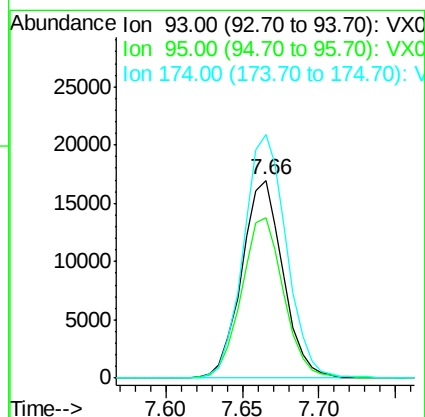
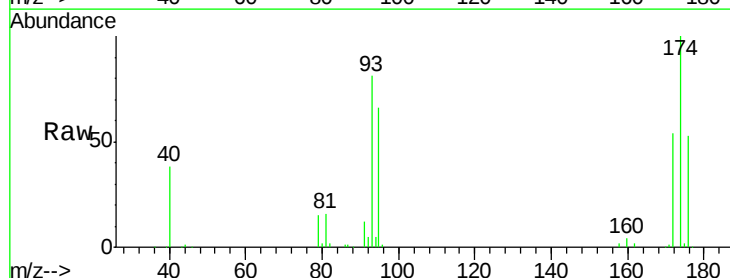
Tgt Ion: 93 Resp: 31795

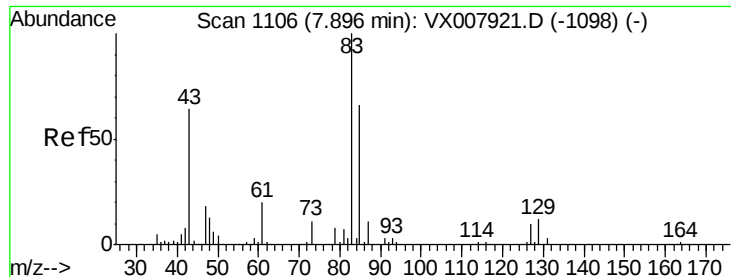
Ion Ratio Lower Upper

93 100

95 82.6 0.0 158.8

174 127.5 0.0 224.2





#41

Bromodichloromethane

Concen: 16.767 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Instrument :

MSVOA_X

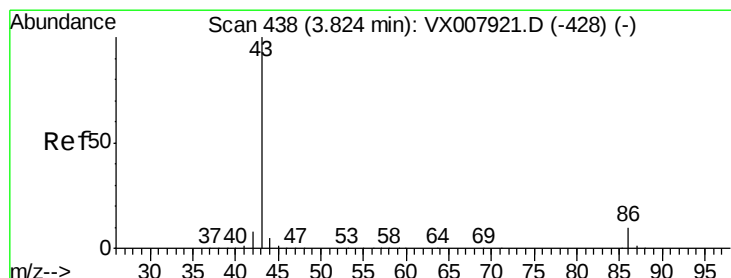
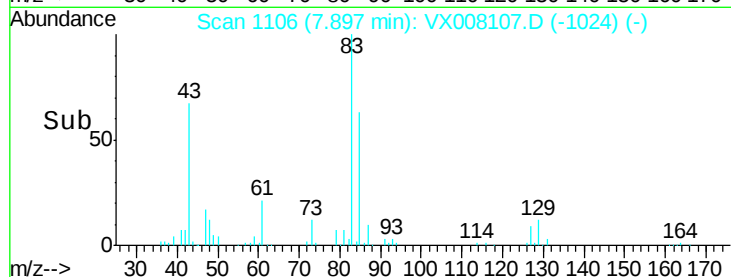
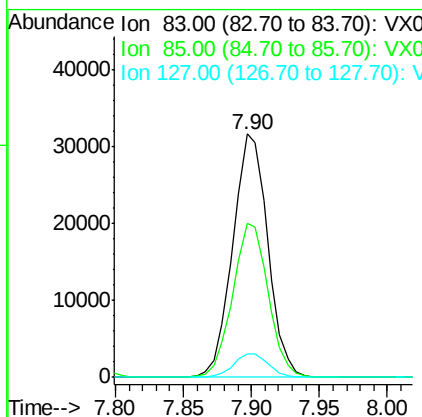
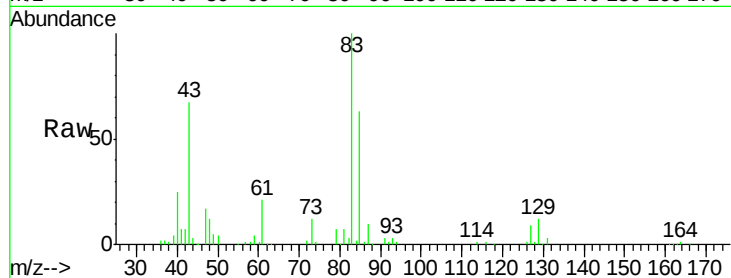
ClientSampleId :

VX0315WBSD01

Tot Ion:	83	Resp:	56984
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.1	76.7
127	9.4	7.2	10.8

Manual Integrations
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3/16/2019 10:33:07 AM



#42

Vinyl Acetate

Concen: 77.874 ug/l

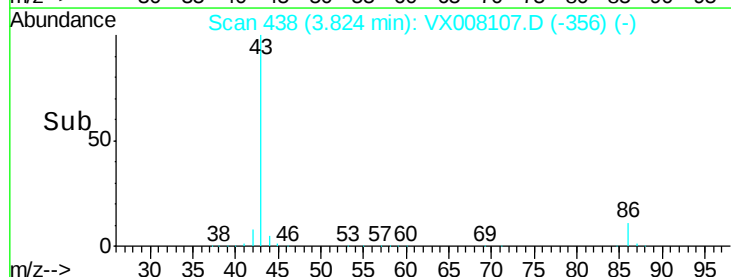
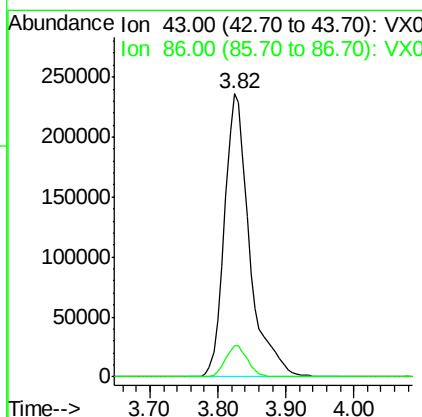
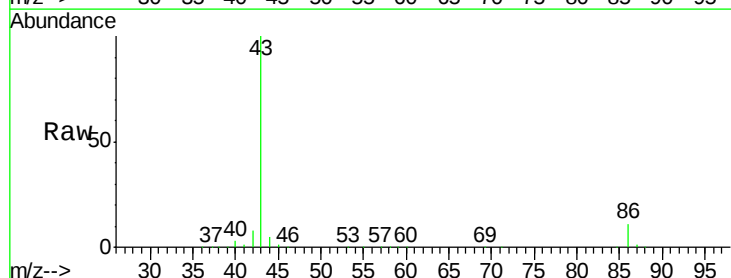
RT: 3.82 min Scan# 438

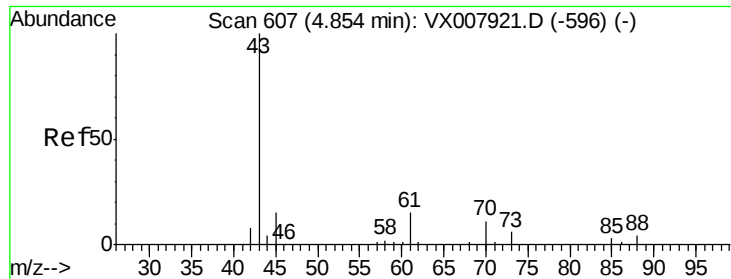
Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Tgt Ion:	43	Resp:	603000
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.2	12.2





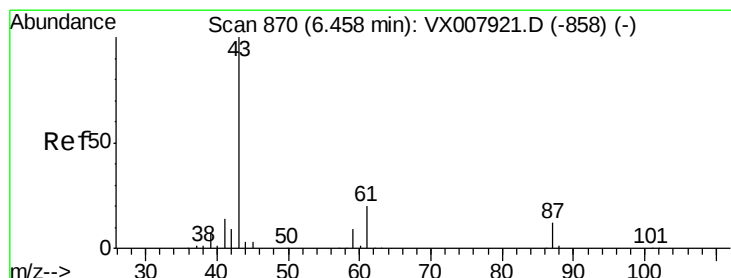
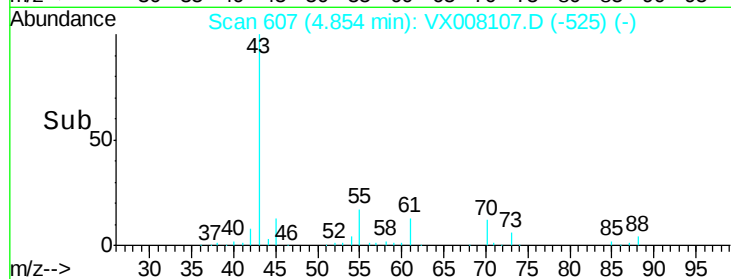
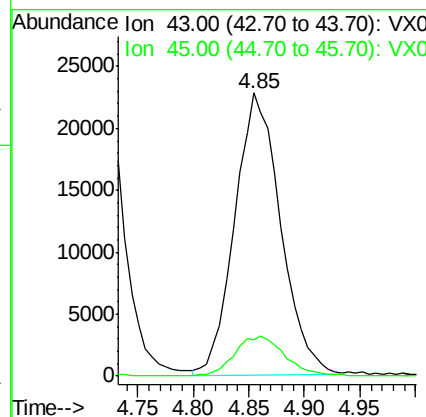
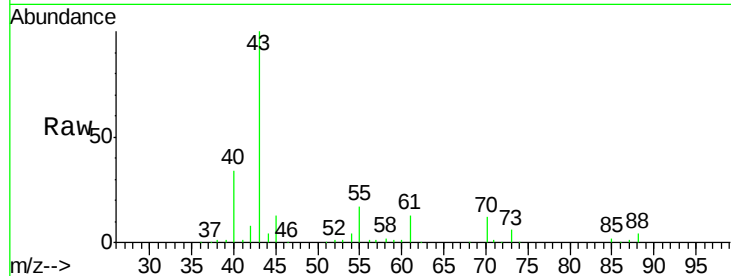
#43
Ethyl Acetate
Concen: 15.674 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Instrument :
MSVOA_X
ClientSampleId :
VX0315WBSD01

Tot Ion: 43 Resp: 65308
Ion Ratio Lower Upper
43 100
45 15.4 6.9 10.3#

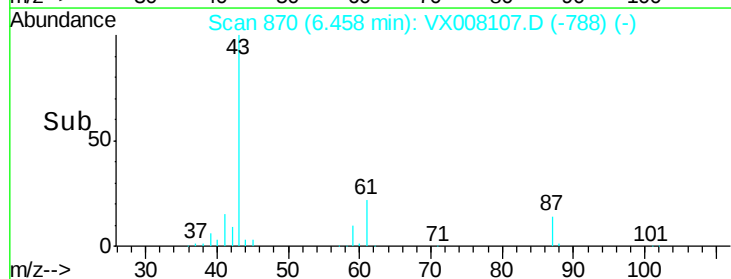
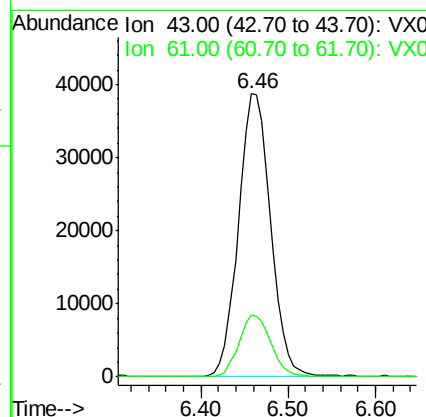
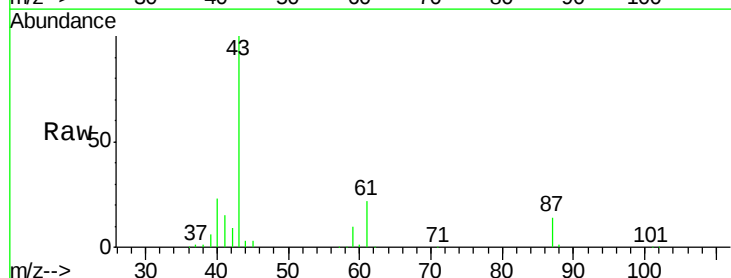
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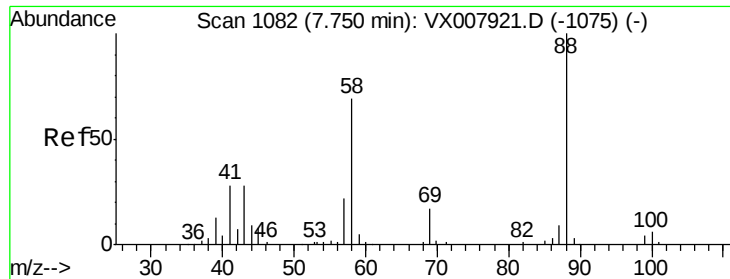
MMDadoda
3/16/2019 10:33:07 AM



#44
Isopropyl Acetate
Concen: 15.606 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Tgt Ion: 43 Resp: 99214
Ion Ratio Lower Upper
43 100
61 21.6 16.1 24.1





#45

1,4-Dioxane

Concen: 370.026 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Instrument :

MSVOA_X

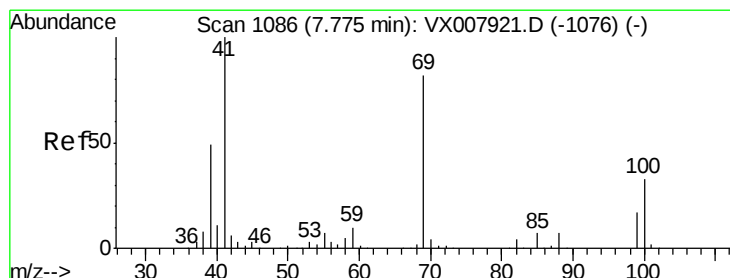
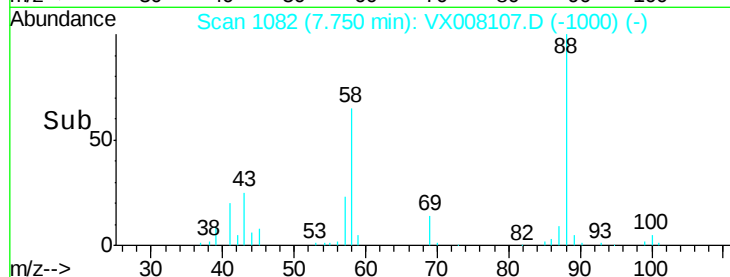
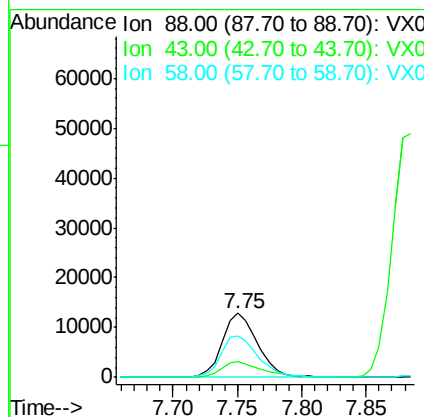
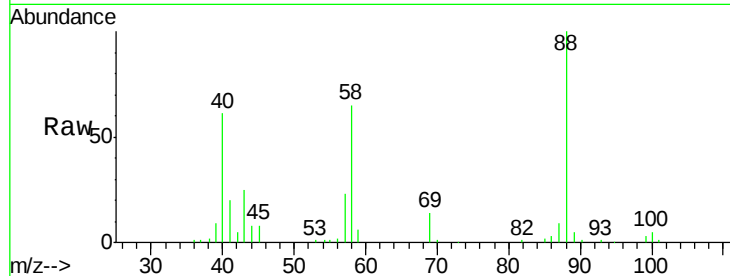
ClientSampleId :

VX0315WBSD01

Tot Ion:	88	Resp:	24612
Ion	Ratio	Lower	Upper
88	100		
43	28.7	23.6	35.4
58	68.2	51.6	77.4

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#46

Methyl methacrylate

Concen: 15.468 ug/l

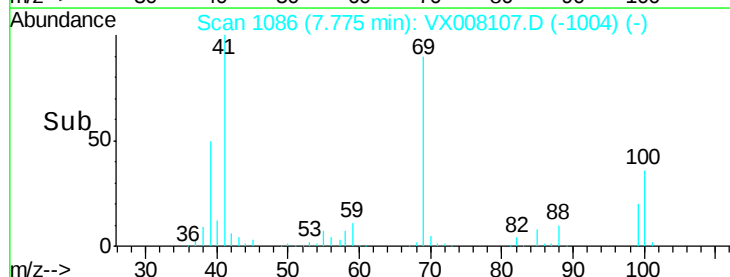
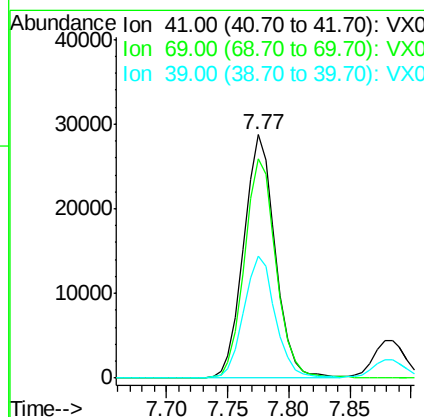
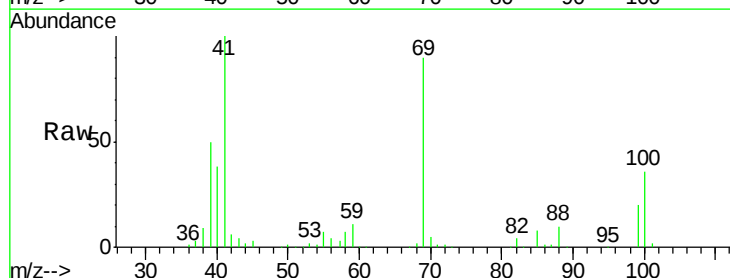
RT: 7.77 min Scan# 1086

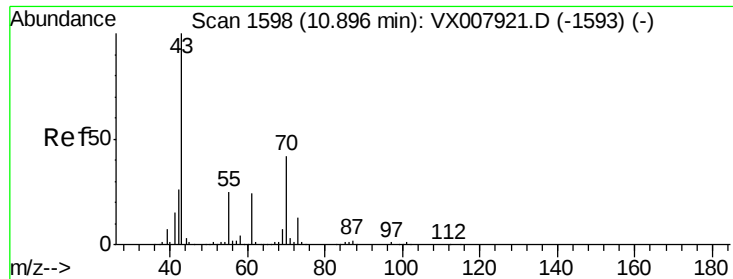
Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Tgt Ion:	41	Resp:	51720
Ion	Ratio	Lower	Upper
41	100		
69	89.8	44.2	132.6
39	50.2	29.9	89.8





#47

n-amvl Acetate

Concen: 14.895 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

VX0315WBSD01

Tot Ion: 43 Resp: 81593

Ion Ratio Lower Upper

43 100

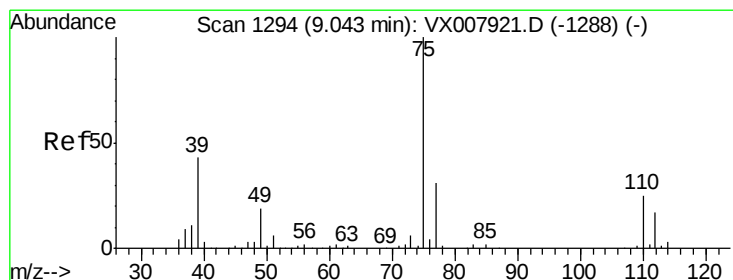
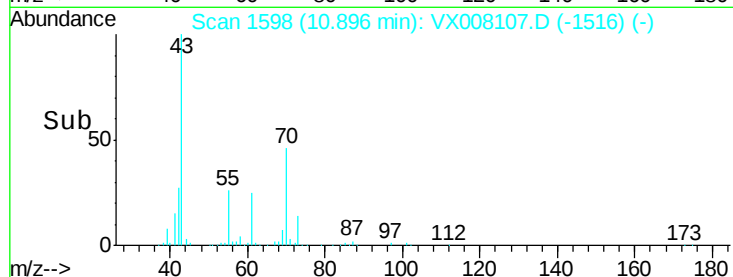
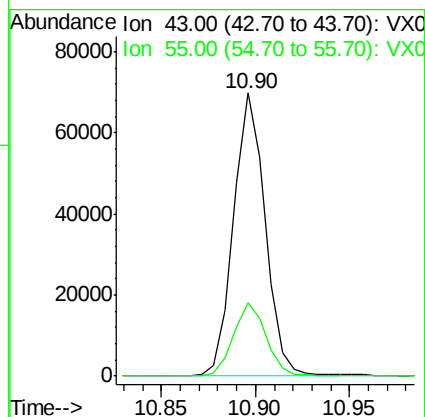
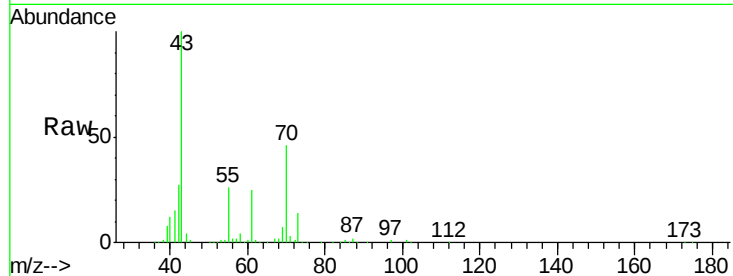
55 26.7 20.8 31.2

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 16.051 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008107.D

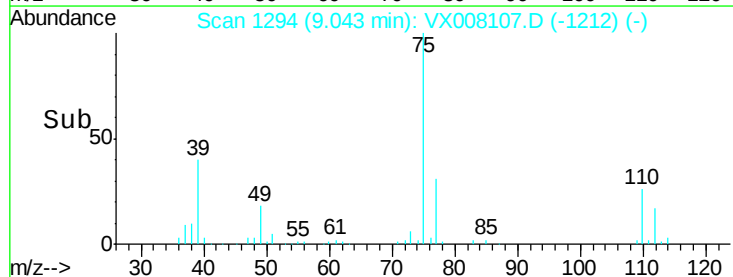
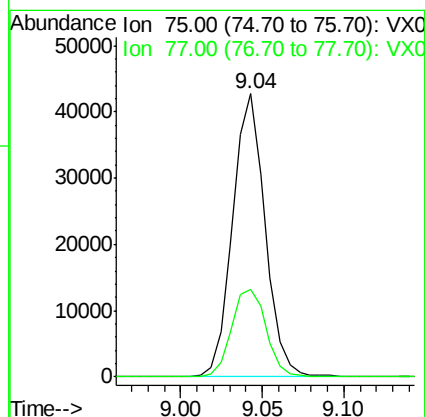
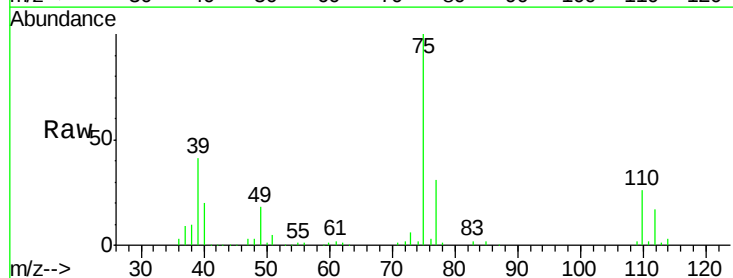
Acq: 15 Mar 2019 14:56

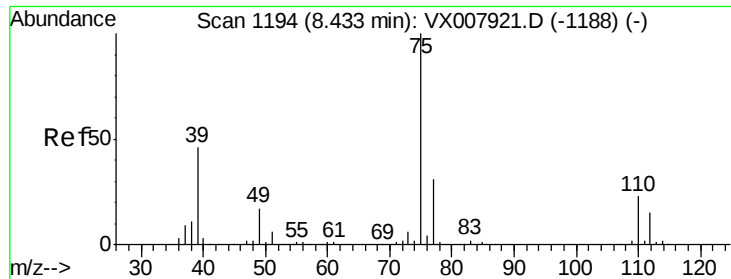
Tgt Ion: 75 Resp: 59078

Ion Ratio Lower Upper

75 100

77 31.0 24.5 36.7





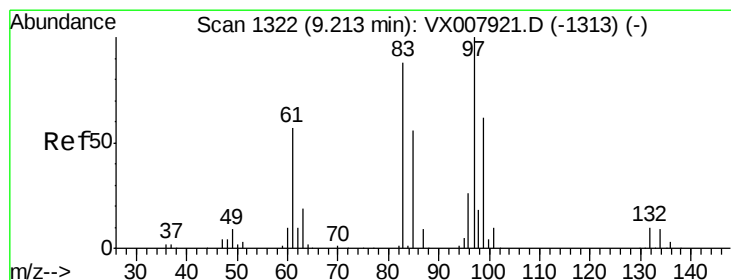
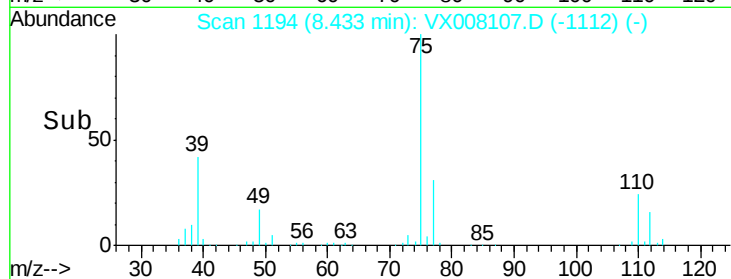
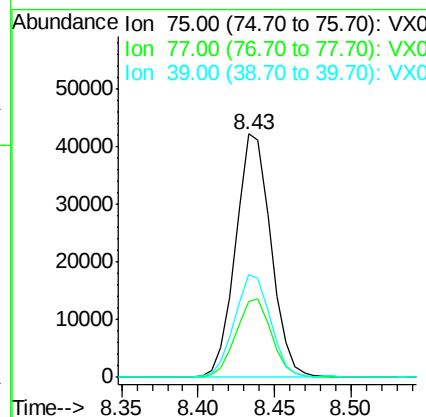
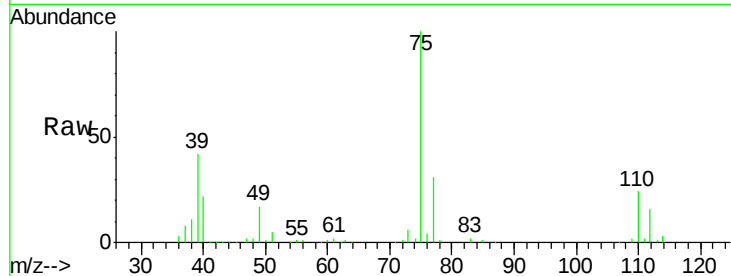
#49
 cis-1,3-Dichloropropene
 Concen: 16.291 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0315WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.4
39	42.1	38.5	57.7

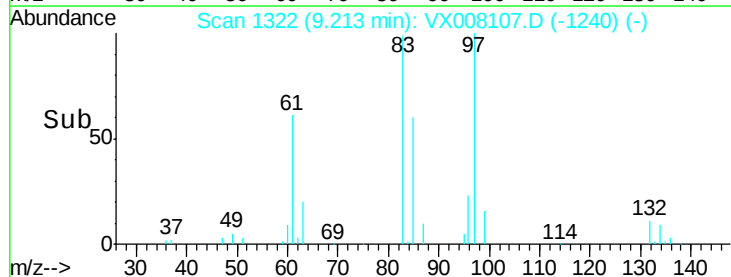
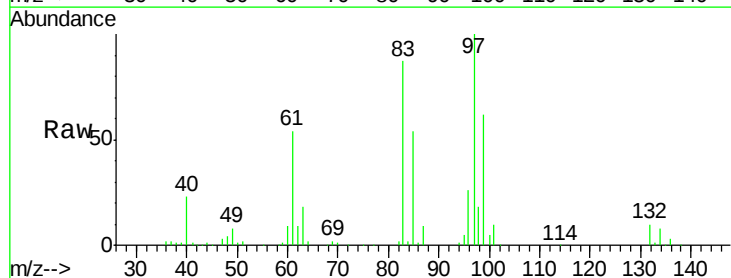
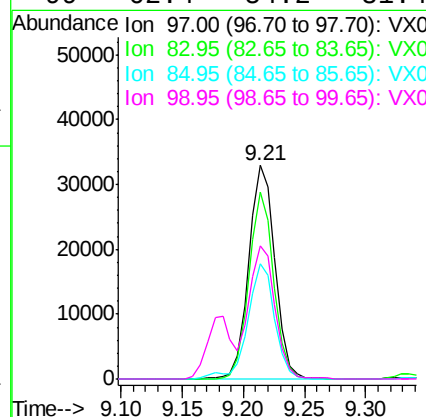
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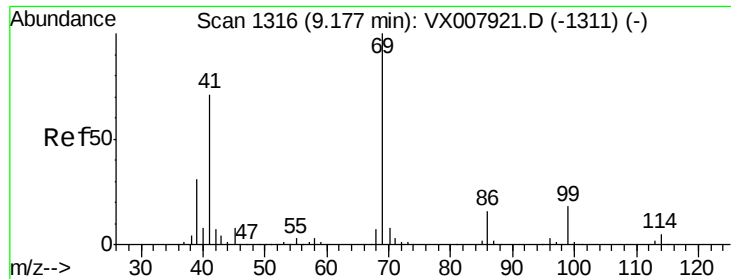
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#50
 1,1,2-Trichloroethane
 Concen: 17.885 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.5	72.0	108.0
85	53.9	45.0	67.6
99	62.4	54.2	81.4





#51

Ethyl methacrylate

Concen: 16.674 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Instrument :

MSVOA_X

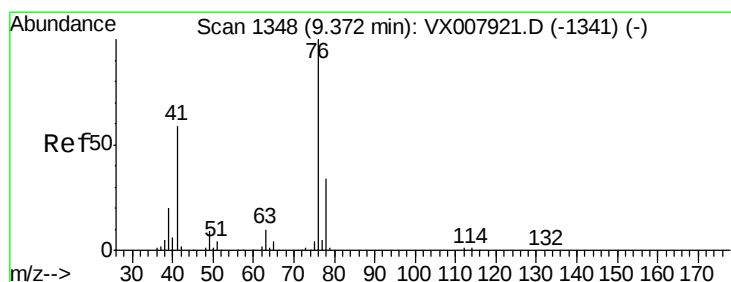
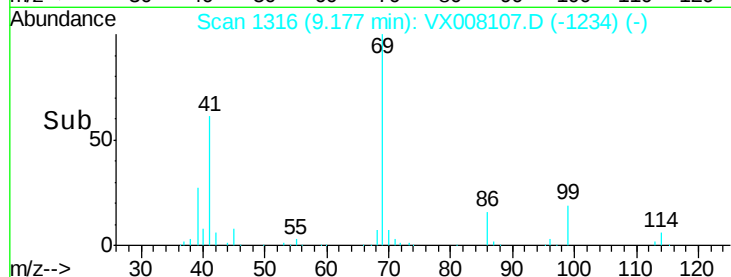
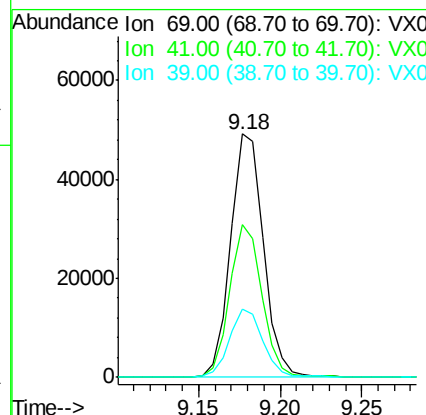
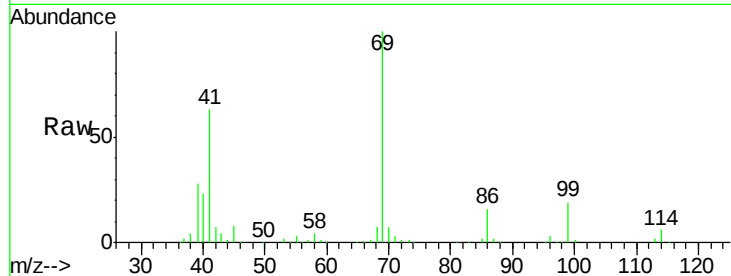
ClientSampleId :

VX0315WBSD01

Tot Ion:	69	Resp:	69301
Ion	Ratio	Lower	Upper
69	100		
41	62.7	32.1	96.5
39	27.9	18.8	56.3

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#52

1,3-Dichloropropane

Concen: 17.181 ug/l

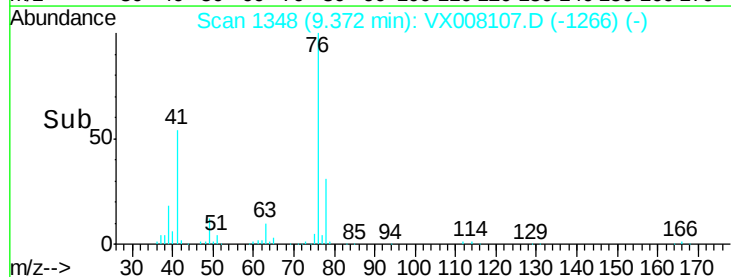
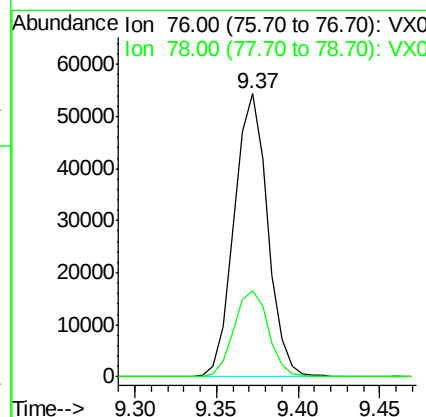
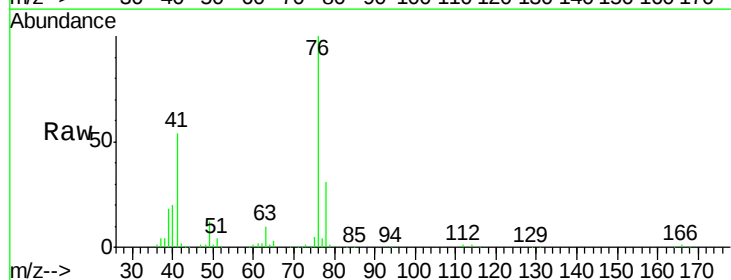
RT: 9.37 min Scan# 1348

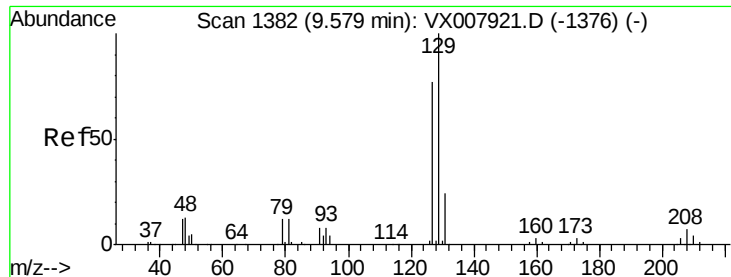
Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Tgt Ion:	76	Resp:	77802
Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	65.2





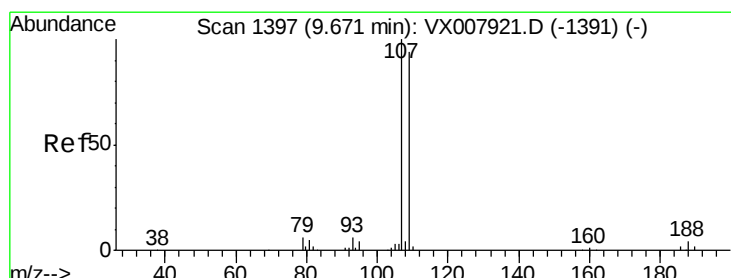
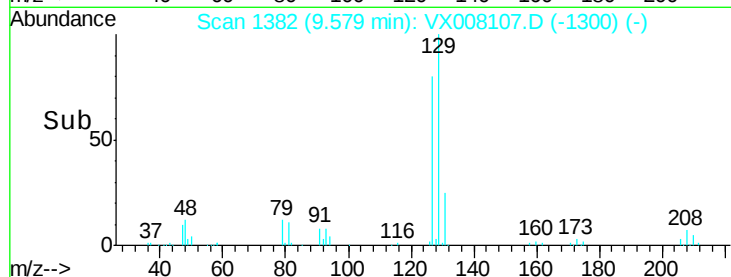
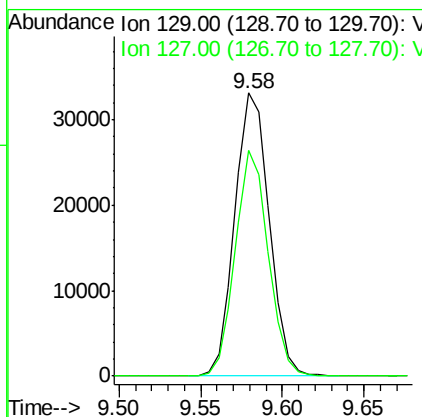
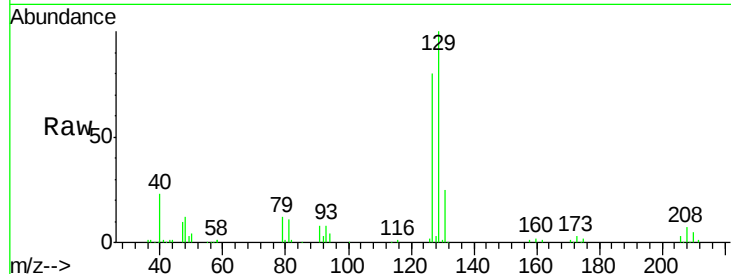
#53
Dibromochloromethane
Concen: 17.301 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Instrument :
MSVOA_X
ClientSampleId :
VX0315WBSD01

Tot Ion:129 Resp: 48772
Ion Ratio Lower Upper
129 100
127 76.3 38.4 115.2

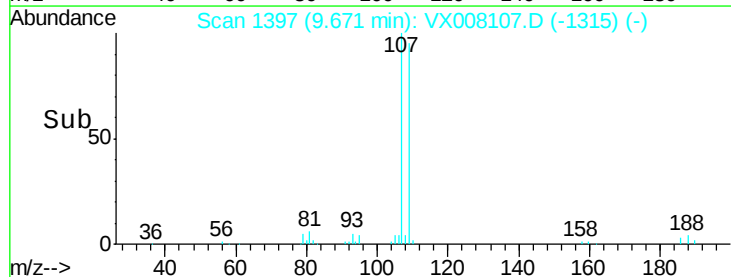
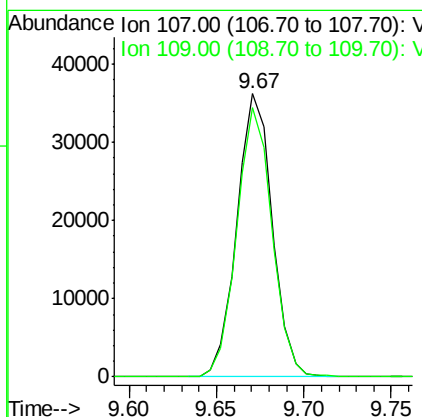
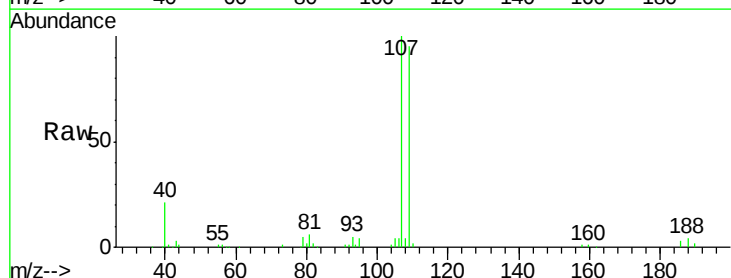
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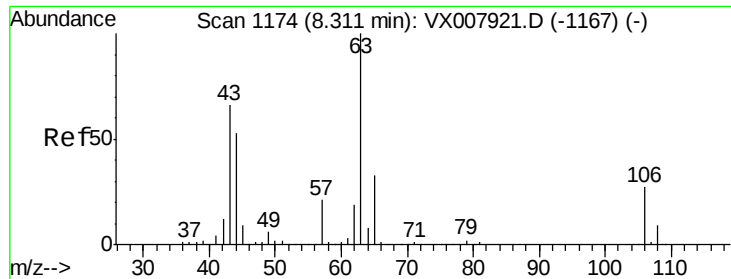
MMDadoda
3/16/2019 10:33:07 AM



#54
1,2-Dibromoethane
Concen: 17.739 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Tgt Ion:107 Resp: 50824
Ion Ratio Lower Upper
107 100
109 95.2 76.6 115.0





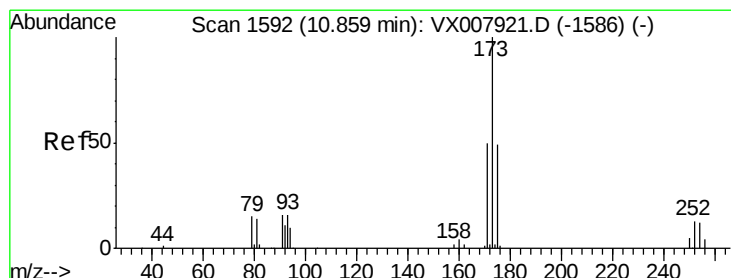
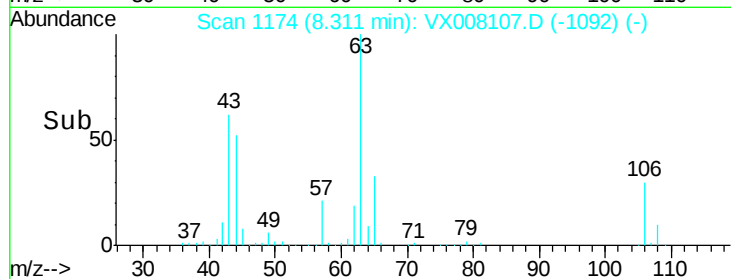
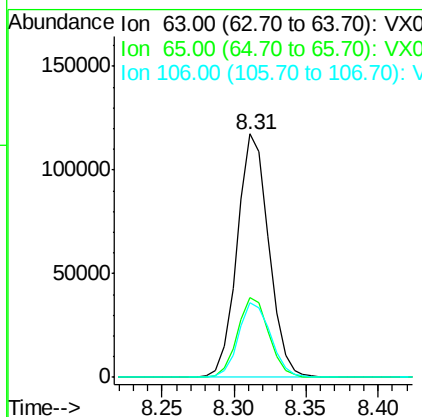
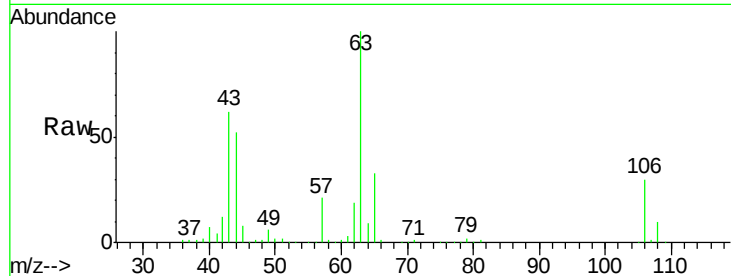
#55
2-Chloroethyl vinyl ether
Concen: 92.714 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Instrument :
MSVOA_X
ClientSampleId :
VX0315WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.7	38.5
106	31.1	23.7	35.5

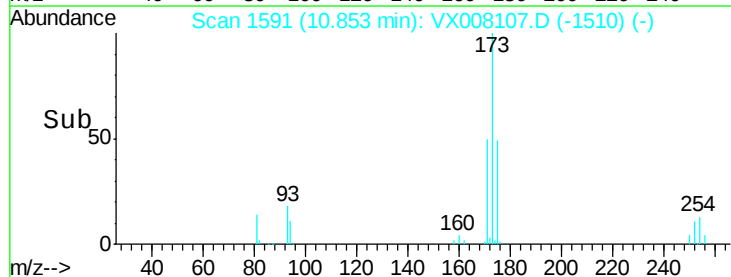
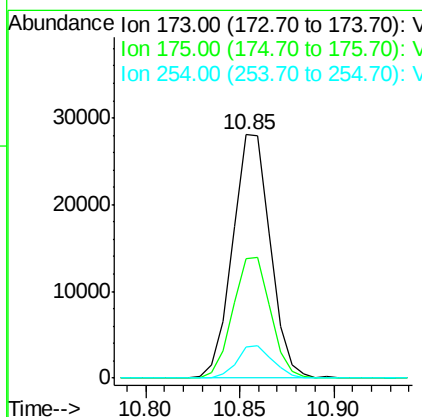
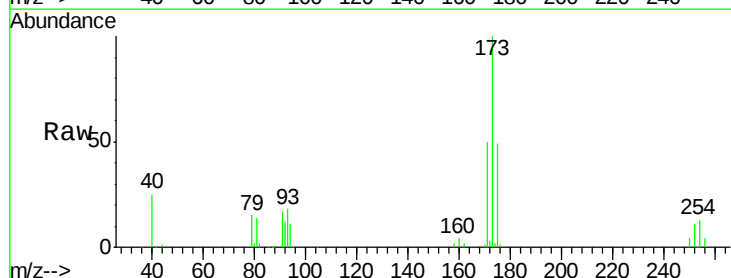
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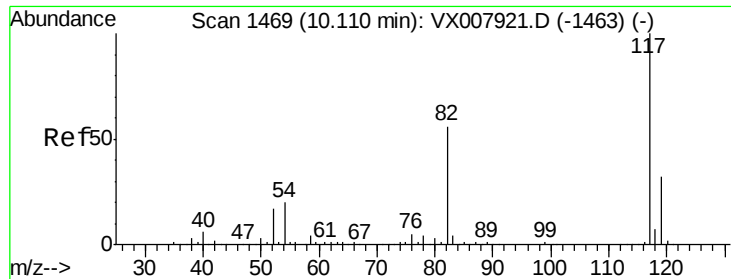
MMDadoda
3/16/2019 10:33:07 AM



#56
Bromoform
Concen: 17.381 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	38.5	57.7
254	12.5	7.4	11.2





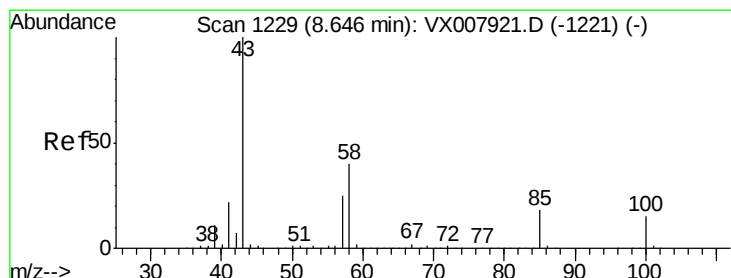
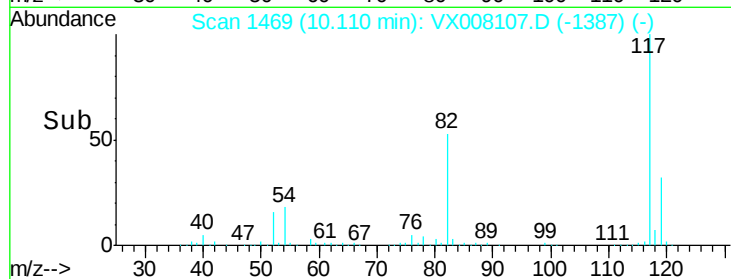
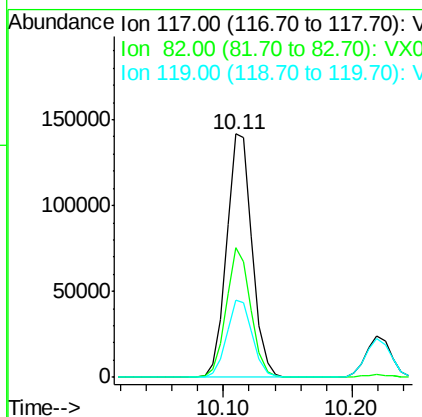
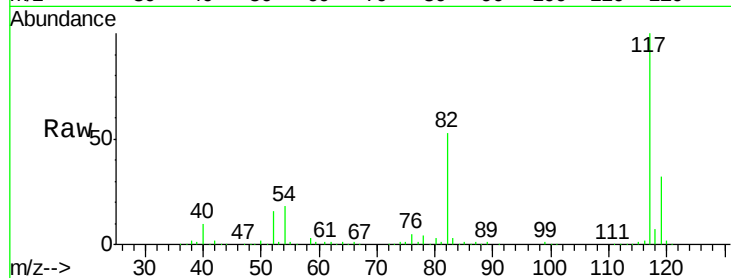
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Instrument :
MSVOA_X
ClientSampleId :
VX0315WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	40.4	60.6
119	31.9	25.8	38.6

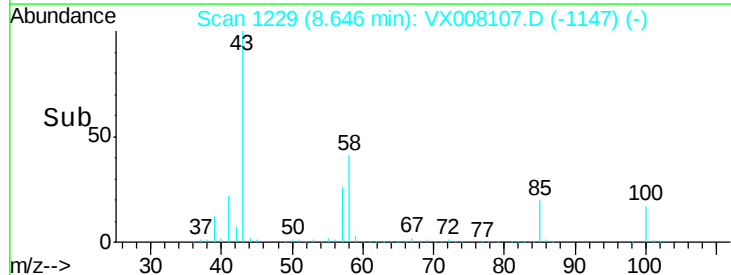
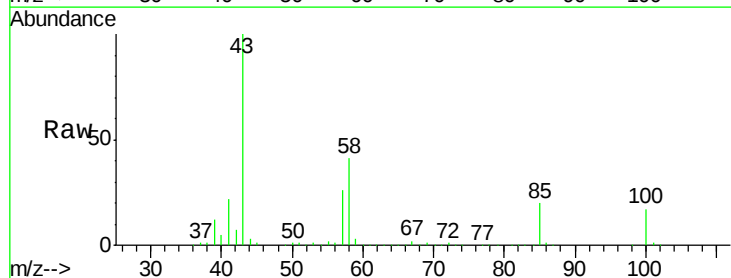
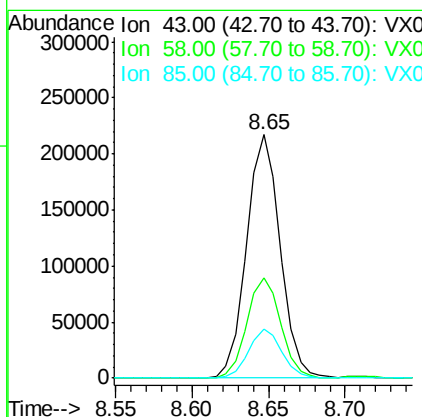
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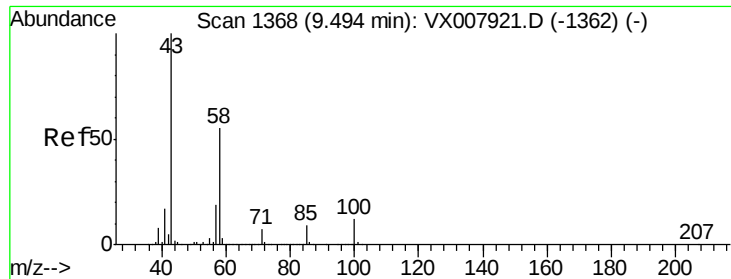
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 81.810 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.4	31.4	47.0
85	20.1	15.0	22.6





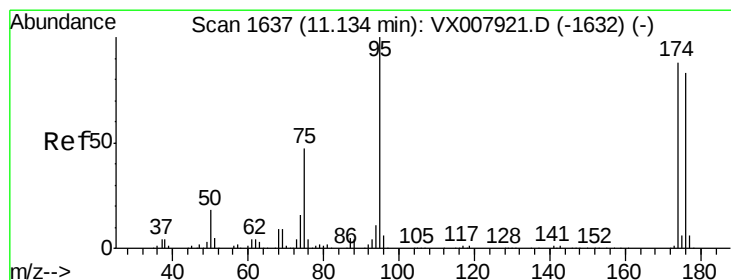
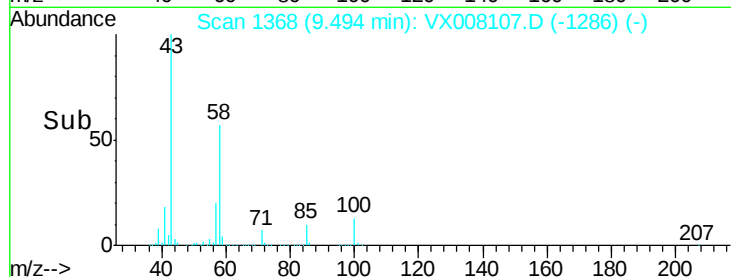
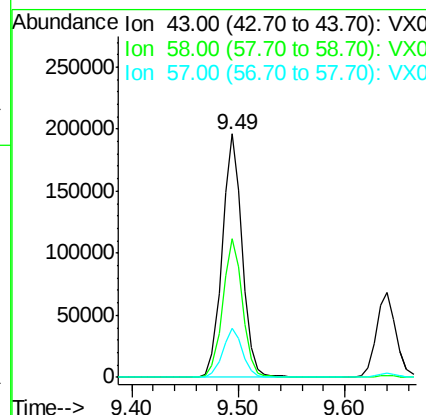
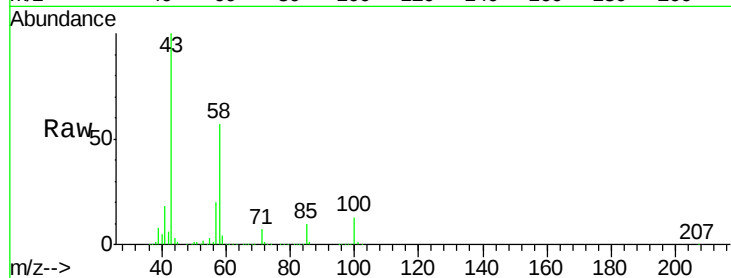
#59
2-Hexanone
Concen: 79.091 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Instrument :
MSVOA_X
ClientSampleId :
VX0315WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
58	57.1	43.9	65.9	
57	20.2	14.9	22.3	

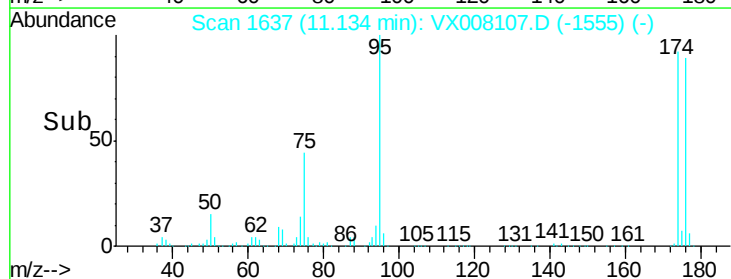
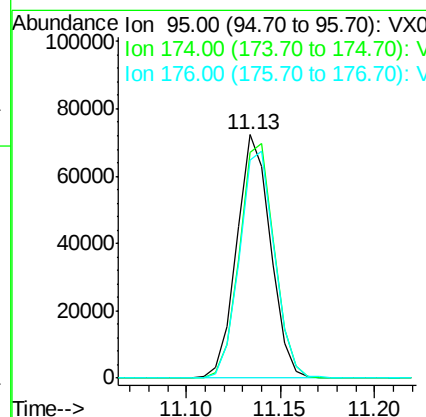
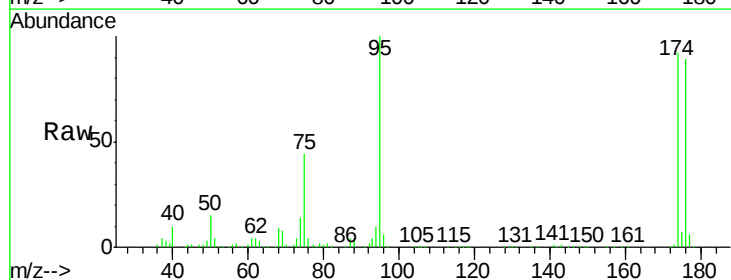
Manual Integrations
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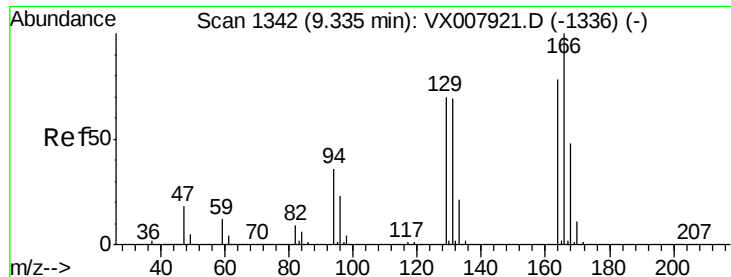
MMDadoda
3/16/2019 10:33:07 AM



#60
4-Bromofluorobenzene
Concen: 28.771 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
95	100			
174	98.6	74.9	112.3	
176	96.1	70.7	106.1	





#61

Tetrachloroethene

Concen: 19.134 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

VX0315WBSD01

Tot Ion:164 Resp: 54920

Ion Ratio Lower Upper

164 100

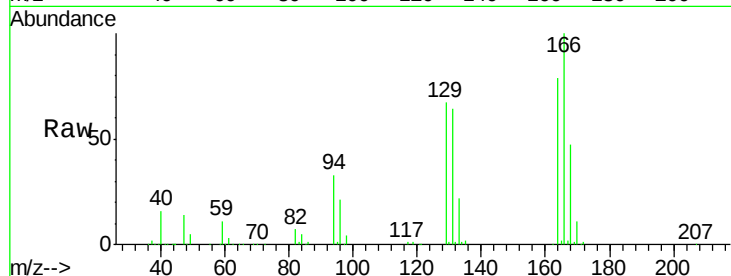
166 126.7 103.9 155.9

129 84.7 74.7 112.1

131 81.1 71.7 107.5

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3/16/2019 10:33:07 AM

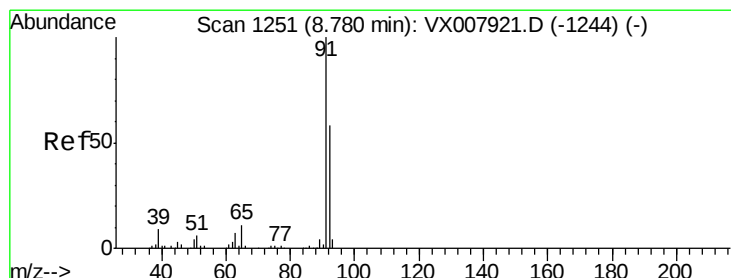
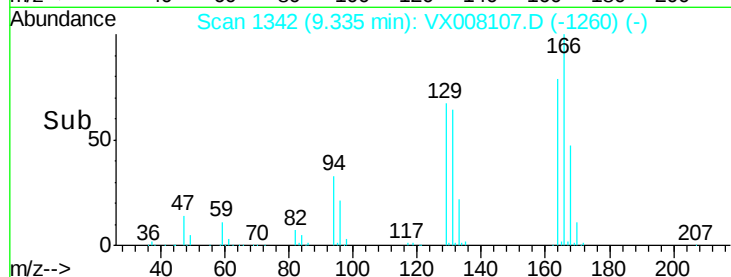
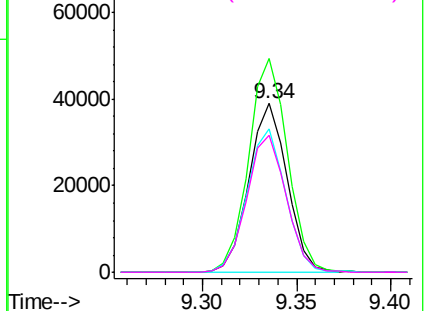


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 17.188 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX008107.D

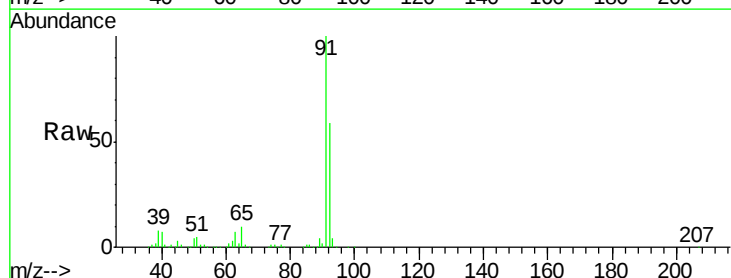
Acq: 15 Mar 2019 14:56

Tgt Ion: 91 Resp: 197482

Ion Ratio Lower Upper

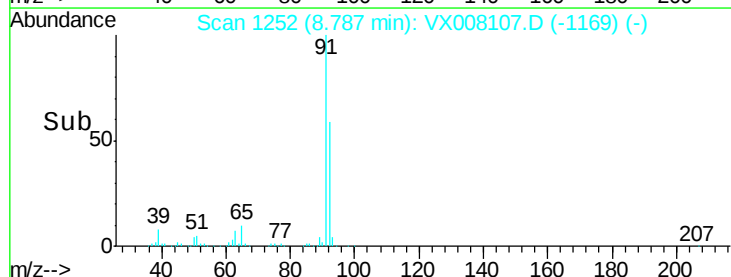
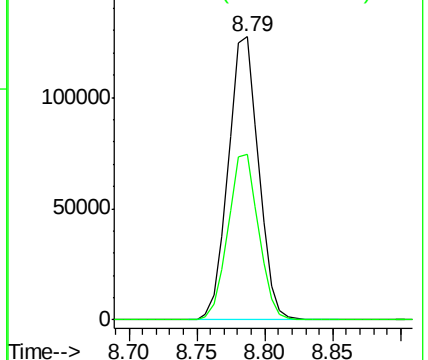
91 100

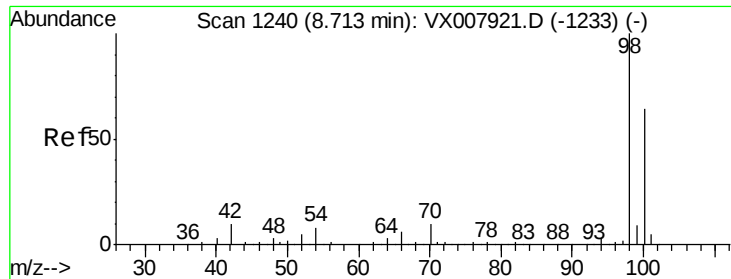
92 59.0 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





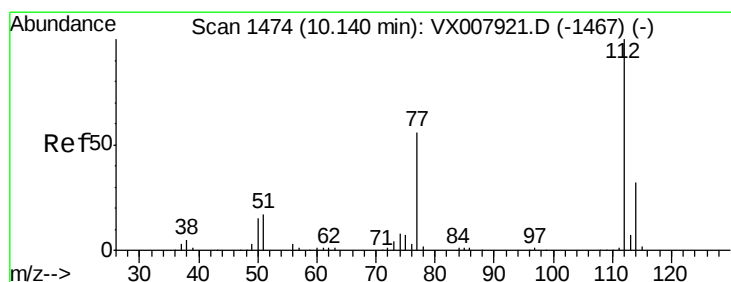
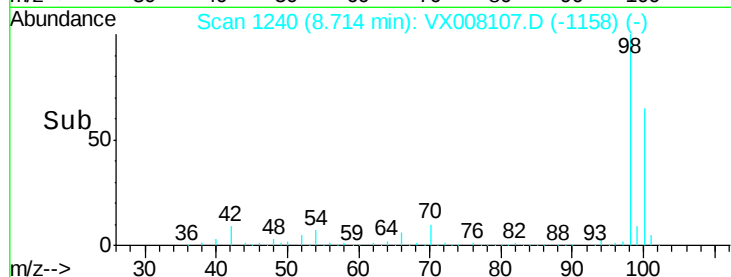
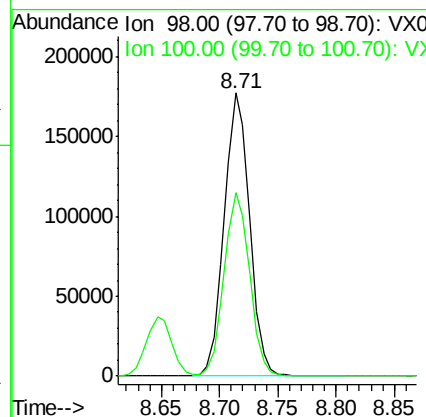
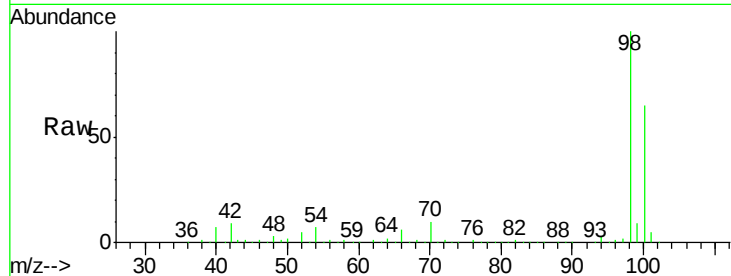
#63
Toluene-d8
Concen: 29.684 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Instrument :
MSVOA_X
ClientSampleId :
VX0315WBSD01

Tot Ion: 98 Resp: 267291
Ion Ratio Lower Upper
98 100
100 65.1 50.9 76.3

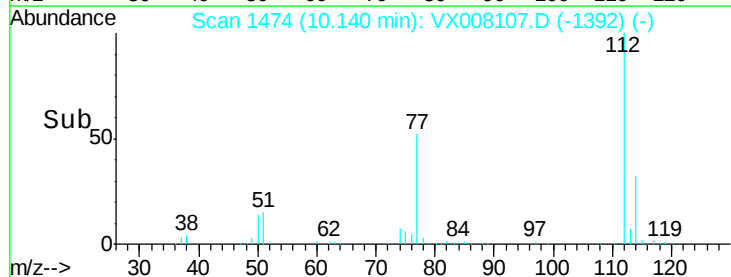
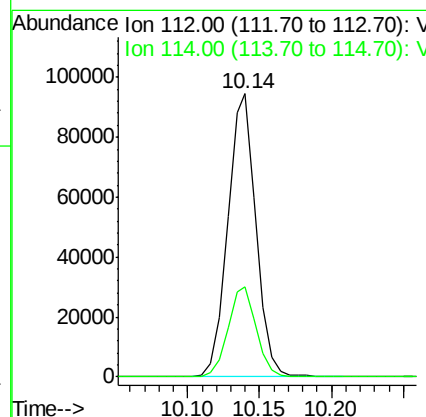
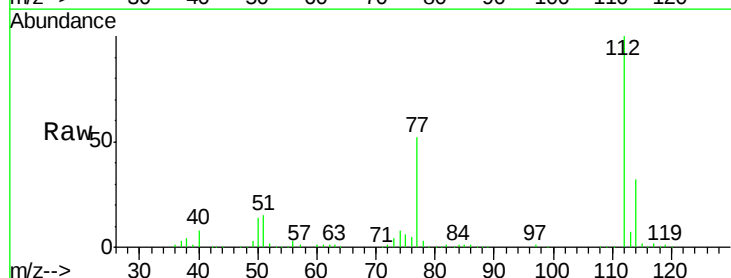
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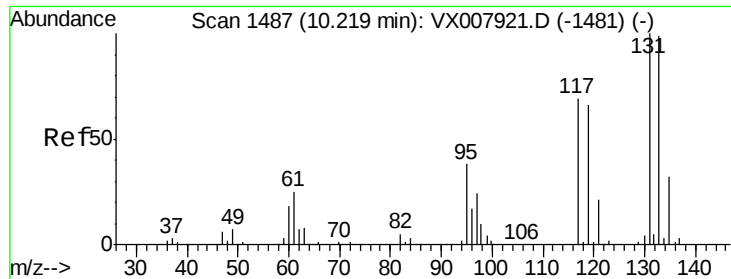
MMDadoda
3/16/2019 10:33:07 AM



#64
Chlorobenzene
Concen: 17.718 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Tgt Ion: 112 Resp: 129746
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2





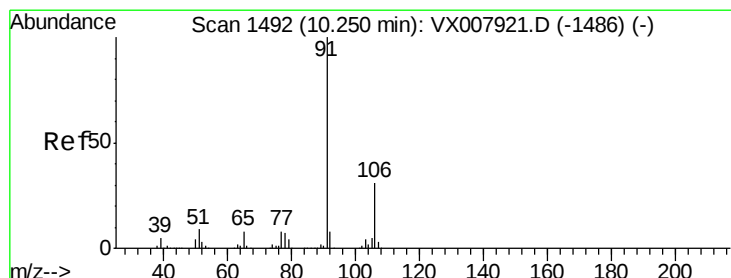
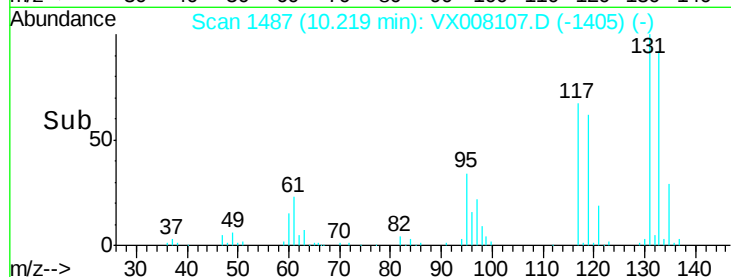
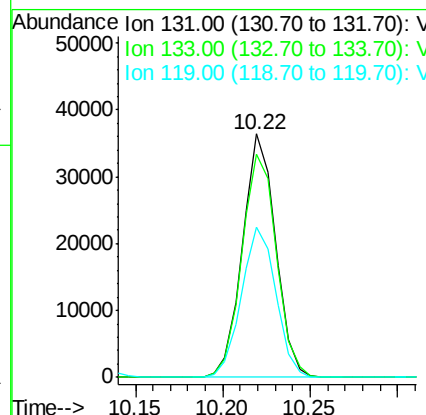
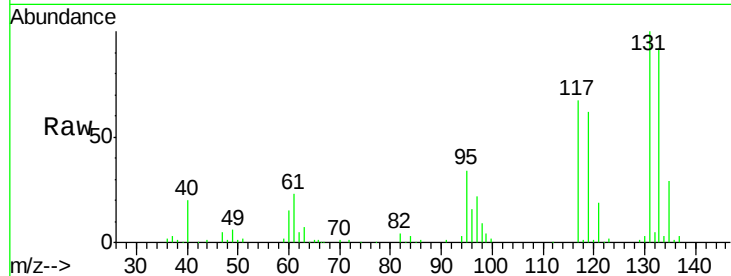
#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.223 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0315WBSD01

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.8	0.0	191.6
119	64.3	0.0	127.4

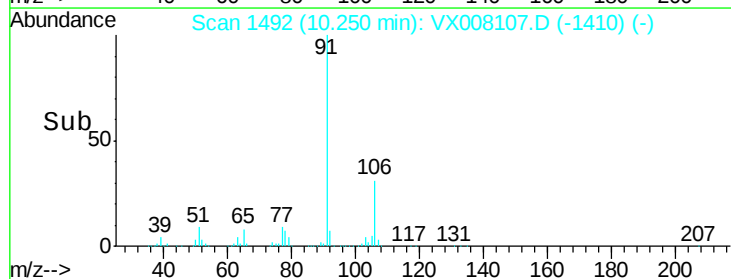
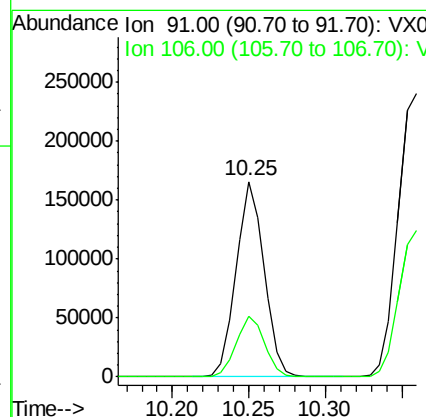
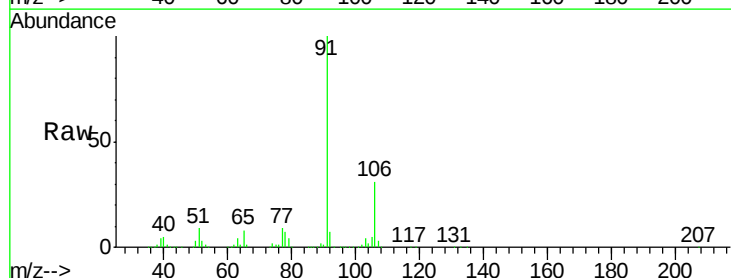
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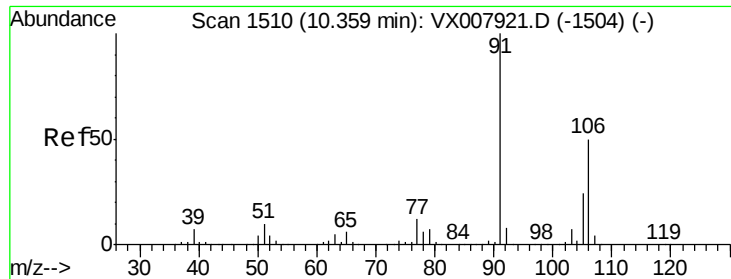
MMDadoda
 3/16/2019 10:33:07 AM



#66
 Ethyl Benzene
 Concen: 17.031 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	26.0	39.0





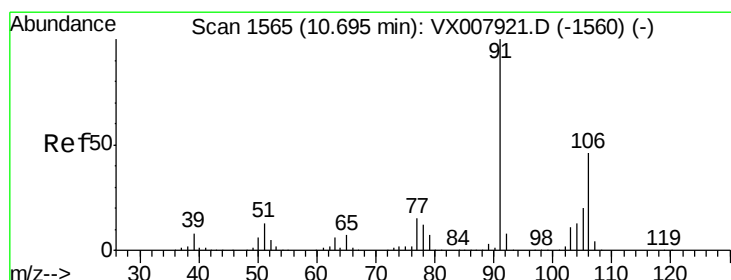
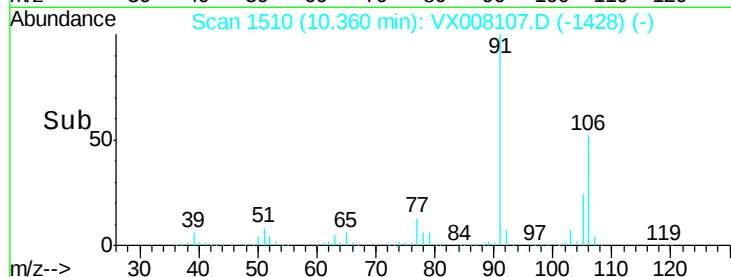
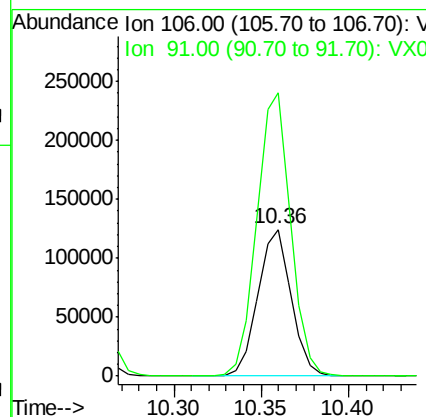
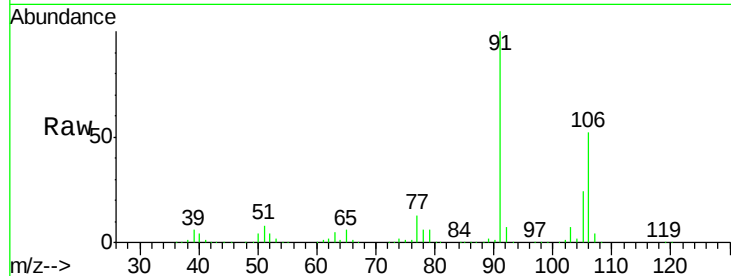
#67
m/p-Xvlenes
Concen: 35.008 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Instrument :
MSVOA_X
ClientSampled :
VX0315WBSD01

Tot Ion:106 Resp: 165659
Ion Ratio Lower Upper
106 100
91 196.2 157.0 235.4

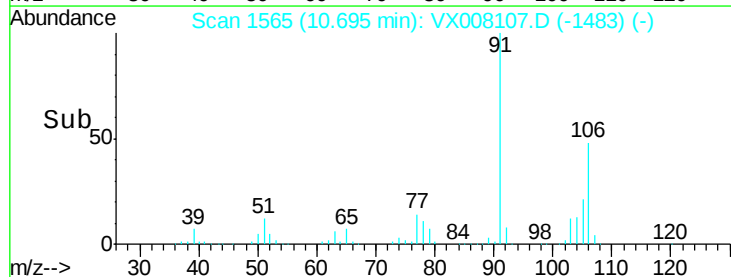
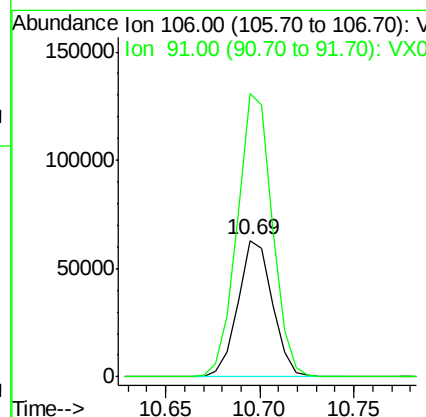
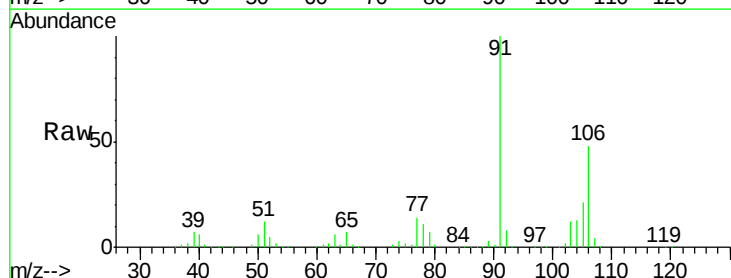
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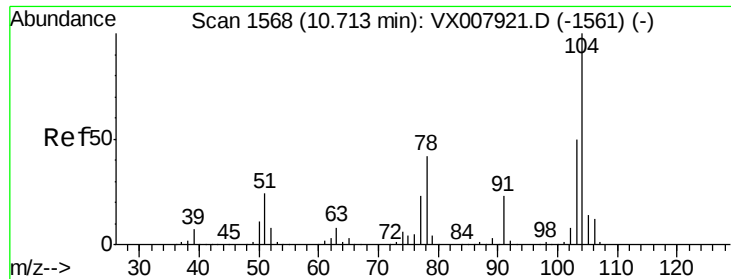
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#68
o-Xylene
Concen: 17.414 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Tgt Ion:106 Resp: 80018
Ion Ratio Lower Upper
106 100
91 210.7 104.4 313.2





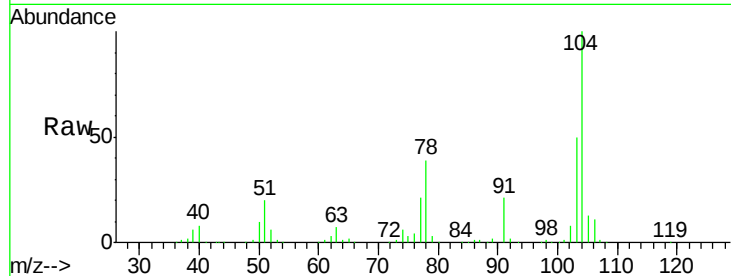
#69
Stvrene
Concen: 17.399 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Instrument :
MSVOA_X
ClientSampleId :
VX0315WBSD01

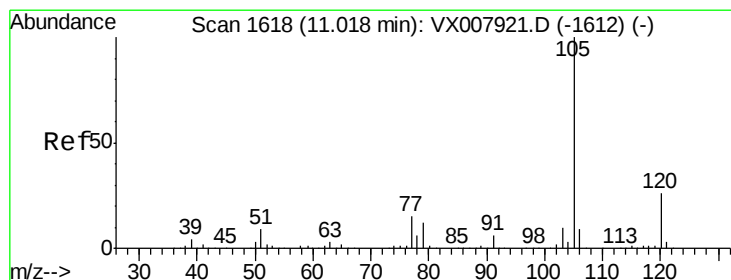
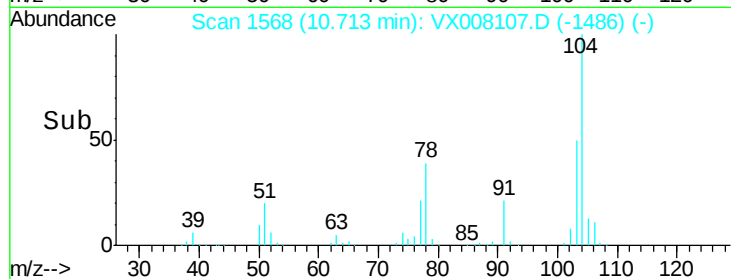
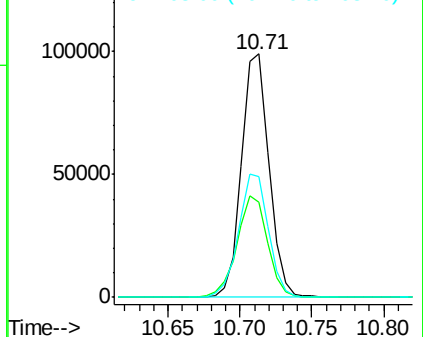
Tot Ion	Ratio	Lower	Upper
104	100		
78	46.3	38.2	57.2
103	55.3	45.0	67.4

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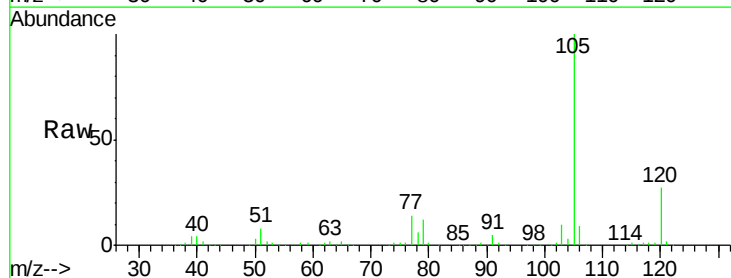


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

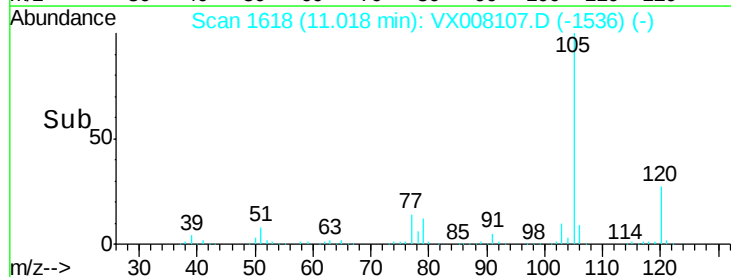
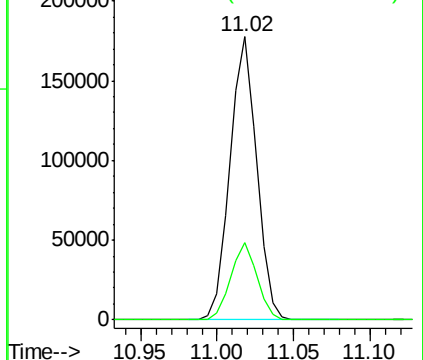


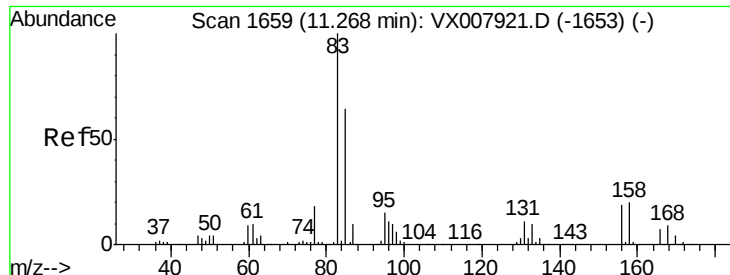
#70
Isopropylbenzene
Concen: 17.500 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	19.8	36.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





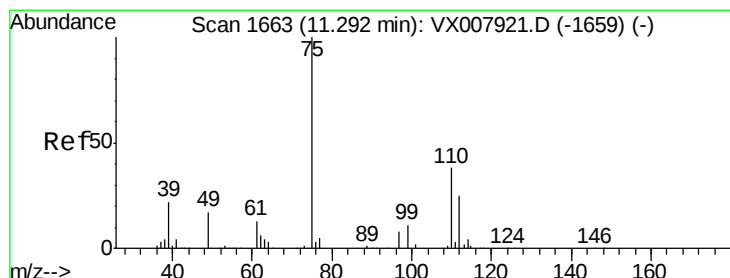
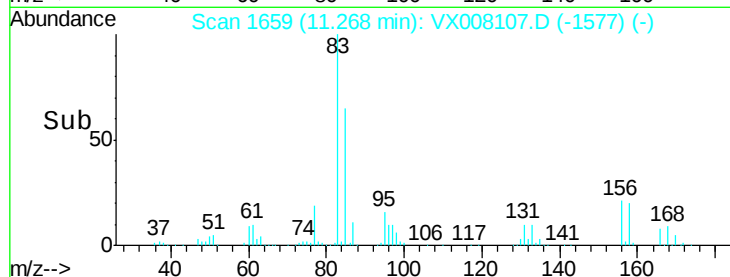
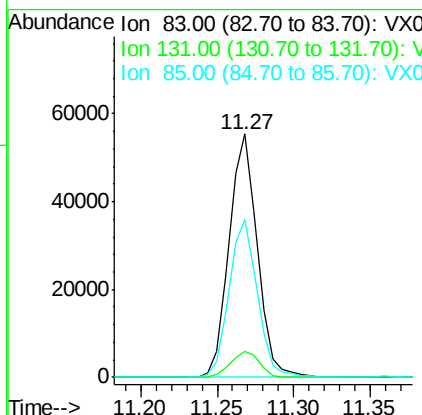
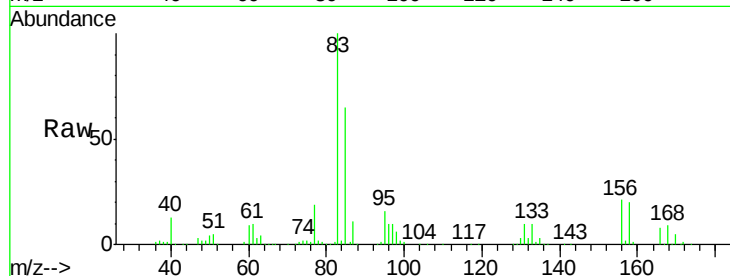
#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.452 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0315WBSD01

Tot Ion	83	Resp	70772
Ion Ratio	100	Lower	Upper
83	100		
131	11.0	5.4	16.2
85	65.0	32.8	98.4

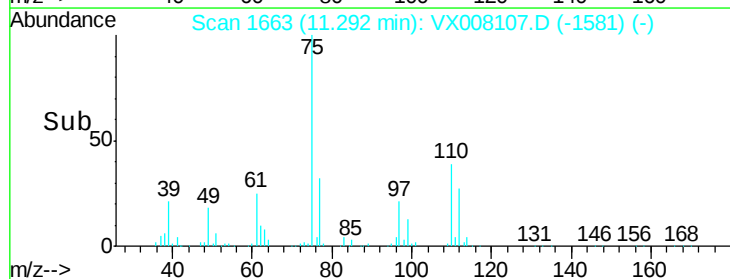
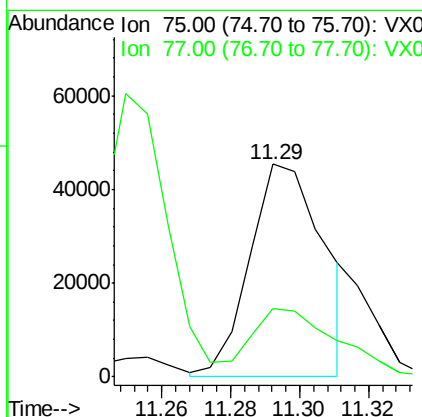
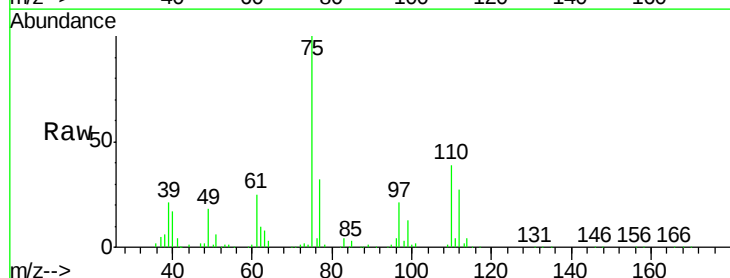
Manual Integrations
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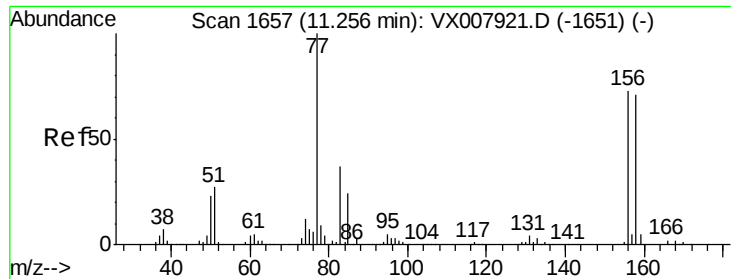
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 3/16/2019 10:33:07 AM



#72
 1,2,3-Trichloropropane
 Concen: 17.696 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Tgt Ion	75	Resp	67640
Ion Ratio	100	Lower	Upper
75	100		
77	38.3	0.0	76.4





#73

Bromobenzene

Concen: 18.250 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Instrument :

MSVOA_X

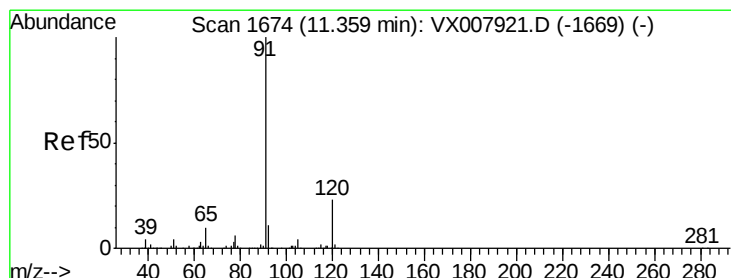
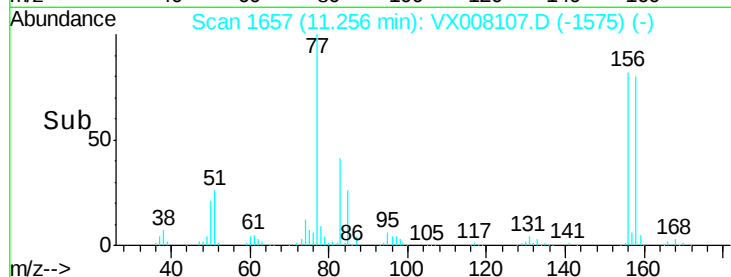
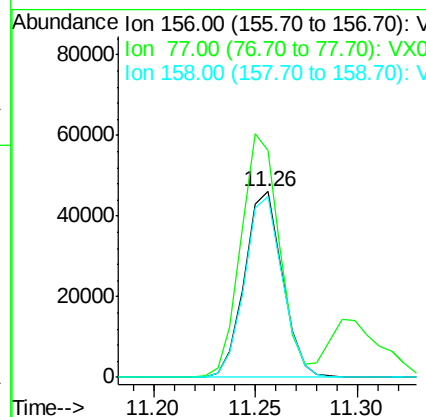
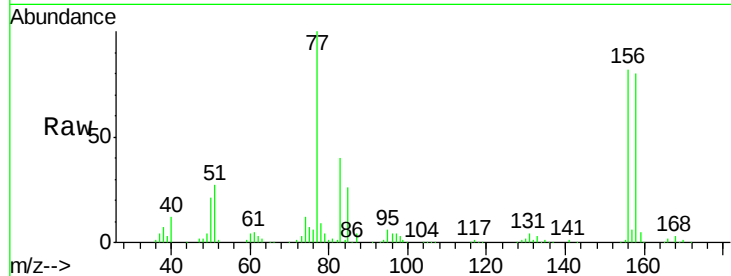
ClientSampleId :

VX0315WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	132.1	0.0	271.4
158	97.5	0.0	194.0

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#74

n-propylbenzene

Concen: 16.857 ug/l

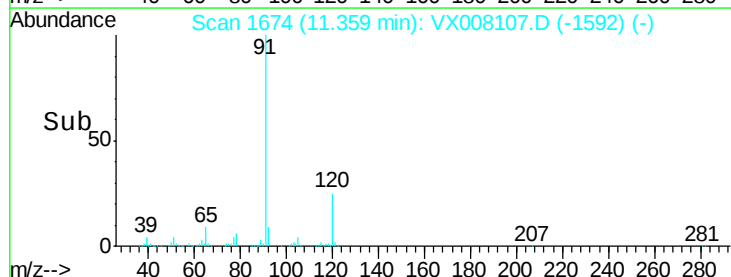
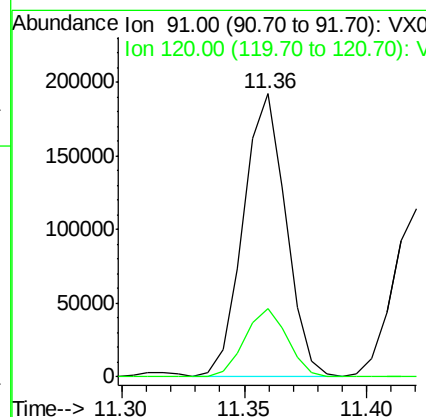
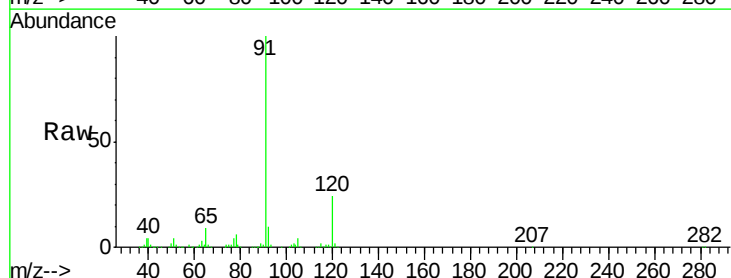
RT: 11.36 min Scan# 1674

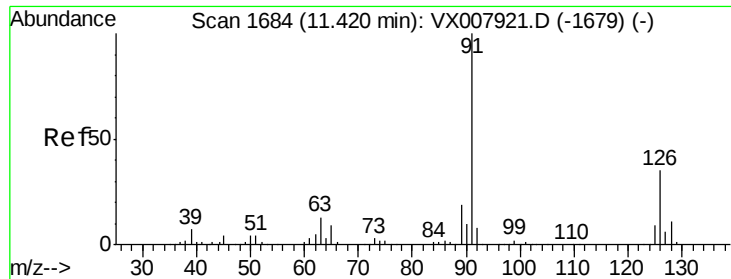
Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	0.0	48.6





#75

2-Chlorotoluene

Concen: 17.053 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Instrument :

MSVOA_X

ClientSampleId :

VX0315WBSD01

Tot Ion: 91 Resp: 141563

Ion Ratio Lower Upper

91 100

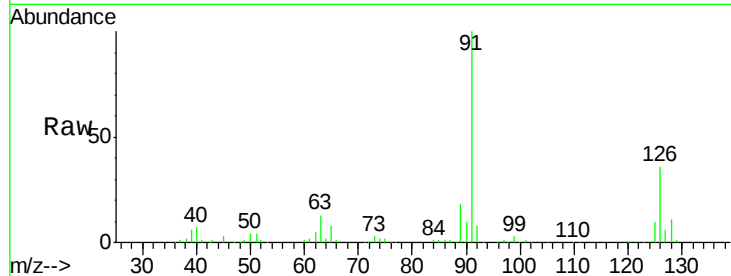
126 36.2 0.0 75.2

Manual Integrations

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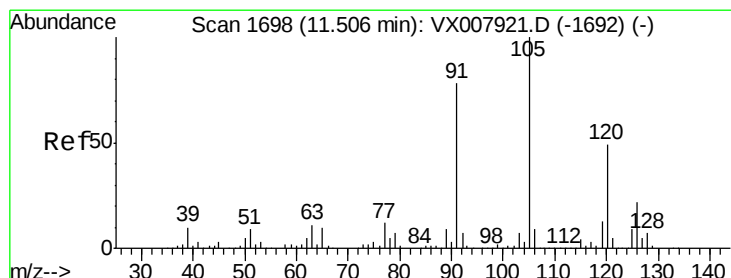
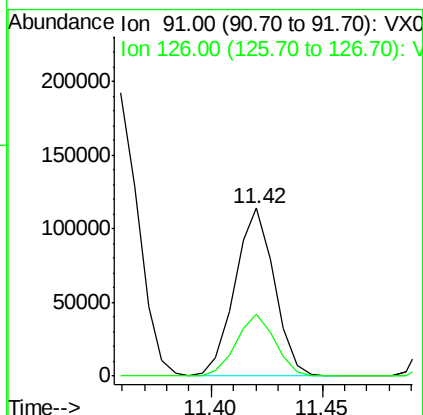
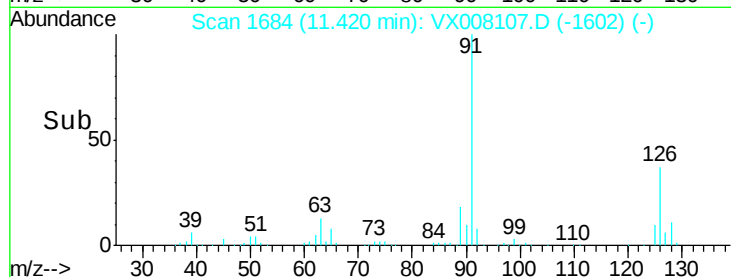
MMDadoda

3/16/2019 10:33:07 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 17.574 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008107.D

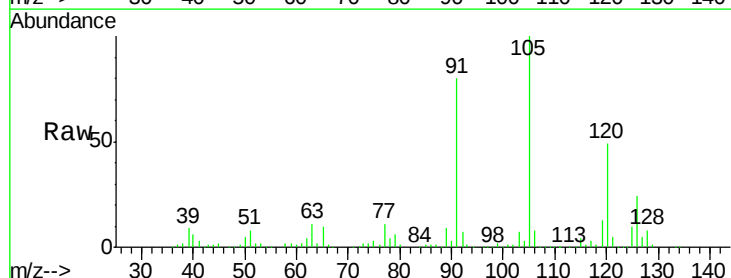
Acq: 15 Mar 2019 14:56

Tgt Ion: 105 Resp: 178828

Ion Ratio Lower Upper

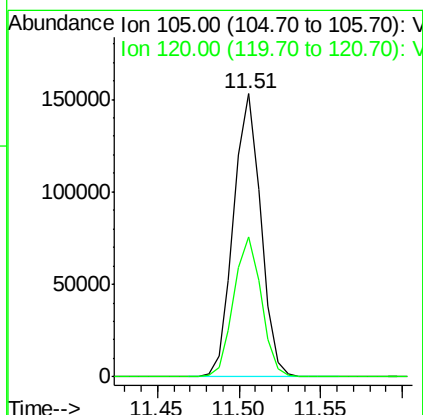
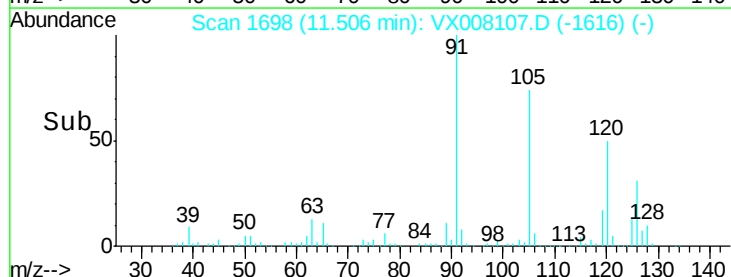
105 100

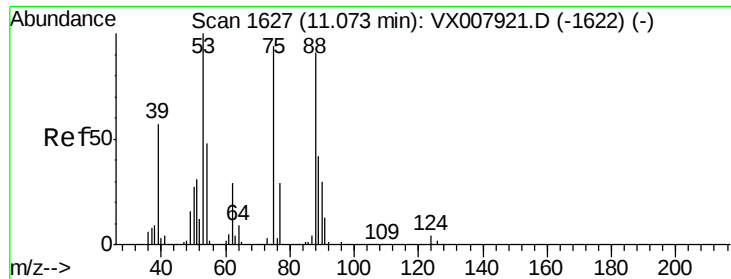
120 49.9 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





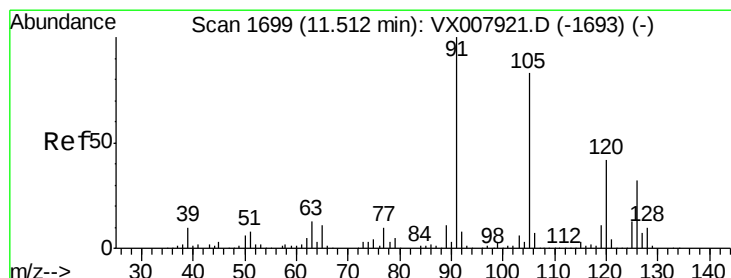
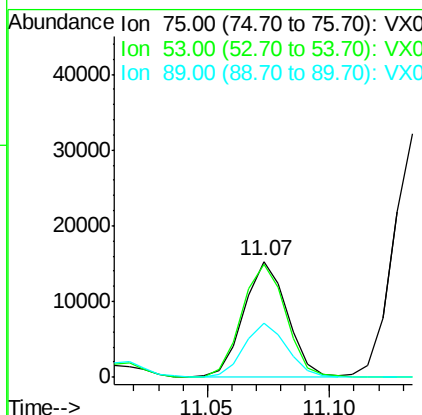
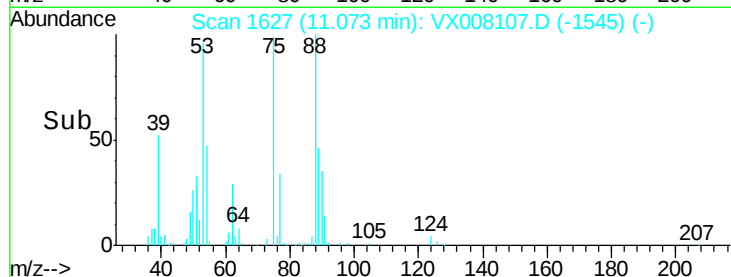
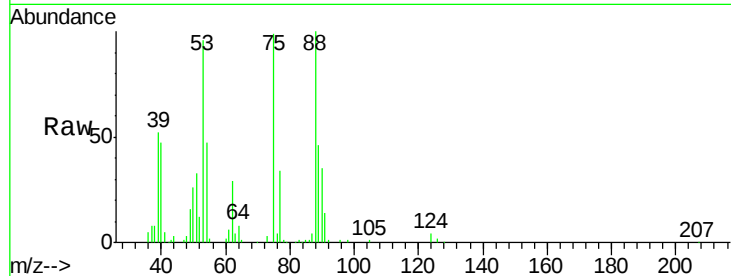
#77
t-1,4-Dichloro-2-butene
Concen: 16.185 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Instrument :
MSVOA_X
ClientSampleId :
VX0315WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.0	55.5	166.7
89	46.1	24.4	73.2

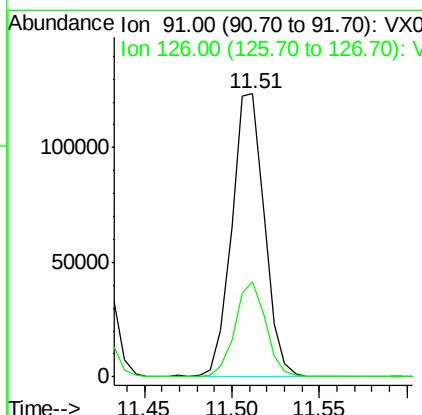
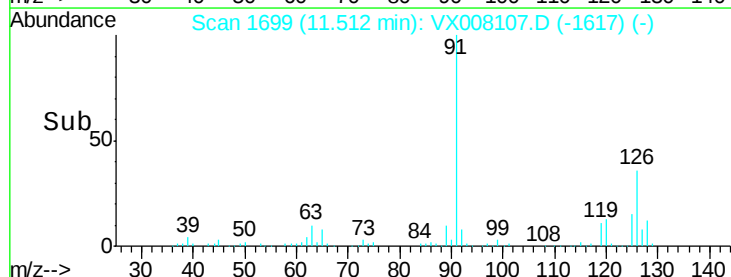
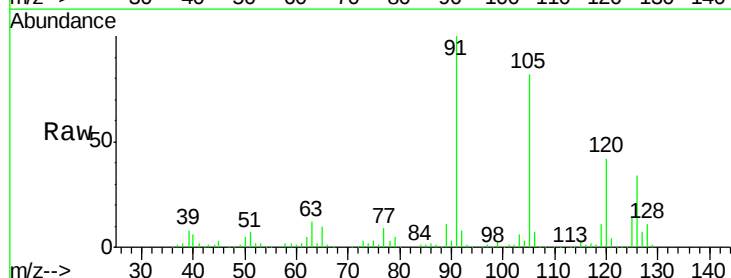
Manual Integrations
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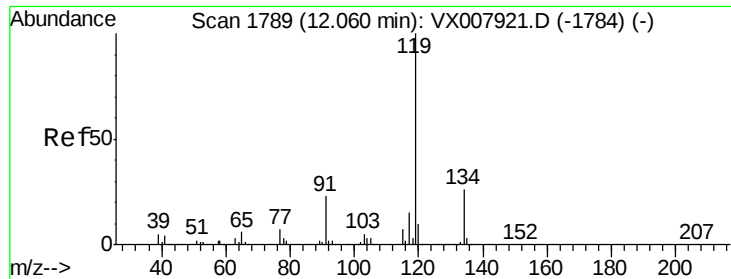
MMDadoda
3/16/2019 10:33:07 AM



#78
4-Chlorotoluene
Concen: 17.082 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	66.2





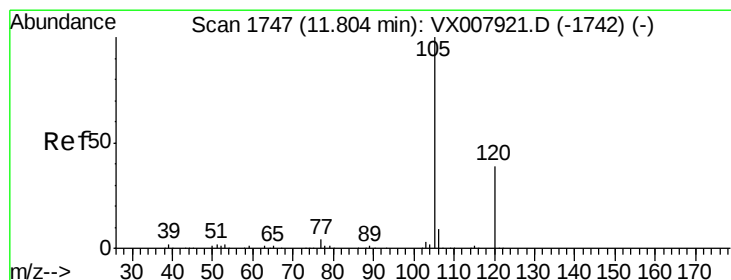
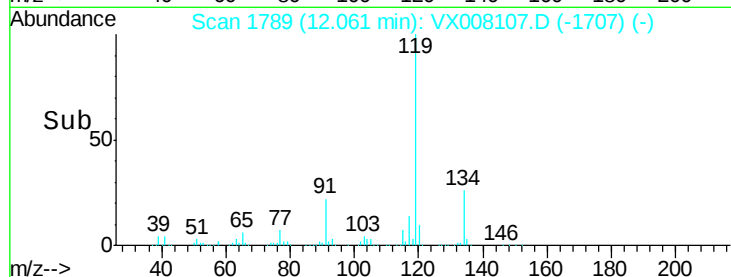
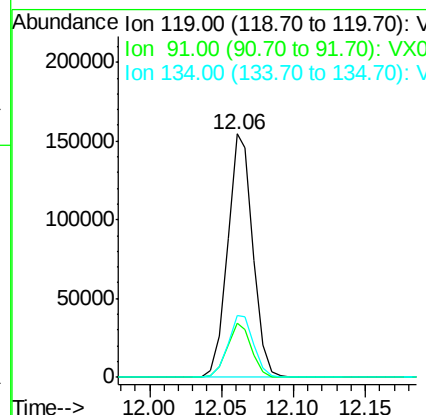
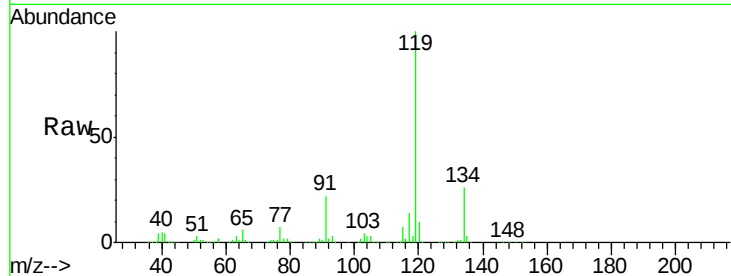
#79
tert-butylbenzene
Concen: 17.447 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Instrument :
MSVOA_X
ClientSampleId :
VX0315WBSD01

Tot Ion	Ratio	Resp Lower	Upper
119	100		
91	21.4	0.0	45.0
134	26.0	0.0	55.4

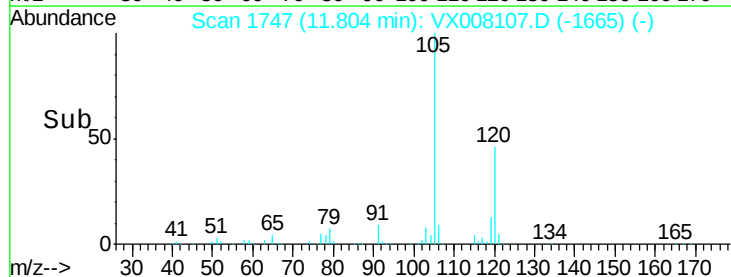
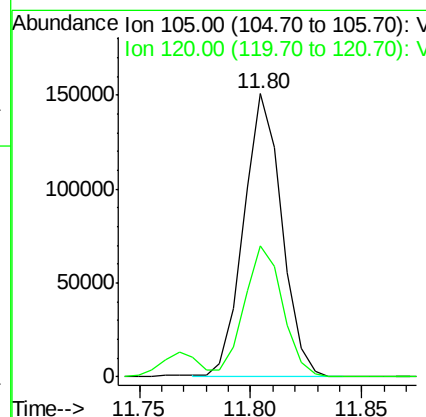
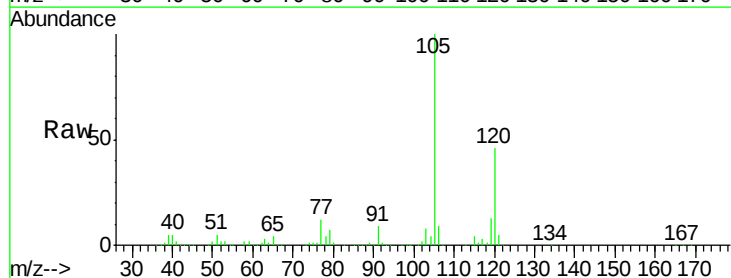
Manual Integrations
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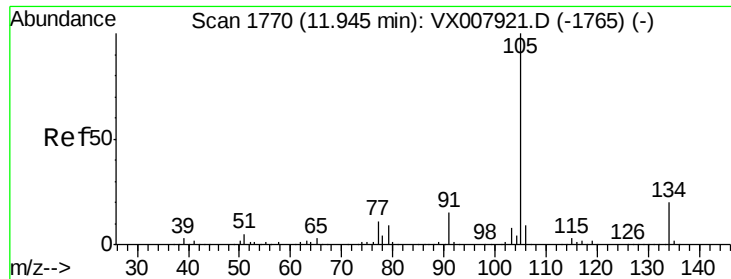
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#80
1,2,4-Trimethylbenzene
Concen: 17.348 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
120	46.1	0.0	94.0





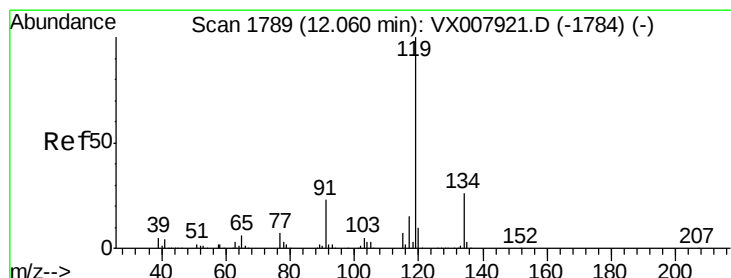
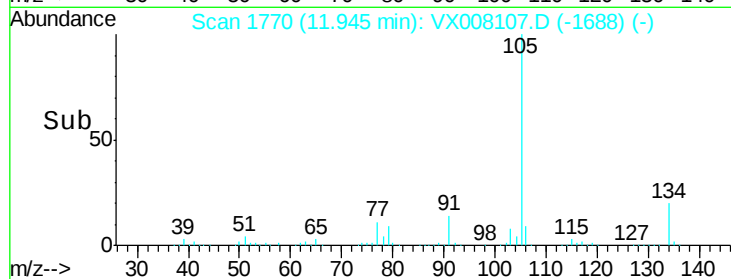
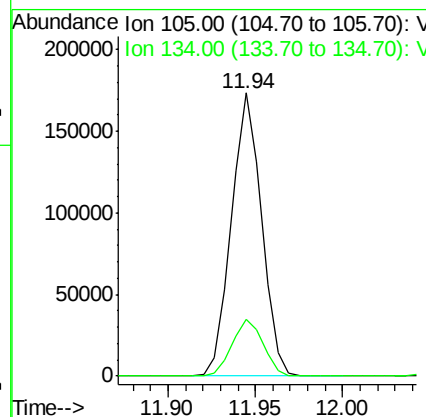
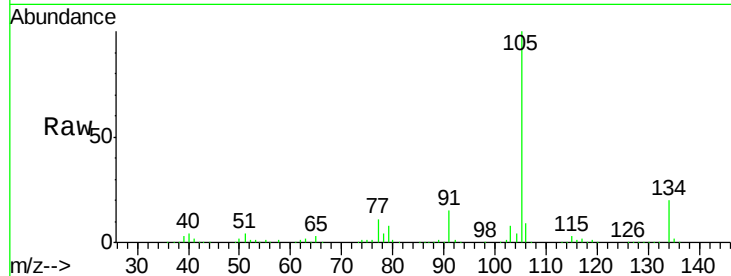
#81
 sec-Butylbenzene
 Concen: 16.983 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0315WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	207726		
134	20.6	0.0	41.8	

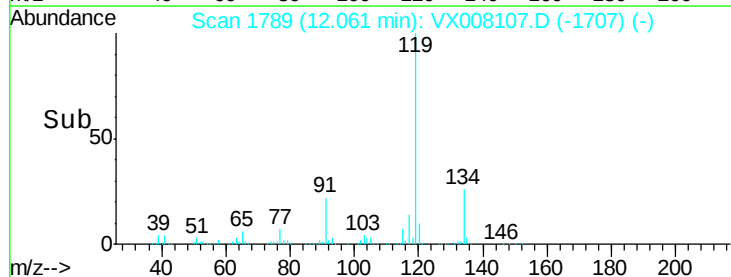
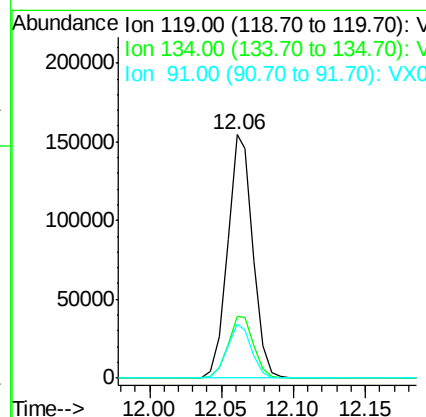
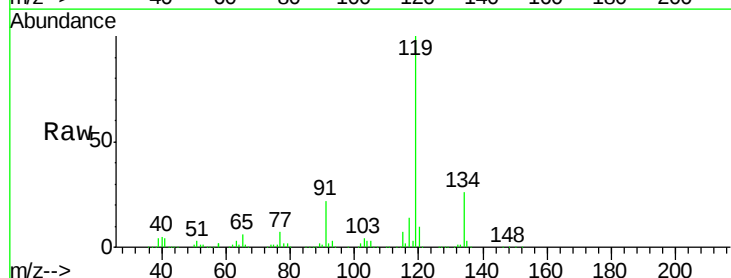
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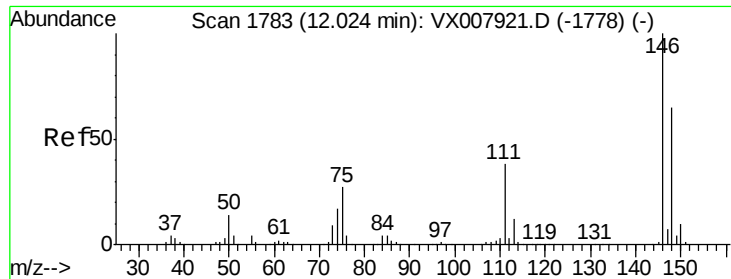
MMDadoda
 3/16/2019 10:33:07 AM



#82
 p-Isopropyltoluene
 Concen: 17.447 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	190515		
134	26.0	0.0	55.4	
91	21.4	0.0	45.0	





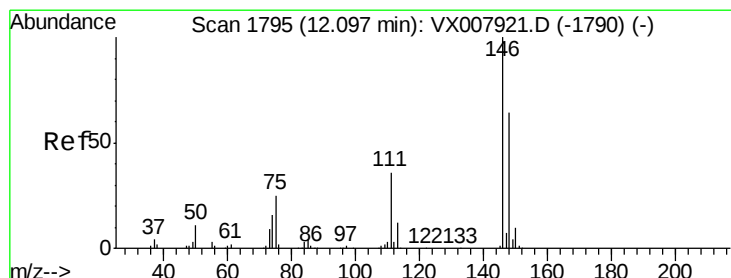
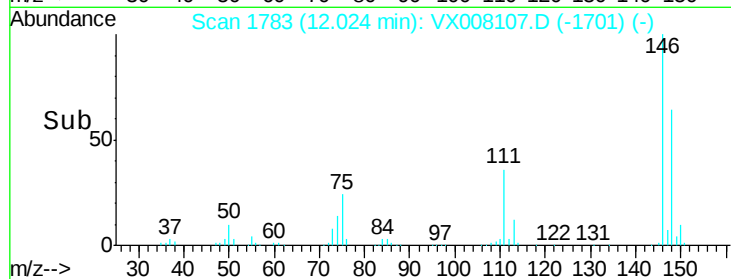
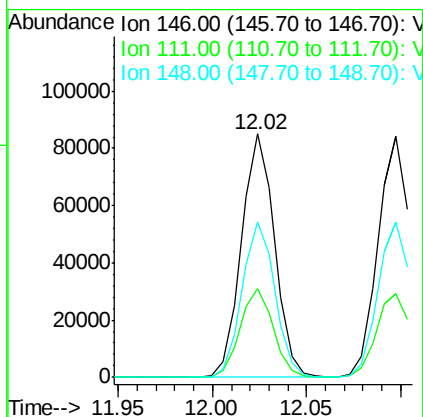
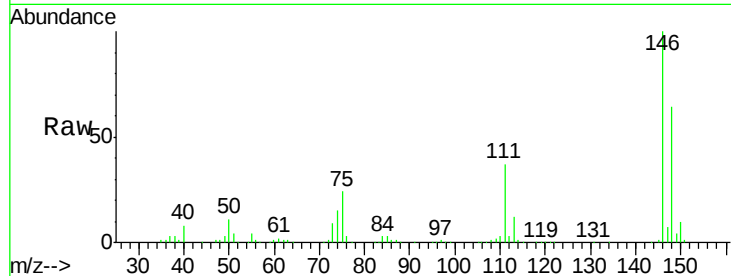
#83
 1,3-Dichlorobenzene
 Concen: 17.879 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0315WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.8	56.3
148	63.3	30.6	91.8

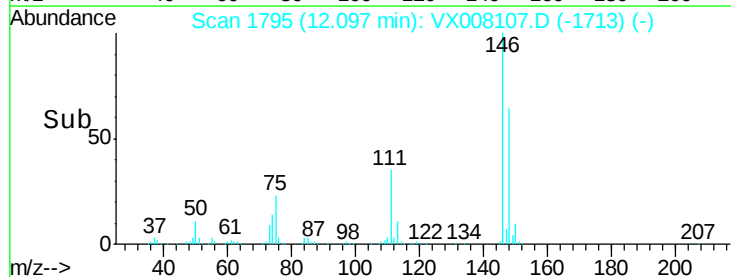
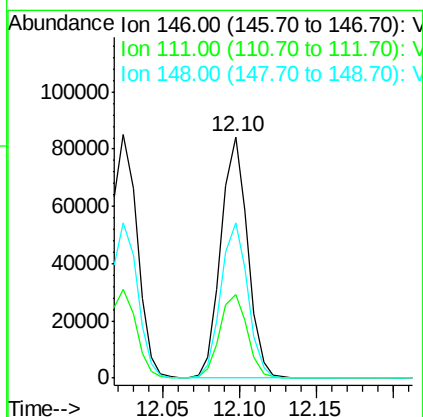
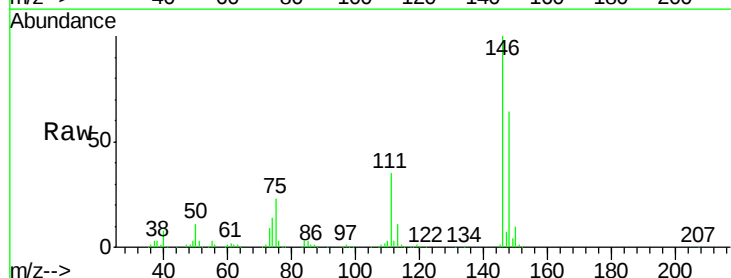
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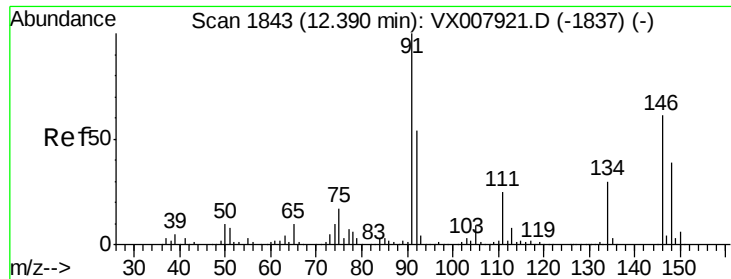
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#84
 1,4-Dichlorobenzene
 Concen: 17.628 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	17.6	52.8
148	64.5	31.4	94.2





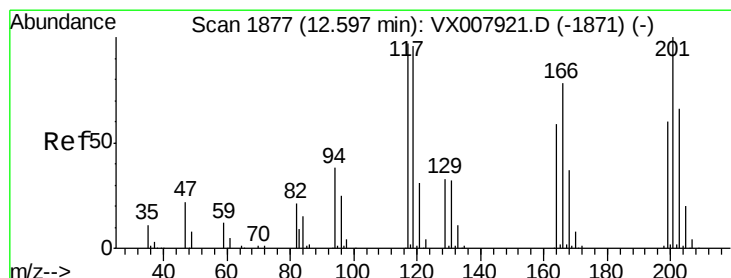
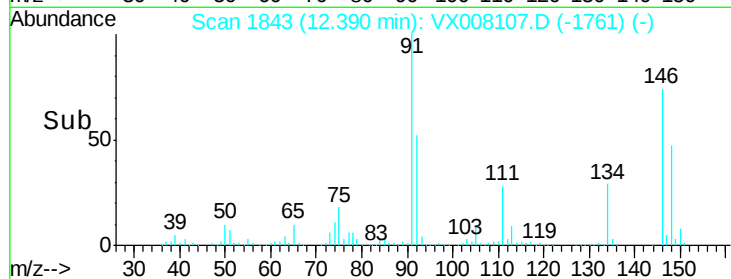
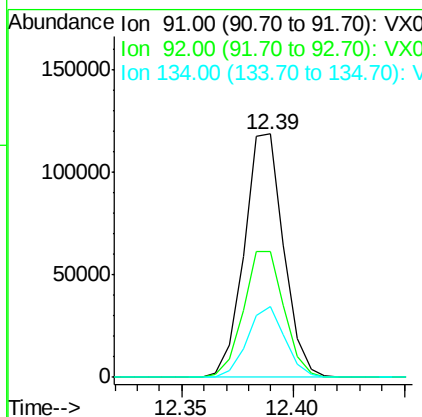
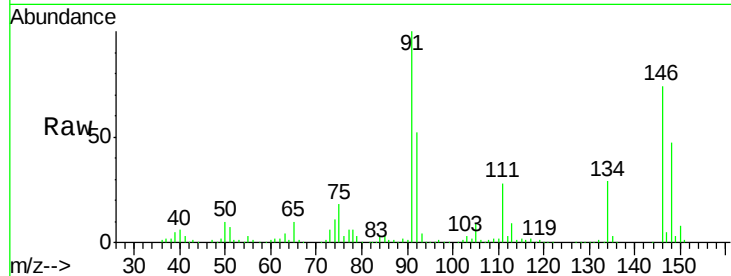
#85
n-Butylbenzene
Concen: 15.779 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Instrument :
MSVOA_X
ClientSampleId :
VX0315WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	147361		
92	53.0	0.0	105.2	
134	27.8	0.0	56.4	

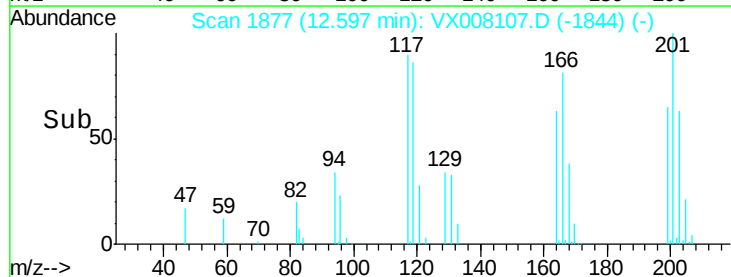
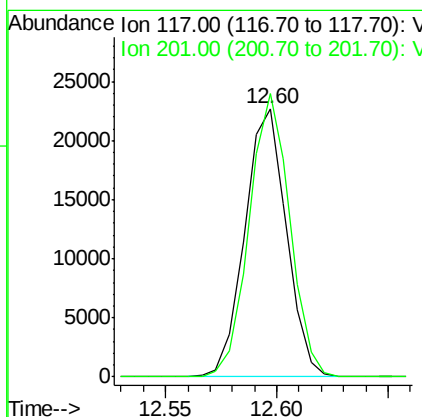
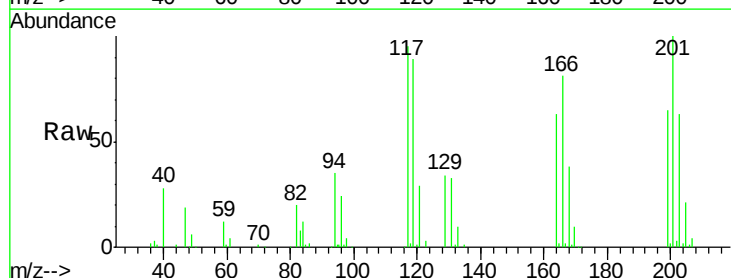
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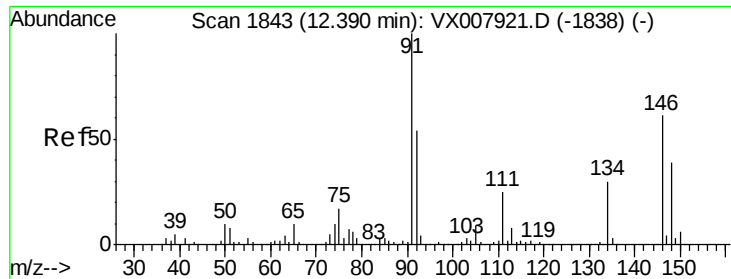
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#86
Hexachloroethane
Concen: 16.598 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008107.D
Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	29531		
201	102.7	41.1	123.3	





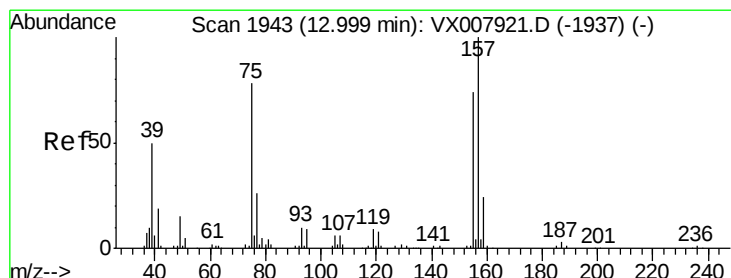
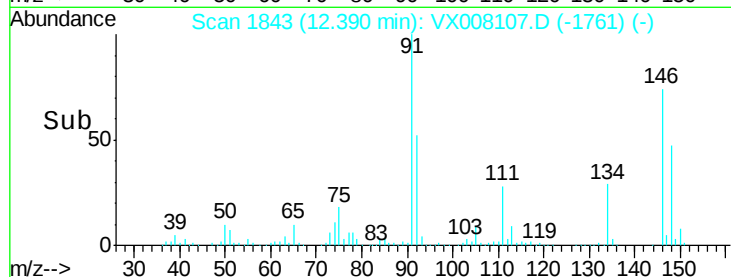
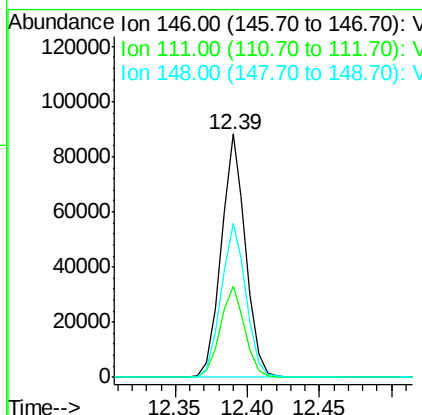
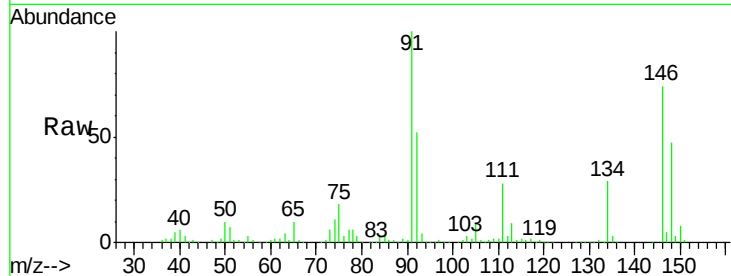
#87
 1,2-Dichlorobenzene
 Concen: 18.210 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0315WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	104592		
111	37.6	19.3	57.8	
148	64.6	32.1	96.3	

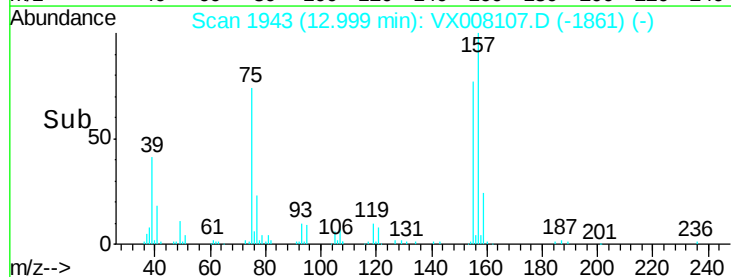
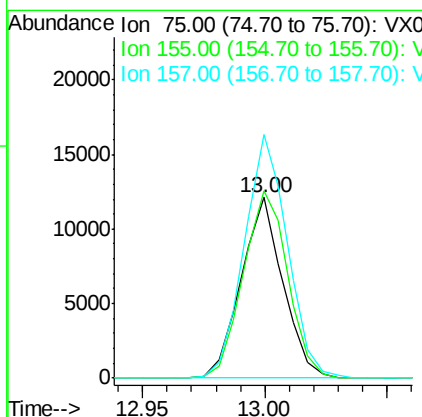
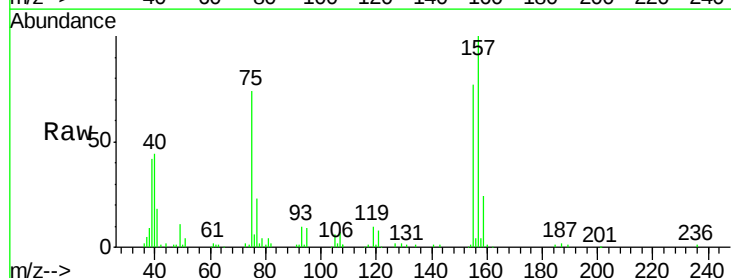
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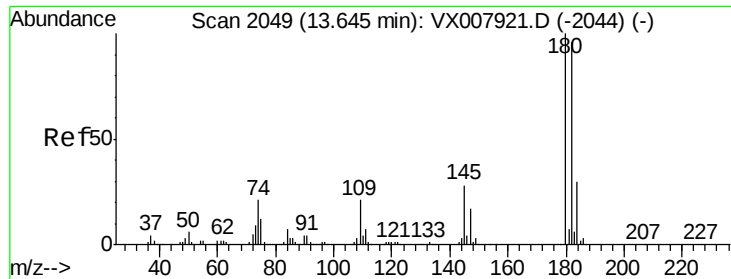
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.426 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14434		
155	109.8	81.0	121.6	
157	138.7	103.2	154.8	





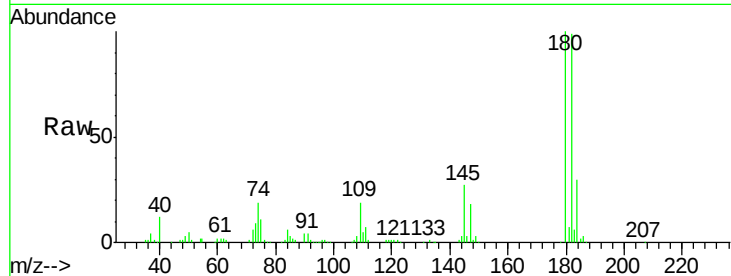
#89
 1,2,4-Trichlorobenzene
 Concen: 17.322 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0315WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	75.6	113.4
145	27.9	23.0	34.6

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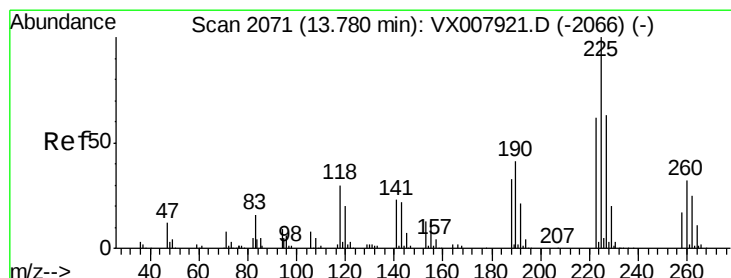
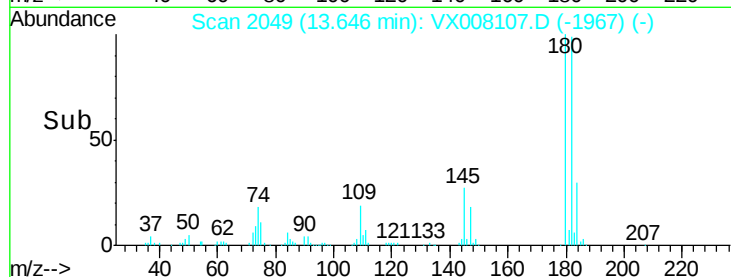
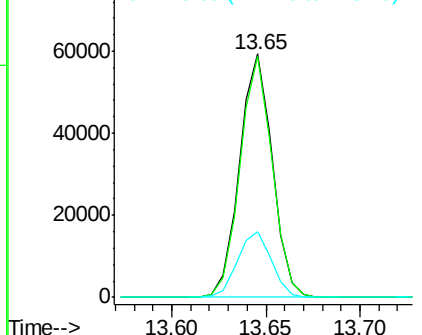


Abundance

Ion 180.00 (179.70 to 180.70): V

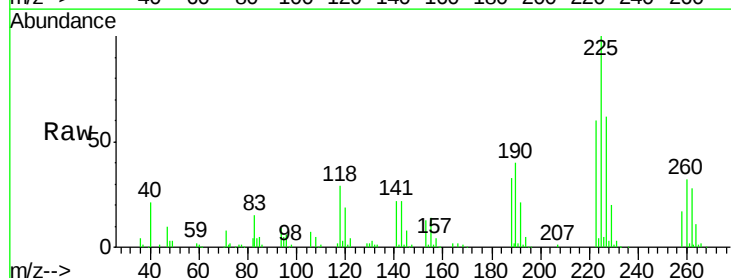
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 17.352 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008107.D
 Acq: 15 Mar 2019 14:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	0.0	123.8
227	63.7	0.0	124.4

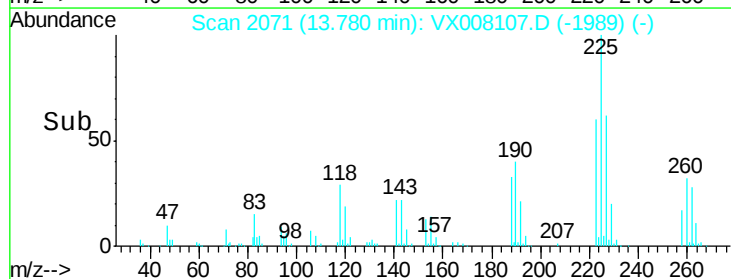
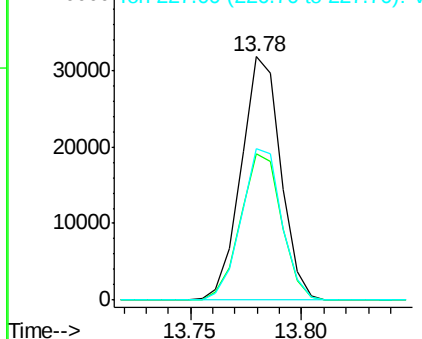


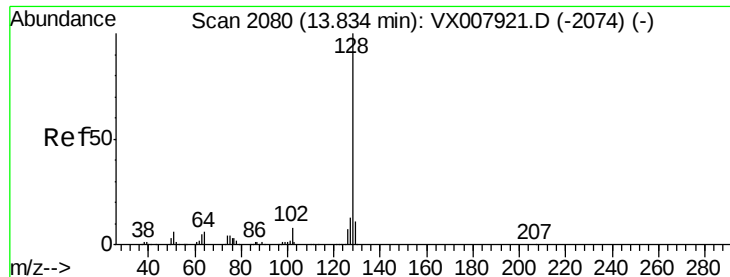
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 17.843 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Instrument :

MSVOA_X

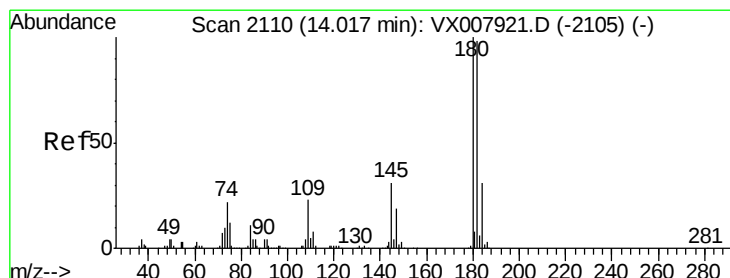
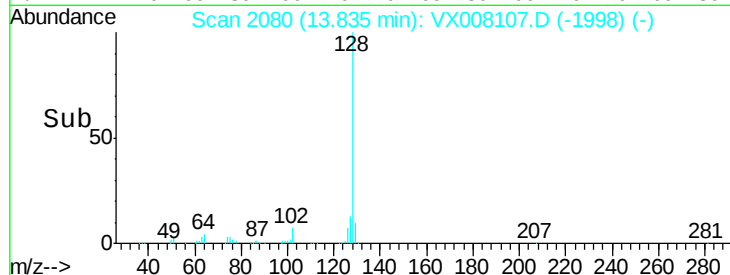
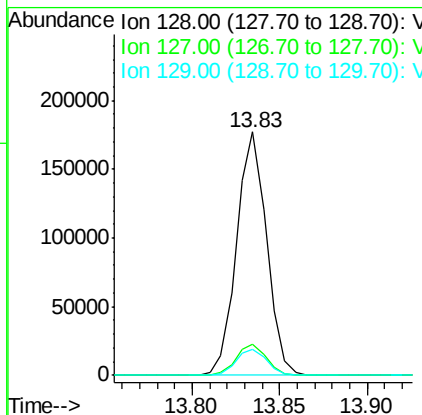
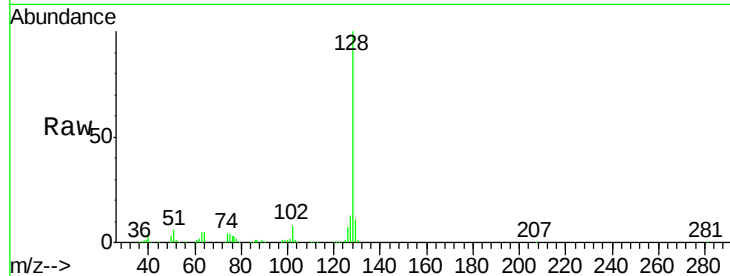
ClientSampleId :

VX0315WBSD01

Tot Ion:	128	Resp:	211128
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	11.0	8.9	13.3

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#92

1,2,3-Trichlorobenzene

Concen: 17.631 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008107.D

Acq: 15 Mar 2019 14:56

Tgt Ion:	180	Resp:	72337
Ion Ratio	Lower	Upper	
180	100		
182	97.5	0.0	193.0
145	30.2	0.0	63.0

