

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009306.D
 Acq On : 03 May 2019 12:43
 Operator : JC/SP
 Sample : VX0503WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0503WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 9:28:39 AM

Quant Time: May 04 03:28:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	30098	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	174162	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	153846	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	74155	29.70	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.00%
60) 4-Bromofluorobenzene	11.13	95	76861	29.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.00%
63) Toluene-d8	8.71	98	219822	30.14	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	31204	19.511	ug/l 99
3) Chloromethane	1.32	50	43975	20.456	ug/l 99
4) Vinyl Chloride	1.41	62	43296	20.189	ug/l 98
5) Bromomethane	1.64	94	24767	18.219	ug/l 98
6) Chloroethane	1.72	64	27461	19.525	ug/l 99
7) Trichlorofluoromethane	1.93	101	54096	20.428	ug/l 99
8) Diethyl Ether	2.19	74	24932	20.276	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	33715	20.563	ug/l 98
10) 1,1-Dichloroethene	2.37	96	33092	20.101	ug/l 97
11) Methyl Iodide	2.51	142	35673	19.933	ug/l 99
12) Methyl Acetate	2.77	43	61477	19.826	ug/l 98
13) Acrolein	2.29	56	40505	95.240	ug/l 99
14) Acrylonitrile	3.14	53	136856	101.699	ug/l 99
15) Acetone	2.44	58	38442	99.496	ug/l 97
16) Carbon Disulfide	2.57	76	86443	19.407	ug/l 99
17) Allyl chloride	2.73	41	77607	19.636	ug/l 98
18) Methylene Chloride	2.85	84	40954	20.584	ug/l 97
19) trans-1,2-Dichloroethene	3.17	96	34986	19.932	ug/l 96
20) Diisopropyl ether	3.85	45	156899	20.159	ug/l 99
21) 1,1-Dichloroethane	3.70	63	75900	20.151	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	42218	19.968	ug/l 98
23) tert-Butyl Alcohol	3.04	59	55869	98.185	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	129599	20.116	ug/l 99
25) Chloroform	5.21	83	69985	20.361	ug/l 99
26) Cyclohexane	5.58	56	70943	20.209	ug/l # 99
29) 1,1-Dichloropropene	5.80	75	51831	20.282	ug/l 99
30) 2-Butanone	4.67	43	205578	102.719	ug/l 100
31) 2,2-Dichloropropane	4.59	77	54108	19.206	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	56937	20.552	ug/l 98
33) Carbon Tetrachloride	5.78	117	46957	20.258	ug/l 97
34) Benzene	6.15	78	161759	20.531	ug/l 100
35) Methacrylonitrile	5.04	41	43811	20.923	ug/l 95
36) 1,2-Dichloroethane	6.20	62	59731	20.894	ug/l 100
37) Trichloroethene	7.21	130	38101	20.089	ug/l 93
38) Methylcyclohexane	7.46	83	62589	19.824	ug/l 100
39) 1,2-Dichloropropane	7.51	63	46504	20.727	ug/l 99
40) Dibromomethane	7.66	93	26234	20.602	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	52966	20.363	ug/l	97
42) Vinyl Acetate	3.81	43	691068	104.622	ug/l	100
43) Ethyl Acetate	4.83	43	76991	21.289	ug/l	99
44) Isopropyl Acetate	6.45	43	118050	20.150	ug/l	99
45) 1,4-Dioxane	7.74	88	23249	404.197	ug/l	97
46) Methyl methacrylate	7.77	41	58271	19.928	ug/l	97
47) n-amyl Acetate	10.90	43	104259	19.755	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	58930	19.417	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	66303	19.900	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	41038	21.035	ug/l	96
51) Ethyl methacrylate	9.18	69	71962	19.960	ug/l	98
52) 1,3-Dichloropropane	9.37	76	71110	20.537	ug/l	99
53) Dibromochloromethane	9.58	129	39653	20.408	ug/l	99
54) 1,2-Dibromoethane	9.67	107	40944	20.463	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	200735	104.487	ug/l	99
56) Bromoform	10.85	173	28878	19.362	ug/l #	98
58) 4-Methyl-2-Pentanone	8.64	43	393411	103.997	ug/l	99
59) 2-Hexanone	9.49	43	303788	102.386	ug/l	100
61) Tetrachloroethene	9.34	164	35324	20.828	ug/l	97
62) Toluene	8.78	91	172517	20.985	ug/l	99
64) Chlorobenzene	10.13	112	101345	20.484	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	36674	20.244	ug/l	99
66) Ethyl Benzene	10.25	91	187272	20.449	ug/l	97
67) m/p-Xylenes	10.36	106	135858	40.631	ug/l	100
68) o-Xylene	10.69	106	67603	20.562	ug/l	98
69) Styrene	10.71	104	116698	20.219	ug/l	99
70) Isopropylbenzene	11.02	105	180129	20.372	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	66596	20.565	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	58668m	21.024	ug/l	
73) Bromobenzene	11.26	156	44239	20.250	ug/l	99
74) n-propylbenzene	11.36	91	204565	19.964	ug/l	100
75) 2-Chlorotoluene	11.42	91	125805	20.470	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	151982	20.291	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	20539	18.246	ug/l	98
78) 4-Chlorotoluene	11.51	91	140933	20.190	ug/l	99
79) tert-butylbenzene	11.77	119	146624	20.250	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	151635	20.199	ug/l	100
81) sec-Butylbenzene	11.94	105	172438	20.045	ug/l	100
82) p-Isopropyltoluene	12.06	119	155065	19.816	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	76930	19.718	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	76349	19.642	ug/l	99
85) n-Butylbenzene	12.38	91	136384	19.047	ug/l	99
86) Hexachloroethane	12.59	117	25267	18.975	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	79167	20.158	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	14850	19.734	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	53798	19.219	ug/l	100
90) Hexachlorobutadiene	13.78	225	26988	19.301	ug/l	100
91) Naphthalene	13.83	128	187887	20.500	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	57560	20.228	ug/l	98

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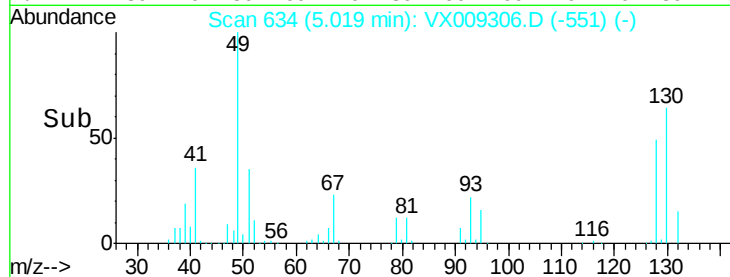
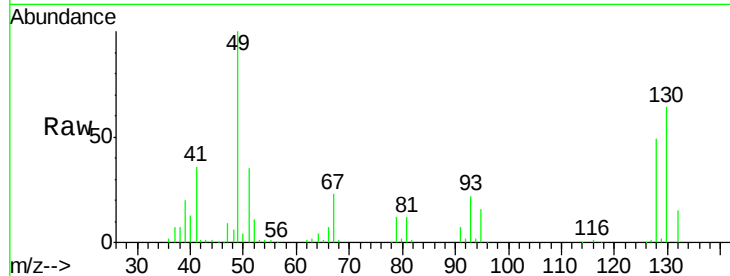
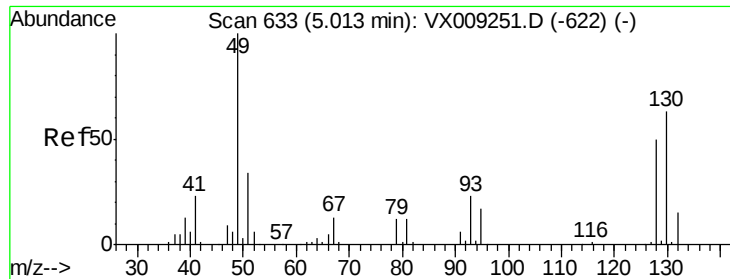
Manual Integrations
APPROVED

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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. 0.01 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Tot Ion:	128	Resp:	30098
Ion	Ratio	Lower	Upper
128	100		
49	202.1	0.0	515.0
130	129.6	0.0	323.3

Instrument :

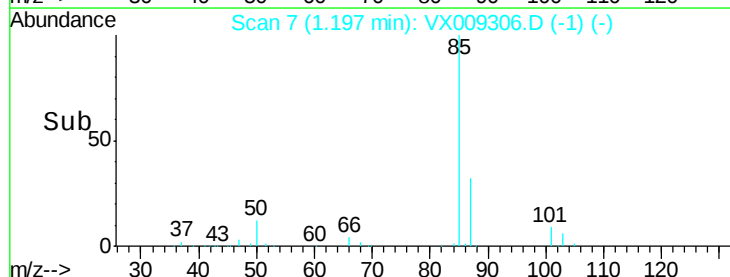
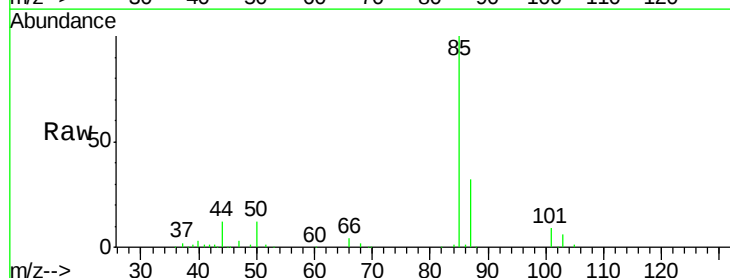
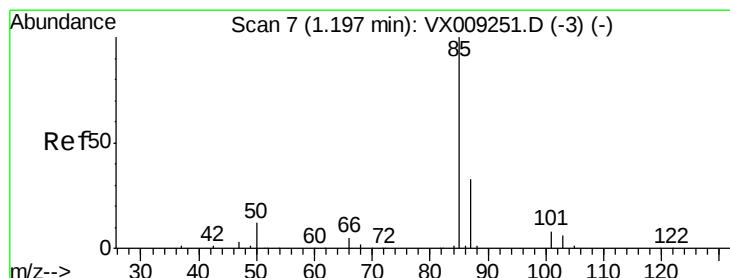
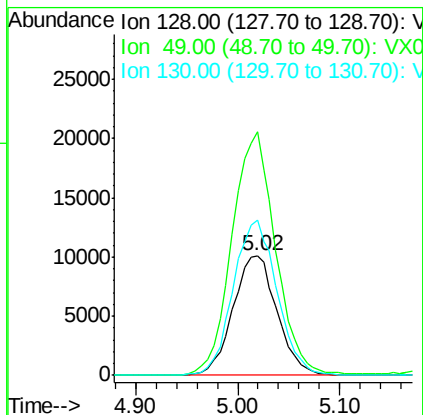
MSVOA_X

ClientSampled :

VX0503WBSD01

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 19.511 ug/l

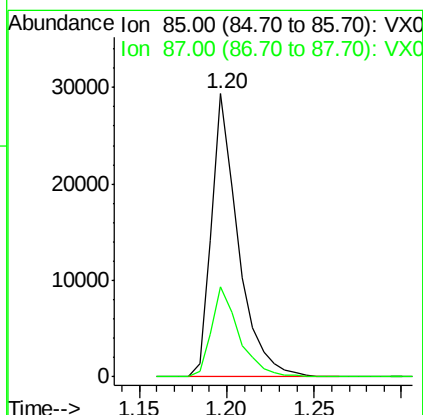
RT: 1.20 min Scan# 7

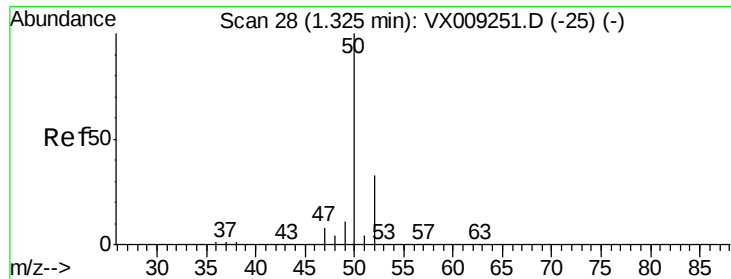
Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Tgt Ion:	85	Resp:	31204
Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.3	48.9





#3

Chloromethane

Concen: 20.456 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion: 50 Resp: 43975

Ion Ratio Lower Upper

50 100

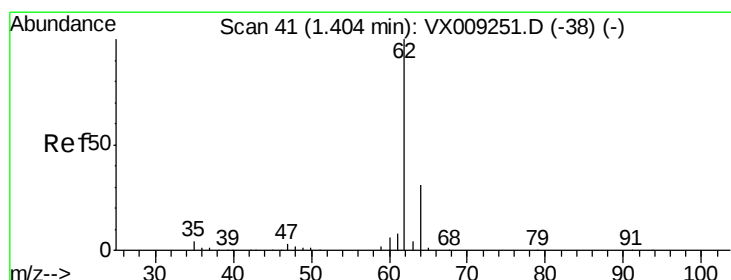
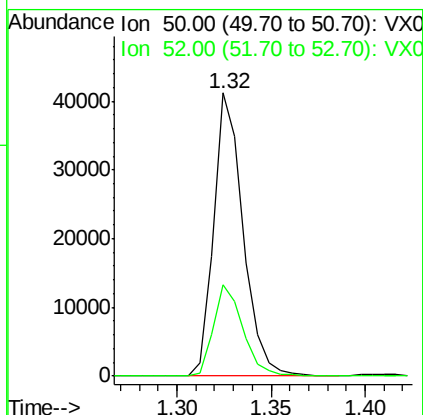
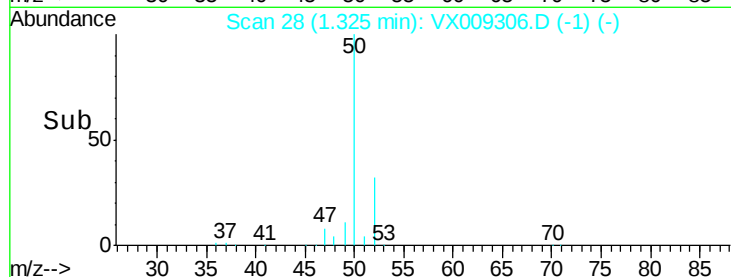
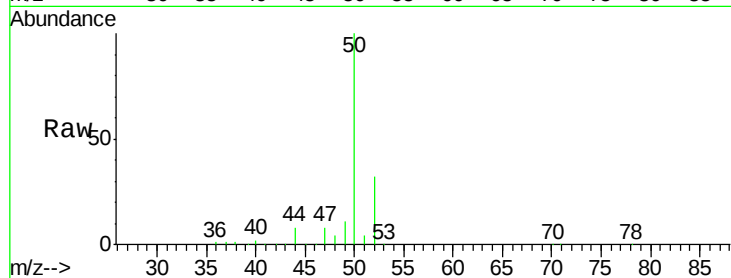
52 32.2 26.3 39.5

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#4

Vinyl Chloride

Concen: 20.189 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009306.D

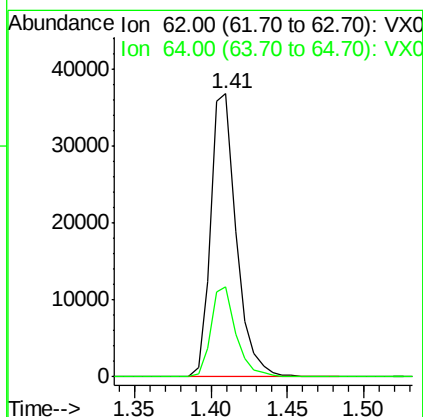
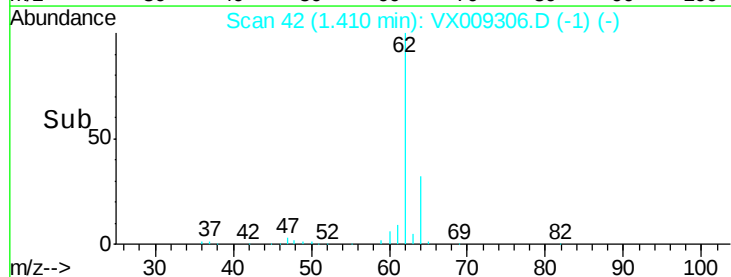
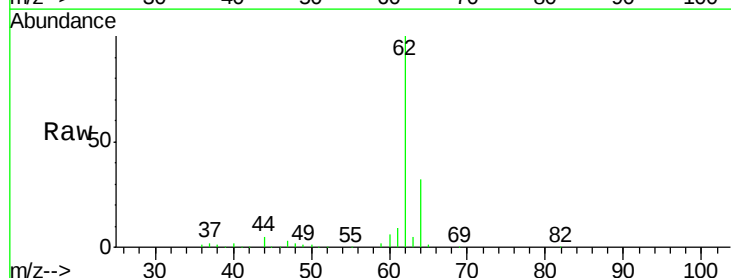
Acq: 03 May 2019 12:43

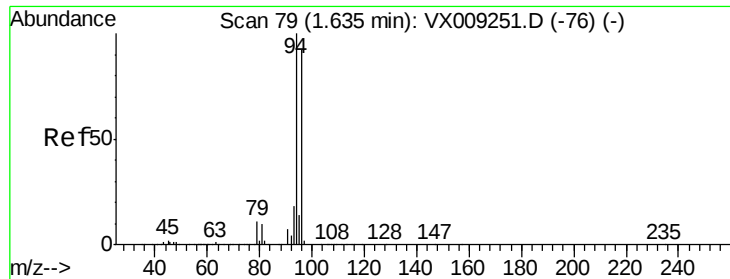
Tgt Ion: 62 Resp: 43296

Ion Ratio Lower Upper

62 100

64 31.7 24.6 36.8





#5

Bromomethane

Concen: 18.219 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion: 94 Resp: 24767

Ion Ratio Lower Upper

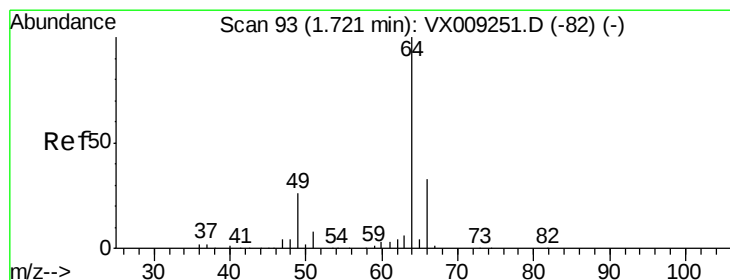
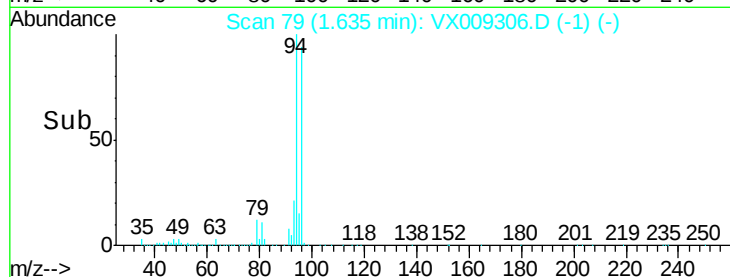
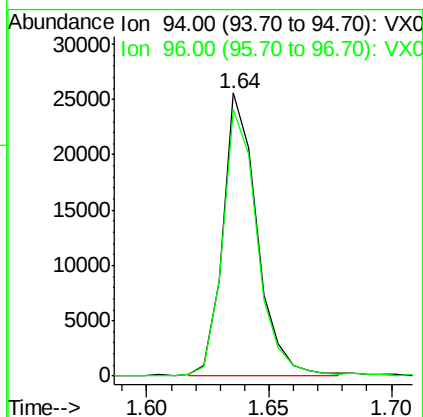
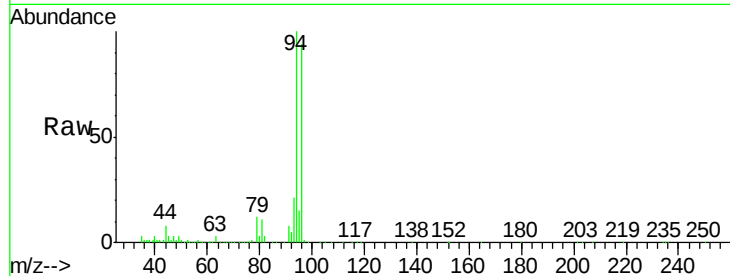
94 100

96 94.2 73.5 110.3

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#6

Chloroethane

Concen: 19.525 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX009306.D

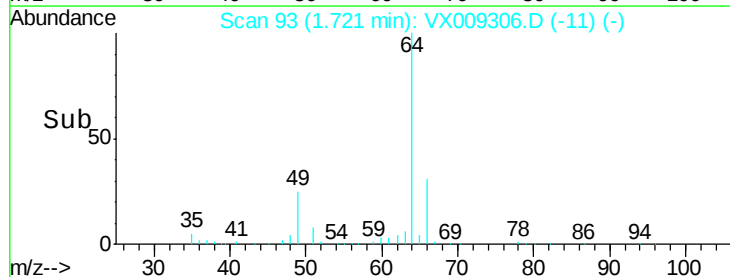
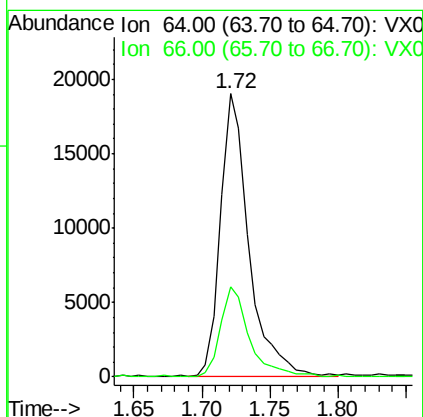
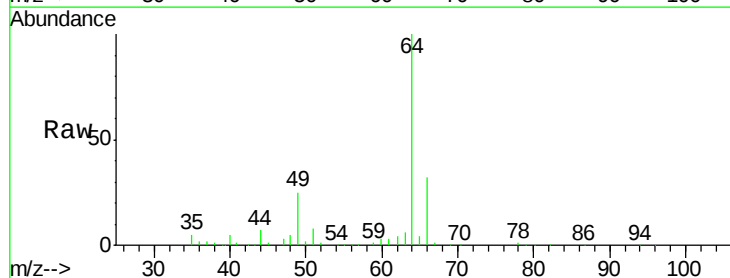
Acq: 03 May 2019 12:43

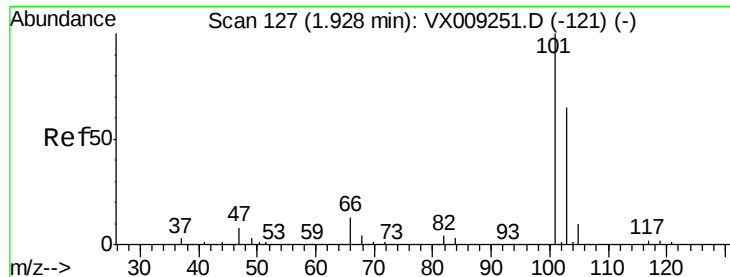
Tgt Ion: 64 Resp: 27461

Ion Ratio Lower Upper

64 100

66 31.9 25.9 38.9





#7

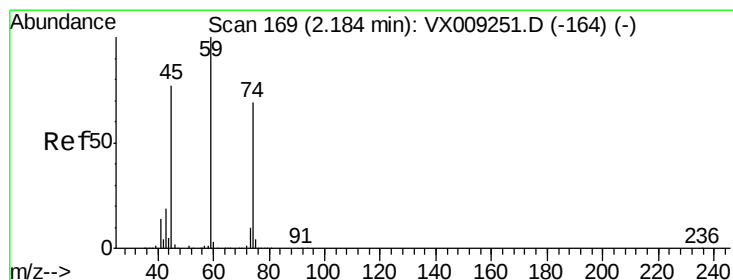
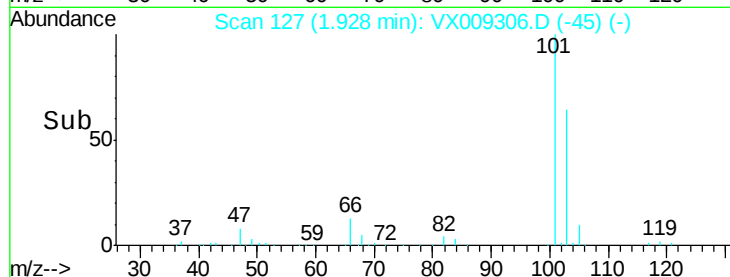
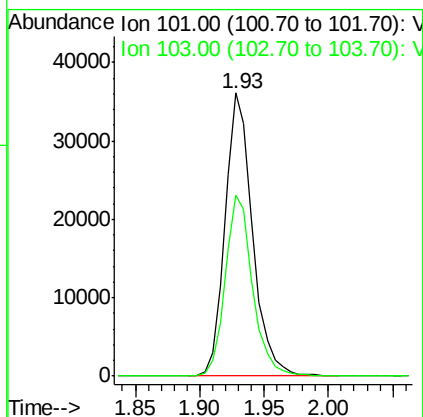
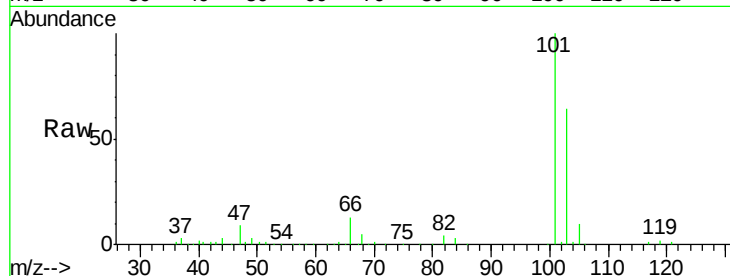
Trichlorofluoromethane
 Concen: 20.428 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX009306.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		54096		
103	64.0		51.9	77.9	

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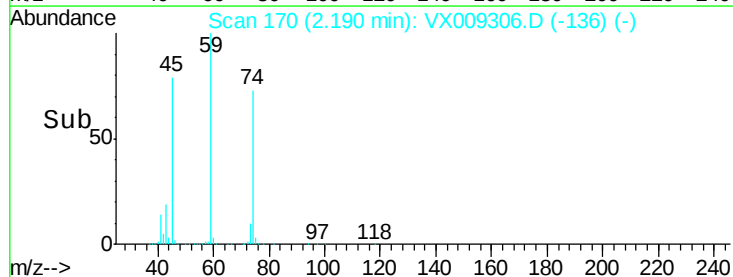
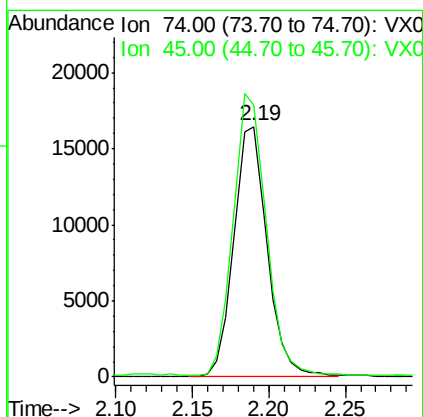
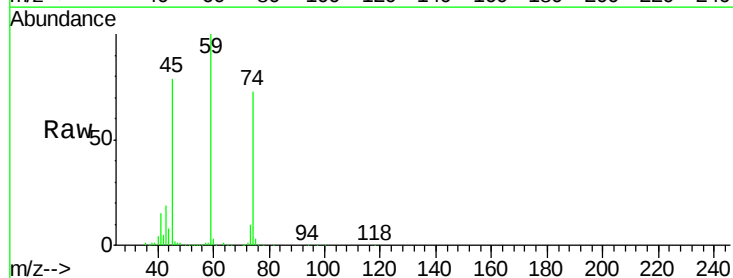
MMDadoda
 5/6/2019 9:28:39 AM

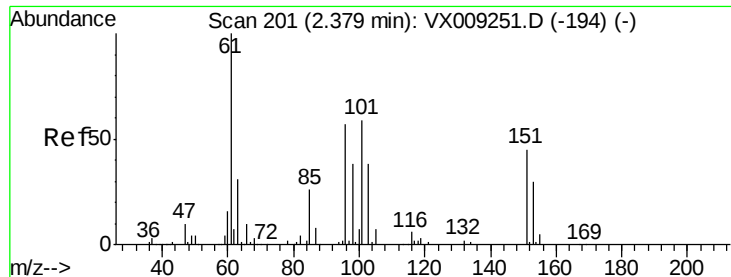


#8

Diethyl Ether
 Concen: 20.276 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		24932		
45	111.3		21.5	193.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.563 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

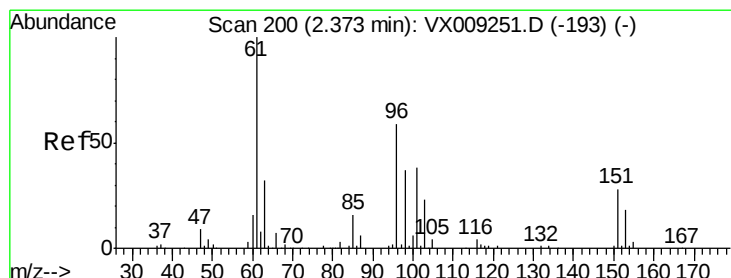
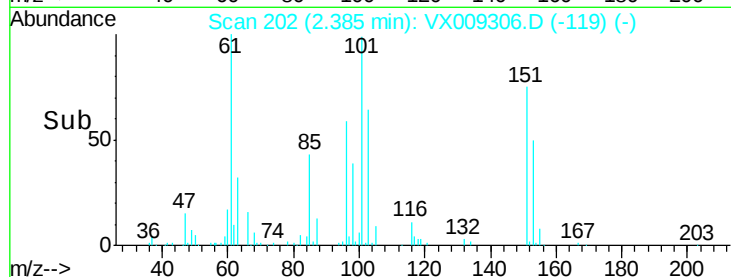
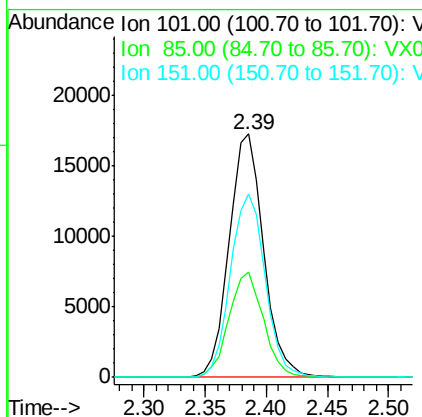
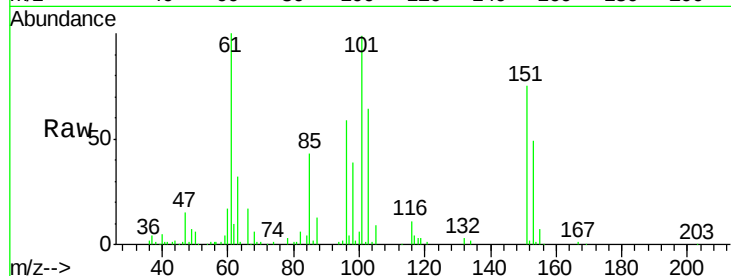
ClientSampleId :

VX0503WBSD01

Tot Ion:	101	Resp:	33715
Ion Ratio	Lower	Upper	
101	100		
85	43.4	0.0	87.4
151	76.1	0.0	157.0

Manual Integrations
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5/6/2019 9:28:39 AM



#10

1,1-Dichloroethene

Concen: 20.101 ug/l

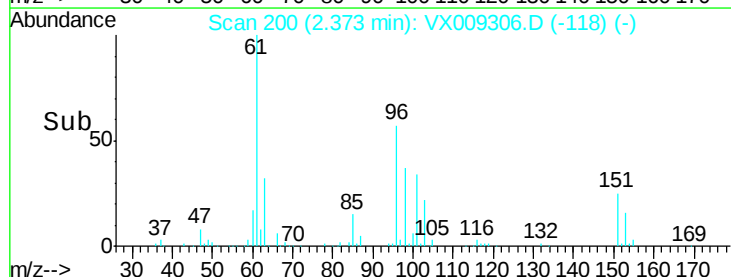
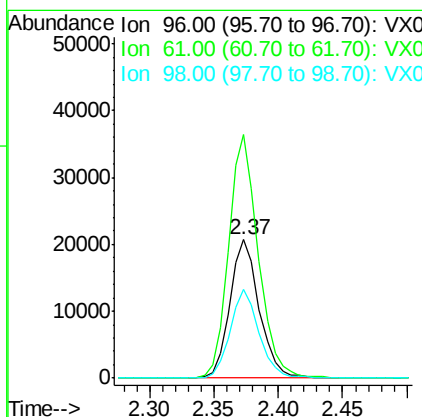
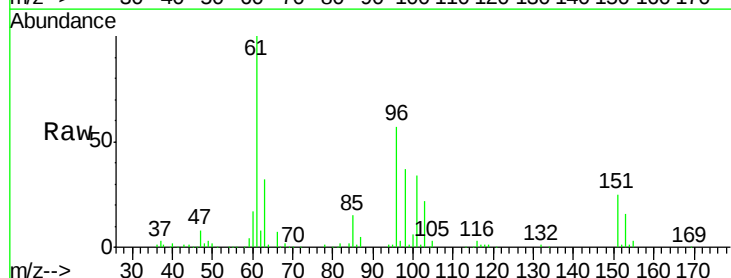
RT: 2.37 min Scan# 200

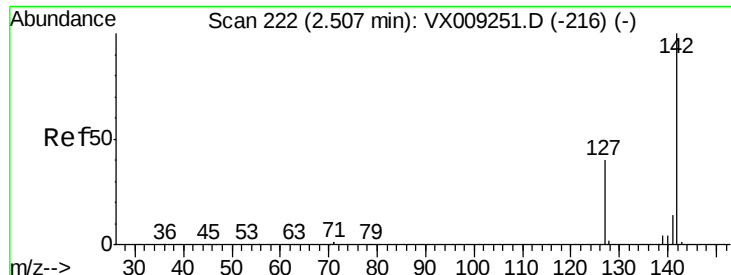
Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Tgt Ion:	96	Resp:	33092
Ion Ratio	Lower	Upper	
96	100		
61	175.4	136.5	204.7
98	64.2	51.0	76.4





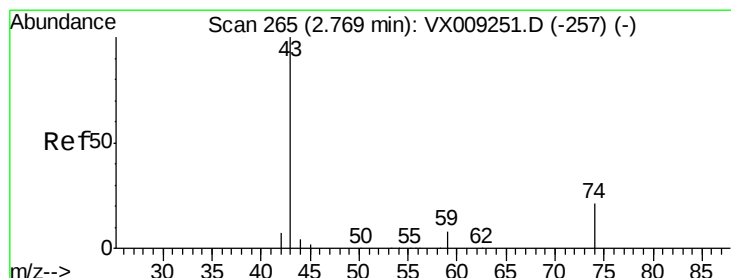
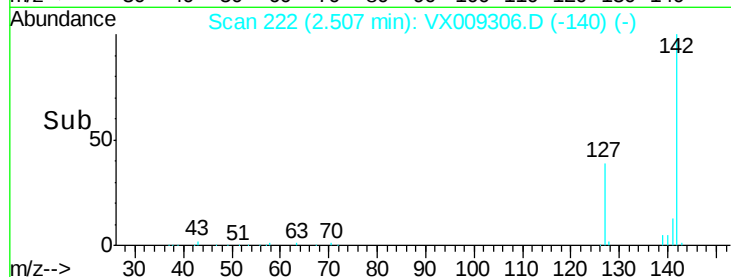
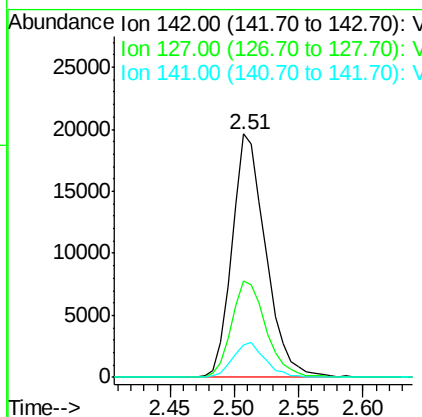
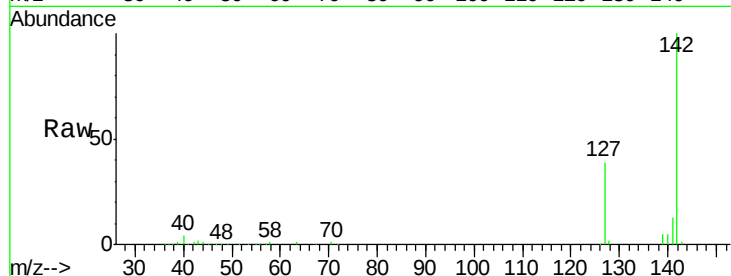
#11
Methyl Iodide
Concen: 19.933 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Instrument :
MSVOA_X
ClientSampled :
VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.4	20.2	60.5
141	13.2	6.9	20.7

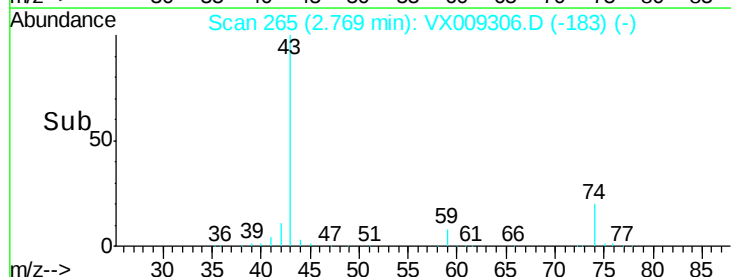
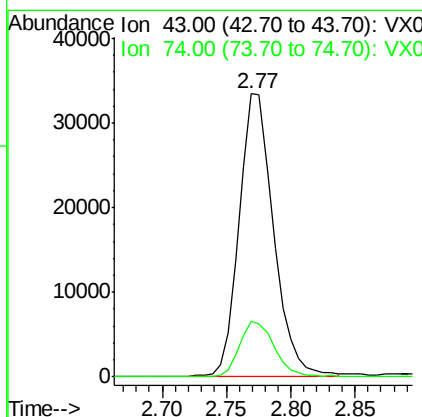
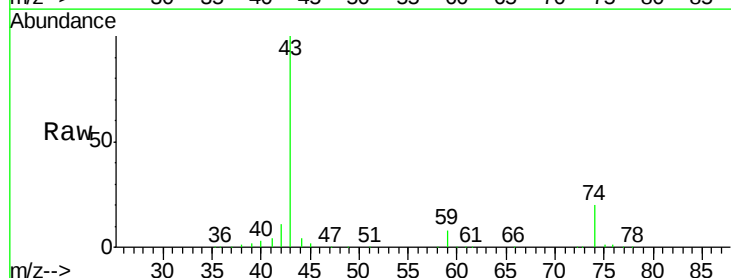
Manual Integrations
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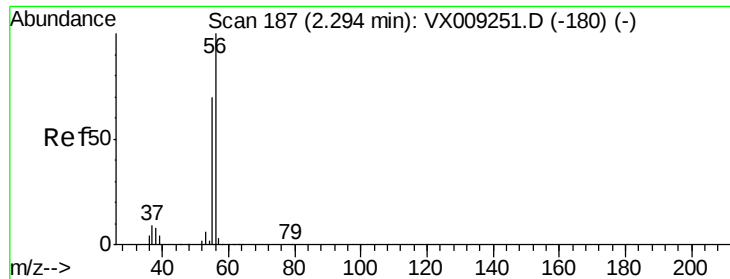
MMDadoda
5/6/2019 9:28:39 AM



#12
Methyl Acetate
Concen: 19.826 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	16.5	24.7





#13

Acrolein

Concen: 95.240 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion: 56 Resp: 40505

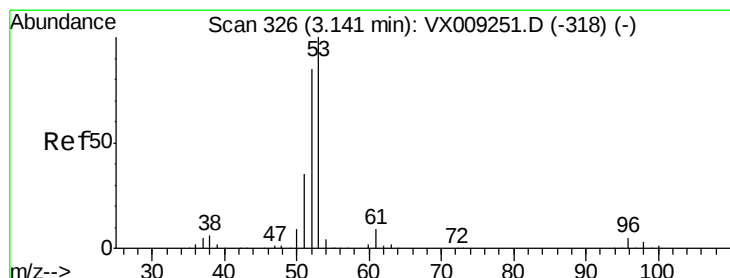
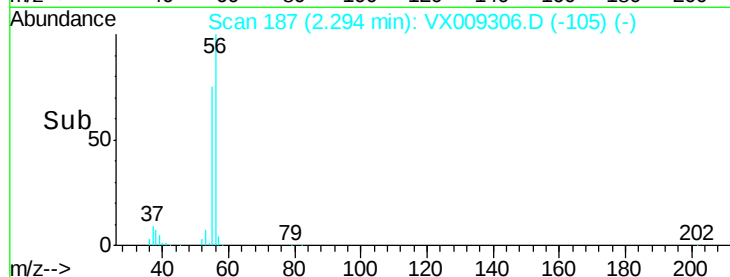
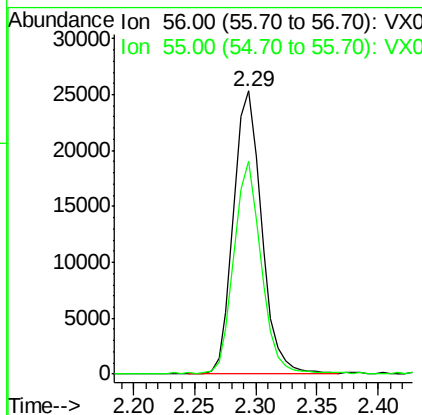
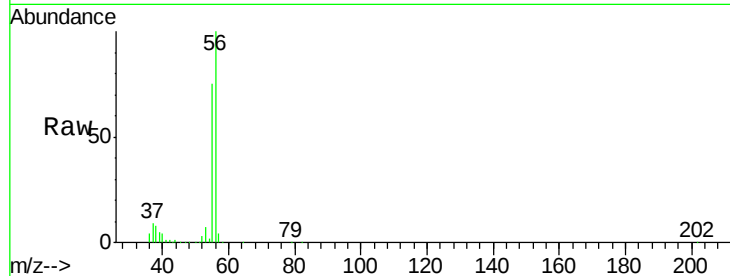
Ion Ratio Lower Upper

56 100

55 72.1 56.9 85.3

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#14

Acrylonitrile

Concen: 101.699 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

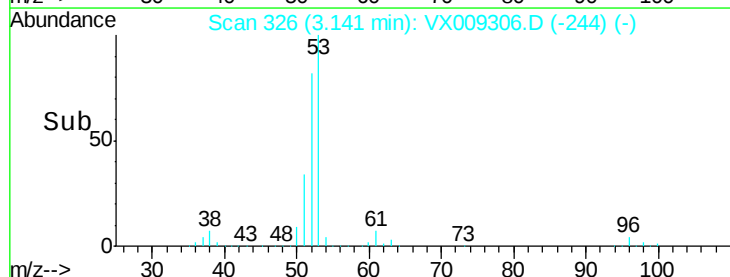
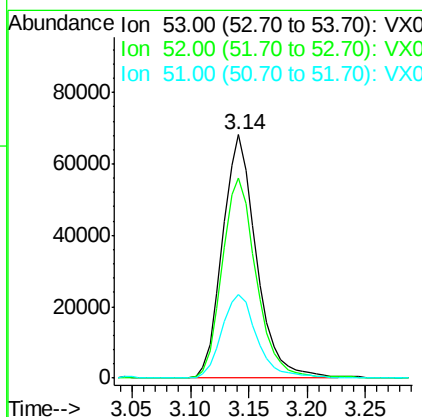
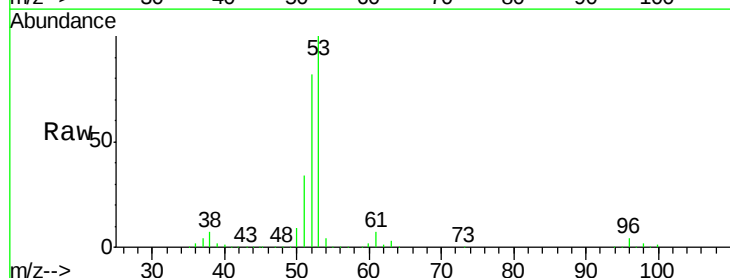
Tgt Ion: 53 Resp: 136856

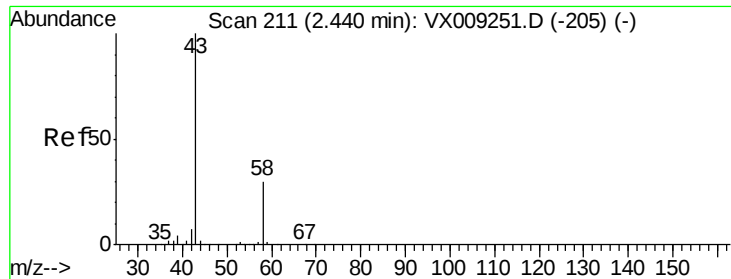
Ion Ratio Lower Upper

53 100

52 82.8 41.5 124.5

51 36.3 17.8 53.3





#15

Acetone

Concen: 99.496 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion: 58 Resp: 38442

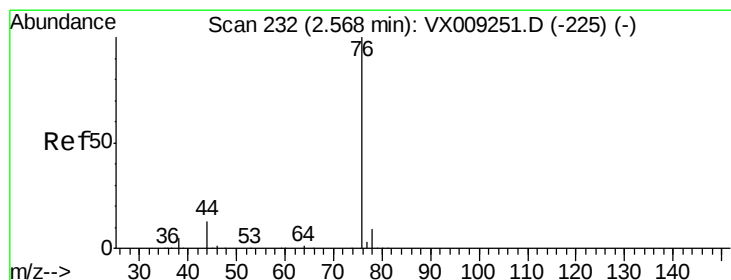
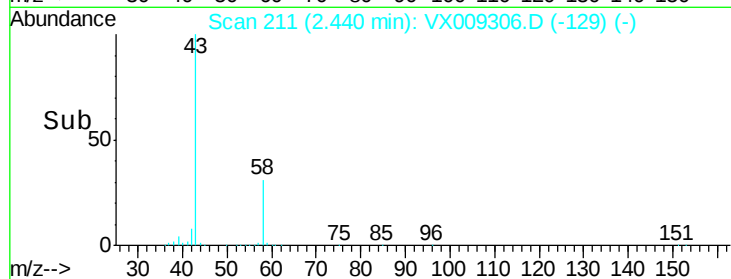
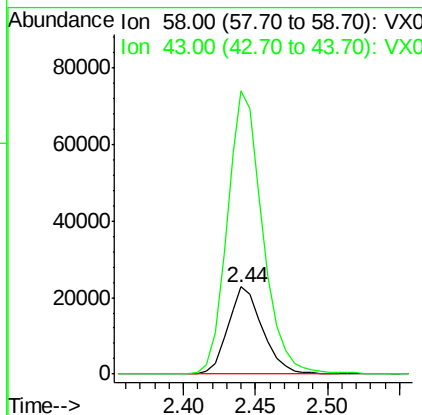
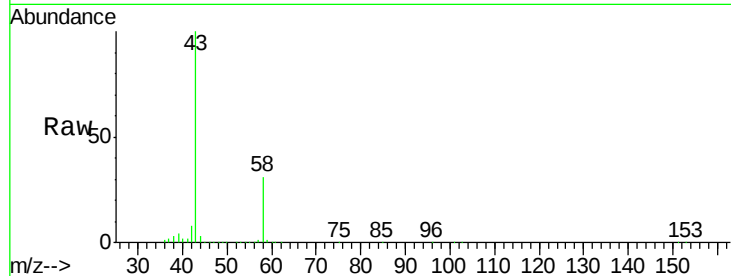
Ion Ratio Lower Upper

58 100

43 324.5 264.0 396.0

Manual Integrations
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#16

Carbon Disulfide

Concen: 19.407 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009306.D

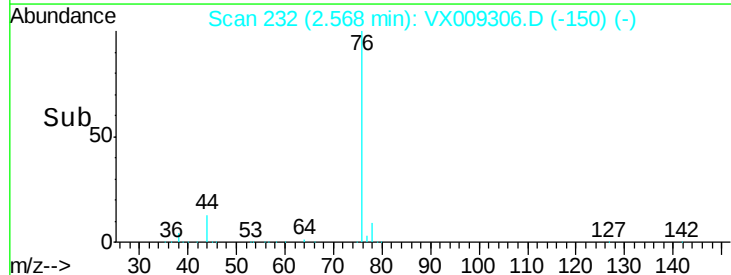
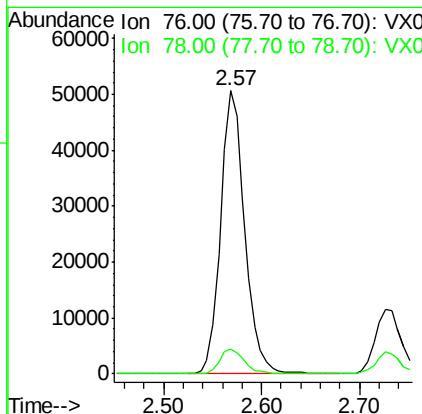
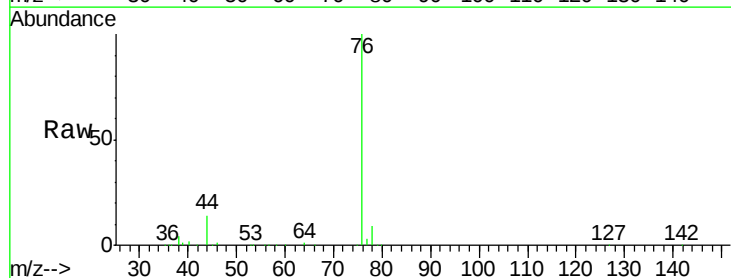
Acq: 03 May 2019 12:43

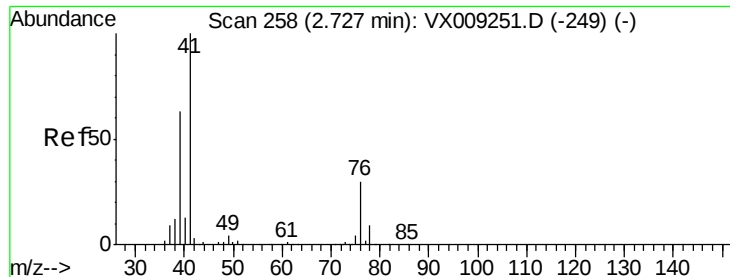
Tgt Ion: 76 Resp: 86443

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2





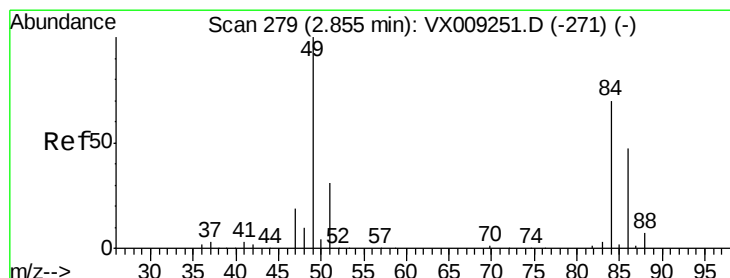
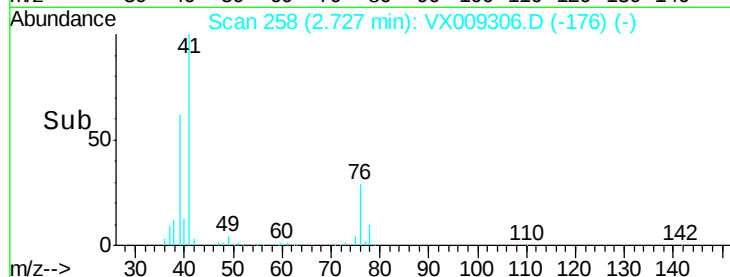
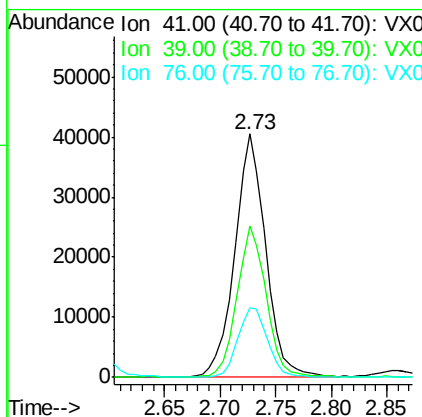
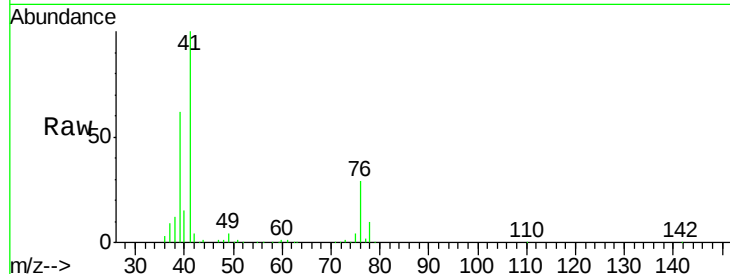
#17
Allvl chloride
Concen: 19.636 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.9	31.6	94.7
76	28.5	15.1	45.3

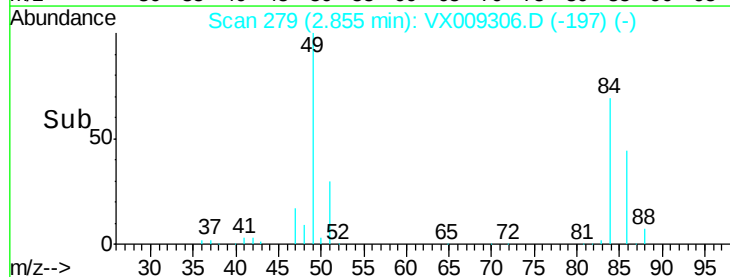
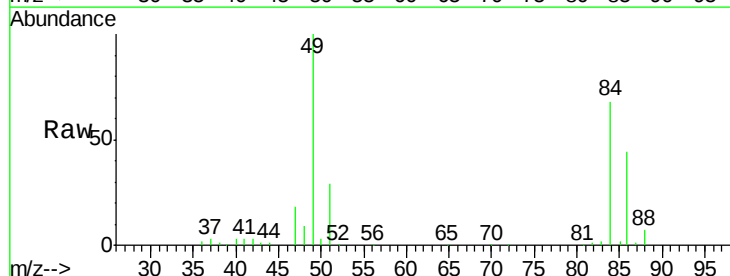
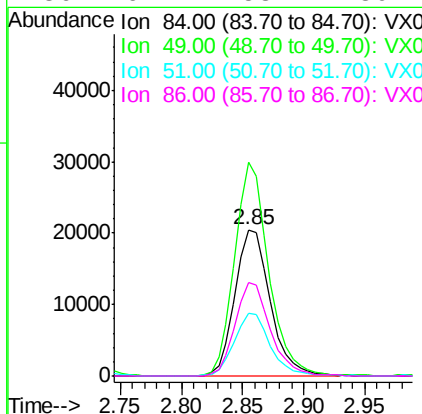
Manual Integrations
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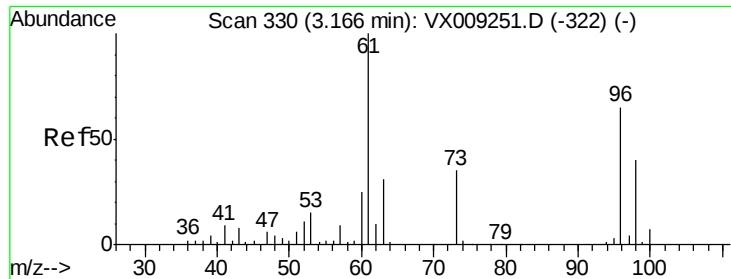
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#18
Methylene Chloride
Concen: 20.584 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.3	114.6	171.8
51	43.1	35.5	53.3
86	64.2	53.4	80.2





#19

trans-1,2-Dichloroethene

Concen: 19.932 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion: 96 Resp: 34986

Ion Ratio Lower Upper

96 100

61 160.1 122.7 184.1

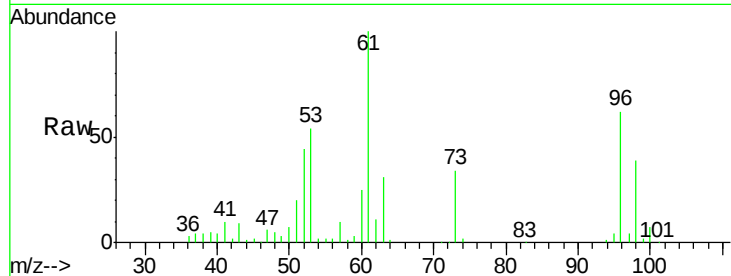
98 62.9 49.5 74.3

Manual Integrations

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MMDadoda

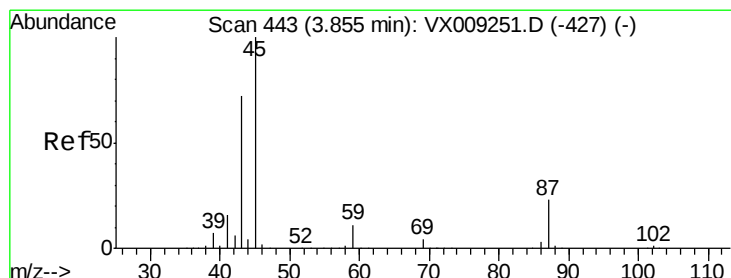
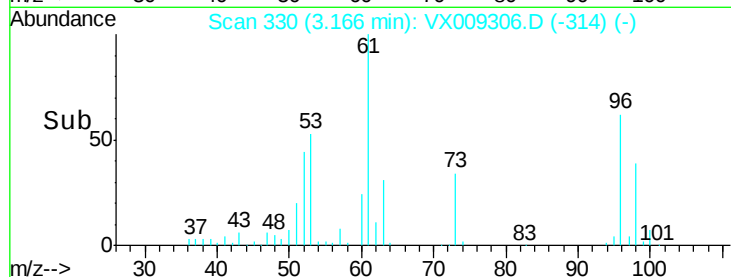
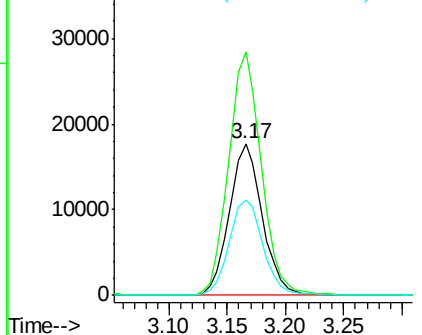
5/6/2019 9:28:39 AM



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 20.159 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Tgt Ion: 45 Resp: 156899

Ion Ratio Lower Upper

45 100

43 73.2 57.7 86.5

87 22.8 18.5 27.7

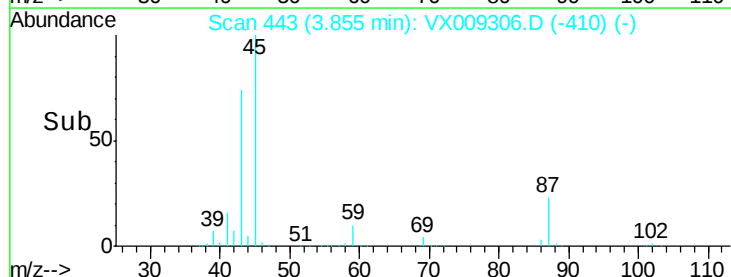
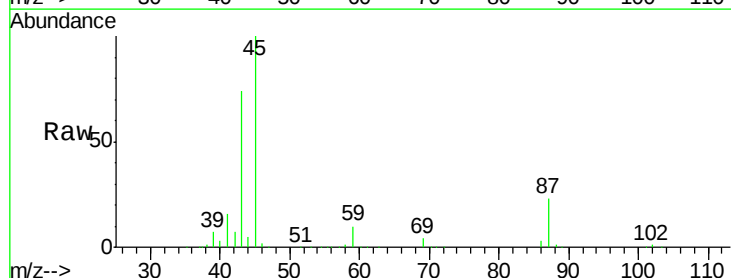
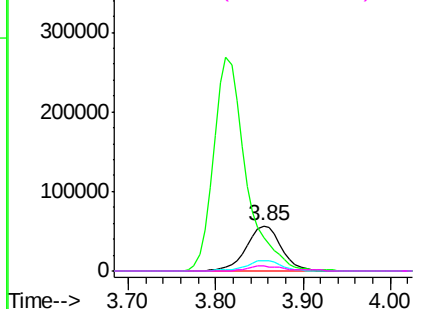
59 10.2 8.8 13.2

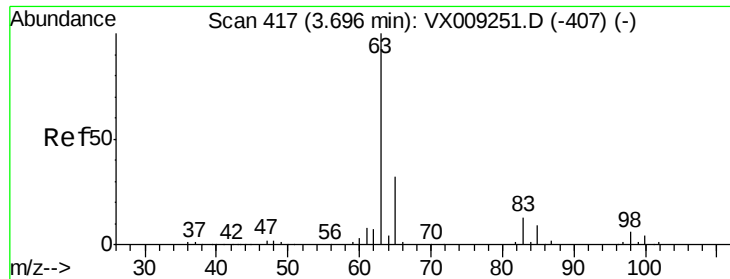
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 20.151 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

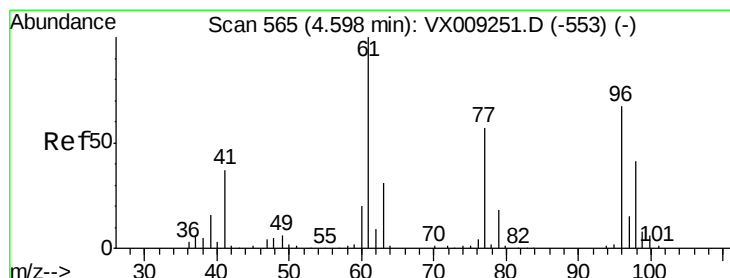
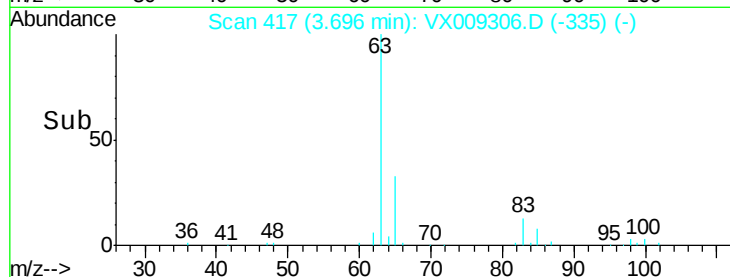
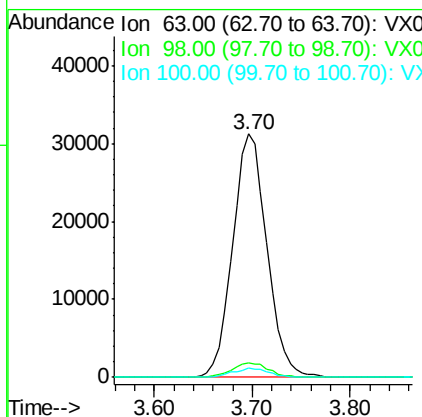
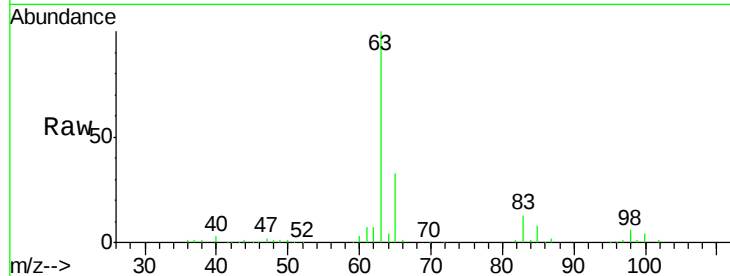
ClientSampleId :

VX0503WBSD01

Tot Ion:	63	Resp:	75900
Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.1	9.3
100	4.1	2.2	6.6

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#22

cis-1,2-Dichloroethene

Concen: 19.968 ug/l

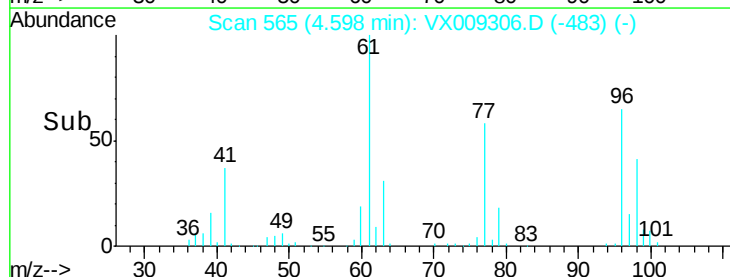
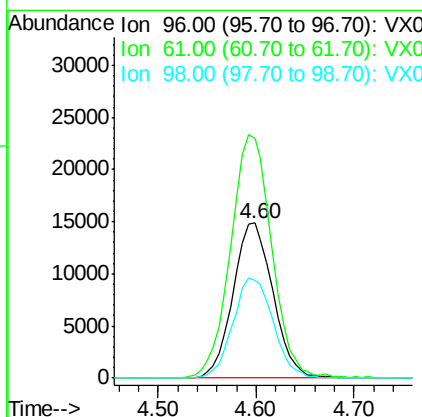
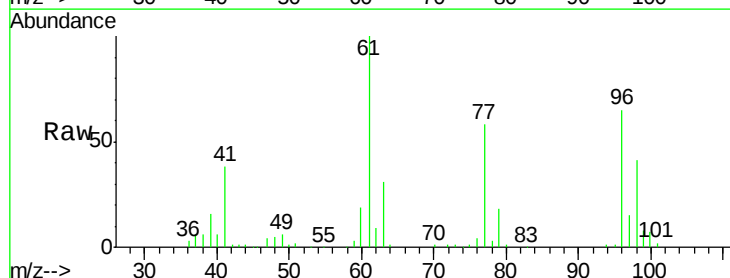
RT: 4.60 min Scan# 565

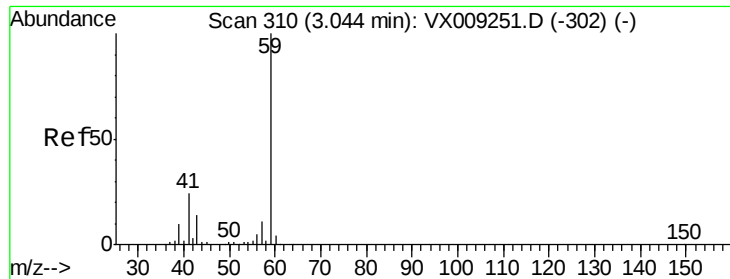
Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Tgt Ion:	96	Resp:	42218
Ion	Ratio	Lower	Upper
96	100		
61	161.0	127.7	191.5
98	65.3	50.5	75.7





#23

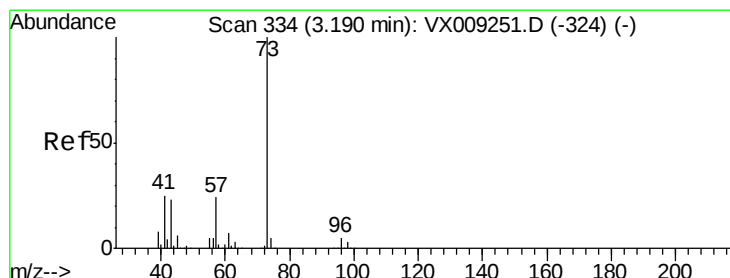
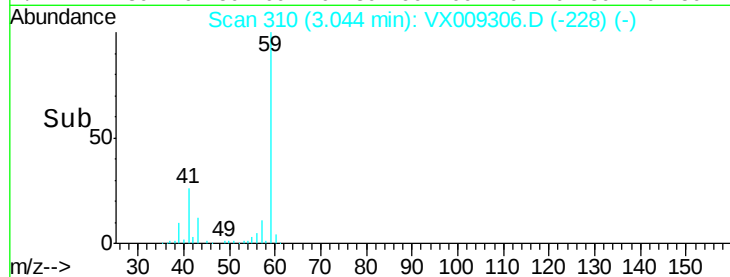
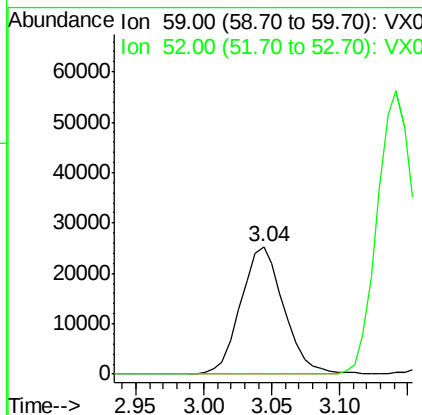
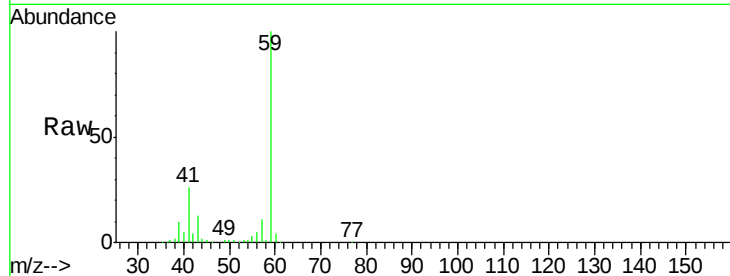
tert-Butyl Alcohol
 Concen: 98.185 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.00 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD01

Tot Ion: 59 Resp: 55869
 Ion Ratio Lower Upper
 59 100
 52 0.4 0.2 0.2#

Manual Integrations
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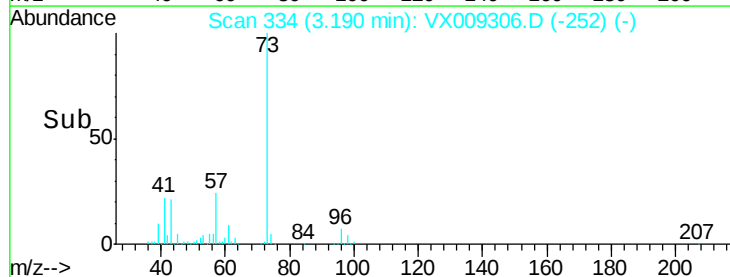
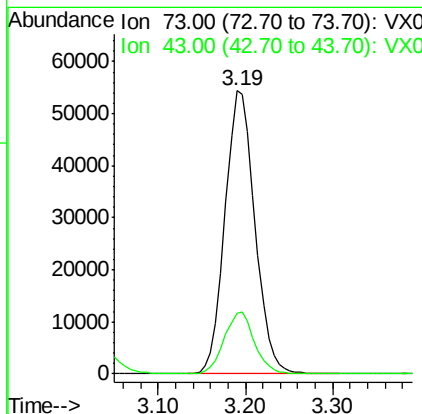
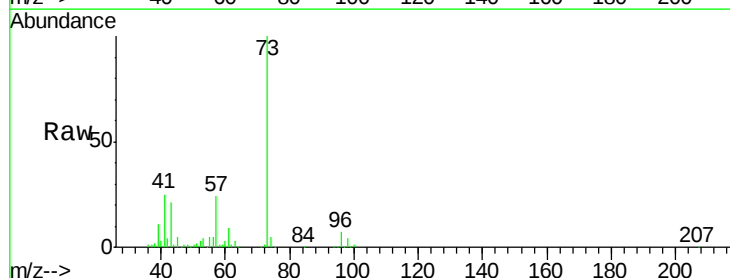
MMDadoda
 5/6/2019 9:28:39 AM

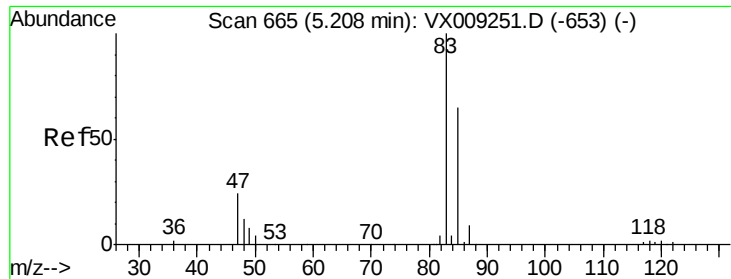


#24

Methyl tert-Butyl Ether
 Concen: 20.116 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Tgt Ion: 73 Resp: 129599
 Ion Ratio Lower Upper
 73 100
 43 21.7 17.6 26.4





#25

Chloroform

Concen: 20.361 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion: 83 Resp: 69985

Ion Ratio Lower Upper

83 100

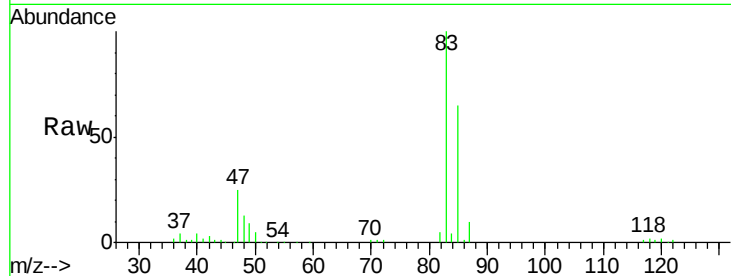
85 65.4 51.9 77.9

Manual Integrations

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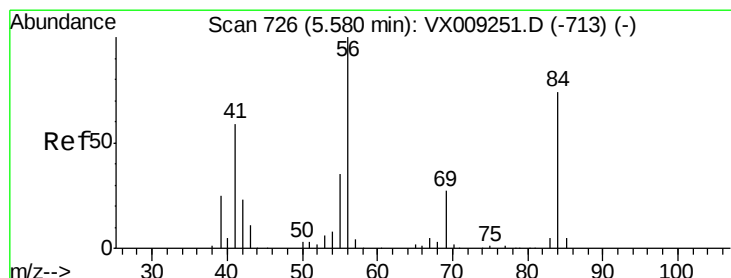
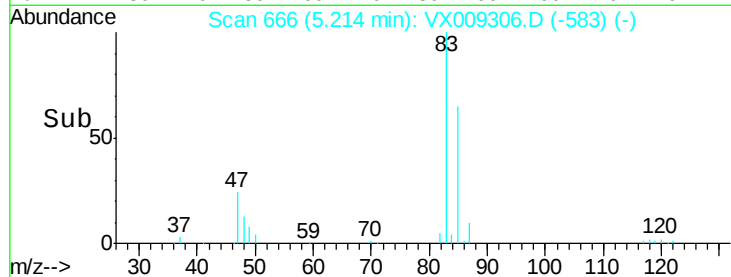
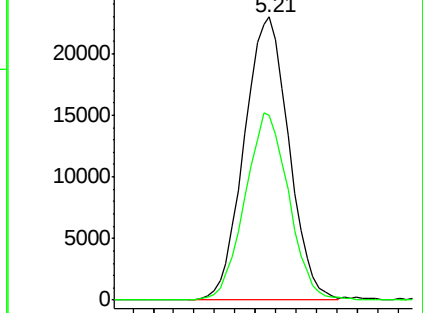
MMDadoda

5/6/2019 9:28:39 AM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 20.209 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

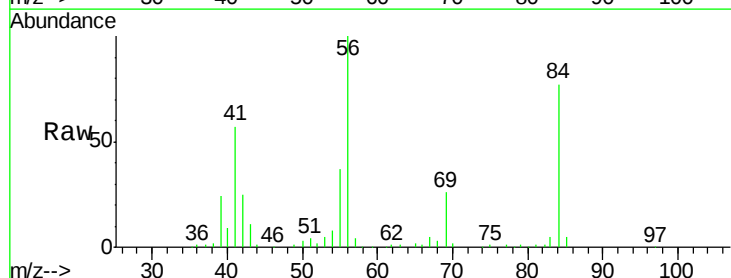
Tgt Ion: 56 Resp: 70943

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

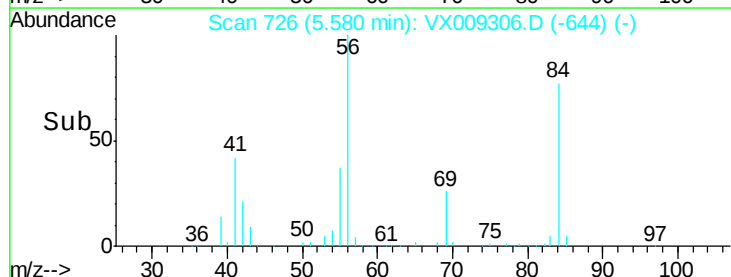
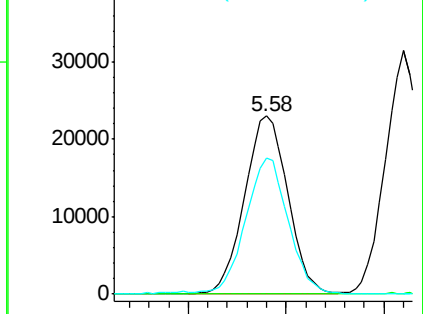
84 73.5 59.7 89.5

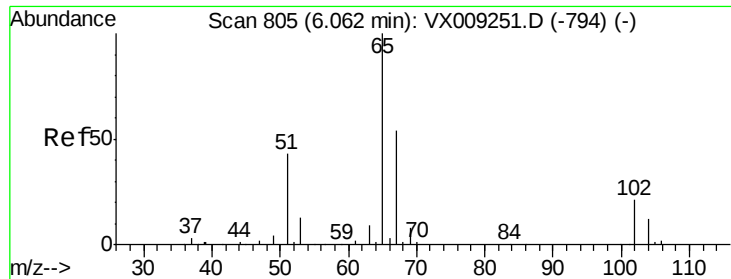


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.700 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Tot Ion: 65 Resp: 74155

Ion Ratio Lower Upper

65 100

67 53.4 43.1 64.7

Instrument :

MSVOA_X

ClientSampleId :

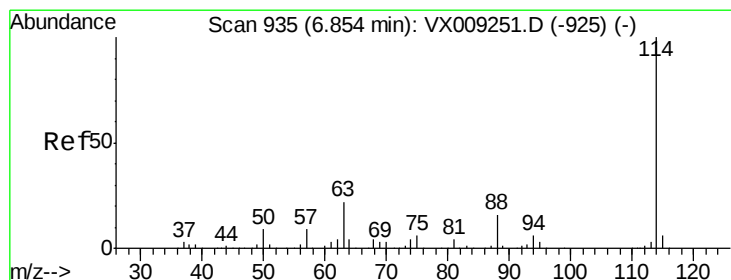
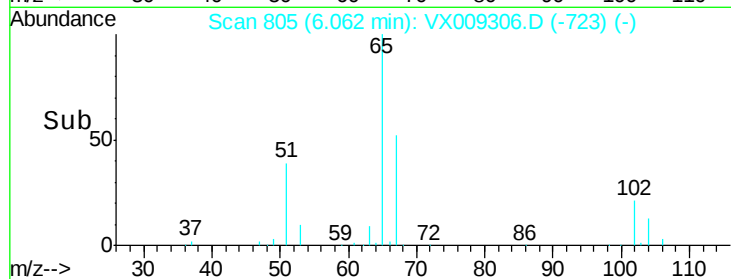
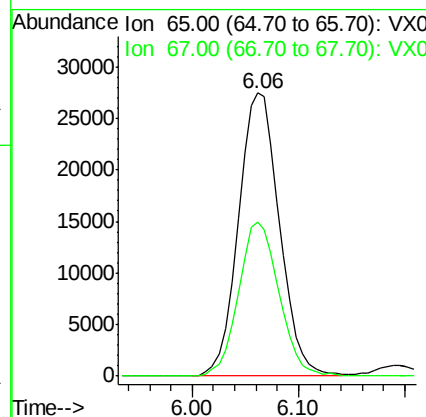
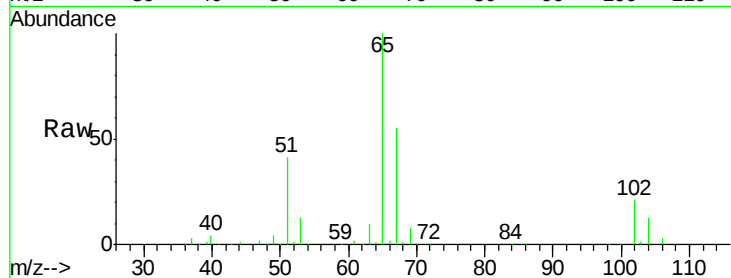
VX0503WBSD01

Manual Integrations

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MMDadoda

5/6/2019 9:28:39 AM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.01 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

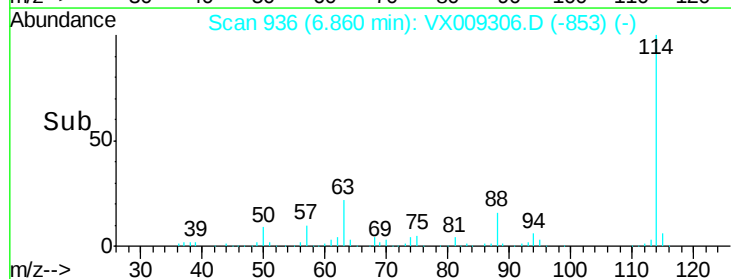
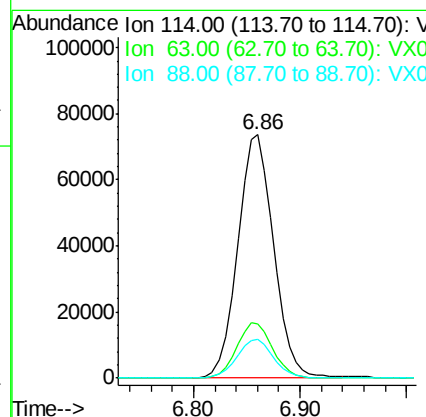
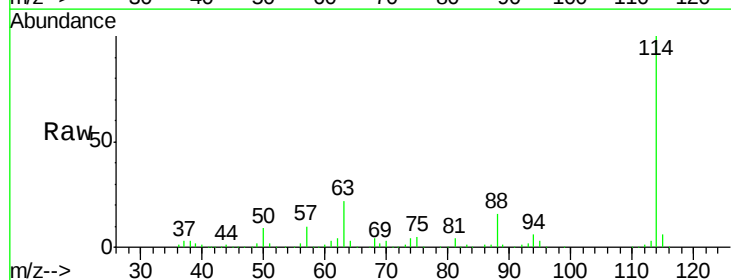
Tgt Ion: 114 Resp: 174162

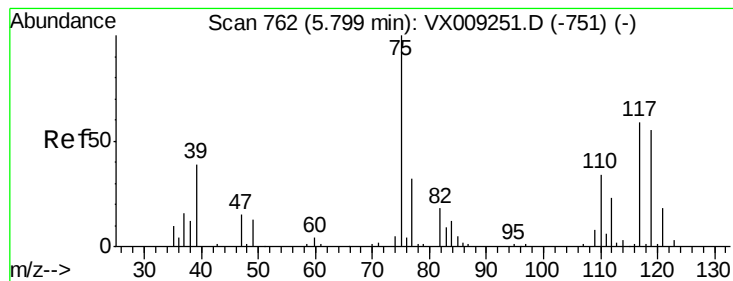
Ion Ratio Lower Upper

114 100

63 22.8 18.0 27.0

88 16.4 13.4 20.0





#29

1,1-Dichloropropene

Concen: 20.282 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

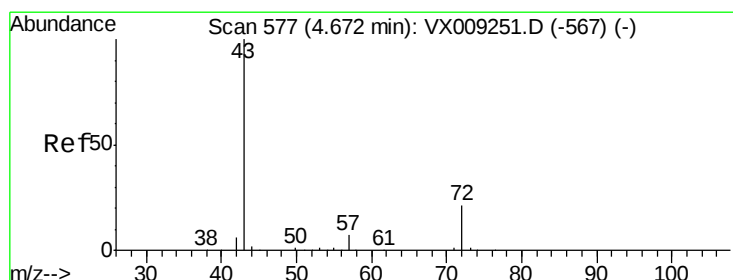
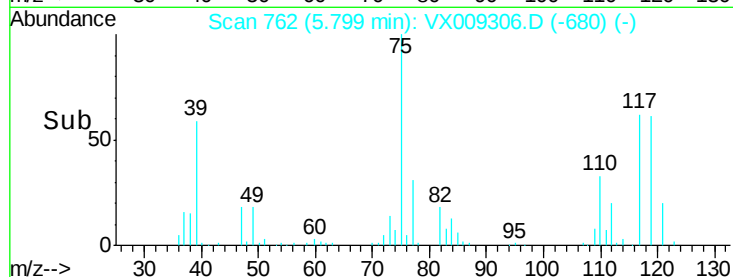
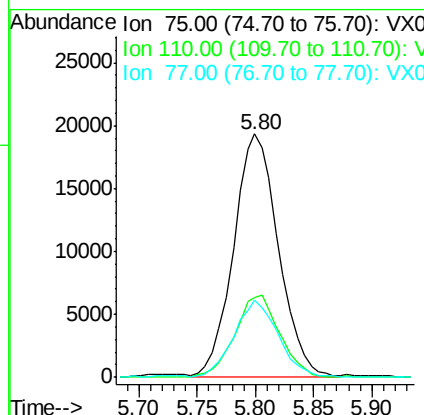
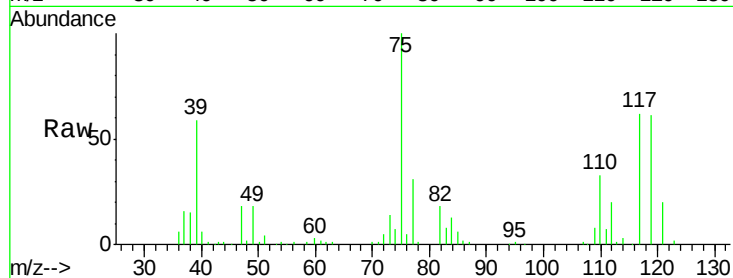
ClientSampleID :

VX0503WBSD01

Tot Ion:	75	Resp:	51831
Ion Ratio	Lower	Upper	
75	100		
110	33.7	0.0	66.4
77	31.4	0.0	62.2

Manual Integrations
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5/6/2019 9:28:39 AM



#30

2-Butanone

Concen: 102.719 ug/l

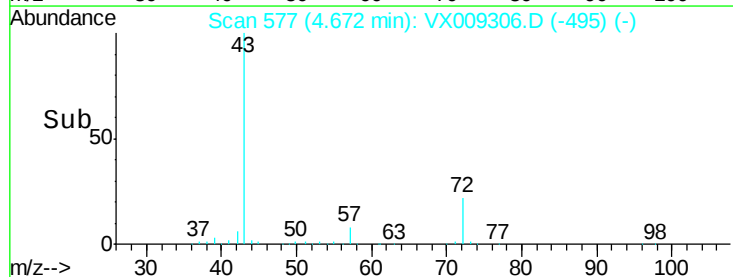
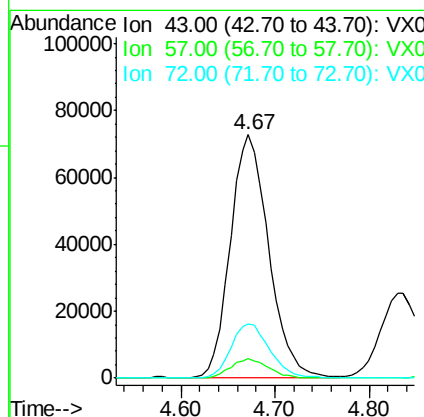
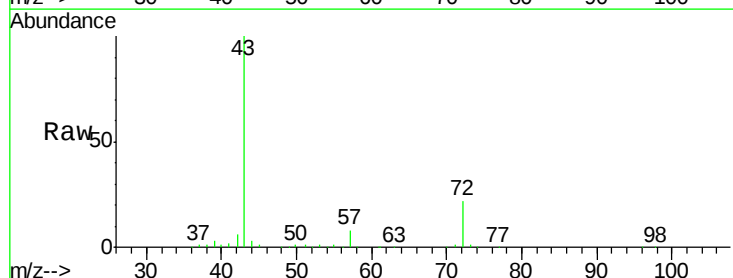
RT: 4.67 min Scan# 577

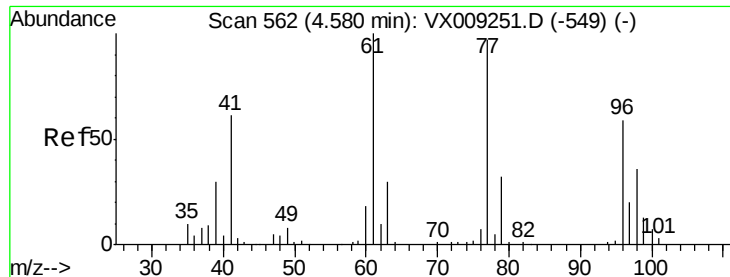
Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Tgt Ion:	43	Resp:	205578
Ion Ratio	Lower	Upper	
43	100		
57	8.0	6.0	9.0
72	22.8	18.2	27.4





#31

2,2-Dichloropropane

Concen: 19.206 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion: 77 Resp: 54108

Ion Ratio Lower Upper

77 100

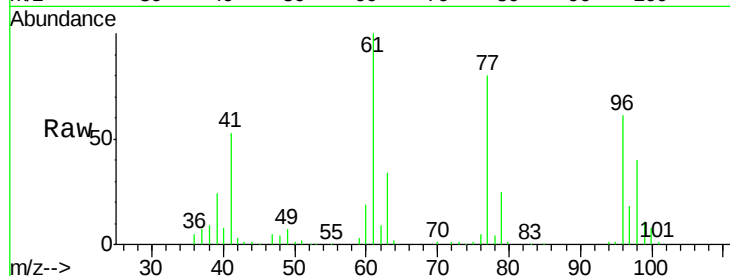
97 22.3 18.3 27.5

Manual Integrations

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MMDadoda

5/6/2019 9:28:39 AM



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0

20000

15000

10000

5000

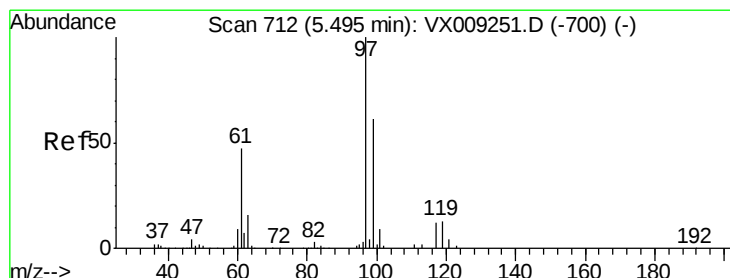
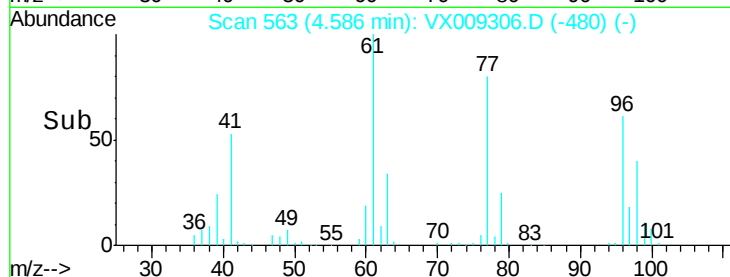
0

Time-->

4.50

4.60

4.70



#32

1,1,1-Trichloroethane

Concen: 20.552 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

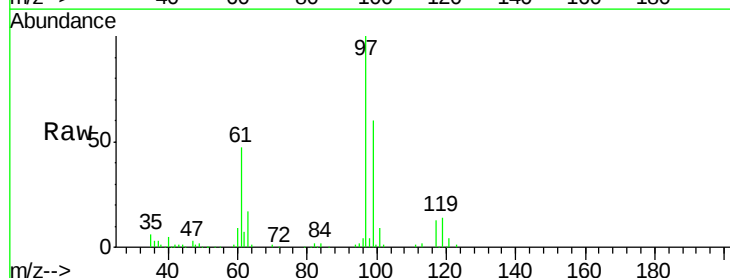
Tgt Ion: 97 Resp: 56937

Ion Ratio Lower Upper

97 100

99 64.5 53.9 80.9

61 47.6 38.6 58.0



Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

25000

20000

15000

10000

5000

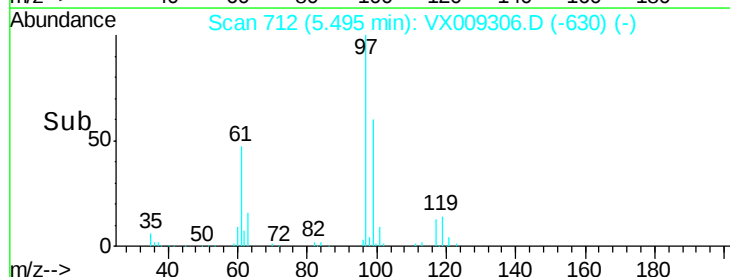
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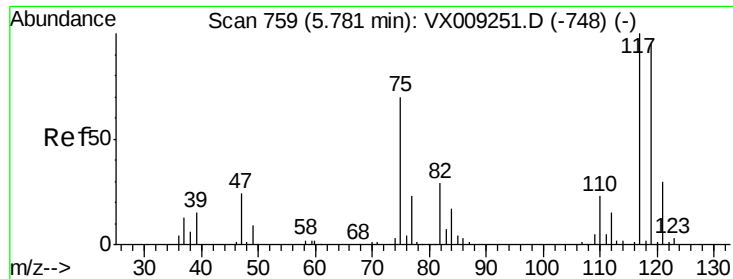
Time-->

5.40

5.50

5.60





#33

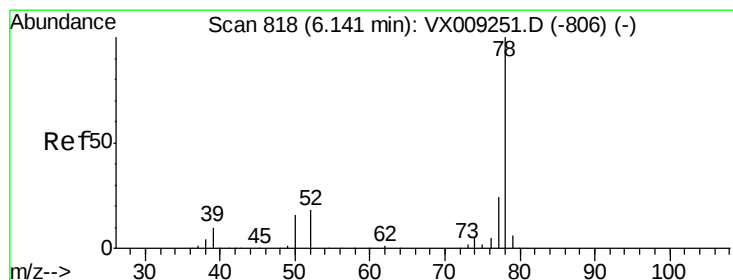
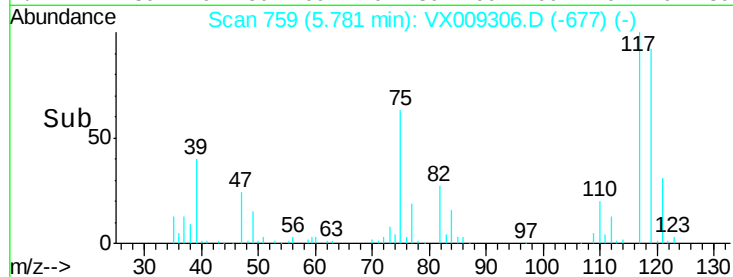
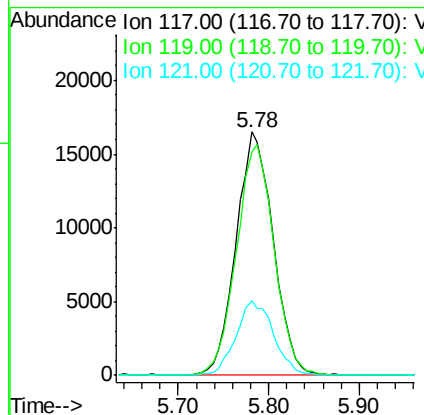
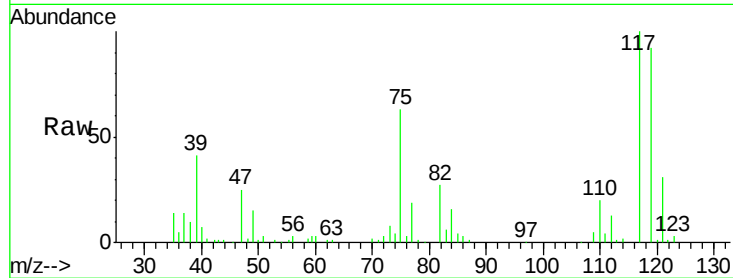
Carbon Tetrachloride
Concen: 20.258 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Instrument :
MSVOA_X
ClientSampled :
VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.8	76.1	114.1
121	30.8	24.4	36.6

Manual Integrations
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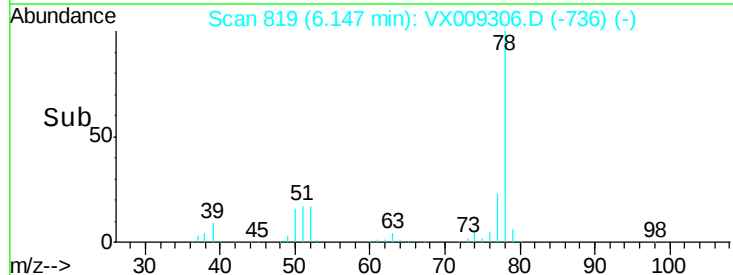
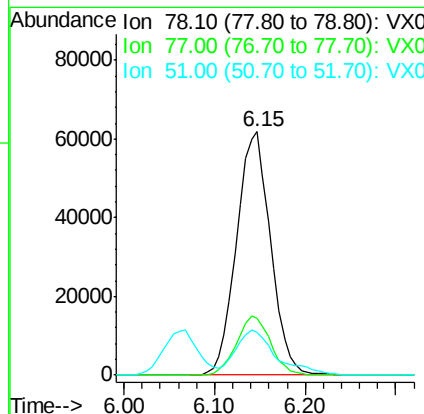
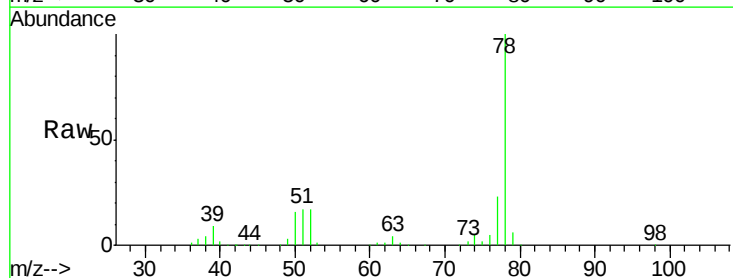
MMDadoda
5/6/2019 9:28:39 AM

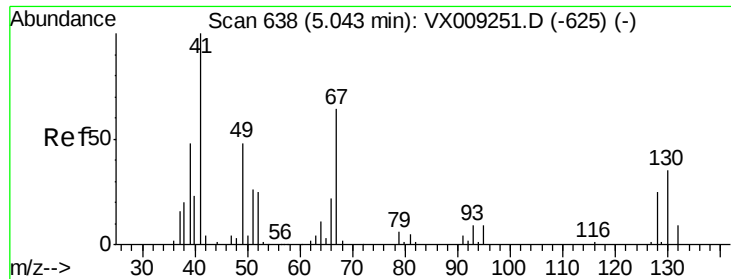


#34

Benzene
Concen: 20.531 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2
51	17.0	13.5	20.3





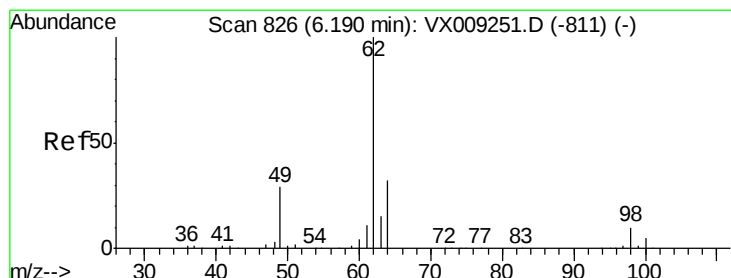
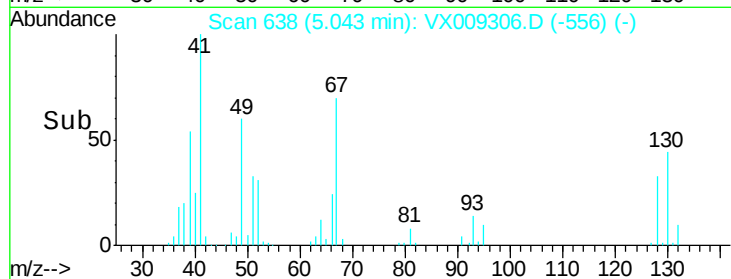
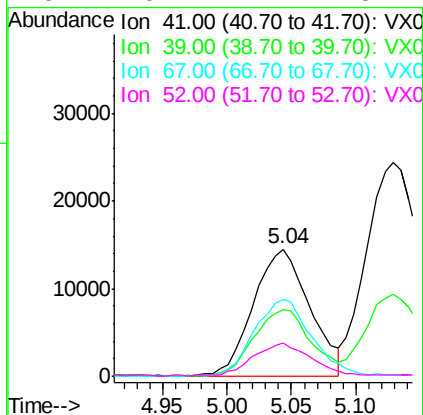
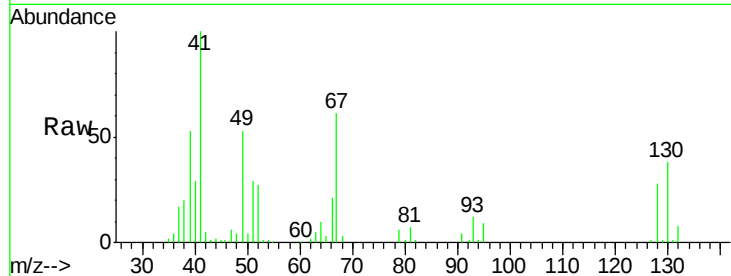
#35
Methacrylonitrile
Concen: 20.923 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Instrument :
MSVOA_X
ClientSampled :
VX0503WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	24.1	72.3	
67	60.9	32.2	96.6	
52	26.2	12.4	37.4	

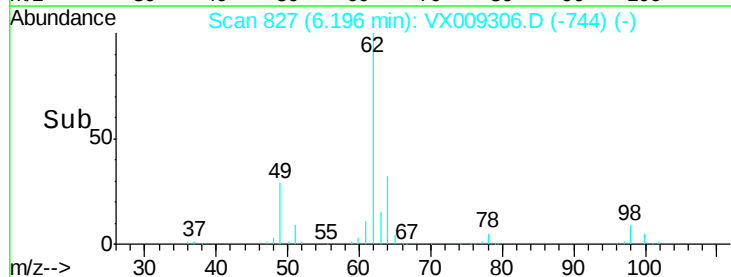
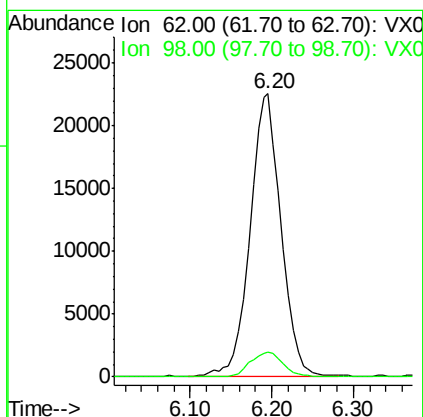
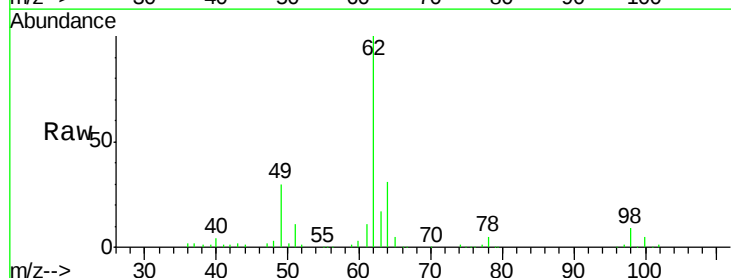
Manual Integrations
APPROVED

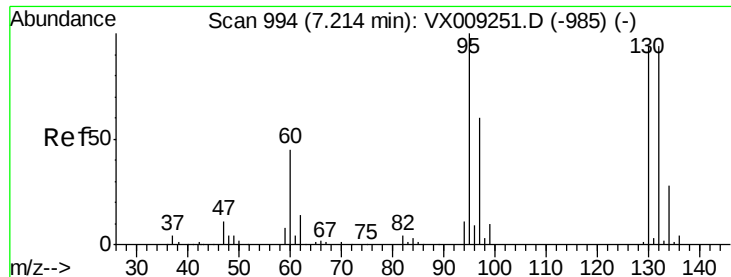
MMDadoda
5/6/2019 9:28:39 AM



#36
1,2-Dichloroethane
Concen: 20.894 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	7.4	11.2	





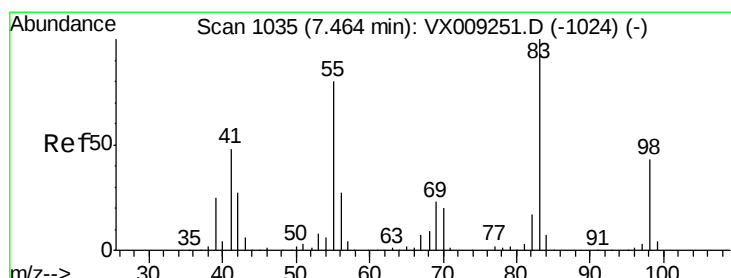
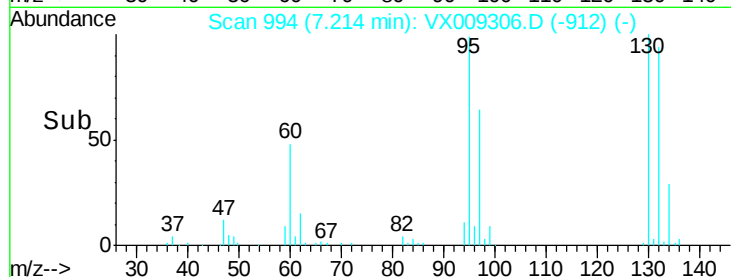
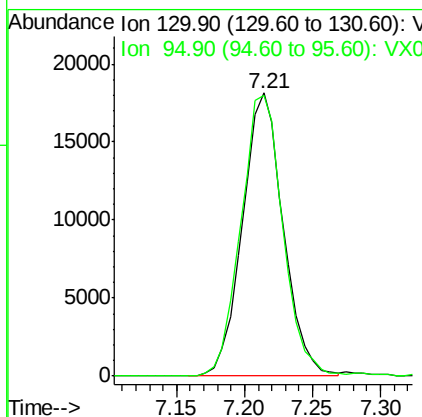
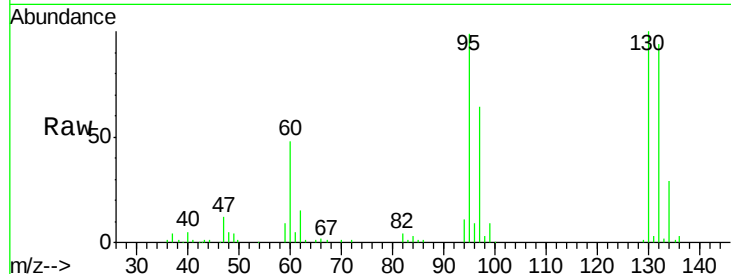
#37
 Trichloroethene
 Concen: 20.089 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD01

Tot Ion:130 Resp: 38101
 Ion Ratio Lower Upper
 130 100
 95 98.7 85.0 127.4

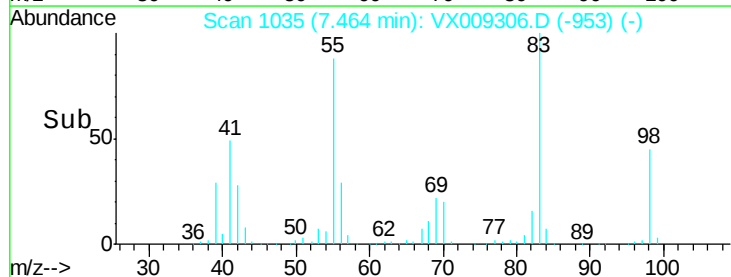
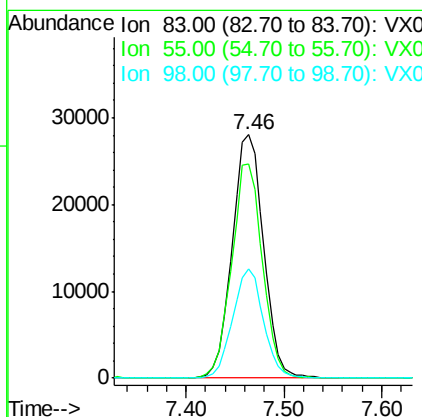
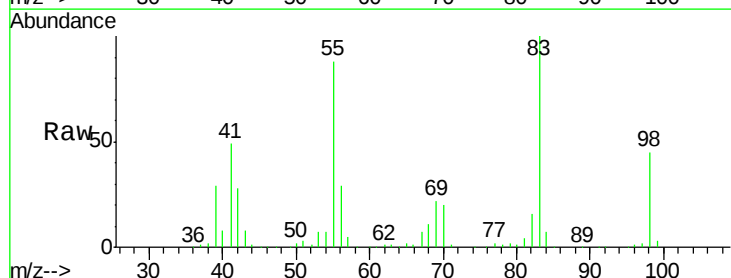
Manual Integrations
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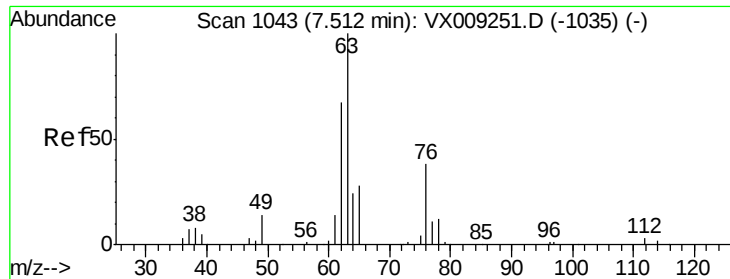
MMDadoda
 5/6/2019 9:28:39 AM



#38
 Methylcyclohexane
 Concen: 19.824 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Tgt Ion: 83 Resp: 62589
 Ion Ratio Lower Upper
 83 100
 55 86.2 43.0 129.2
 98 43.9 22.1 66.1





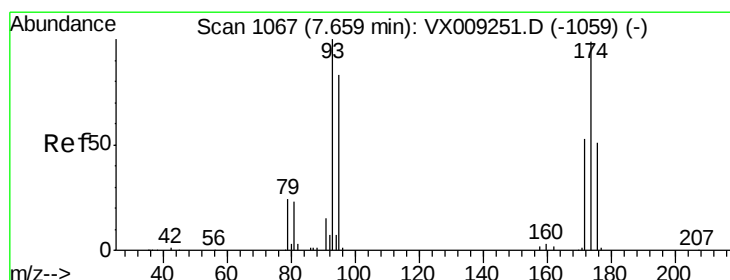
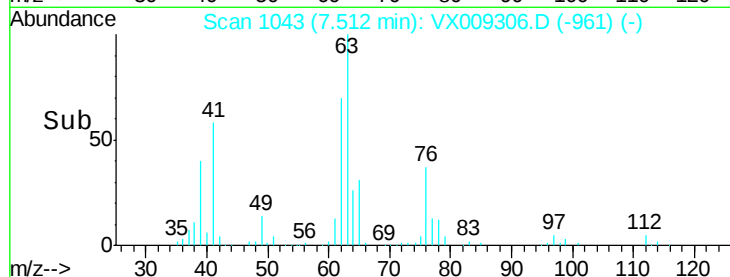
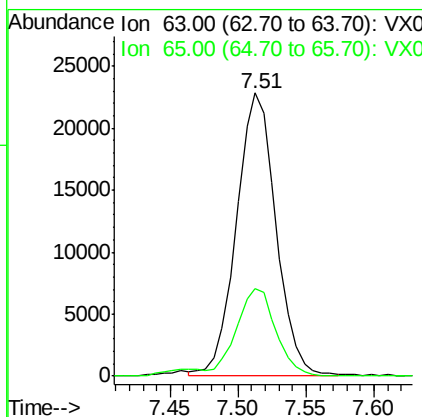
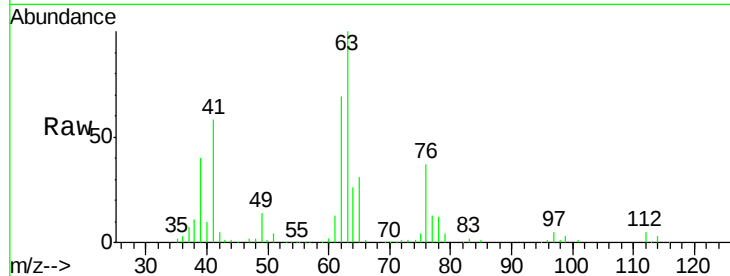
#39
 1,2-Dichloropropane
 Concen: 20.727 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Instrument :
 MSVOA_X
 ClientSampled :
 VX0503WBSD01

Tot Ion: 63 Resp: 46504
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.0 36.0

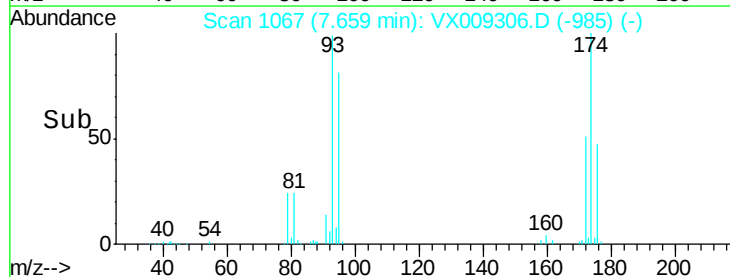
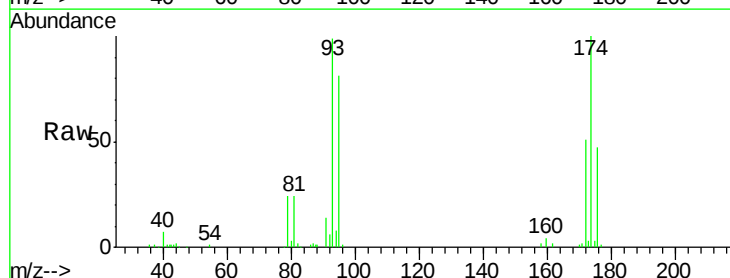
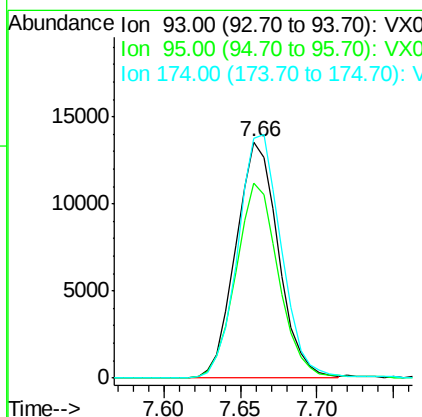
Manual Integrations
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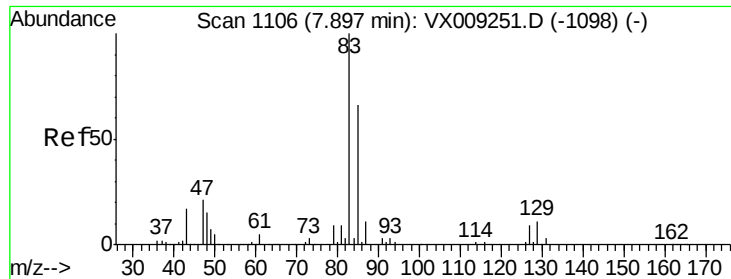
MMDadoda
 5/6/2019 9:28:39 AM



#40
 Dibromomethane
 Concen: 20.602 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Tgt Ion: 93 Resp: 26234
 Ion Ratio Lower Upper
 93 100
 95 82.6 0.0 167.2
 174 104.6 0.0 203.4





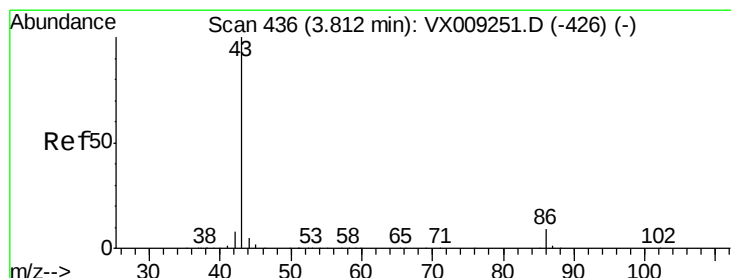
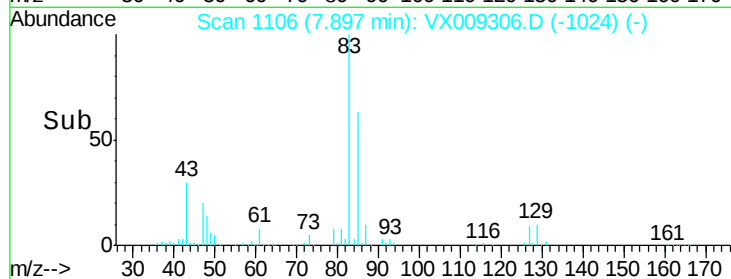
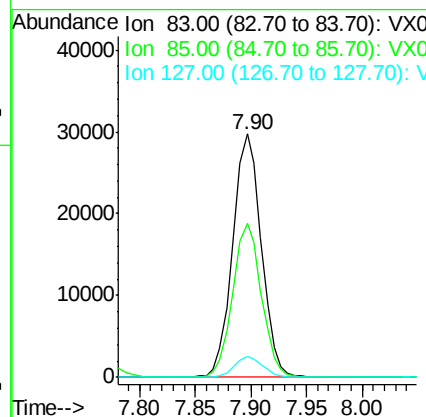
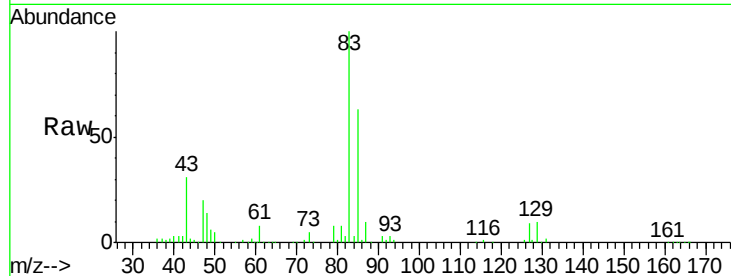
#41
Bromodichloromethane
Concen: 20.363 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.6	79.0
127	9.6	6.9	10.3

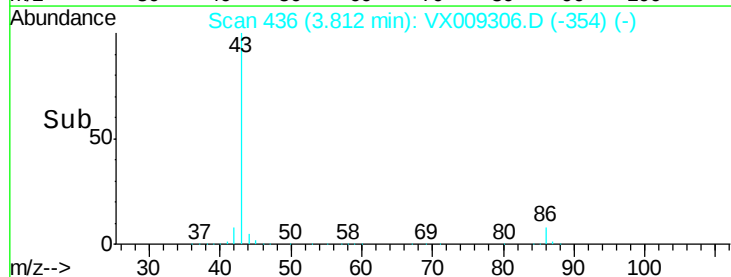
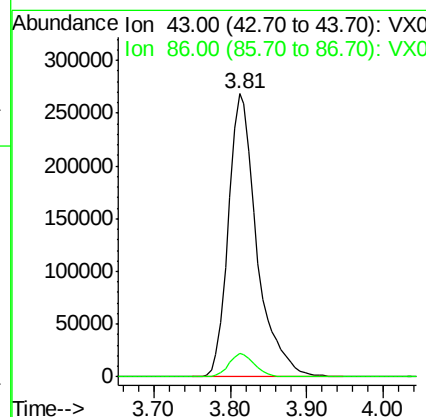
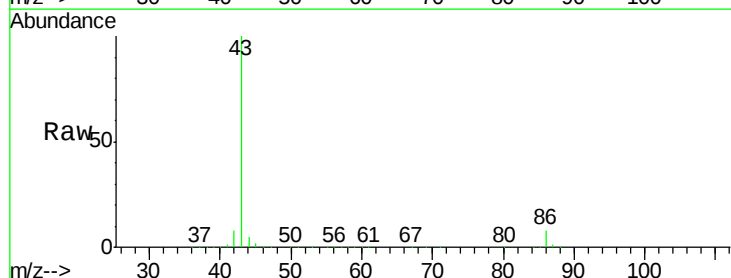
Manual Integrations
APPROVED

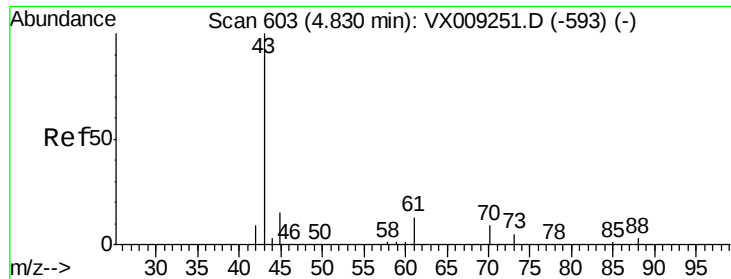
MMDadoda
5/6/2019 9:28:39 AM



#42
Vinyl Acetate
Concen: 104.622 ug/l
RT: 3.81 min Scan# 436
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.0	9.0





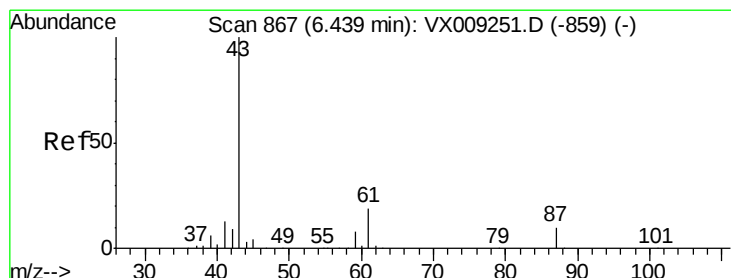
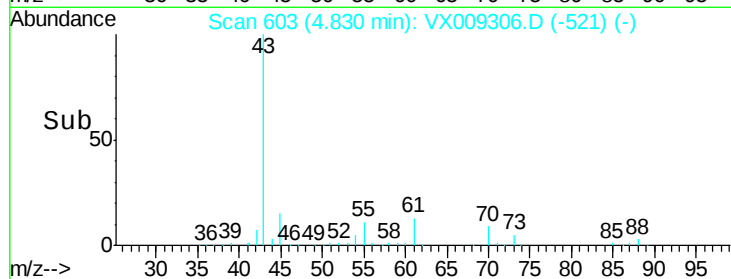
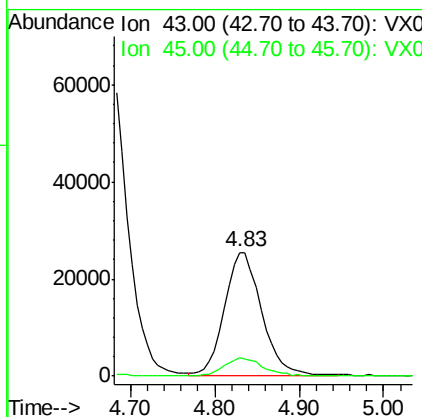
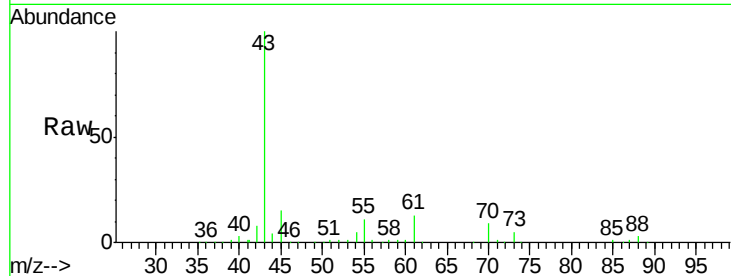
#43
Ethyl Acetate
Concen: 21.289 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion: 43 Resp: 76991
Ion Ratio Lower Upper
43 100
45 15.1 11.8 17.8

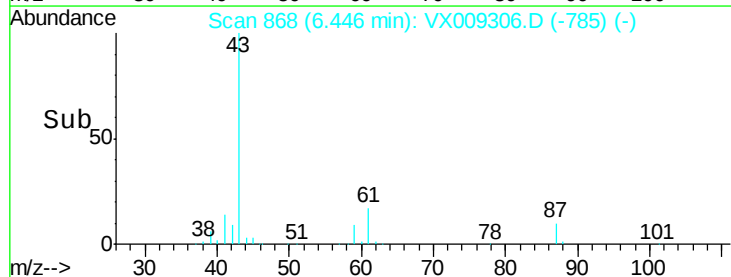
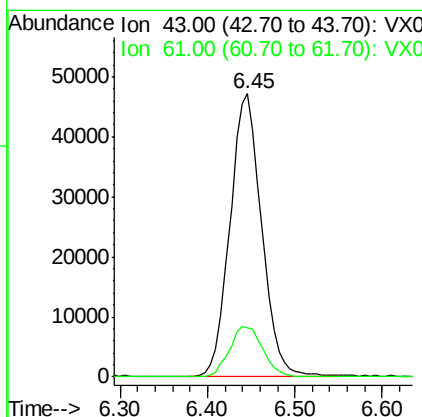
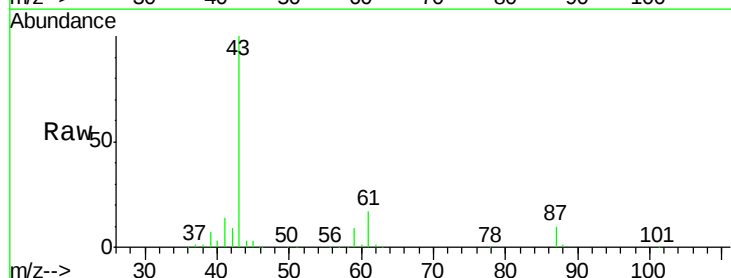
Manual Integrations
APPROVED

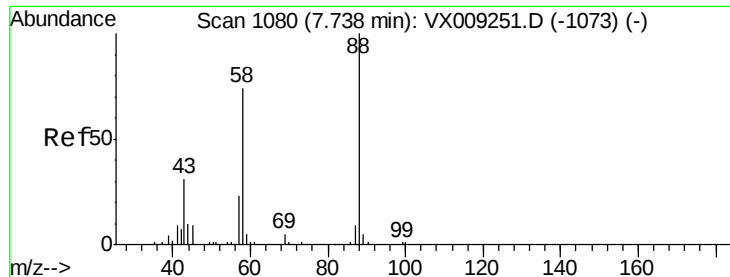
MMDadoda
5/6/2019 9:28:39 AM



#44
Isopropyl Acetate
Concen: 20.150 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.01 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Tgt Ion: 43 Resp: 118050
Ion Ratio Lower Upper
43 100
61 18.9 15.4 23.2





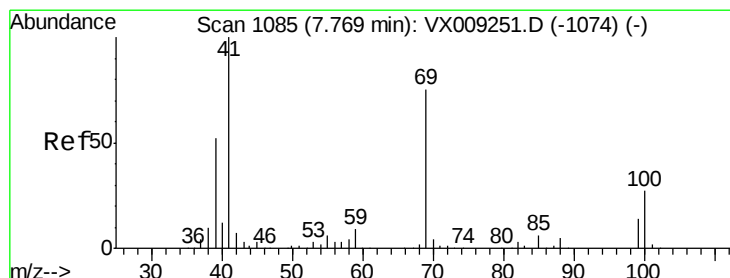
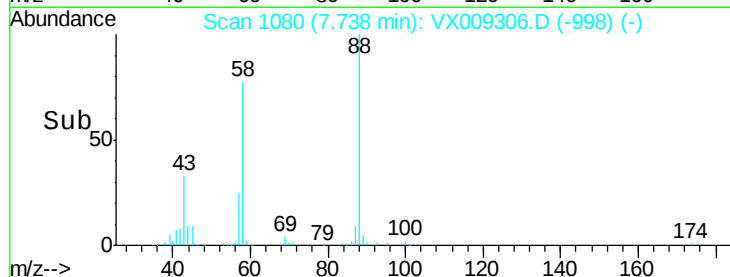
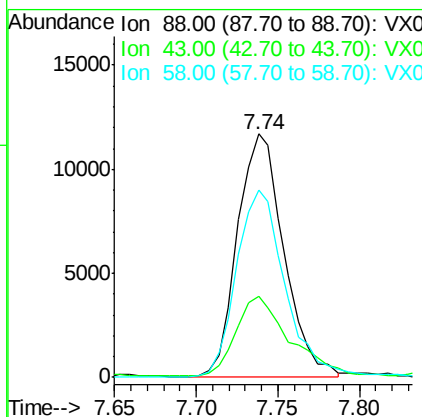
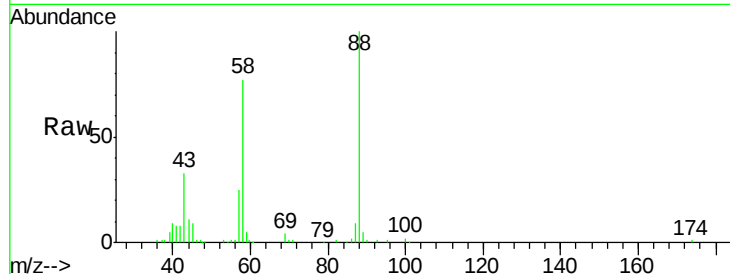
#45
 1,4-Dioxane
 Concen: 404.197 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	28.5	42.7
58	80.4	62.5	93.7

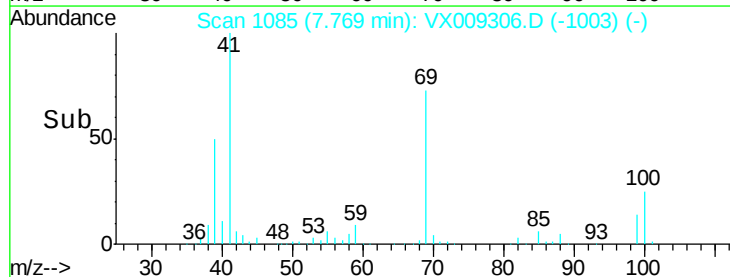
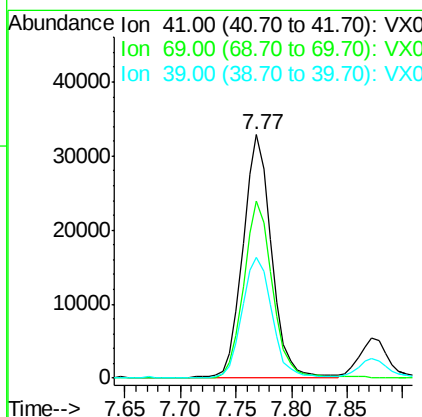
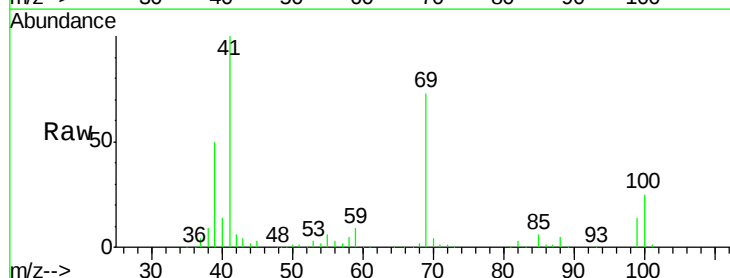
Manual Integrations
 APPROVED

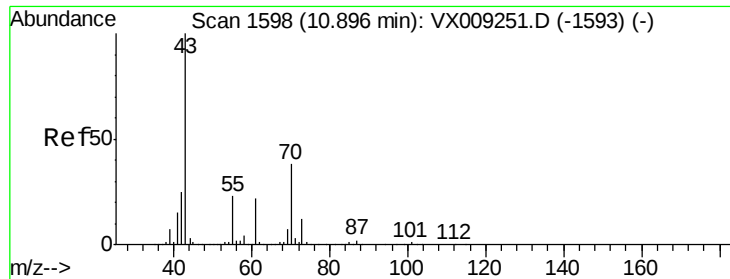
MMDadoda
 5/6/2019 9:28:39 AM



#46
 Methyl methacrylate
 Concen: 19.928 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	72.8	37.6	112.8
39	49.5	25.8	77.3





#47

n-amvl Acetate

Concen: 19.755 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

ClientSampled :

VX0503WBSD01

Tot Ion: 43 Resp: 104259

Ion Ratio Lower Upper

43 100

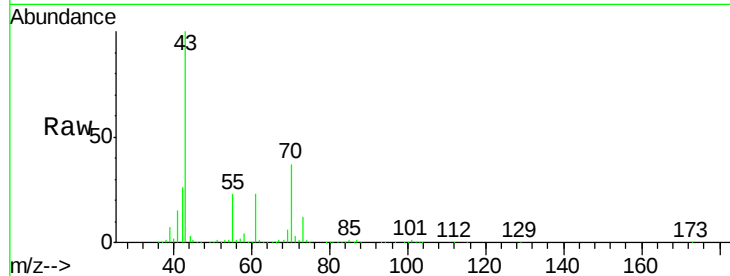
55 22.8 18.2 27.4

Manual Integrations

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MMDadoda

5/6/2019 9:28:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.90

80000

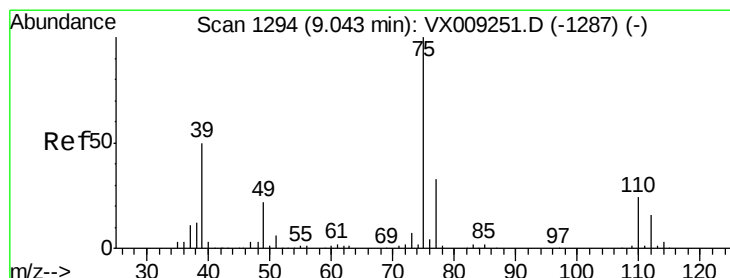
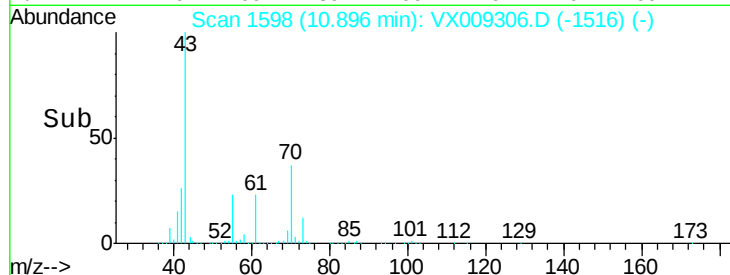
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 19.417 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX009306.D

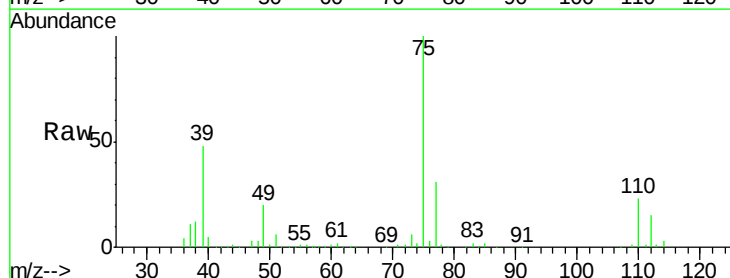
Acq: 03 May 2019 12:43

Tgt Ion: 75 Resp: 58930

Ion Ratio Lower Upper

75 100

77 30.5 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.04

40000

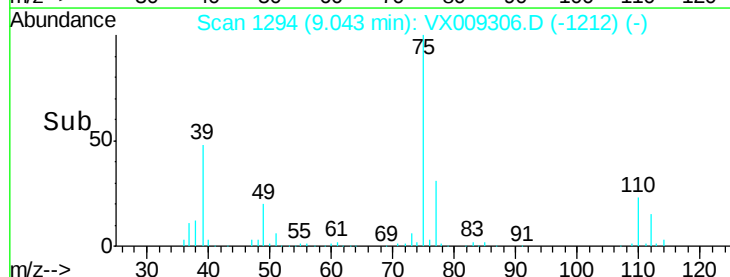
30000

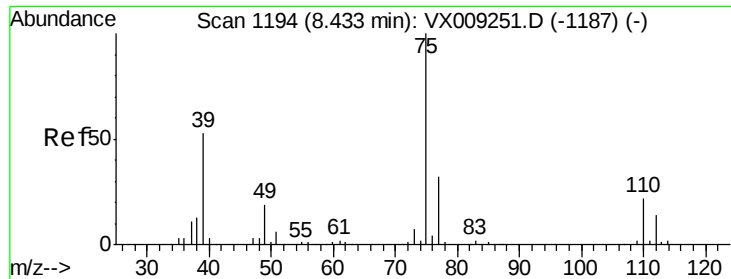
20000

10000

0

Time-->





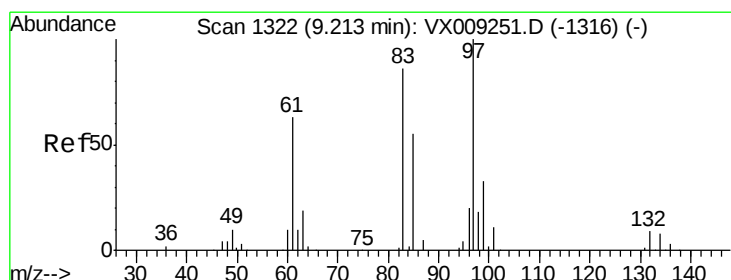
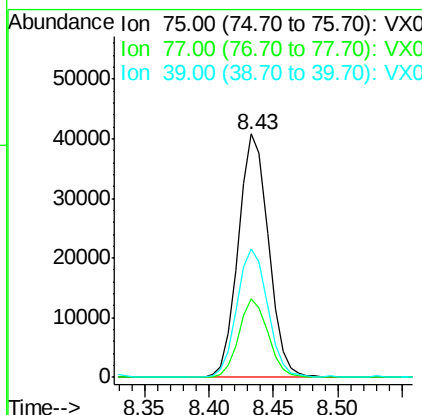
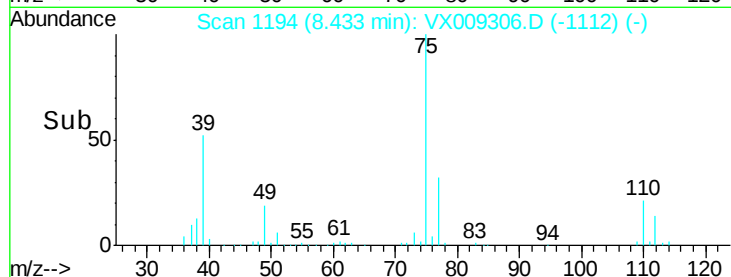
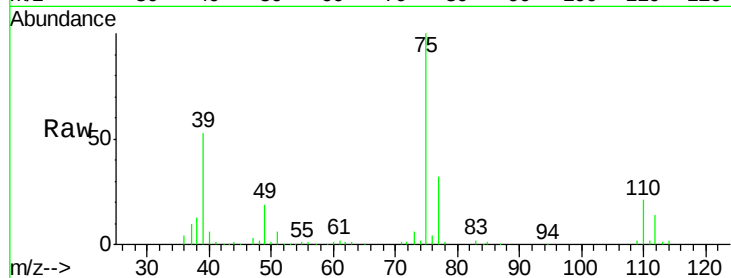
#49
 cis-1,3-Dichloropropene
 Concen: 19.900 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.0	39.0
39	52.3	42.6	63.8

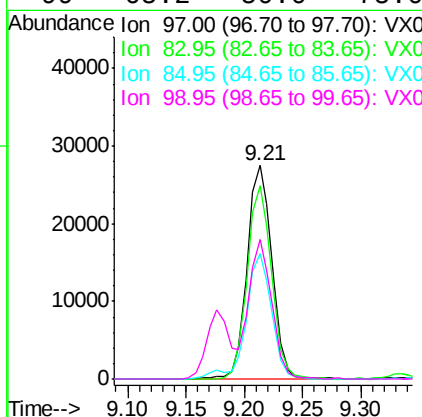
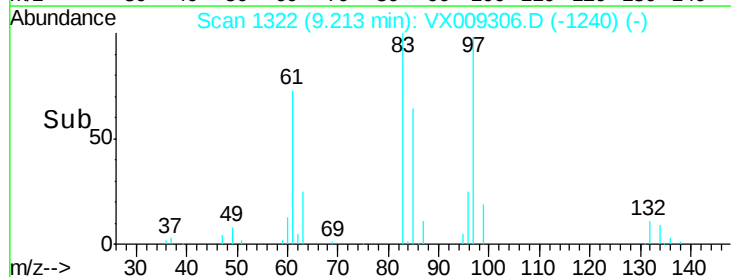
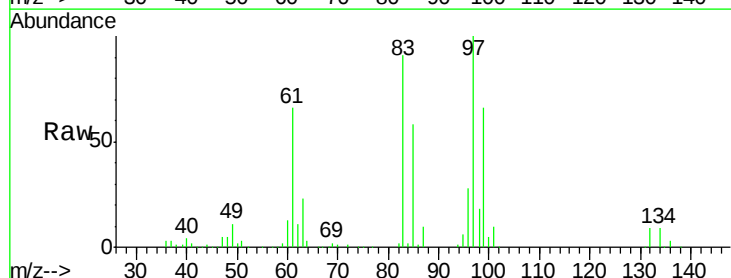
Manual Integrations
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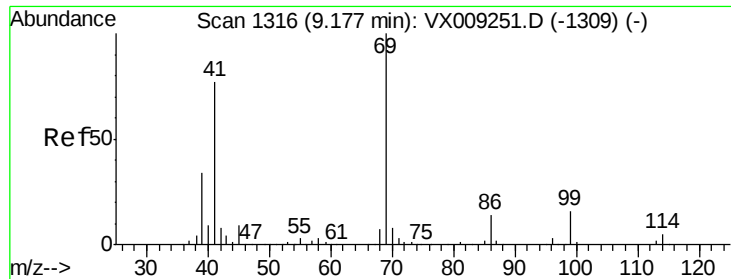
MMDadoda
 5/6/2019 9:28:39 AM



#50
 1,1,2-Trichloroethane
 Concen: 21.035 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.8	68.8	103.2
85	58.3	45.8	68.6
99	65.2	50.0	75.0





#51

Ethyl methacrylate

Concen: 19.960 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

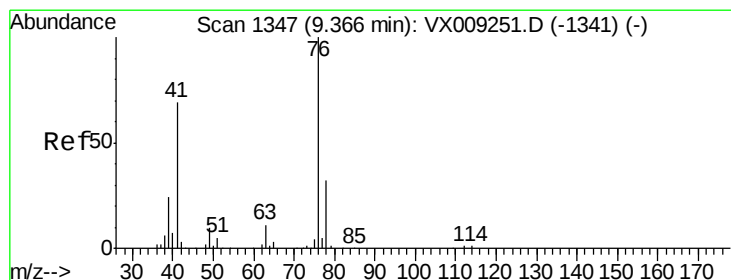
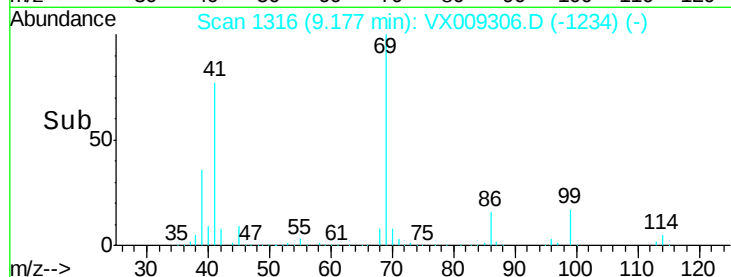
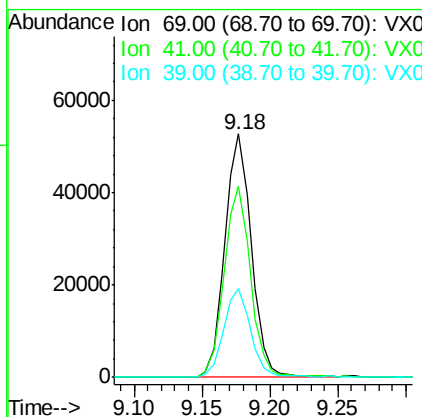
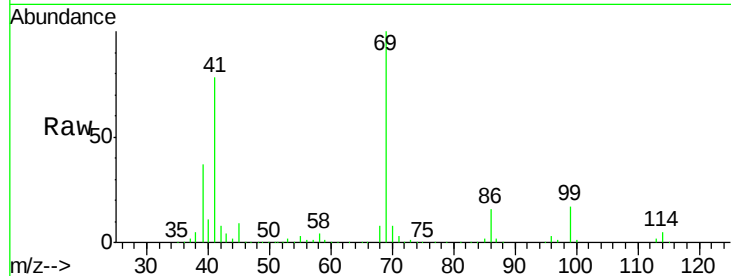
ClientSampled :

VX0503WBSD01

Tot Ion:	69	Resp:	71962
Ion	Ratio	Lower	Upper
69	100		
41	78.1	38.4	115.2
39	36.4	17.2	51.5

Manual Integrations
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5/6/2019 9:28:39 AM



#52

1,3-Dichloropropane

Concen: 20.537 ug/l

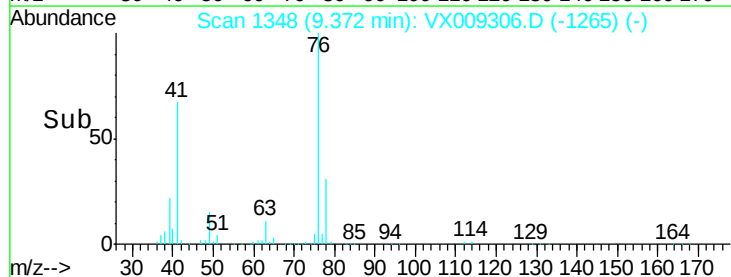
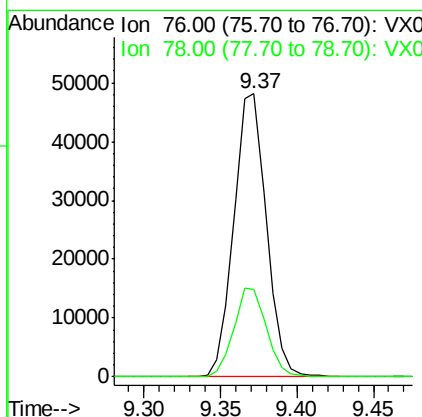
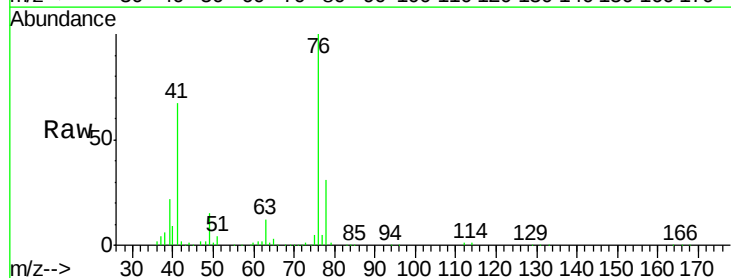
RT: 9.37 min Scan# 1348

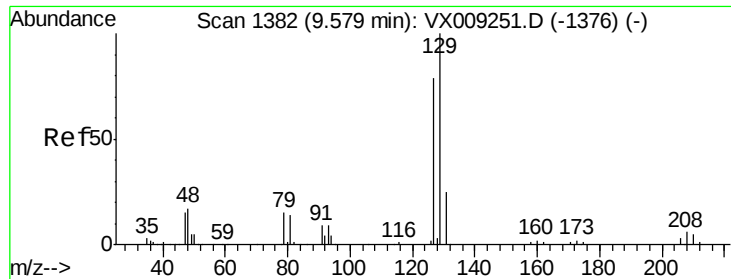
Delta R.T. 0.01 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Tgt Ion:	76	Resp:	71110
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	64.2





#53

Dibromochloromethane

Concen: 20.408 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion:129 Resp: 39653

Ion Ratio Lower Upper

129 100

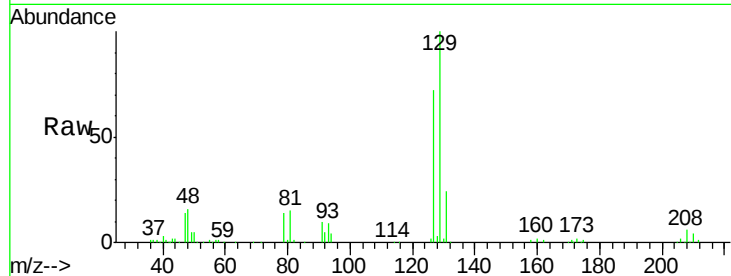
127 77.2 39.1 117.5

Manual Integrations

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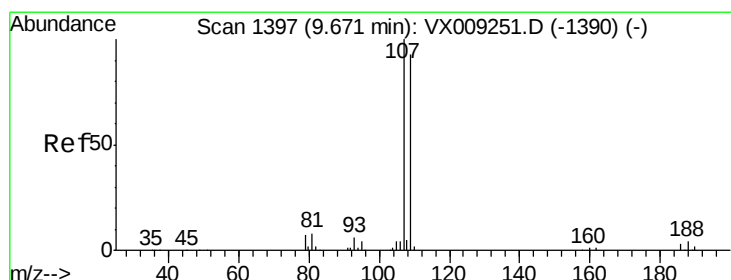
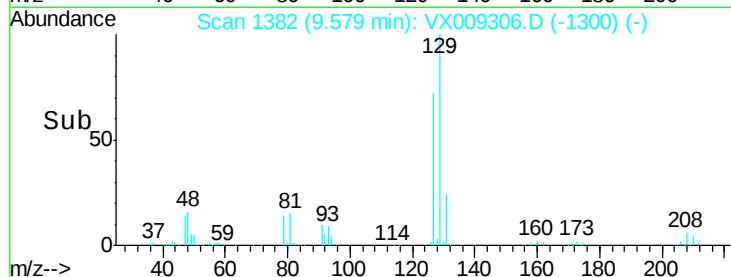
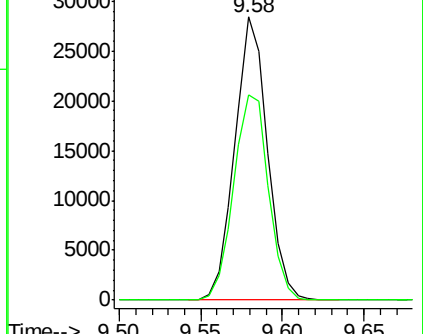
MMDadoda

5/6/2019 9:28:39 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.463 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009306.D

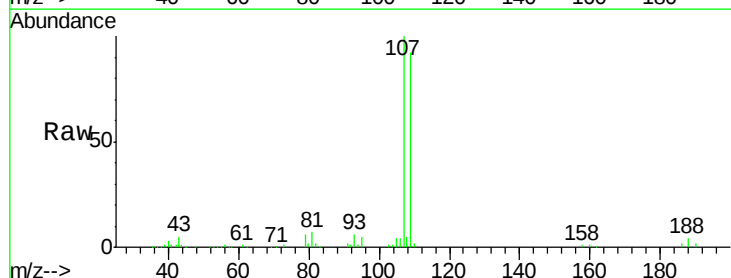
Acq: 03 May 2019 12:43

Tgt Ion:107 Resp: 40944

Ion Ratio Lower Upper

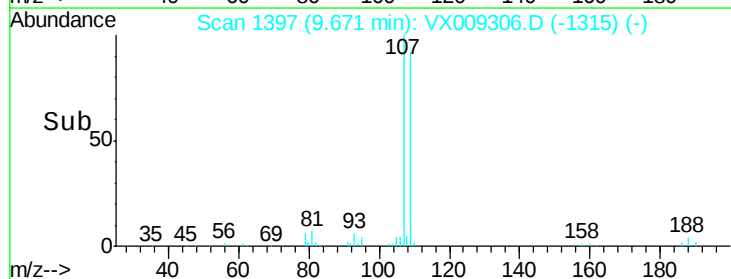
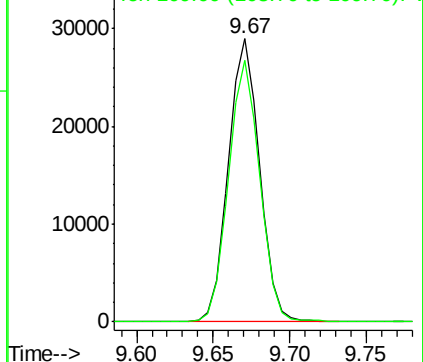
107 100

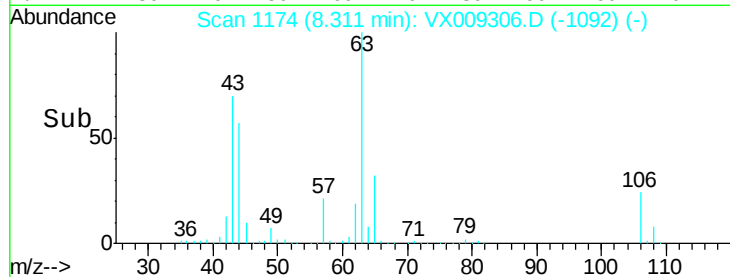
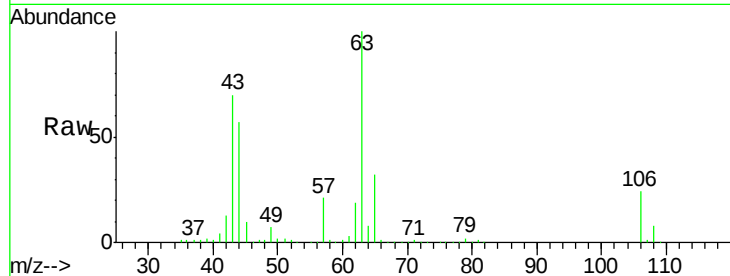
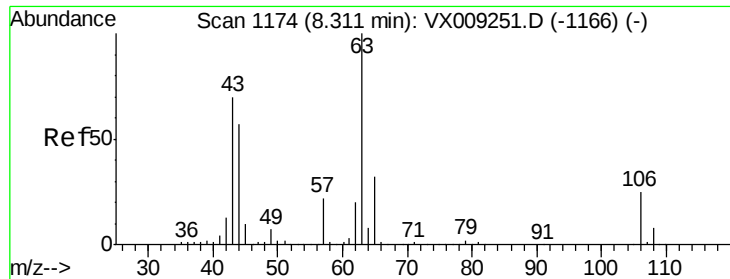
109 92.4 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





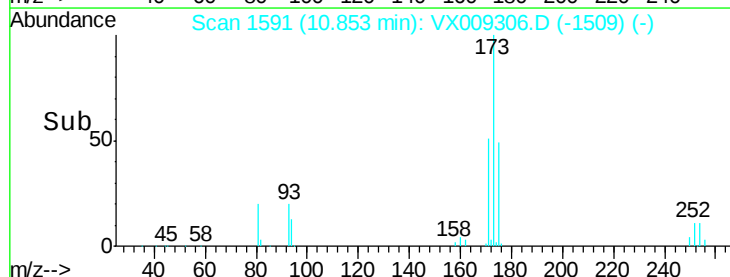
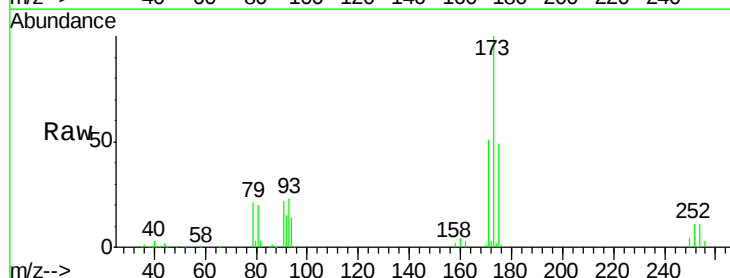
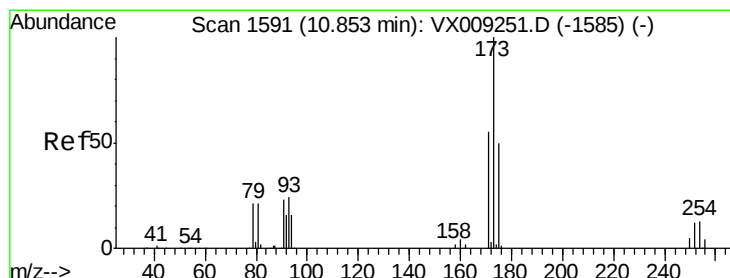
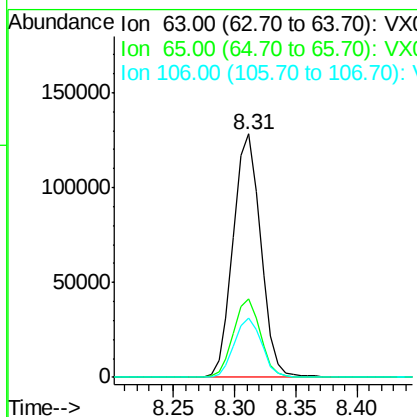
#55
2-Chloroethyl vinyl ether
Concen: 104.487 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Tot Ion	Ratio	Resp	Lower	Upper
63	100	200735		
65	31.9		25.8	38.6
106	24.2		19.8	29.6

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

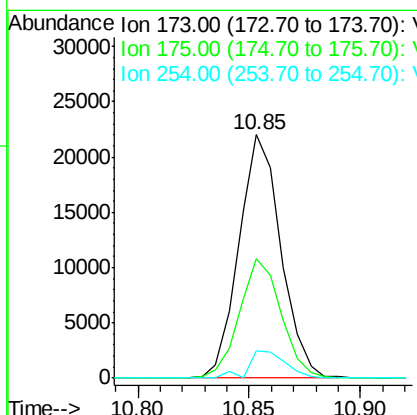
Manual Integrations
APPROVED

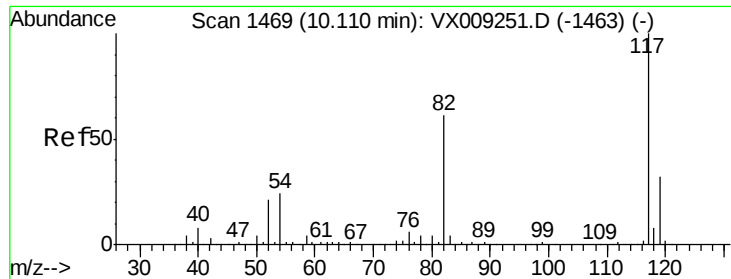
MMDadoda
5/6/2019 9:28:39 AM



#56
Bromoform
Concen: 19.362 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	28878		
175	48.9		39.4	59.2
254	9.1		9.9	14.9#





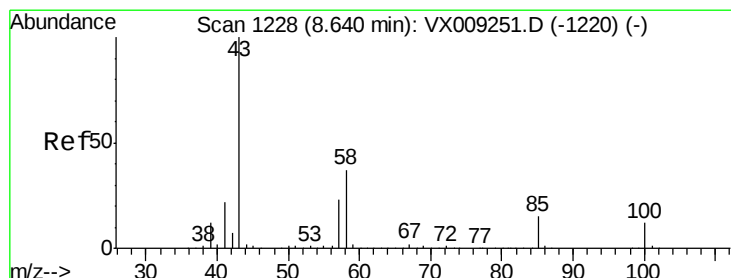
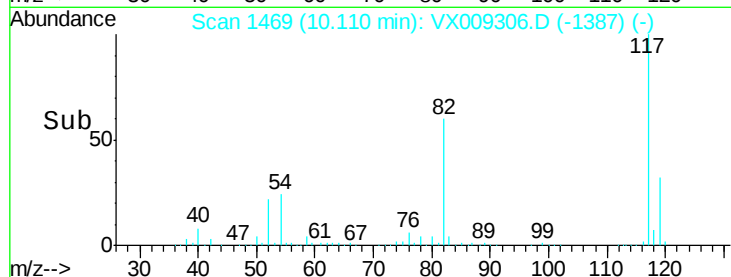
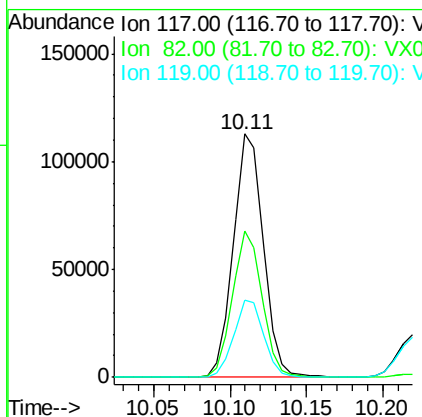
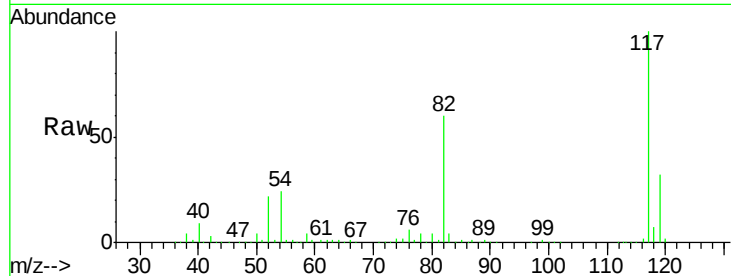
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Instrument :
MSVOA_X
ClientSampled :
VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.8	71.8
119	31.7	25.6	38.4

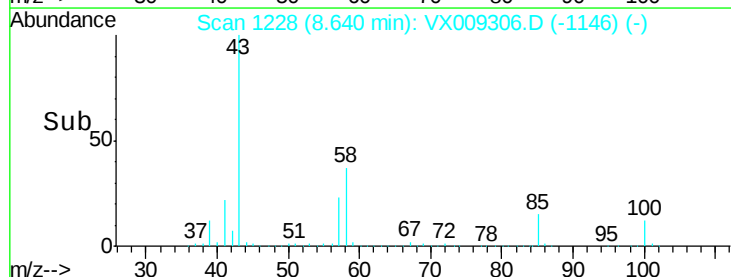
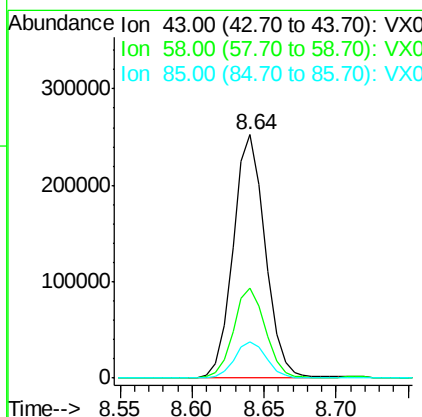
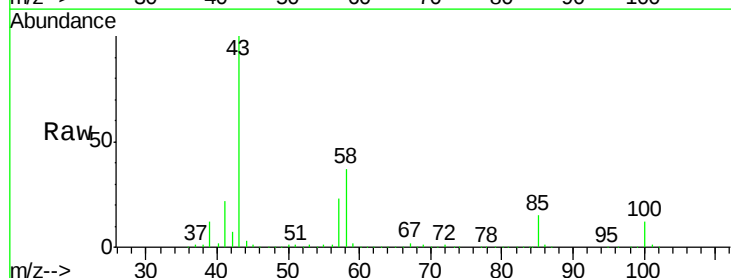
Manual Integrations
APPROVED

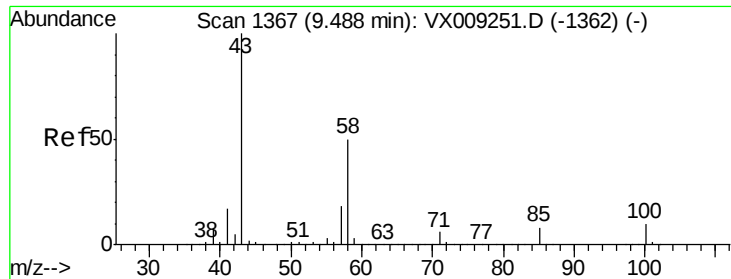
MMDadoda
5/6/2019 9:28:39 AM



#58
4-Methyl-2-Pentanone
Concen: 103.997 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.4	44.0
85	14.9	11.8	17.8





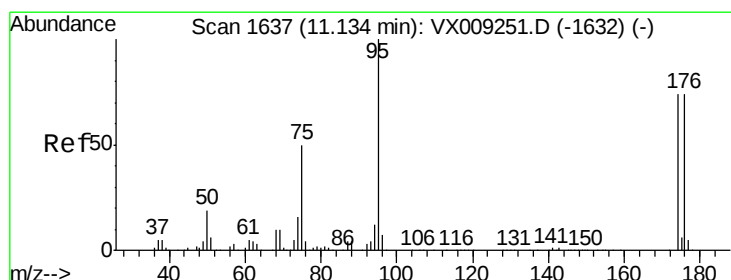
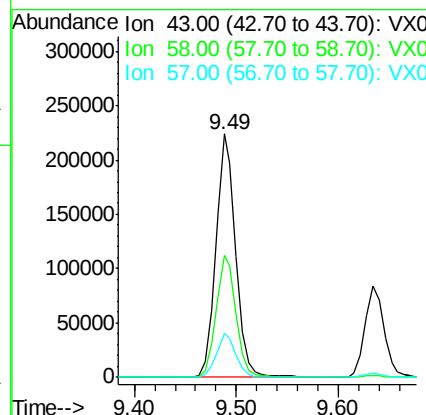
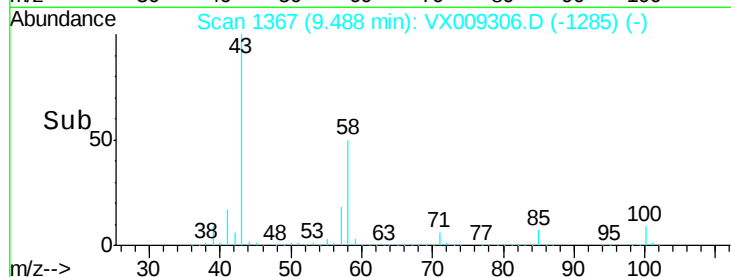
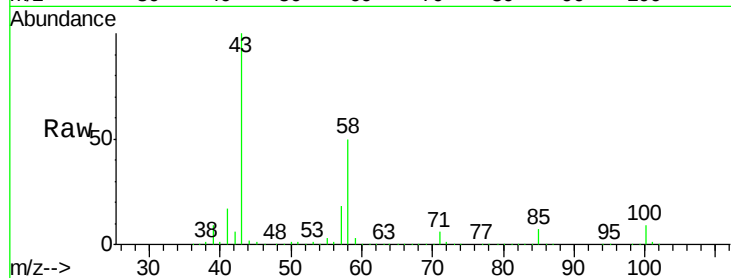
#59
2-Hexanone
Concen: 102.386 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.0	40.8	61.2
57	17.8	14.1	21.1

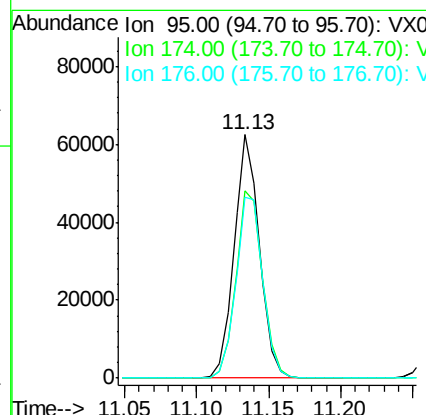
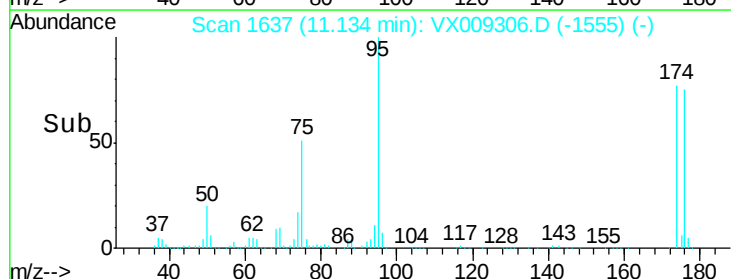
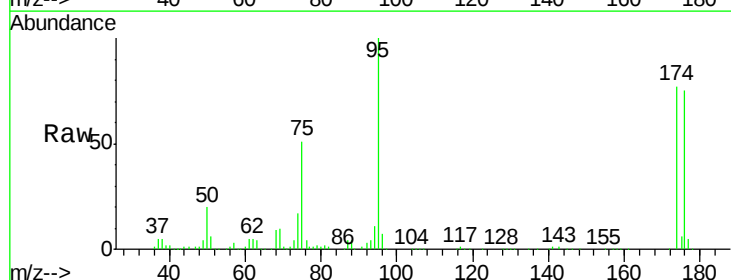
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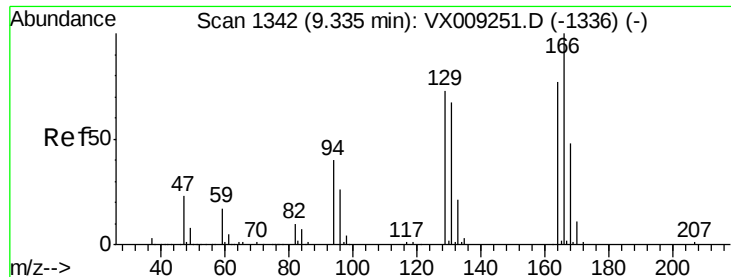
MMDadoda
5/6/2019 9:28:39 AM



#60
4-Bromofluorobenzene
Concen: 29.401 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.0	63.6	95.4
176	79.3	62.4	93.6





#61

Tetrachloroethene

Concen: 20.828 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion:164 Resp: 35324

Ion Ratio Lower Upper

164 100

166 125.5 104.1 156.1

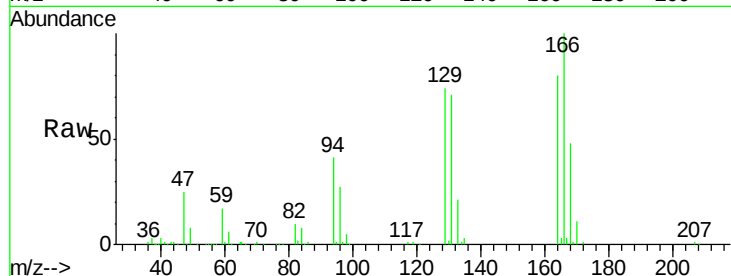
129 92.8 76.0 114.0

131 89.6 70.1 105.1

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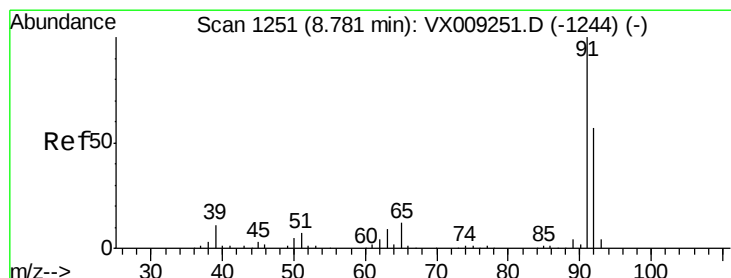
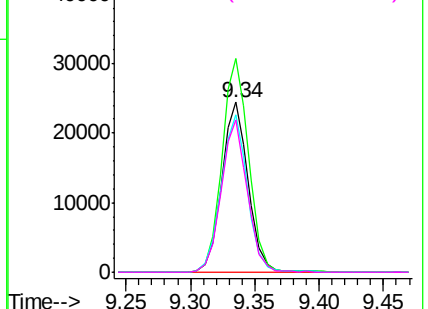
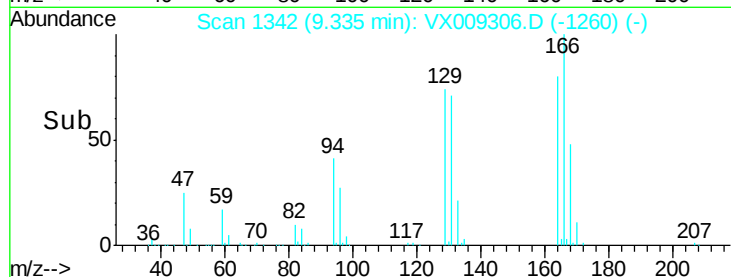


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.985 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX009306.D

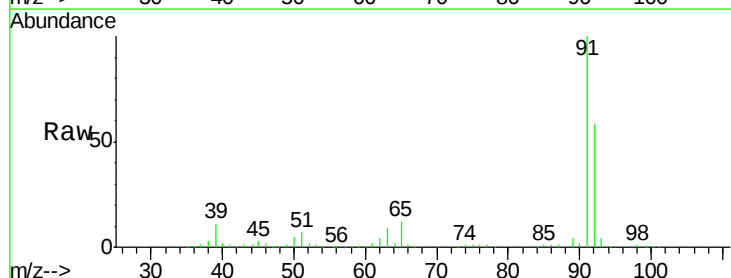
Acq: 03 May 2019 12:43

Tgt Ion: 91 Resp: 172517

Ion Ratio Lower Upper

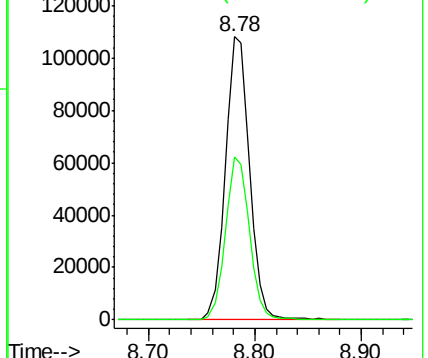
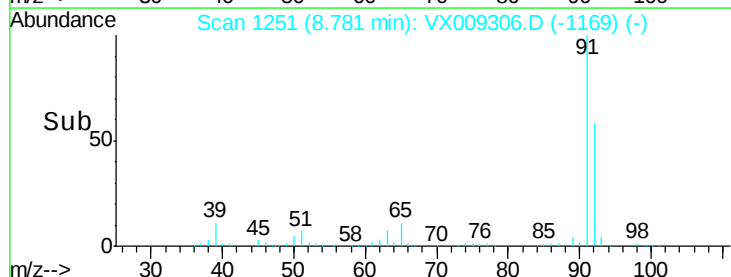
91 100

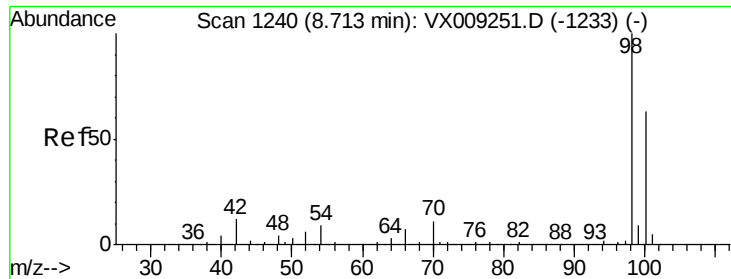
92 57.1 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.138 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion: 98 Resp: 219822

Ion Ratio Lower Upper

98 100

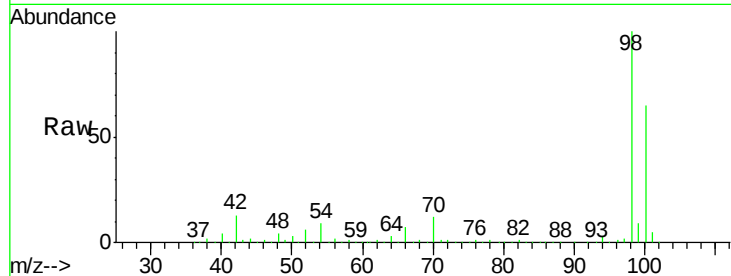
100 63.9 52.3 78.5

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Abundance Ion 98.00 (97.70 to 98.70): VX009251.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX009251.D (-1233) (-)

8.71

150000

100000

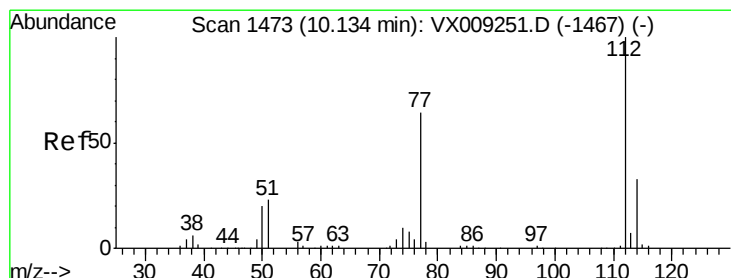
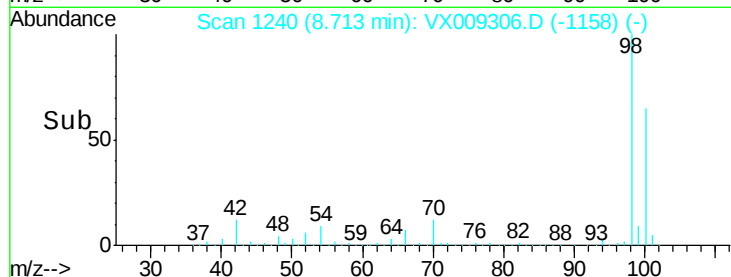
50000

0

8.70

8.80

Time-->



#64

Chlorobenzene

Concen: 20.484 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009306.D

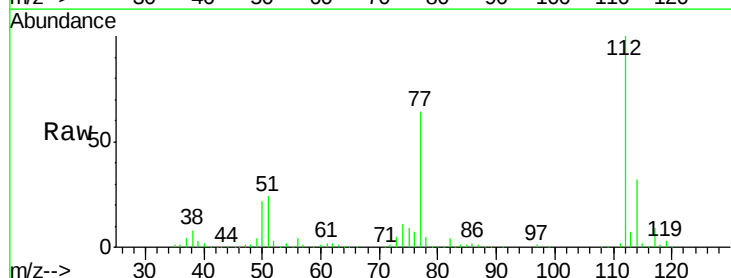
Acq: 03 May 2019 12:43

Tgt Ion: 112 Resp: 101345

Ion Ratio Lower Upper

112 100

114 31.9 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): VX009251.D (-1467) (-)

Ion 114.00 (113.70 to 114.70): VX009251.D (-1467) (-)

10.13

80000

60000

40000

20000

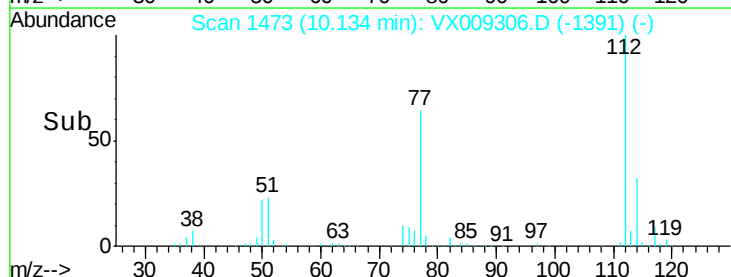
0

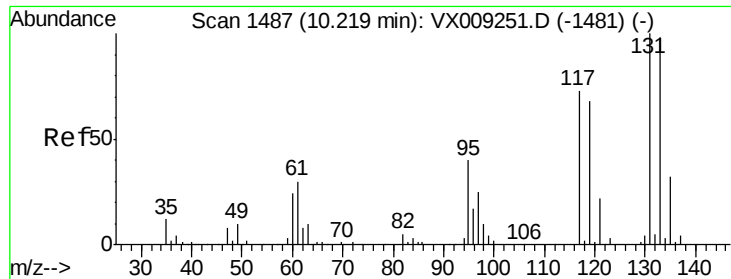
10.10

10.15

10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.244 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

ClientSampled :

VX0503WBSD01

Tot Ion:131 Resp: 36674

Ion Ratio Lower Upper

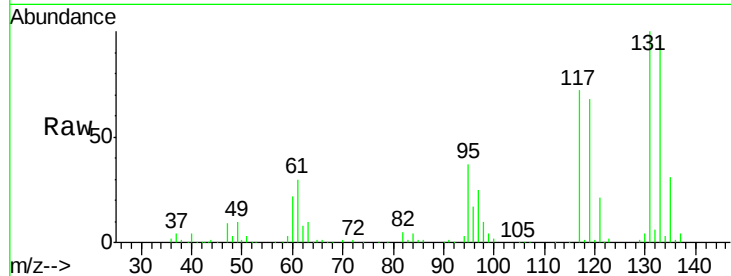
131 100

133 96.3 0.0 191.2

119 67.4 0.0 135.4

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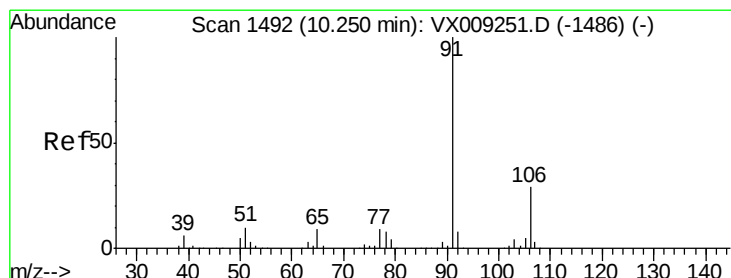
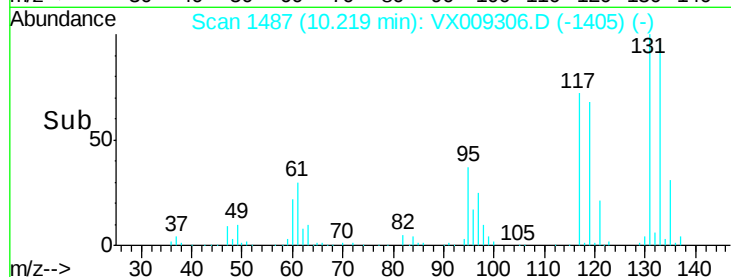
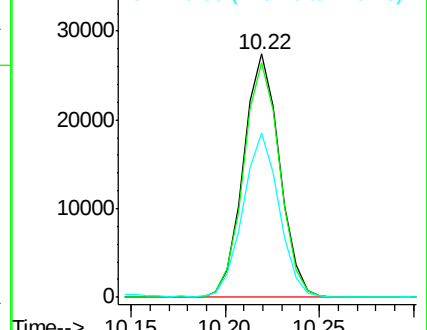
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Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.449 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009306.D

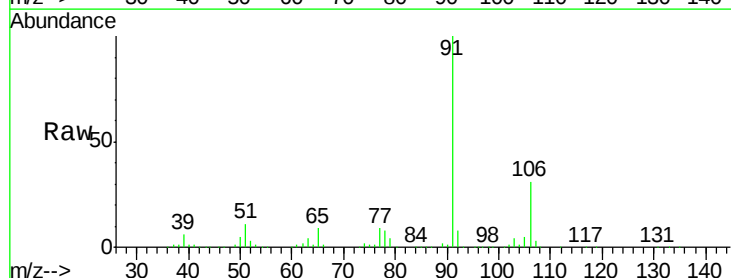
Acq: 03 May 2019 12:43

Tgt Ion: 91 Resp: 187272

Ion Ratio Lower Upper

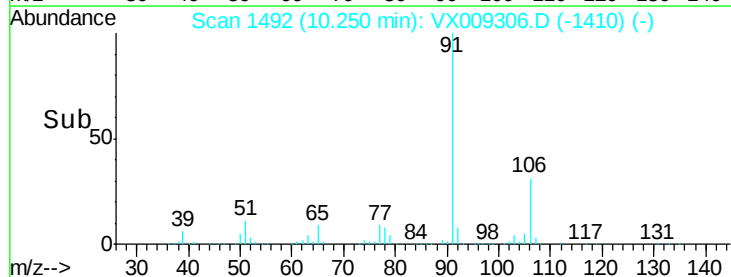
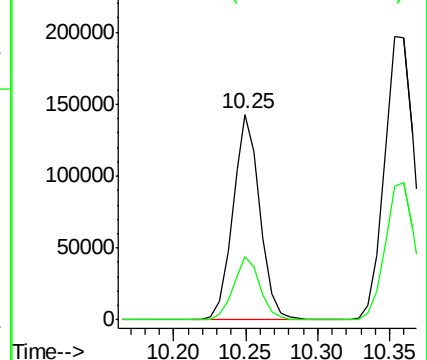
91 100

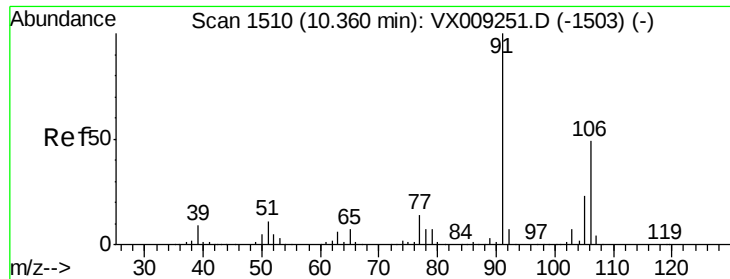
106 31.1 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





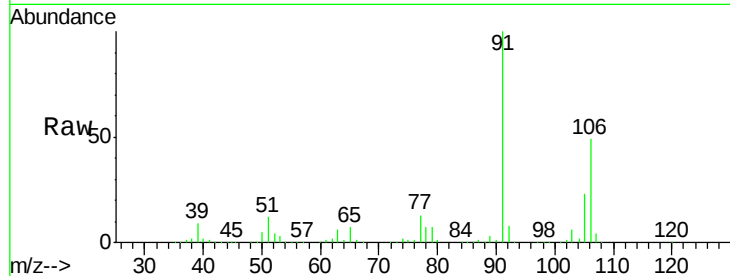
#67
m/p-Xvlenes
Concen: 40.631 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

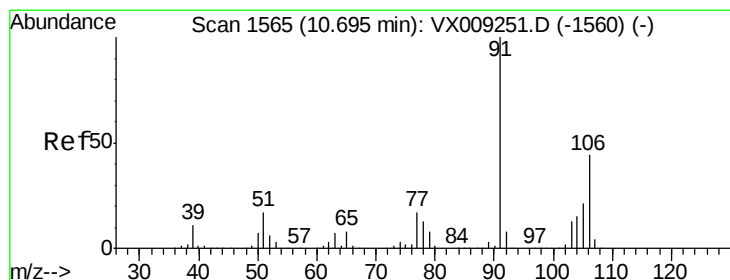
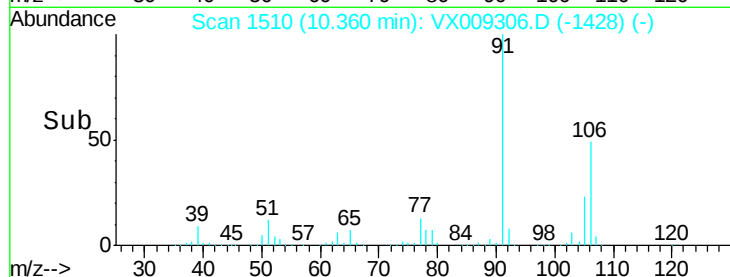
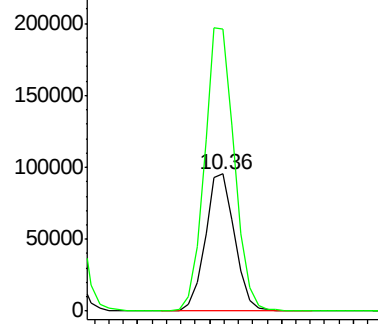
Tot Ion:106 Resp: 135858
Ion Ratio Lower Upper
106 100
91 209.1 166.8 250.2

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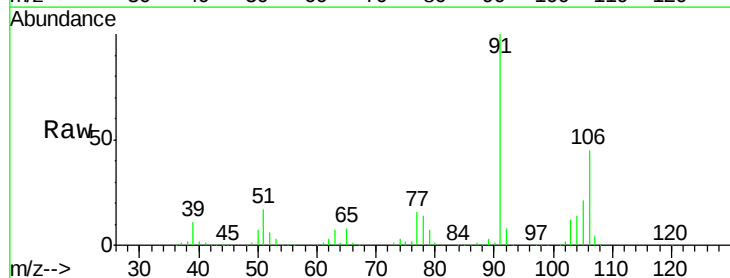


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

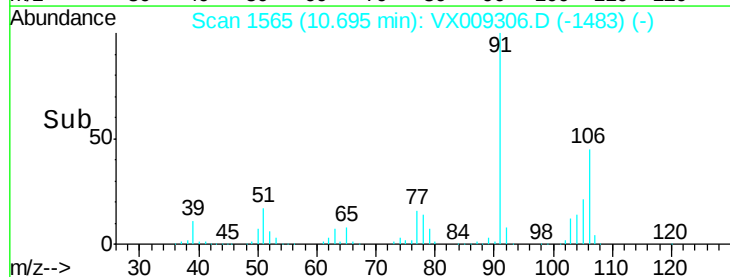
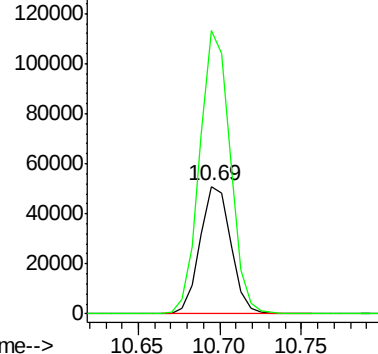


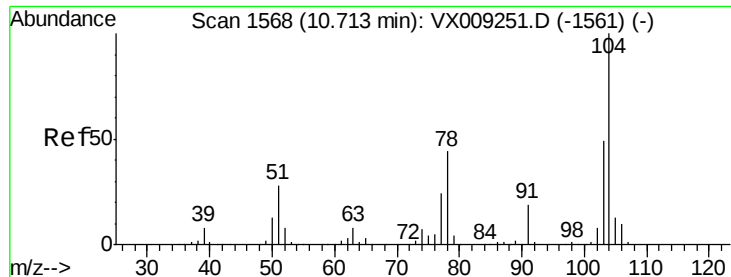
#68
o-Xylene
Concen: 20.562 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Tgt Ion:106 Resp: 67603
Ion Ratio Lower Upper
106 100
91 218.3 110.8 332.3



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





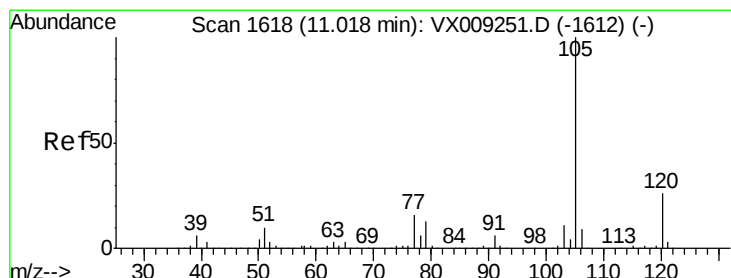
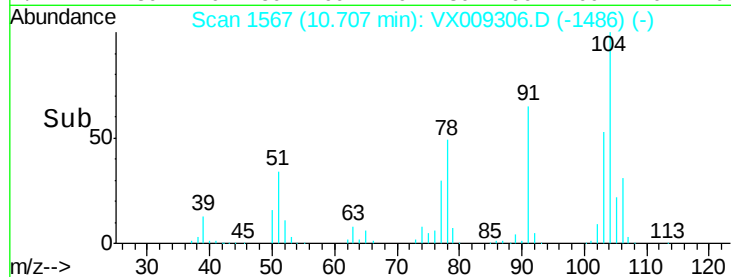
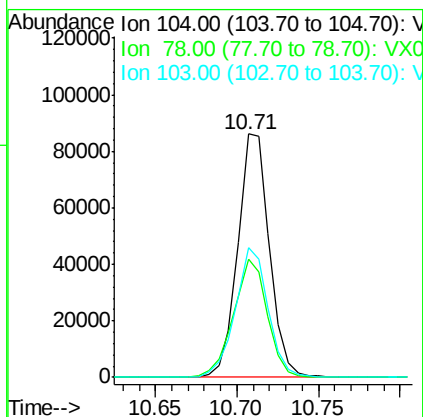
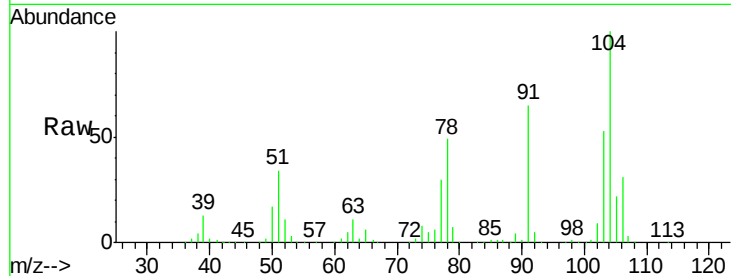
#69
Stvrene
Concen: 20.219 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	116698		
78	52.0		41.1	61.7
103	55.2		43.8	65.8

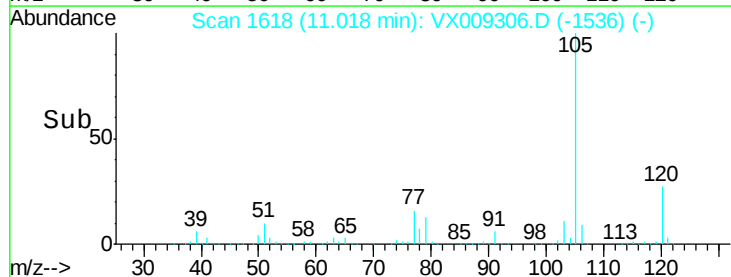
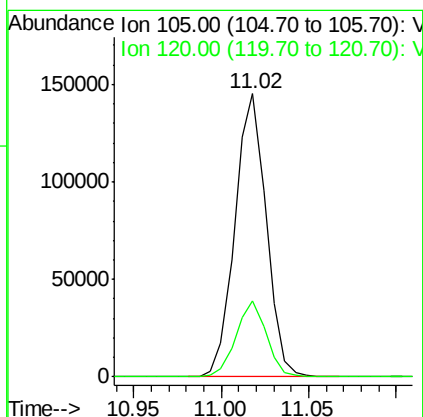
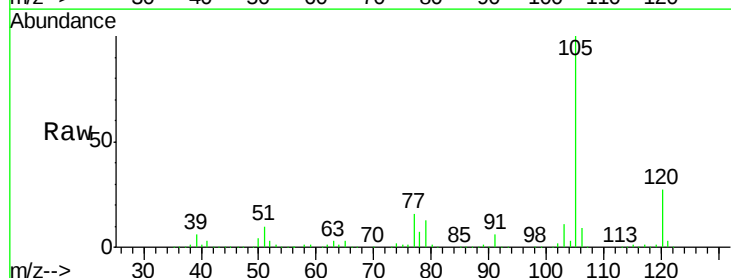
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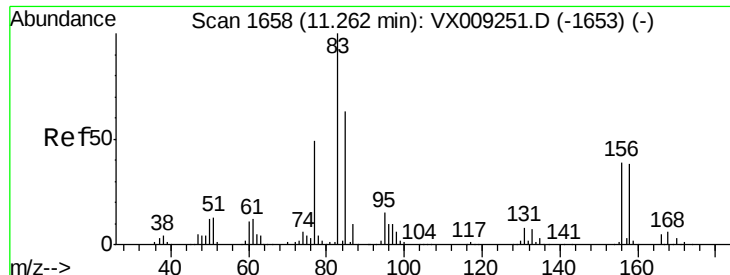
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#70
Isopropylbenzene
Concen: 20.372 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	180129		
120	26.0		18.1	33.7





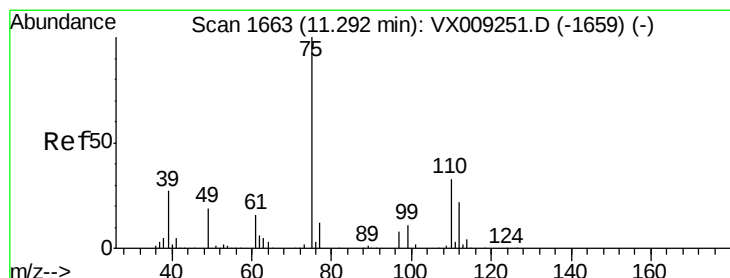
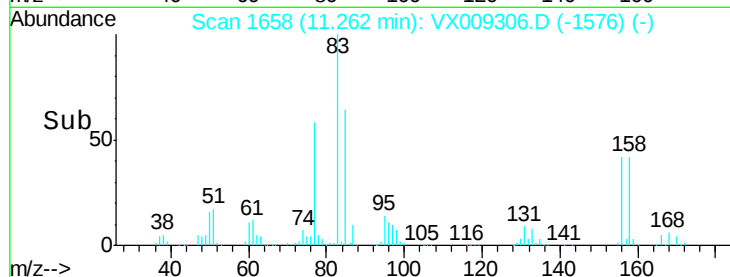
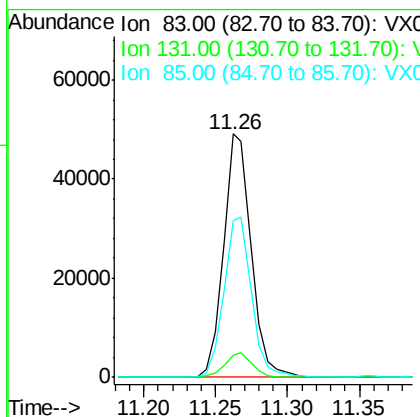
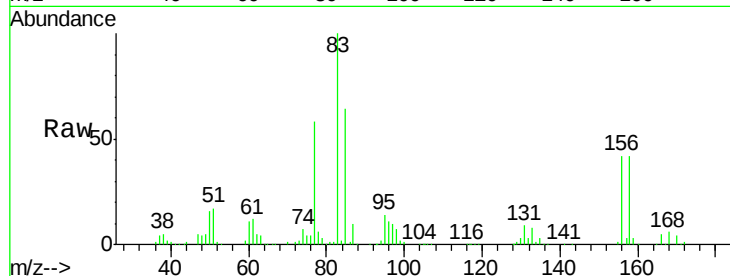
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.565 ug/l
 RT: 11.26 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.8	4.7	14.0	
85	66.0	32.4	97.2	

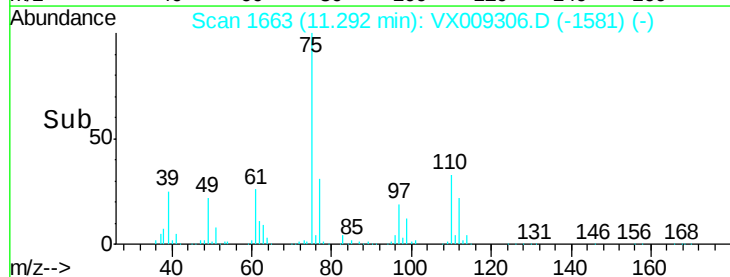
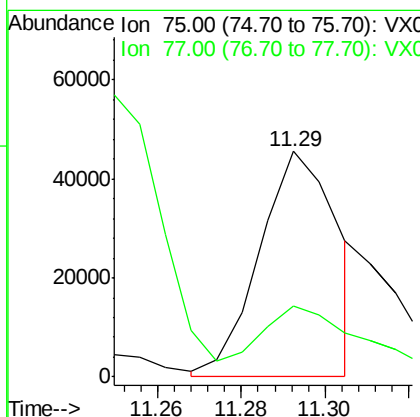
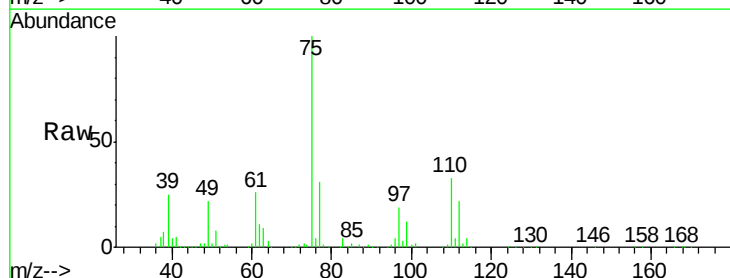
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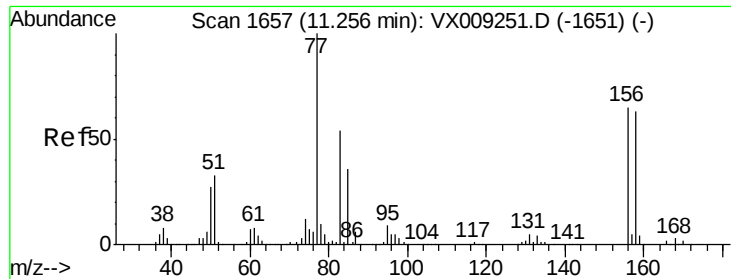
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#72
 1,2,3-Trichloropropane
 Concen: 21.024 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	41.9	0.0	86.4	





#73

Bromobenzene

Concen: 20.250 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

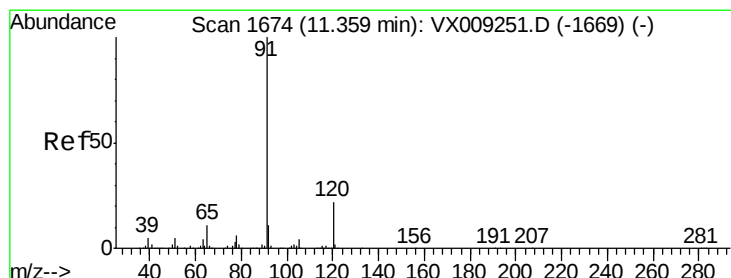
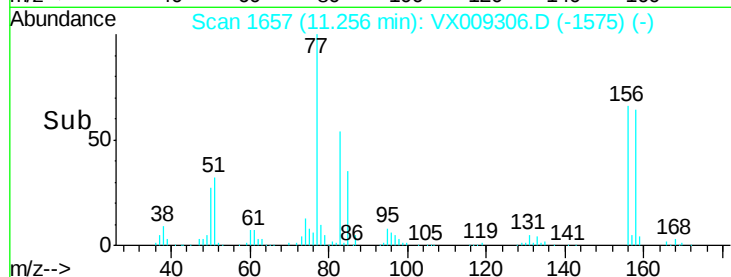
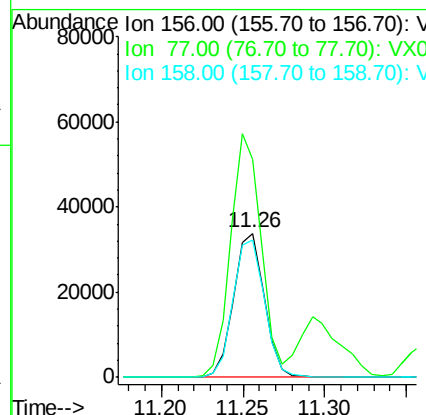
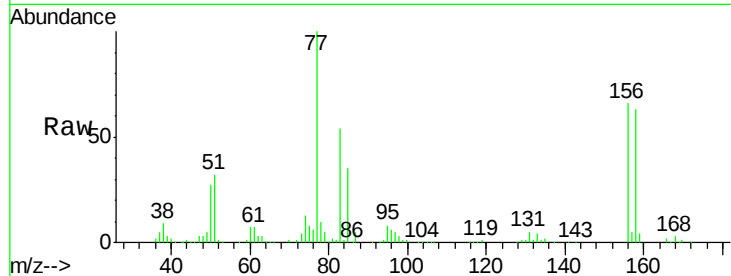
ClientSampleId :

VX0503WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	166.9	0.0	335.6		
158	98.3	0.0	191.2		

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#74

n-propylbenzene

Concen: 19.964 ug/l

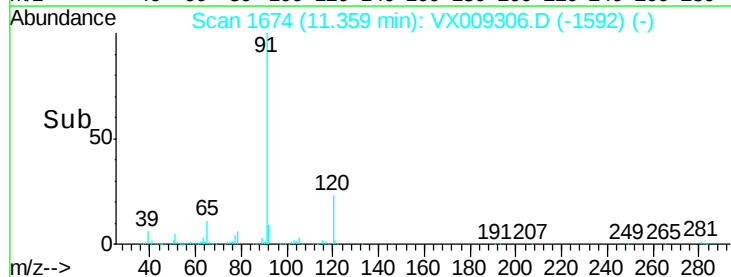
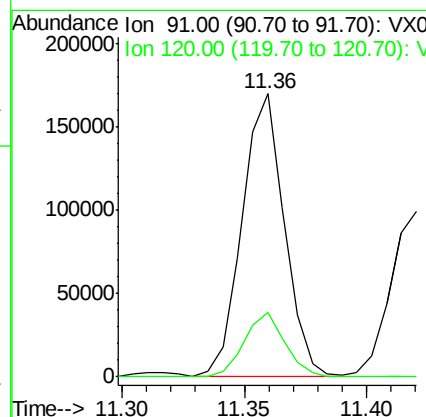
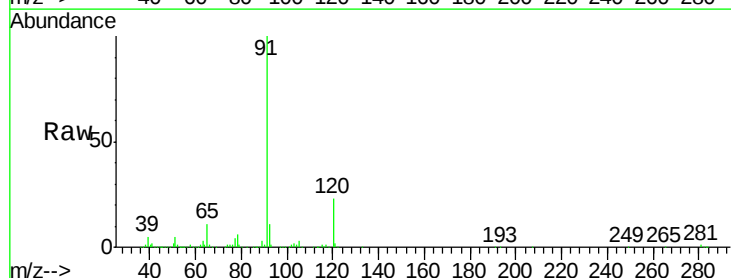
RT: 11.36 min Scan# 1674

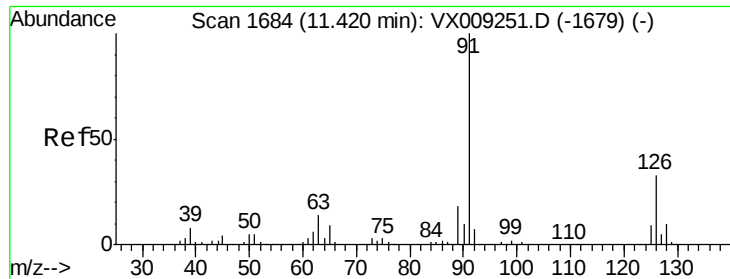
Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.9	0.0	43.4		





#75

2-Chlorotoluene

Concen: 20.470 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

ClientSampled :

VX0503WBSD01

Tot Ion: 91 Resp: 125805

Ion Ratio Lower Upper

91 100

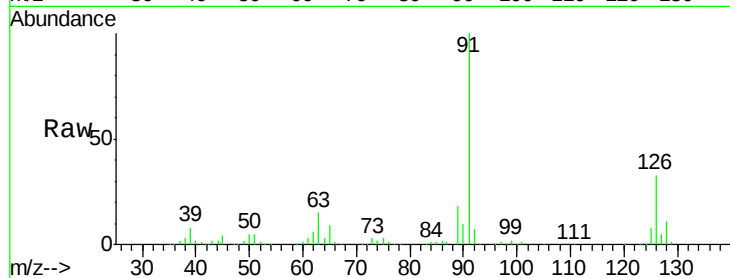
126 32.6 0.0 64.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX009306.D (-1602) (-)

Ion 126.00 (125.70 to 126.70): VX009306.D (-1602) (-)

200000

150000

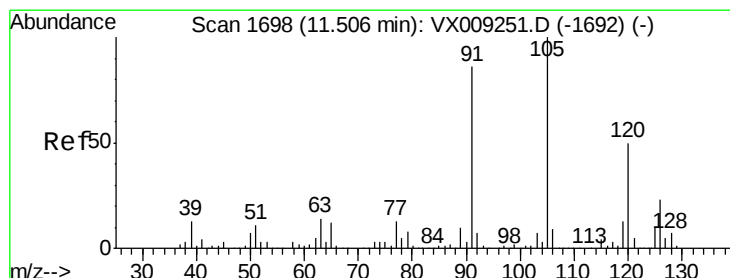
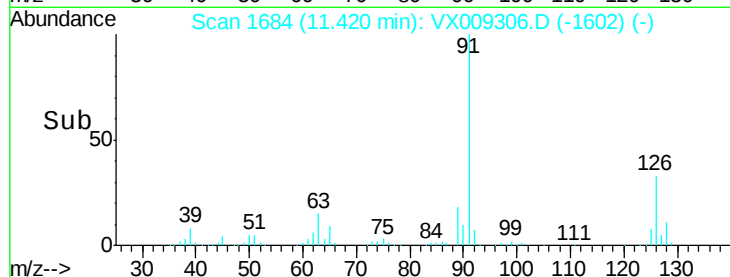
100000

50000

0

11.40 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.291 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009306.D

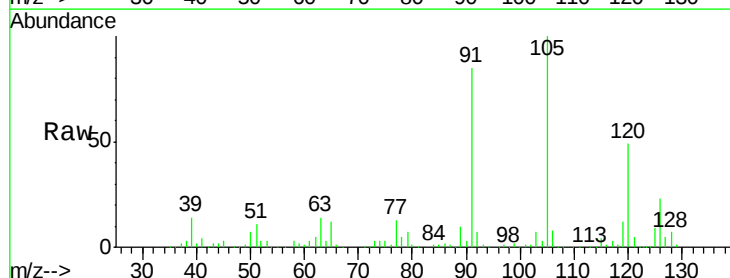
Acq: 03 May 2019 12:43

Tgt Ion: 105 Resp: 151982

Ion Ratio Lower Upper

105 100

120 48.6 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009306.D (-1616) (-)

Ion 120.00 (119.70 to 120.70): VX009306.D (-1616) (-)

150000

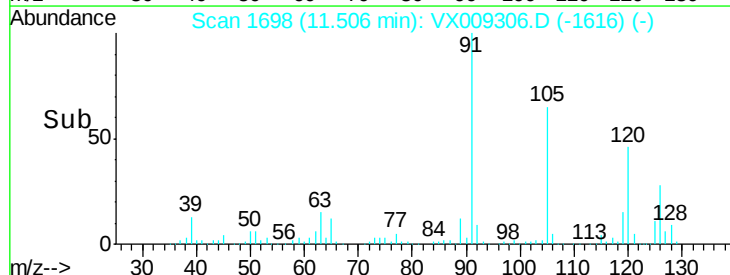
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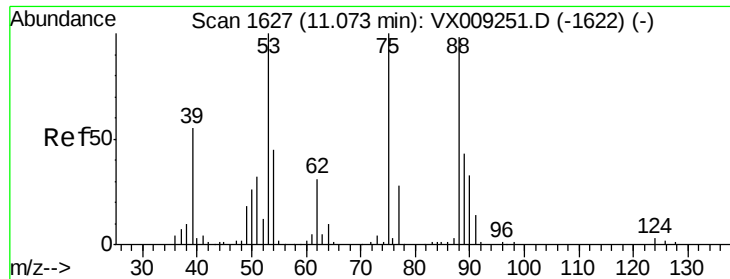
50000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.246 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

ClientSampled :

VX0503WBSD01

Tot Ion: 75 Resp: 20539

Ion Ratio Lower Upper

75 100

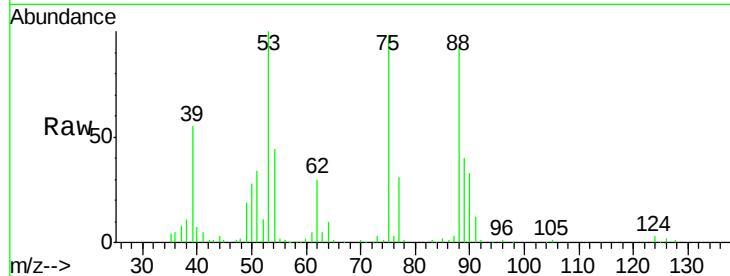
53 101.9 50.0 149.8

89 41.3 21.6 65.0

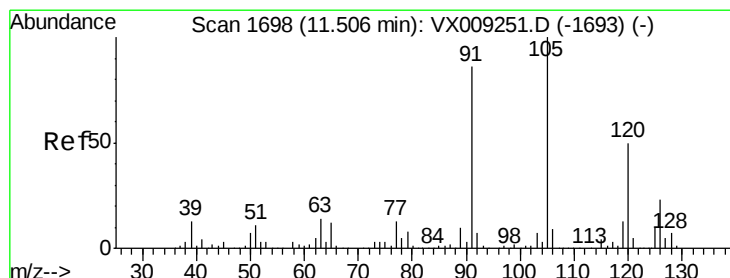
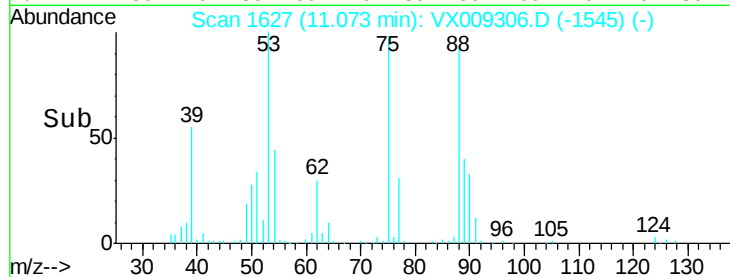
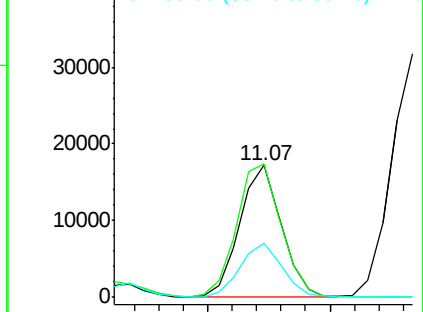
Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 20.190 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009306.D

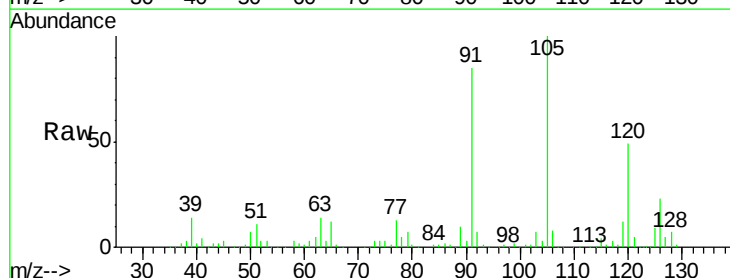
Acq: 03 May 2019 12:43

Tgt Ion: 91 Resp: 140933

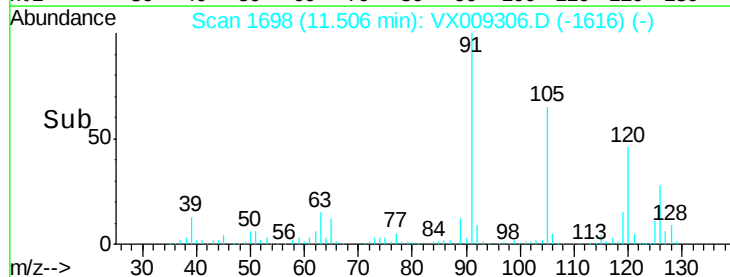
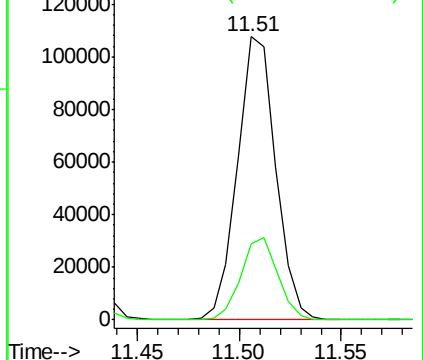
Ion Ratio Lower Upper

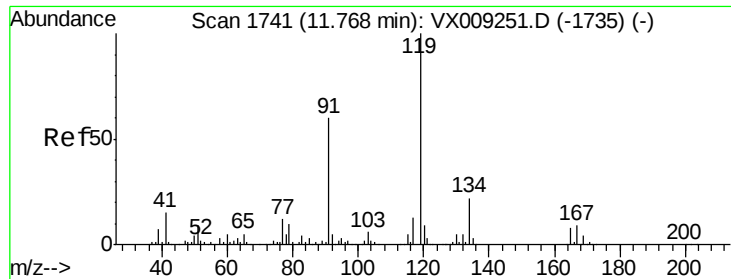
91 100

126 28.2 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V





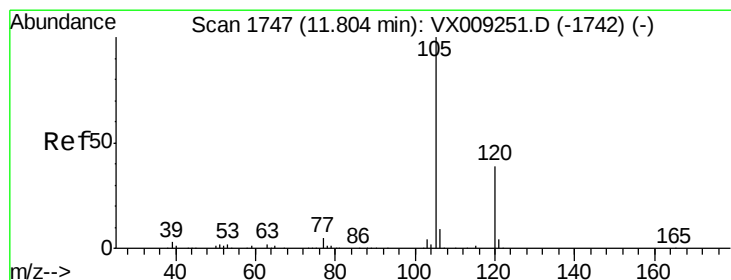
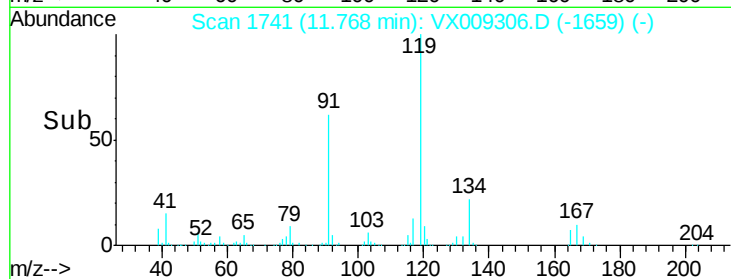
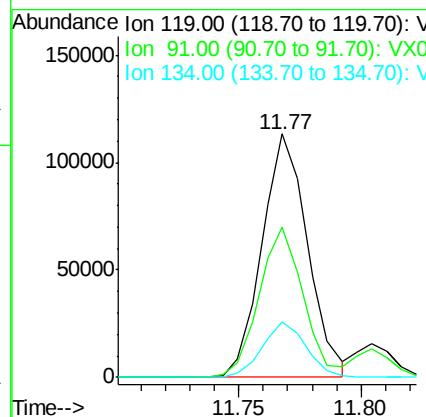
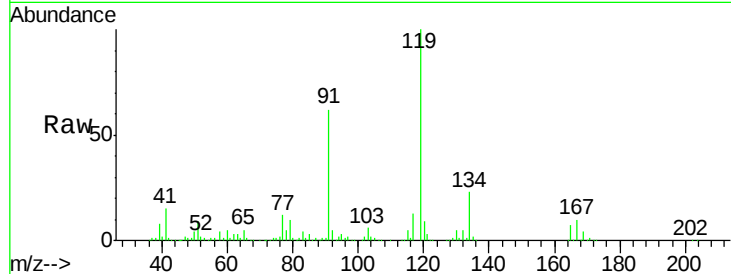
#79
tert-butylbenzene
Concen: 20.250 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	146624		
91	59.9	0.0	118.2	
134	21.9	0.0	45.0	

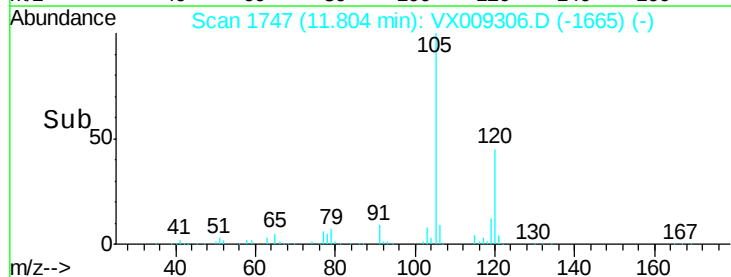
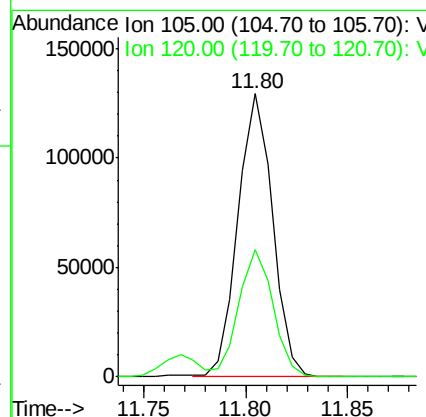
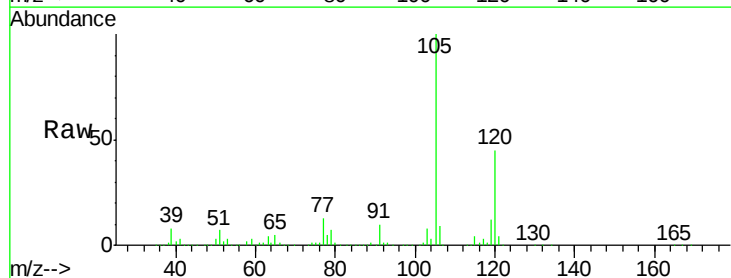
Manual Integrations
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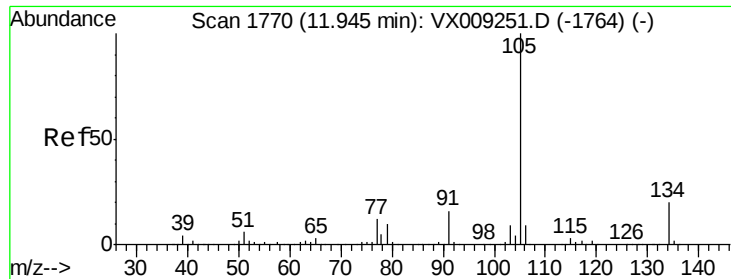
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5/6/2019 9:28:39 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.199 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	151635		
120	45.1	0.0	89.6	





#81

sec-Butylbenzene

Concen: 20.045 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD01

Tot Ion:105 Resp: 172438

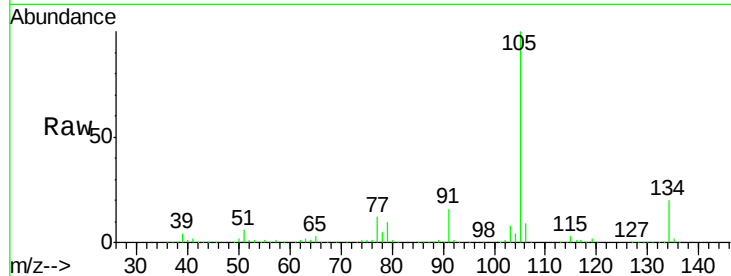
Ion Ratio Lower Upper

105 100

134 19.3 0.0 38.6

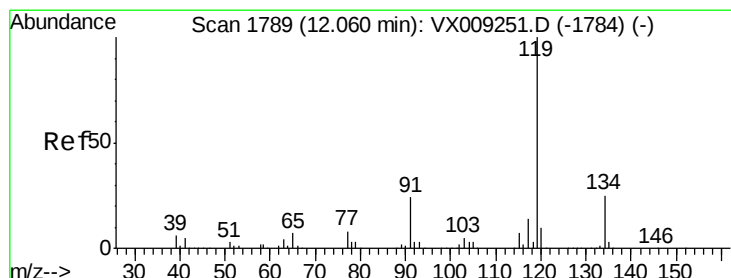
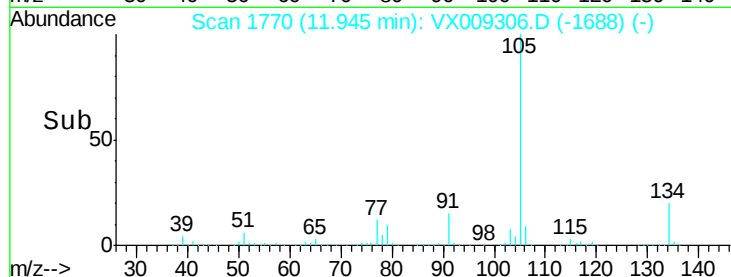
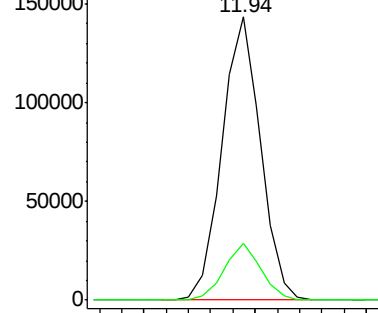
Manual Integrations
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5/6/2019 9:28:39 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.816 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

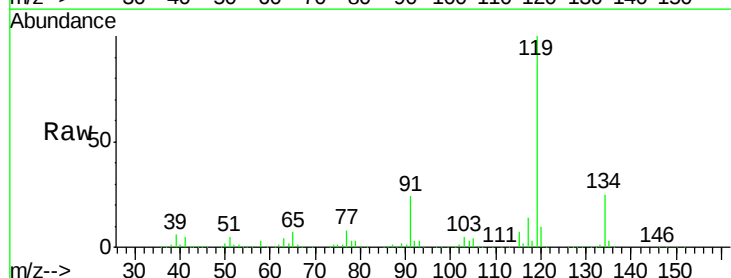
Tgt Ion:119 Resp: 155065

Ion Ratio Lower Upper

119 100

134 25.3 0.0 50.8

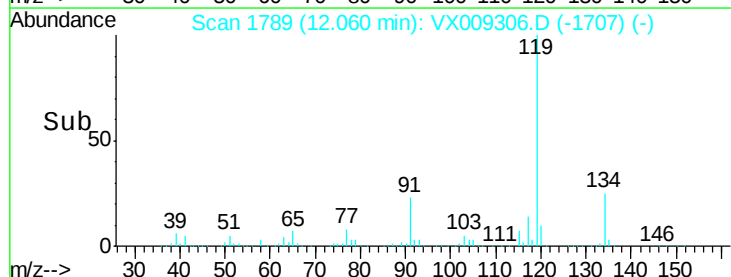
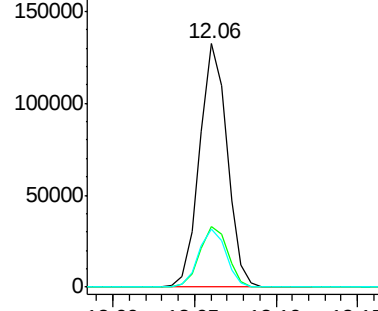
91 23.8 0.0 47.2

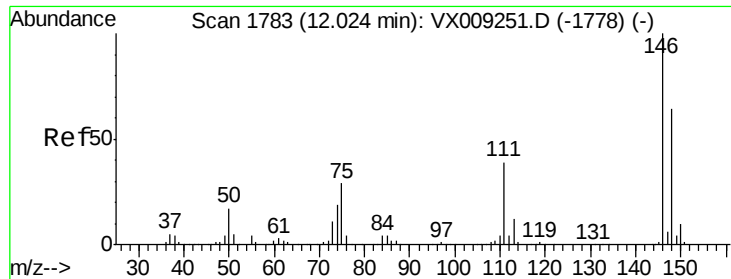


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





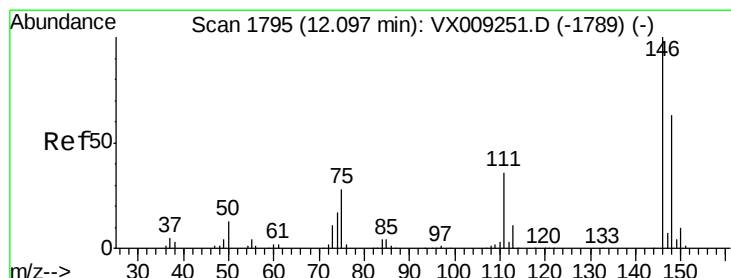
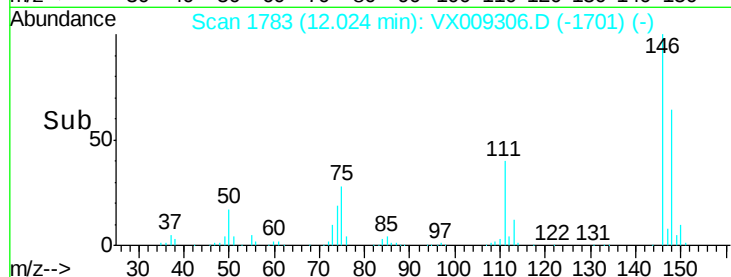
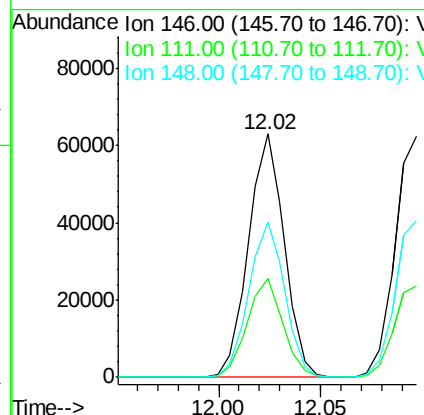
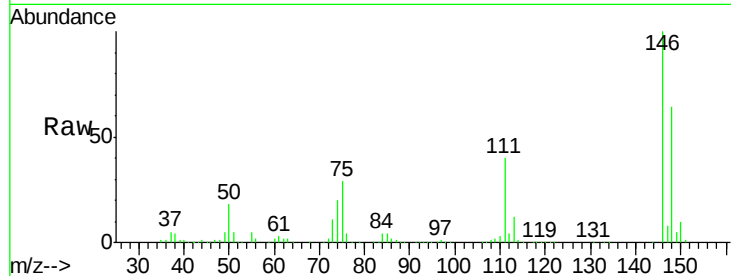
#83
 1,3-Dichlorobenzene
 Concen: 19.718 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Instrument :
 MSVOA_X
 ClientSampled :
 VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	60.0
148	63.5	32.2	96.6

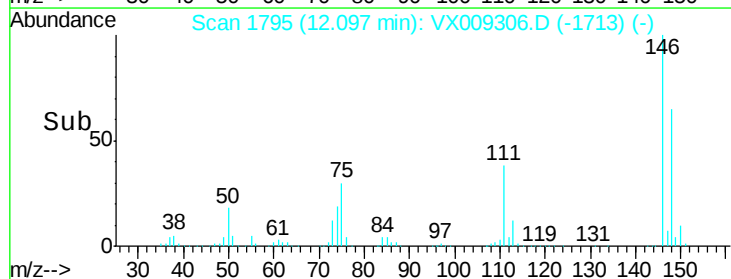
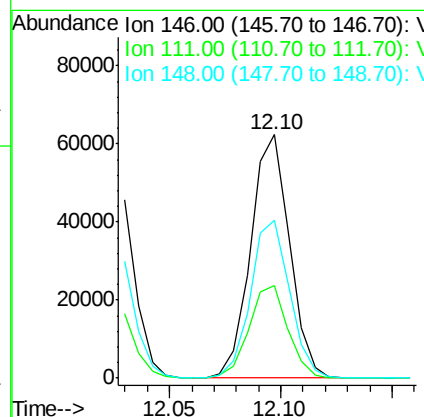
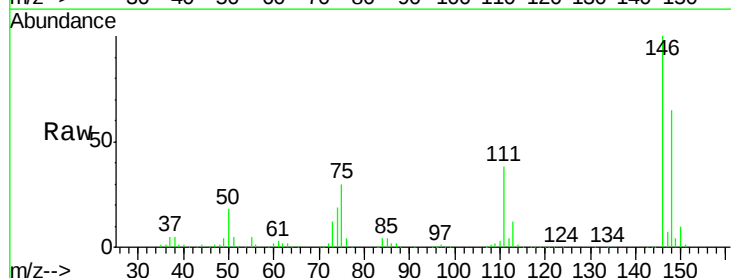
Manual Integrations
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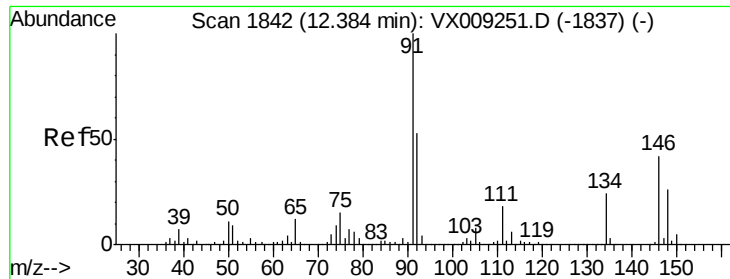
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 5/6/2019 9:28:39 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.642 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.6	58.7
148	65.0	32.3	96.8





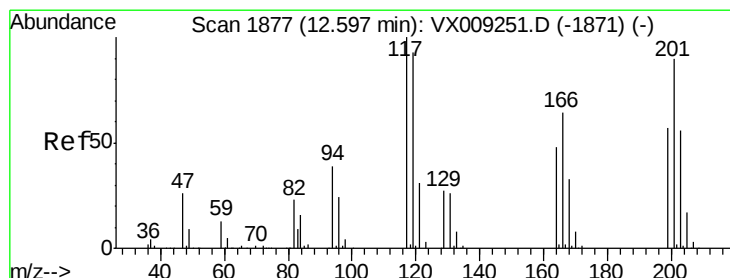
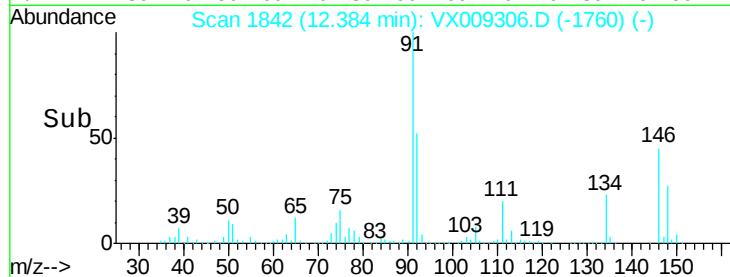
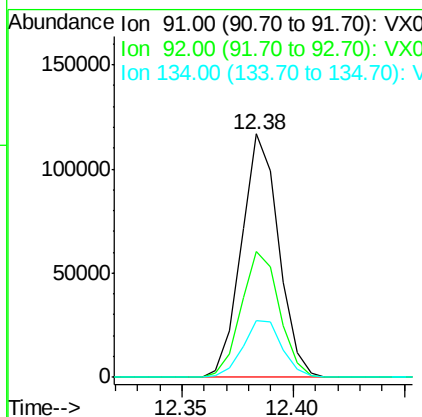
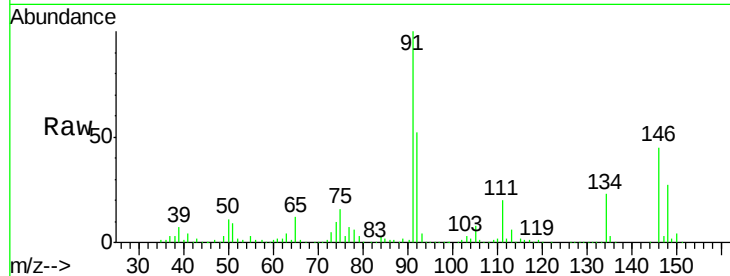
#85
n-Butylbenzene
Concen: 19.047 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	136384		
92	53.0	0.0	106.6	
134	24.6	0.0	50.0	

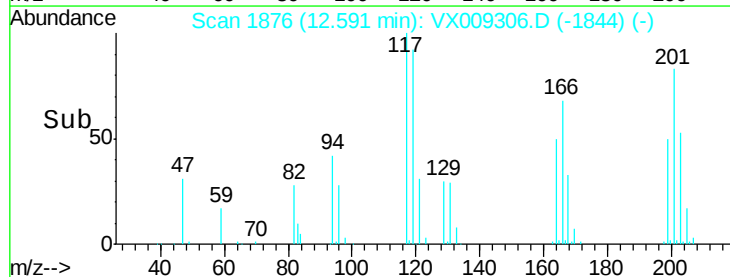
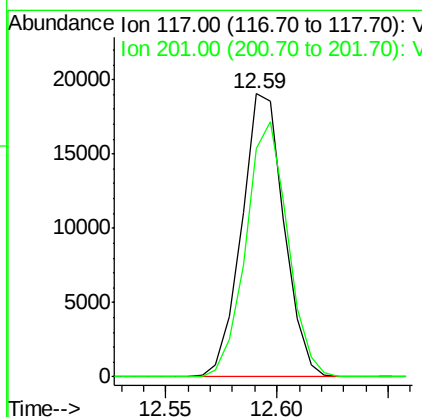
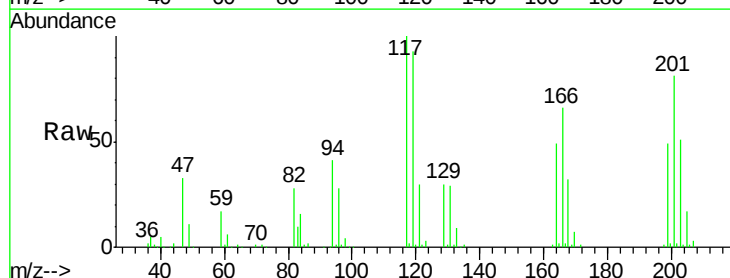
Manual Integrations
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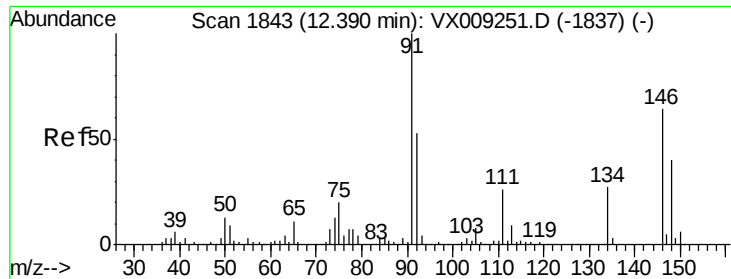
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#86
Hexachloroethane
Concen: 18.975 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009306.D
Acq: 03 May 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	25267		
201	88.3	41.8	125.4	





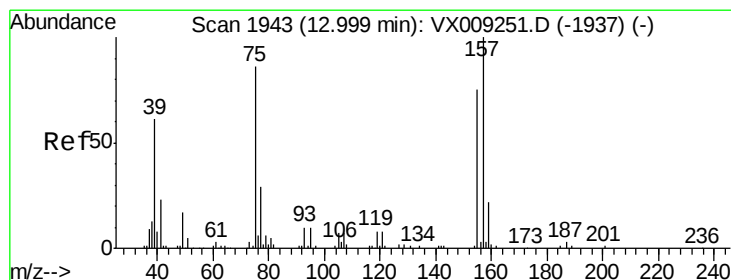
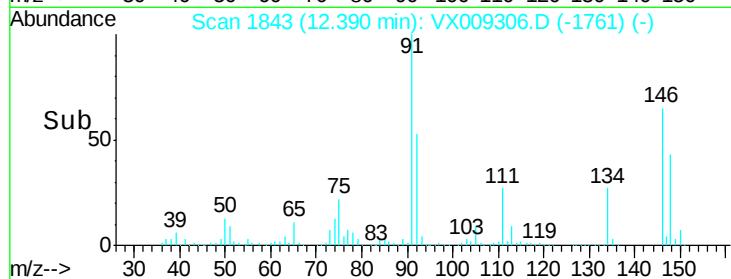
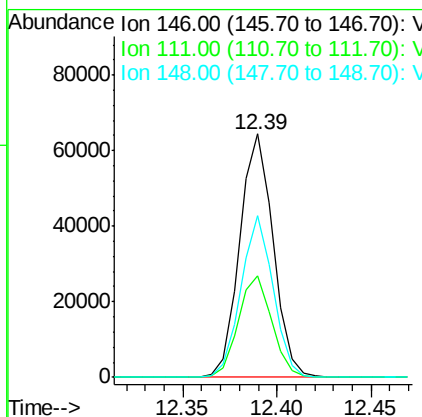
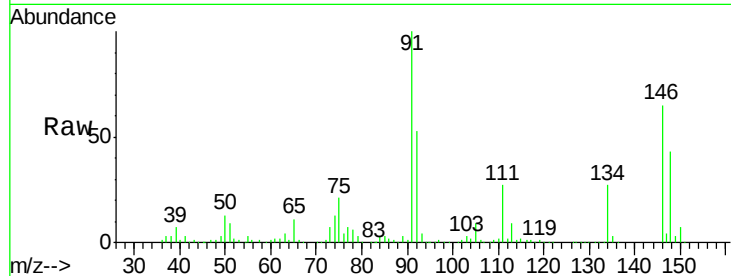
#87
 1,2-Dichlorobenzene
 Concen: 20.158 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Instrument :
 MSVOA_X
 ClientSampled :
 VX0503WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.2
148	64.1	31.4	94.3

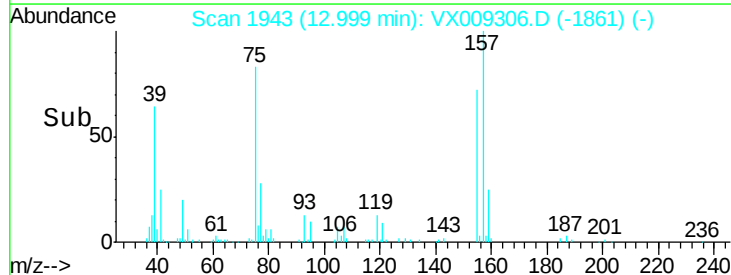
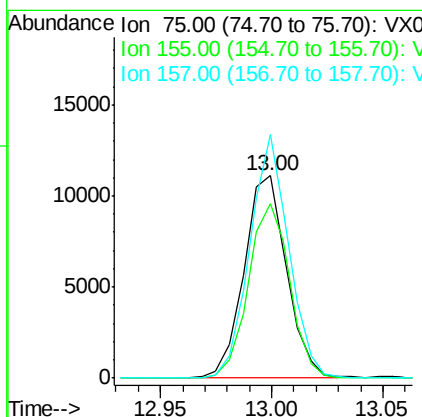
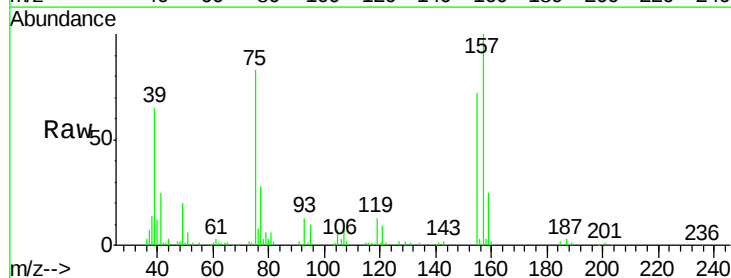
Manual Integrations
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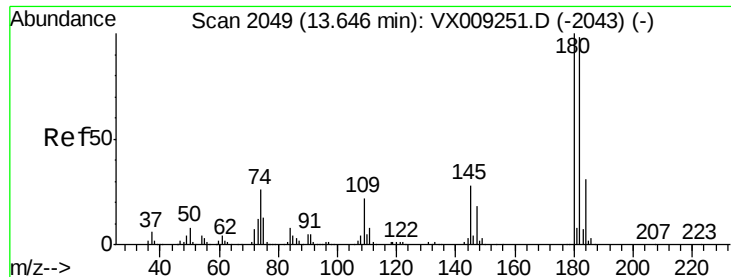
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.734 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	65.9	98.9
157	109.5	85.2	127.8





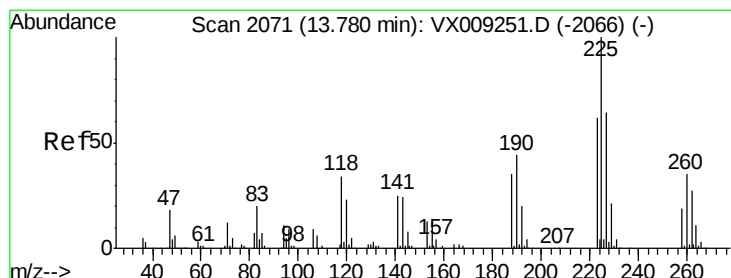
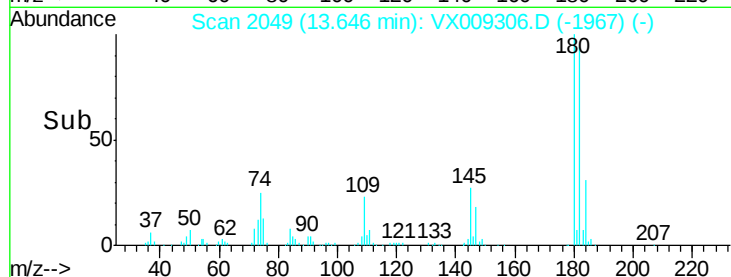
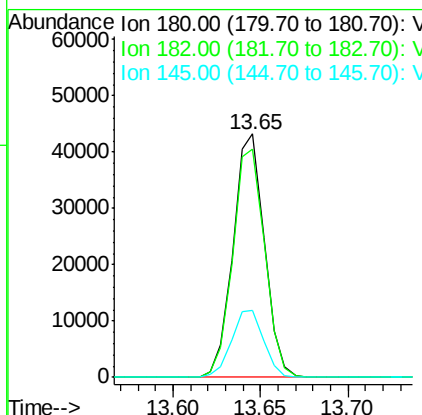
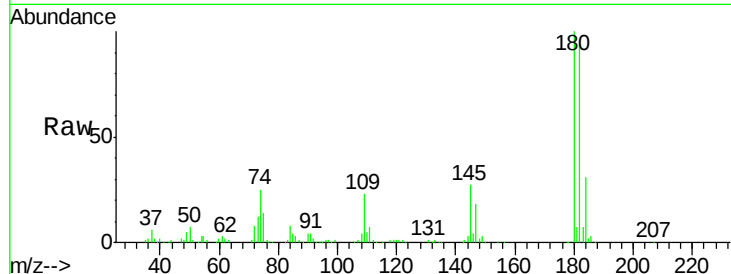
#89
 1,2,4-Trichlorobenzene
 Concen: 19.219 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	53798		
182	95.9	76.9	115.3	
145	28.3	23.0	34.6	

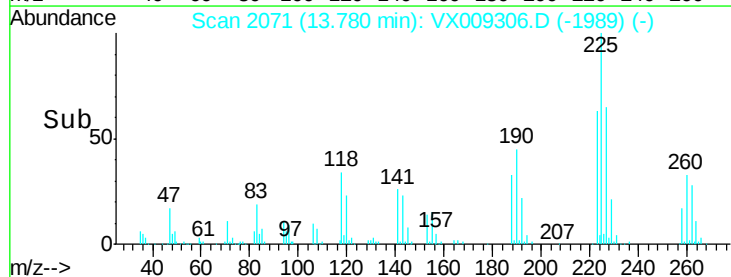
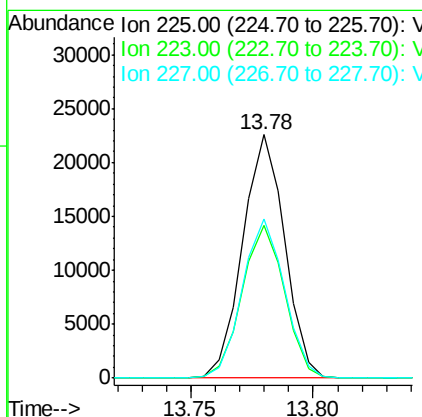
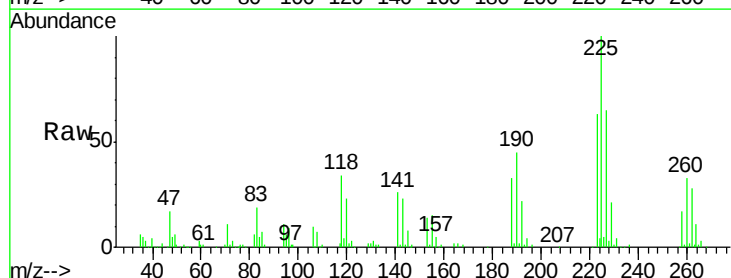
Manual Integrations
 APPROVED

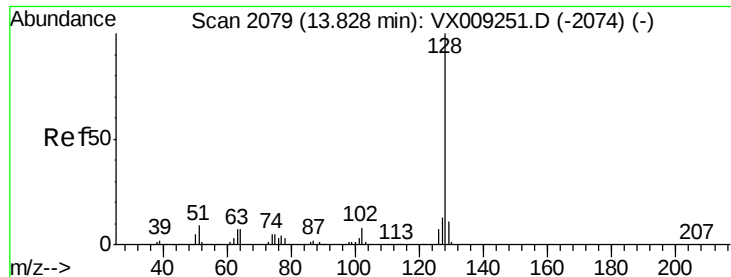
MMDadoda
 5/6/2019 9:28:39 AM



#90
 Hexachlorobutadiene
 Concen: 19.301 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009306.D
 Acq: 03 May 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26988		
223	63.4	0.0	126.6	
227	65.3	0.0	130.0	





#91

Naphthalene

Concen: 20.500 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Instrument :

MSVOA_X

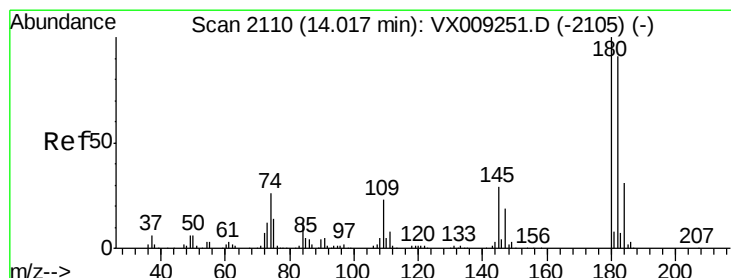
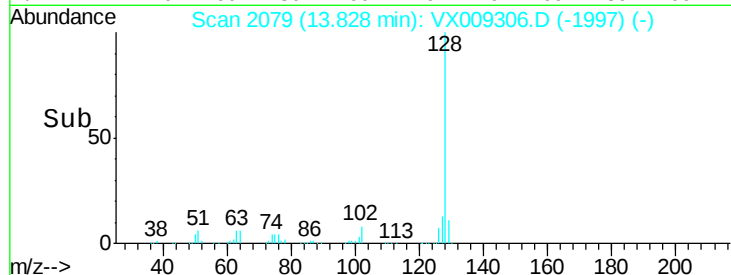
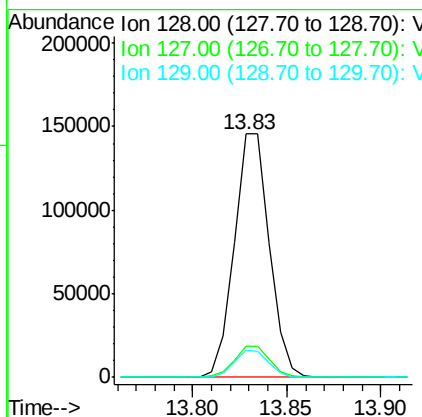
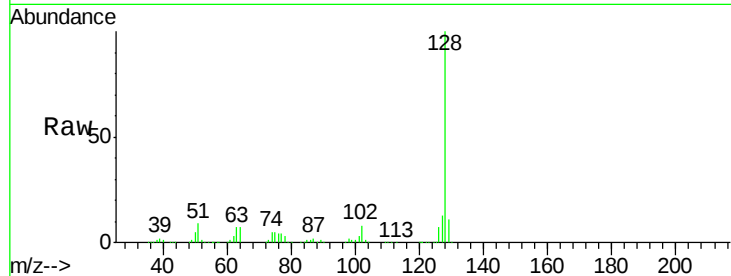
ClientSampleId :

VX0503WBSD01

Tot Ion:	128	Resp:	187887
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:28:39 AM



#92

1,2,3-Trichlorobenzene

Concen: 20.228 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009306.D

Acq: 03 May 2019 12:43

Tgt Ion:	180	Resp:	57560
Ion Ratio	Lower	Upper	
180	100		
182	96.4	0.0	189.0
145	30.2	0.0	61.6

