

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009322.D
 Acq On : 03 May 2019 20:10
 Operator : JC/SP
 Sample : VX0503WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 9:26:30 AM

Quant Time: May 04 00:17:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	171515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	276823	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118521	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	117647	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
35) Dibromofluoromethane	5.49	113	86533	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	8.71	98	348607	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
62) 4-Bromofluorobenzene	11.13	95	124815	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	29060	18.386	ug/l	97
3) Chloromethane	1.32	50	40492	18.765	ug/l	99
4) Vinyl Chloride	1.40	62	40406	19.203	ug/l	98
5) Bromomethane	1.64	94	22171	17.555	ug/l	99
6) Chloroethane	1.72	64	26553	19.655	ug/l	99
7) Trichlorofluoromethane	1.93	101	49840	19.486	ug/l	100
8) Diethyl Ether	2.19	74	23629	19.503	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	30951	19.270	ug/l	99
10) Methyl Iodide	2.51	142	27097	17.780	ug/l	100
11) Tert butyl alcohol	3.04	59	53936	99.518	ug/l	98
12) 1,1-Dichloroethene	2.37	96	30818	19.150	ug/l	96
13) Acrolein	2.29	56	37352	76.100	ug/l	100
14) Allyl chloride	2.73	41	72606	18.513	ug/l	98
15) Acrylonitrile	3.14	53	131681	99.370	ug/l	99
16) Acetone	2.44	43	115804	92.110	ug/l	99
17) Carbon Disulfide	2.57	76	78862	17.454	ug/l	99
18) Methyl Acetate	2.77	43	60031	20.078	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	122909	19.668	ug/l	100
20) Methylene Chloride	2.85	84	37892	18.614	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	32698	18.735	ug/l	96
22) Diisopropyl ether	3.85	45	150792	19.993	ug/l	96
23) Vinyl Acetate	3.81	43	650647	100.743	ug/l	100
24) 1,1-Dichloroethane	3.70	63	72040	19.362	ug/l	99
25) 2-Butanone	4.67	43	194393	99.500	ug/l	99
26) 2,2-Dichloropropane	4.59	77	46772	16.889	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	40359	19.373	ug/l	98
28) Bromochloromethane	5.01	49	32470	20.037	ug/l	100
29) Tetrahydrofuran	5.13	42	128171	101.950	ug/l	100
30) Chloroform	5.21	83	65147	19.359	ug/l	98
31) Cyclohexane	5.58	56	65227	18.843	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	53084	18.950	ug/l	98
36) 1,1-Dichloropropene	5.80	75	48808	18.973	ug/l	99
37) Ethyl Acetate	4.84	43	72734	20.292	ug/l	99
38) Carbon Tetrachloride	5.78	117	44365	18.981	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	57660	18.251	ug/l	99
40) Benzene	6.14	78	153794	19.317	ug/l	97
41) Methacrylonitrile	5.04	41	42310	19.830	ug/l	99
42) 1,2-Dichloroethane	6.19	62	56093	19.641	ug/l	99
43) Isopropyl Acetate	6.44	43	112595	19.639	ug/l	99
44) Trichloroethene	7.21	130	35786	18.593	ug/l	99
45) 1,2-Dichloropropane	7.51	63	45133	20.020	ug/l	93
46) Dibromomethane	7.66	93	24715	18.879	ug/l	98
47) Bromodichloromethane	7.90	83	49670	19.020	ug/l	97
48) Methyl methacrylate	7.77	41	57230	20.120	ug/l	99
49) 1,4-Dioxane	7.74	88	23290	403.745	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	378646	101.042	ug/l	99
52) Toluene	8.79	92	92472	19.107	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	54149	18.366	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	61620	18.883	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	38918	19.711	ug/l	96
56) Ethyl methacrylate	9.18	69	68605	19.465	ug/l	99
57) 1,3-Dichloropropane	9.37	76	68173	19.621	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	181117	96.868	ug/l	99
59) 2-Hexanone	9.49	43	292655	99.435	ug/l	99
60) Dibromochloromethane	9.58	129	36139	18.740	ug/l	97
61) 1,2-Dibromoethane	9.67	107	39140	19.638	ug/l	100
64) Tetrachloroethene	9.34	164	33550	19.694	ug/l	98
65) Chlorobenzene	10.14	112	96477	19.420	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	34998	19.431	ug/l	99
67) Ethyl Benzene	10.25	91	173569	18.984	ug/l	100
68) m/p-Xylenes	10.36	106	127704	38.221	ug/l	98
69) o-Xylene	10.70	106	63055	19.127	ug/l	100
70) Styrene	10.71	104	110147	19.224	ug/l	99
71) Bromoform	10.85	173	27511	18.796	ug/l #	99
73) Isopropylbenzene	11.02	105	169131	19.624	ug/l	100
74) N-amyl acetate	10.90	43	99662	19.834	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	63833	19.868	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	55632m	20.235	ug/l	
77) Bromobenzene	11.26	156	41581	19.438	ug/l	99
78) n-propylbenzene	11.36	91	189502	19.252	ug/l	99
79) 2-Chlorotoluene	11.42	91	116657	19.210	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	142805	19.678	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18830	17.524	ug/l	92
82) 4-Chlorotoluene	11.51	91	130845	19.073	ug/l	100
83) tert-Butylbenzene	11.77	119	135338	19.171	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	143307	19.674	ug/l	99
85) sec-Butylbenzene	11.94	105	162414	19.405	ug/l	100
86) p-Isopropyltoluene	12.06	119	146222	19.433	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	73455	19.262	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	72416	18.835	ug/l	97
89) n-Butylbenzene	12.38	91	128230	18.855	ug/l	99
90) Hexachloroethane	12.60	117	24049	18.761	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	74347	19.141	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15101	20.952	ug/l	94

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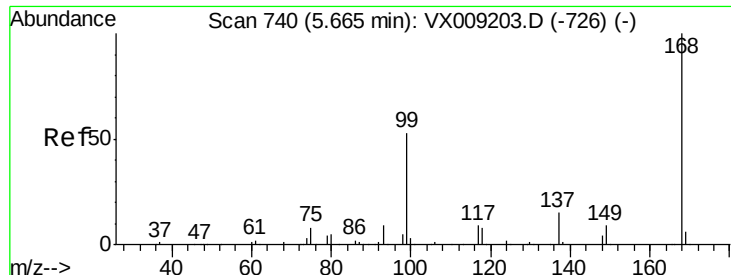
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	50936	19.177	ug/l	100
94) Hexachlorobutadiene	13.78	225	25302	18.654	ug/l	99
95) Naphthalene	13.83	128	176032	20.370	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	52383	19.455	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

Tot Ion:168 Resp: 171515

Ion Ratio Lower Upper

168 100

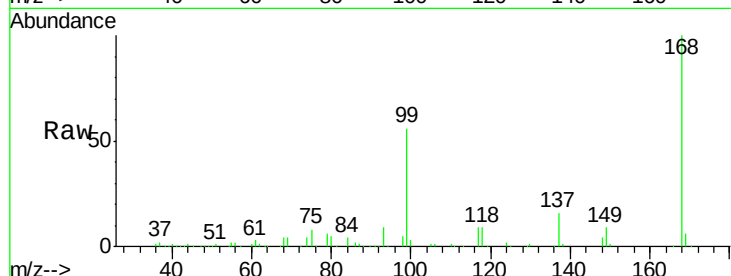
99 55.7 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

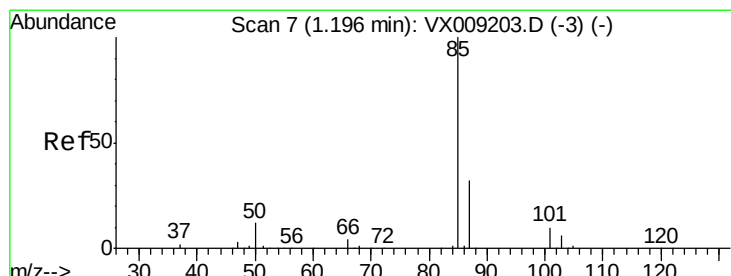
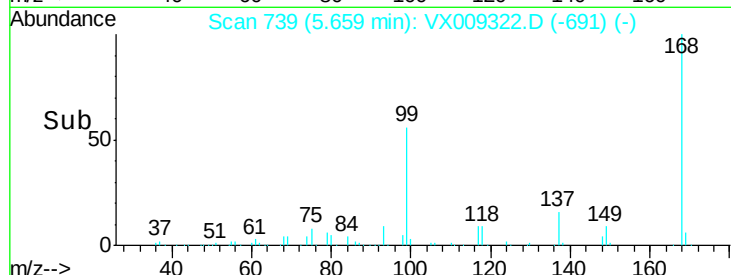
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.386 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009322.D

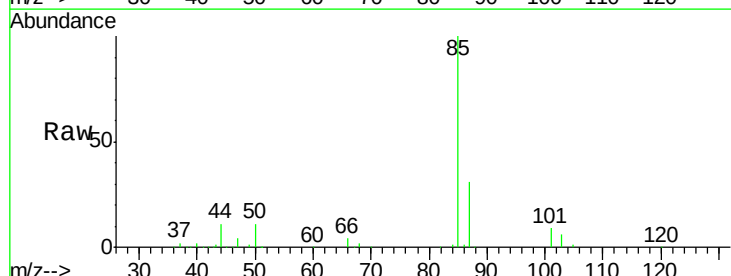
Acq: 03 May 2019 20:10

Tgt Ion: 85 Resp: 29060

Ion Ratio Lower Upper

85 100

87 30.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

25000

20000

15000

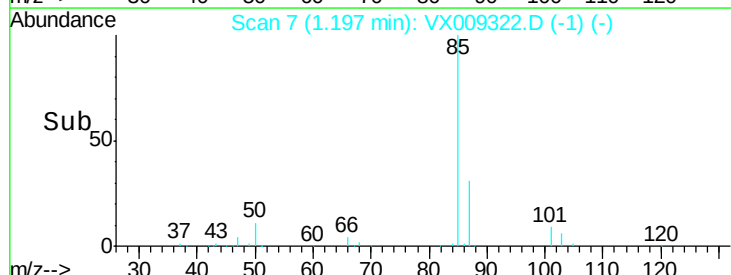
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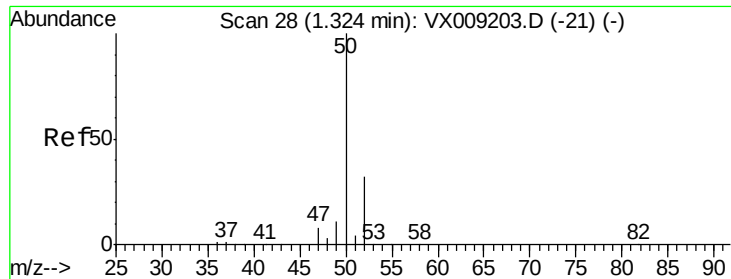
5000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.765 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

Tot Ion: 50 Resp: 40492

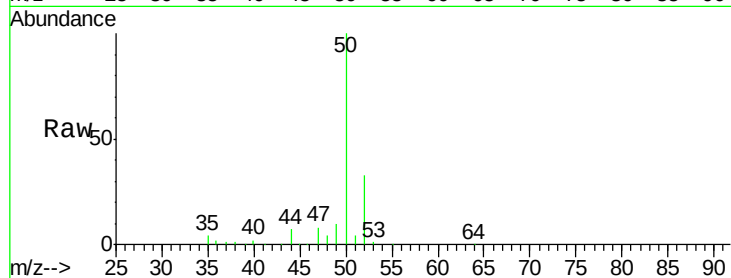
Ion Ratio Lower Upper

50 100

52 33.2 25.9 38.9

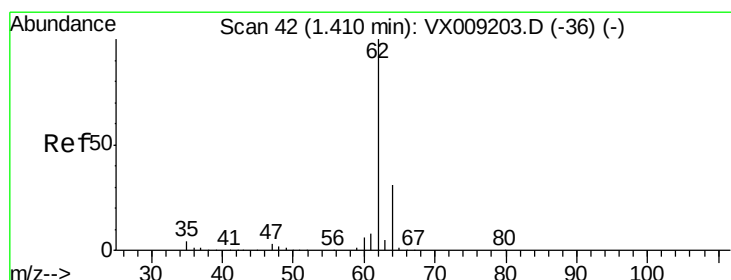
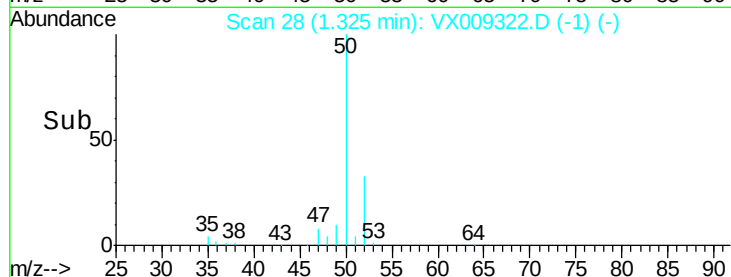
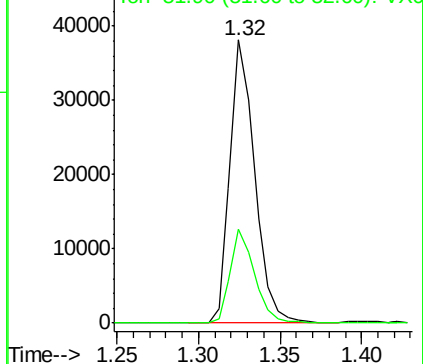
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.203 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009322.D

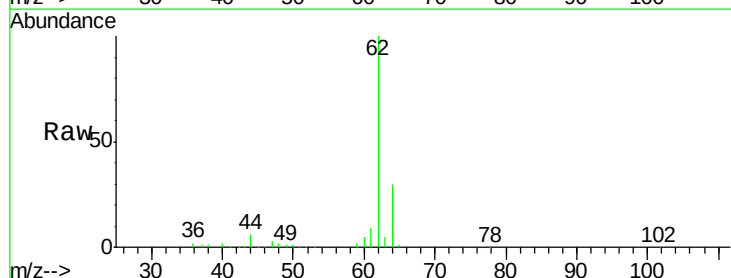
Acq: 03 May 2019 20:10

Tgt Ion: 62 Resp: 40406

Ion Ratio Lower Upper

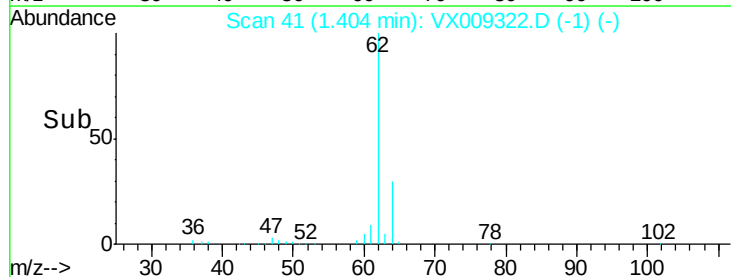
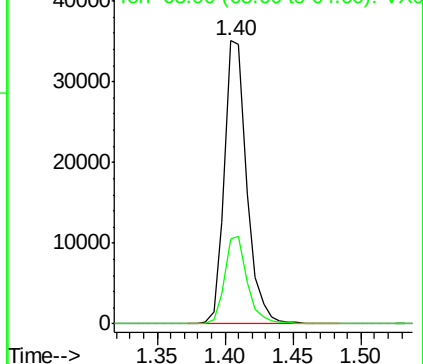
62 100

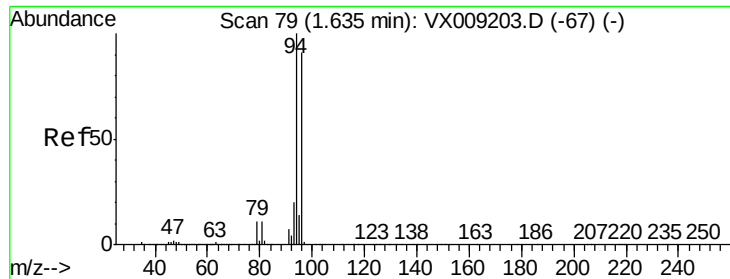
64 29.8 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.555 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

Tot Ion: 94 Resp: 22171

Ion Ratio Lower Upper

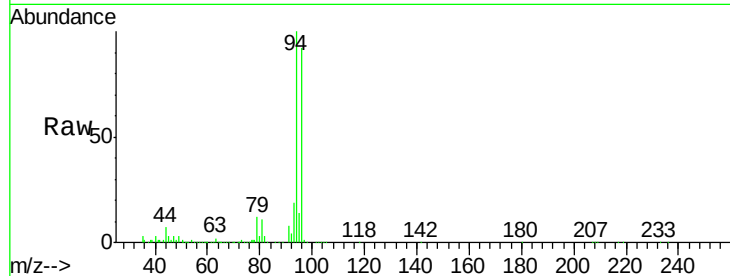
94 100

96 91.8 73.0 109.6

Manual Integrations
APPROVED

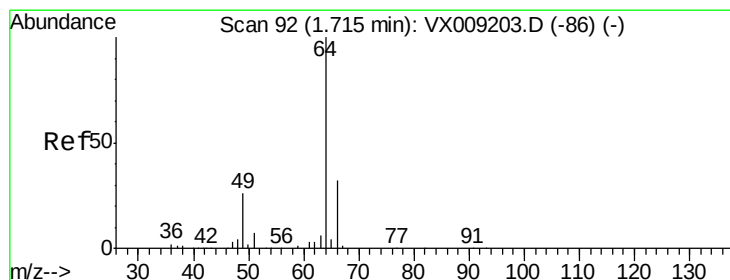
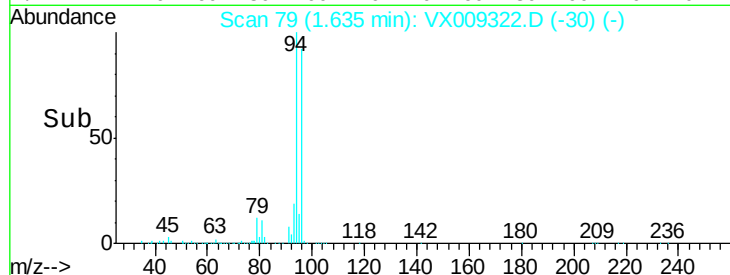
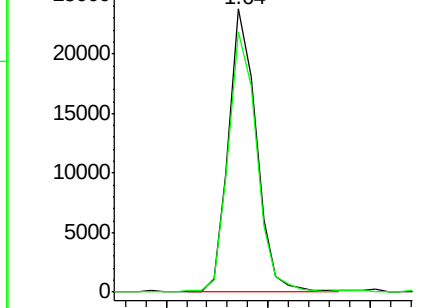
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.655 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009322.D

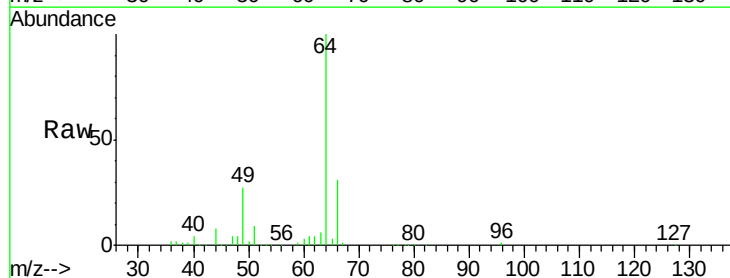
Acq: 03 May 2019 20:10

Tgt Ion: 64 Resp: 26553

Ion Ratio Lower Upper

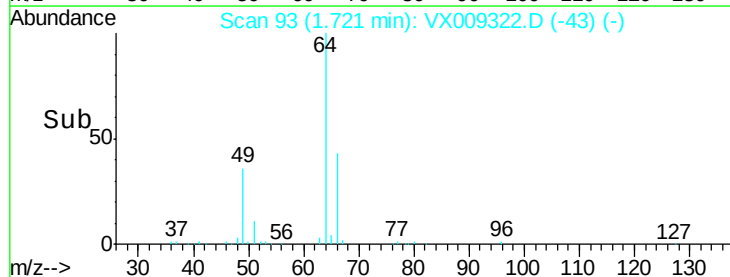
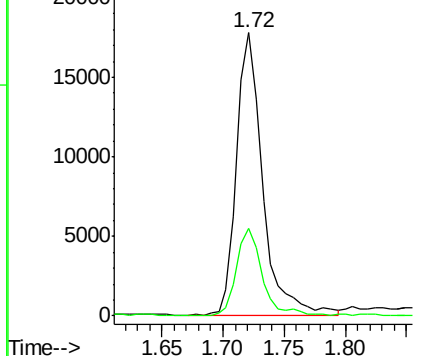
64 100

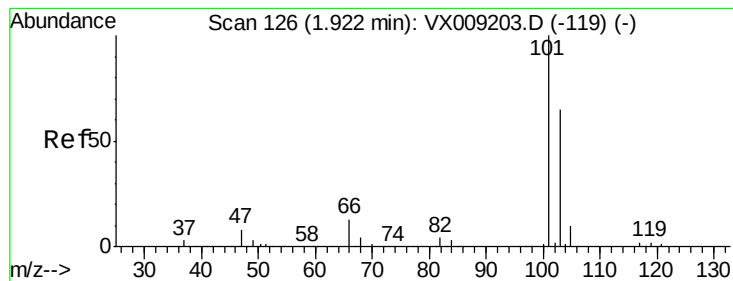
66 31.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

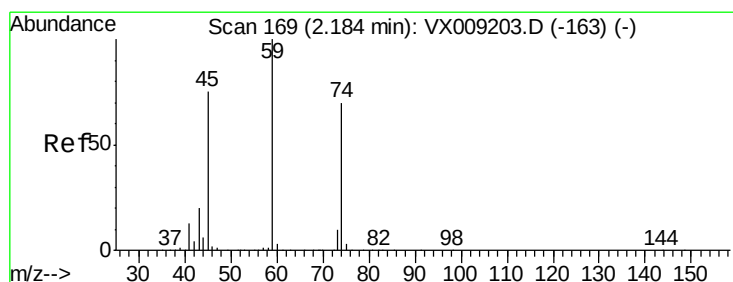
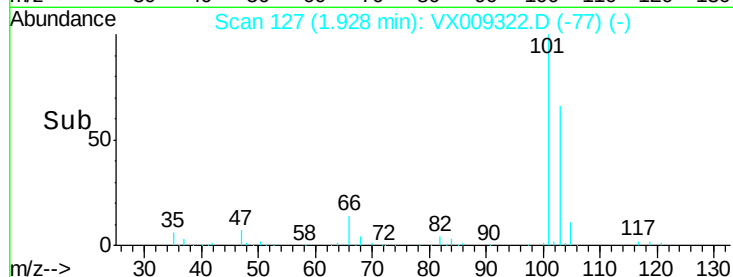
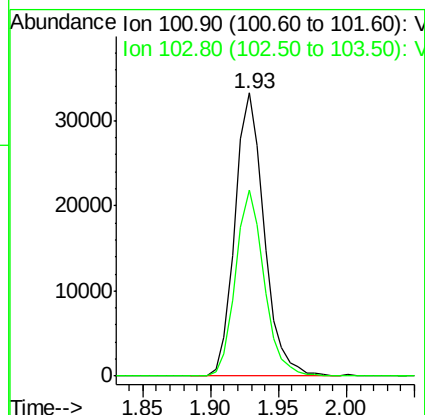
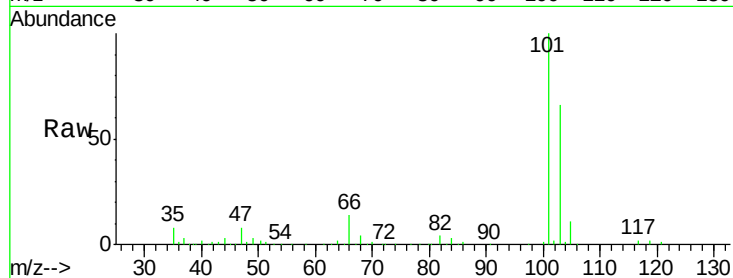
Trichlorofluoromethane
 Concen: 19.486 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Instrument :
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 ClientSampleId :
 VX0503WBSD02

Tot Ion:101 Resp: 49840
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.4 78.6

Manual Integrations
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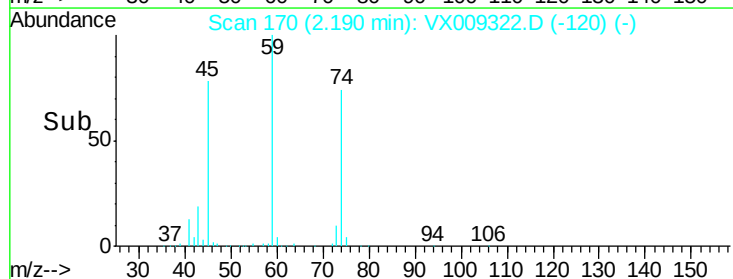
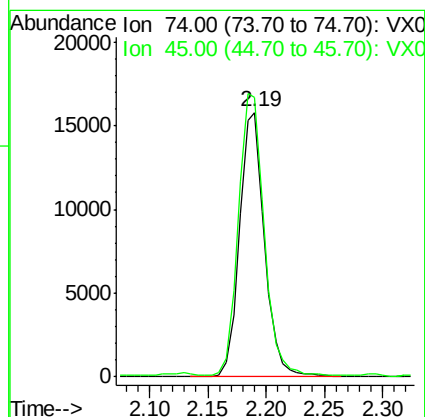
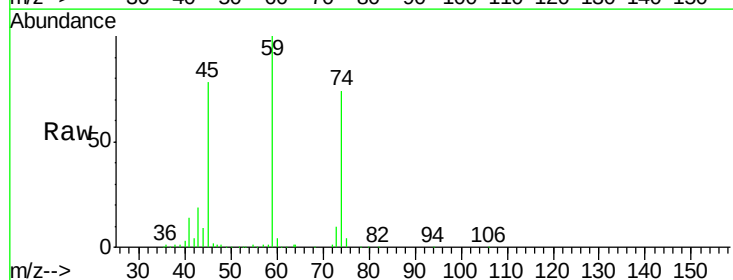
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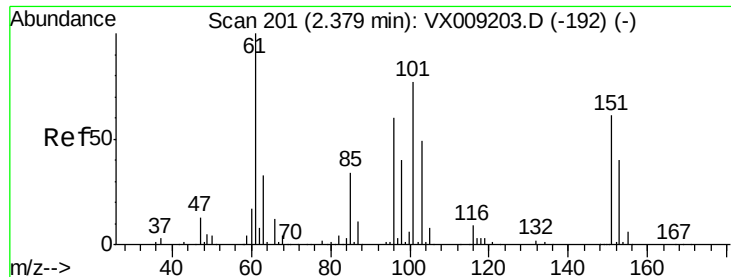


#8

Diethyl Ether
 Concen: 19.503 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Tgt Ion: 74 Resp: 23629
 Ion Ratio Lower Upper
 74 100
 45 108.9 53.3 159.9





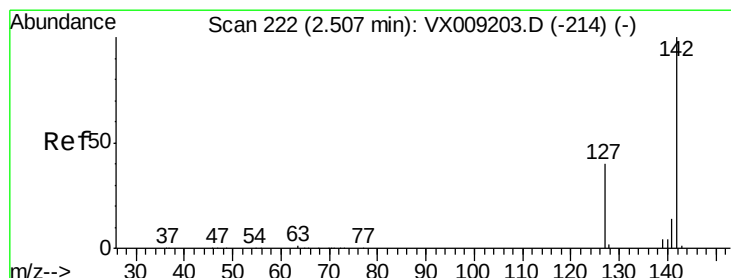
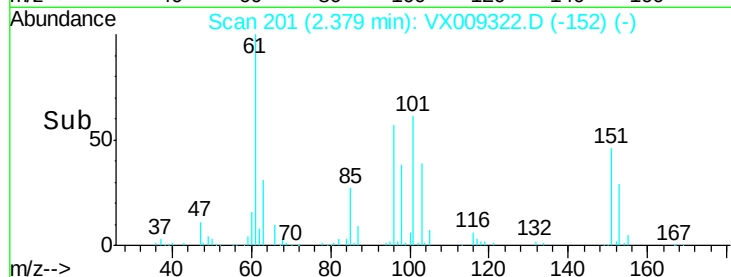
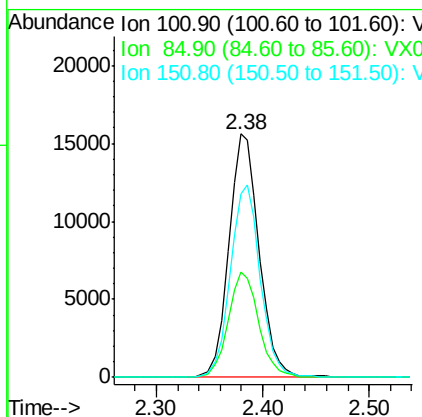
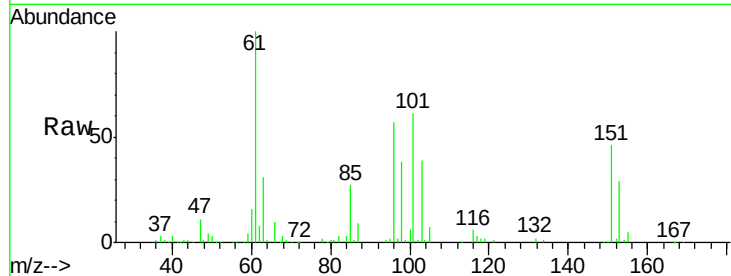
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.270 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	30951		
85	43.5		35.7	53.5
151	78.6		62.2	93.2

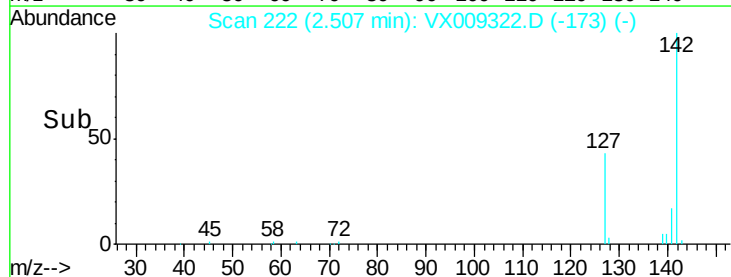
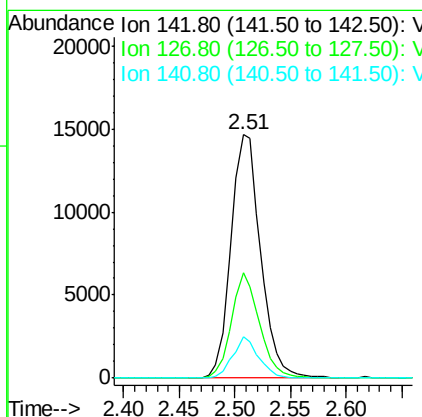
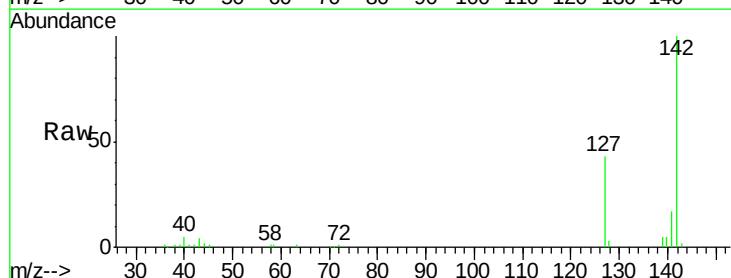
Manual Integrations
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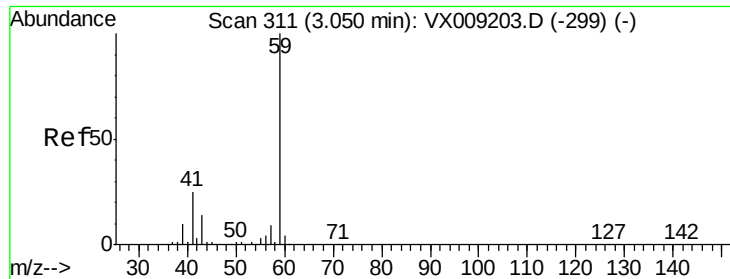
MMDadoda
5/6/2019 9:26:30 AM



#10
Methyl Iodide
Concen: 17.780 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	27097		
127	40.8		32.7	49.1
141	14.9		11.5	17.3





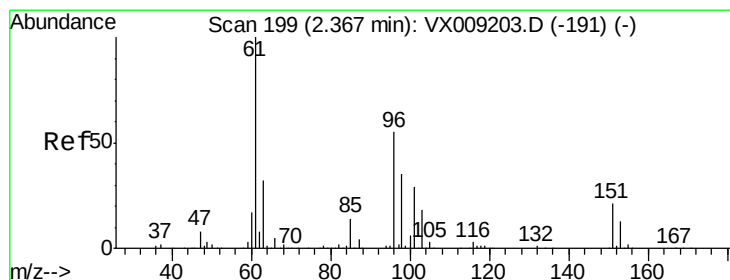
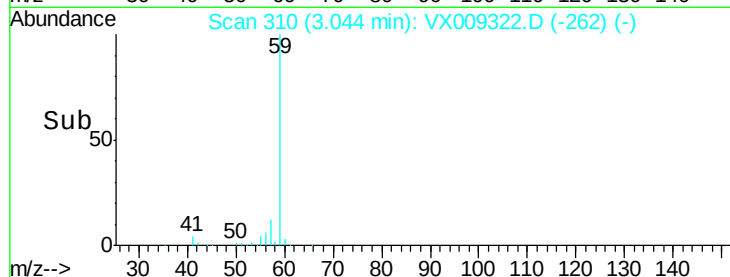
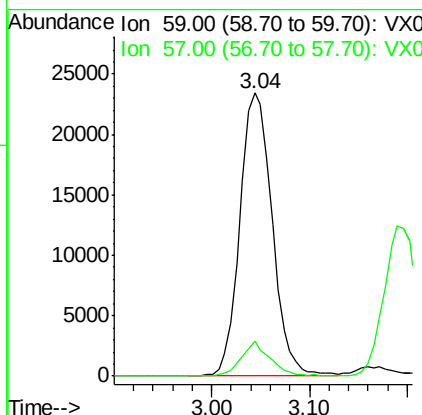
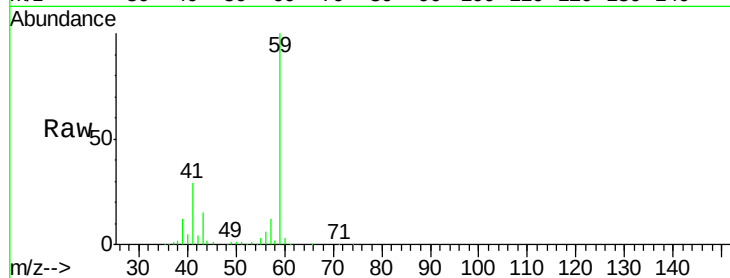
#11
Tert butyl alcohol
Concen: 99.518 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion: 59 Resp: 53936
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.2

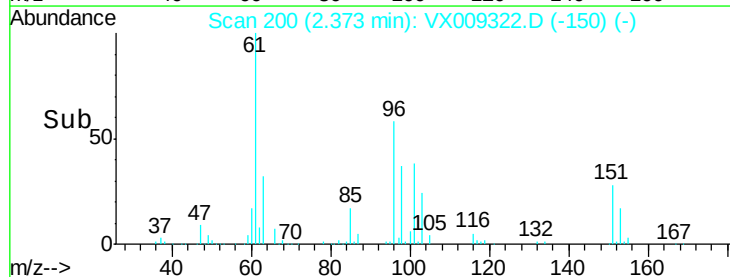
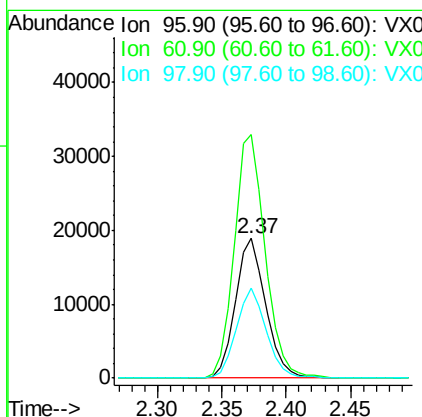
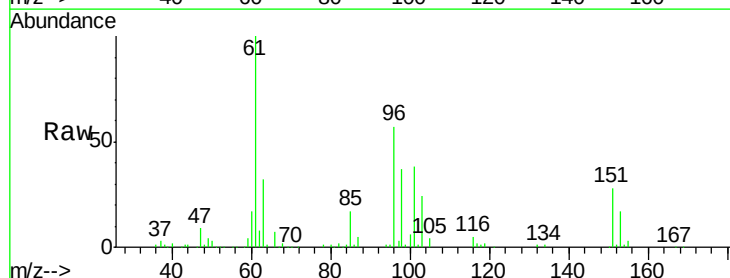
Manual Integrations
APPROVED

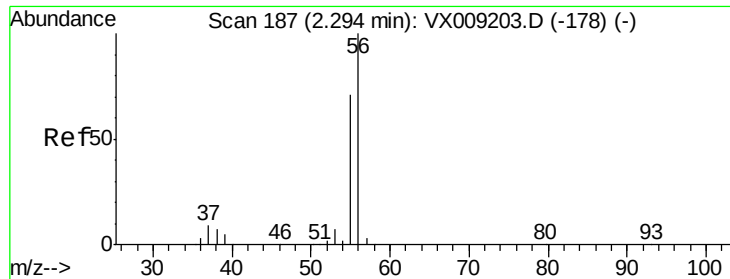
MMDadoda
5/6/2019 9:26:30 AM



#12
1,1-Dichloroethene
Concen: 19.150 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion: 96 Resp: 30818
Ion Ratio Lower Upper
96 100
61 174.2 144.3 216.5
98 64.7 50.3 75.5





#13

Acrolein

Concen: 76.100 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

Tot Ion: 56 Resp: 37352

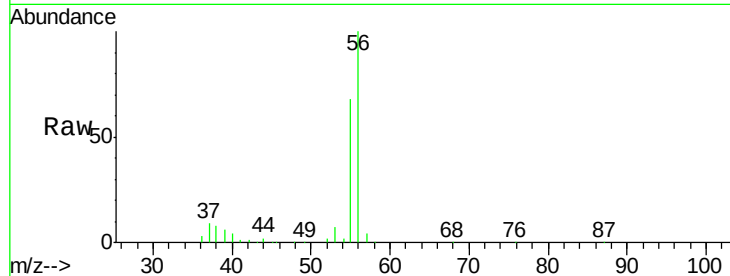
Ion Ratio Lower Upper

56 100

55 70.8 56.6 85.0

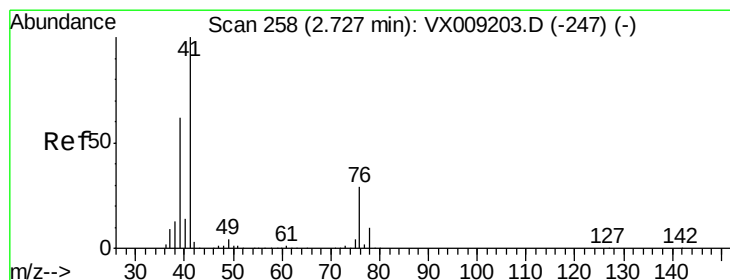
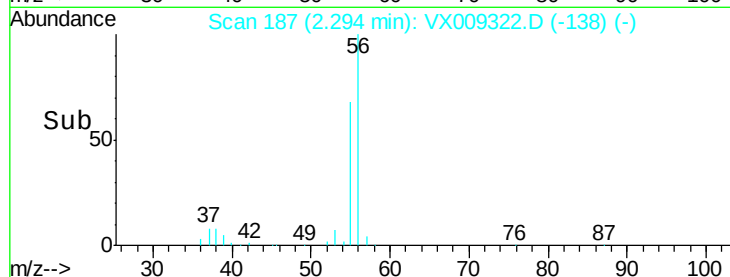
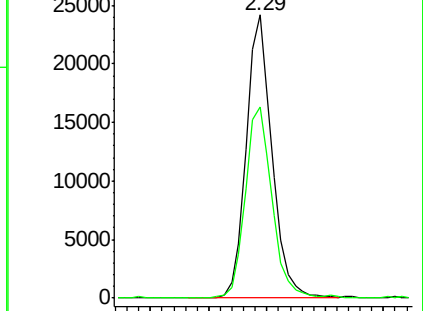
Manual Integrations
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MMDadoda
5/6/2019 9:26:30 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.513 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

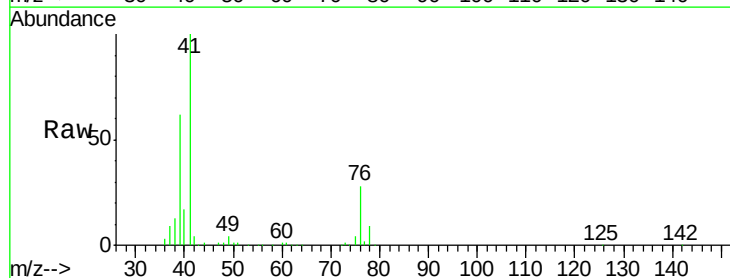
Tgt Ion: 41 Resp: 72606

Ion Ratio Lower Upper

41 100

39 59.7 46.7 70.1

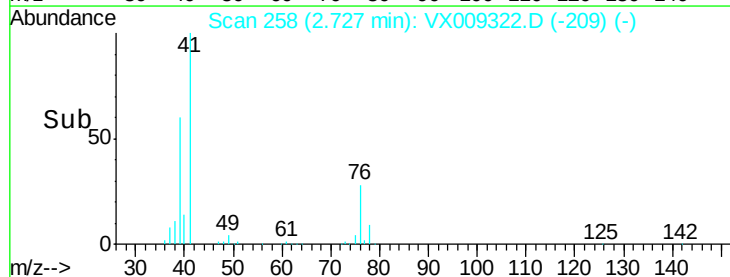
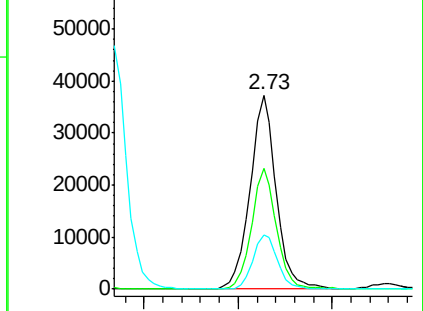
76 26.6 21.8 32.8

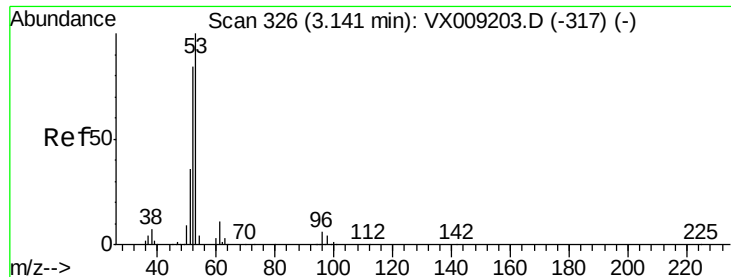


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 99.370 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

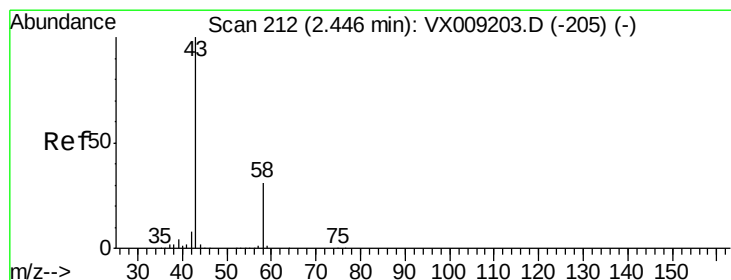
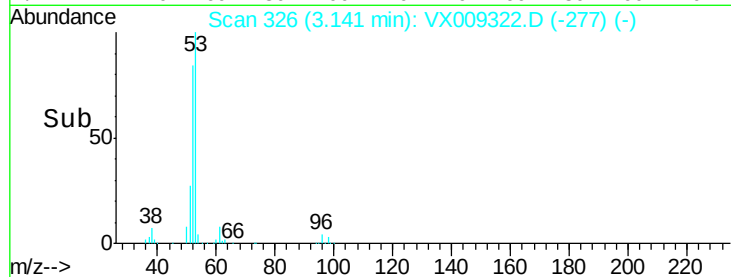
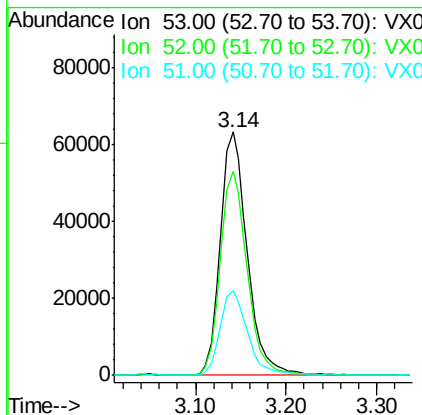
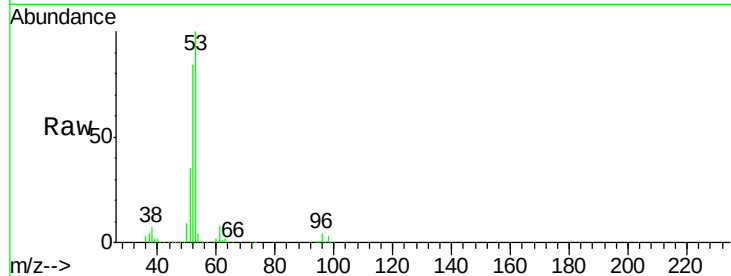
ClientSampleId :

VX0503WBSD02

Tot Ion:	53	Resp:	131681
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.9	100.3
51	35.7	28.2	42.2

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#16

Acetone

Concen: 92.110 ug/l

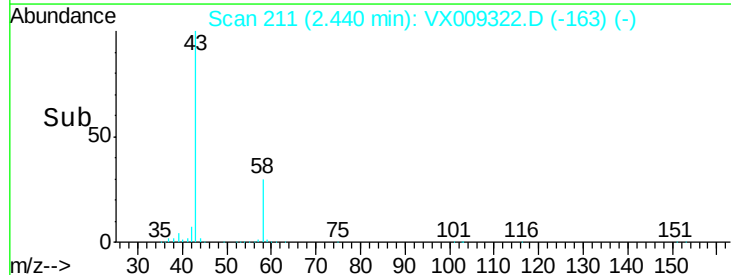
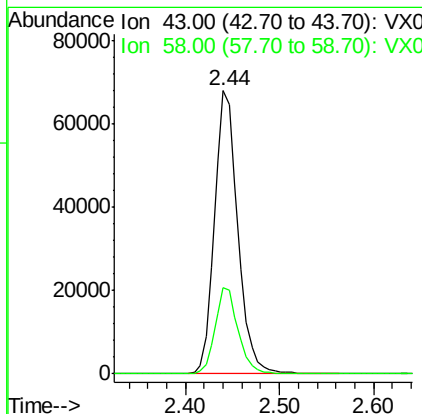
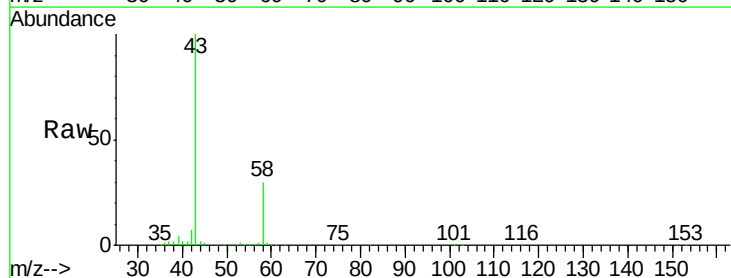
RT: 2.44 min Scan# 211

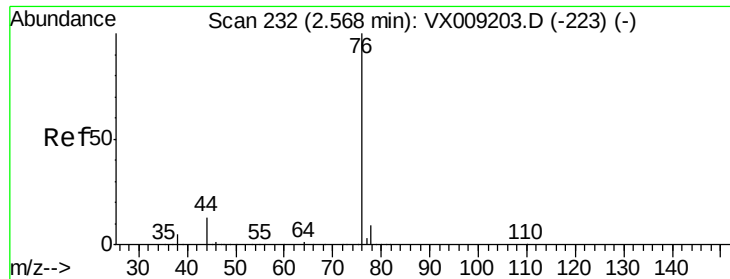
Delta R.T. -0.01 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Tgt Ion:	43	Resp:	115804
Ion Ratio	Lower	Upper	
43	100		
58	30.4	24.9	37.3





#17

Carbon Disulfide

Concen: 17.454 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

Tot Ion: 76 Resp: 78862

Ion Ratio Lower Upper

76 100

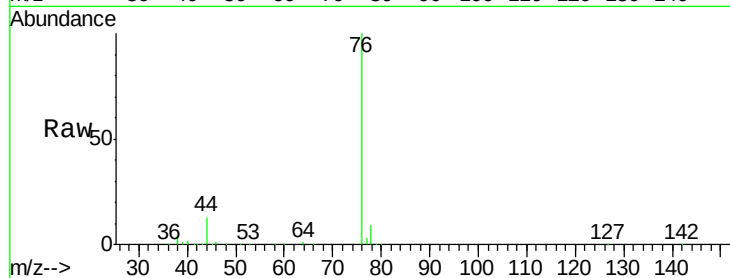
78 8.8 7.4 11.0

Manual Integrations

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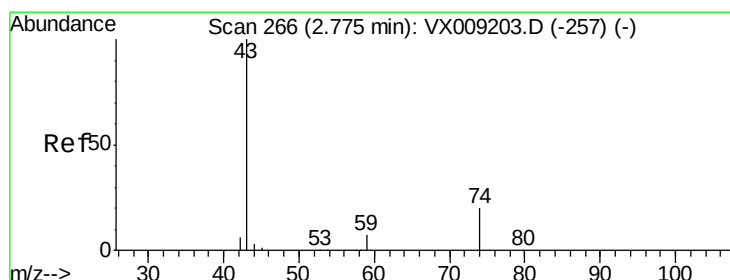
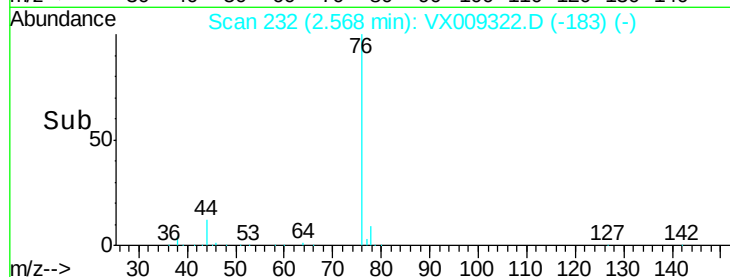
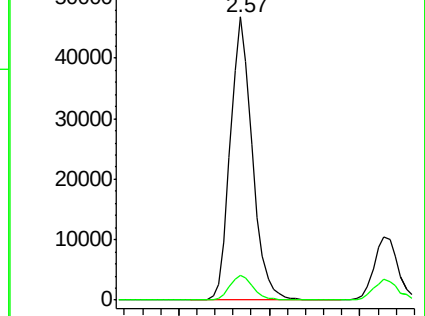
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.078 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009322.D

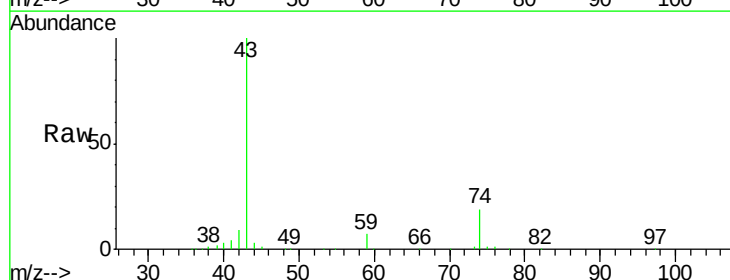
Acq: 03 May 2019 20:10

Tgt Ion: 43 Resp: 60031

Ion Ratio Lower Upper

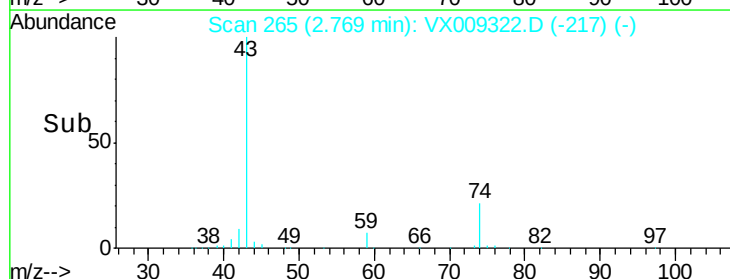
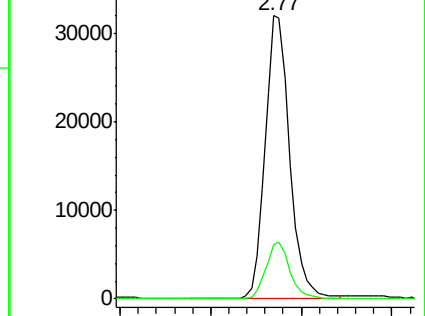
43 100

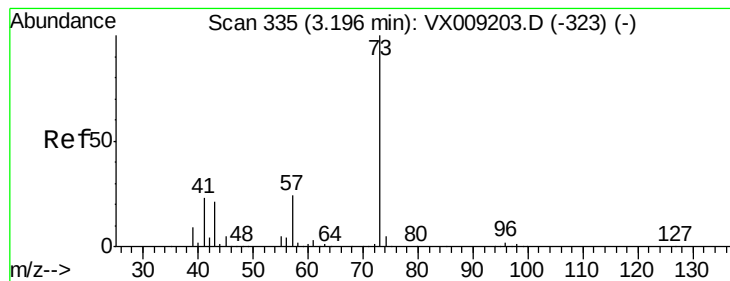
74 19.9 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

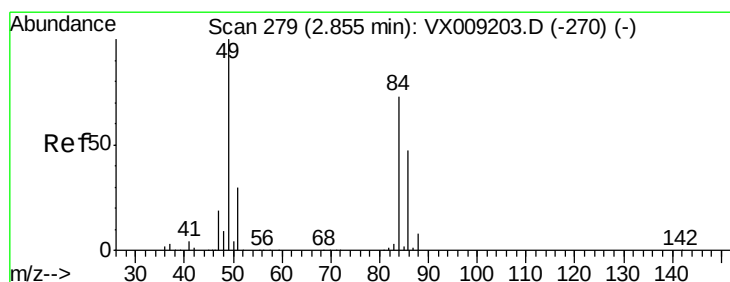
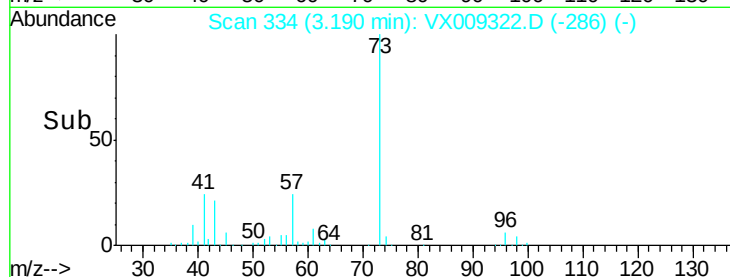
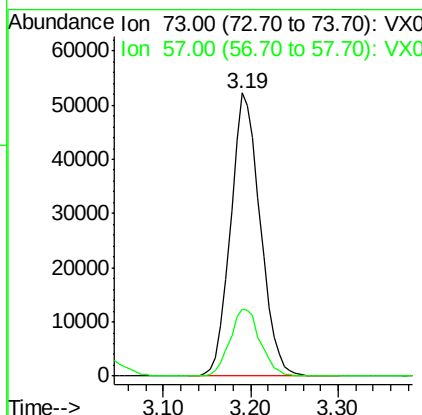
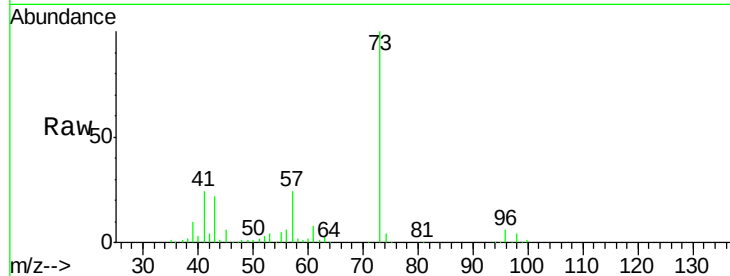
Methyl tert-butyl Ether
 Concen: 19.668 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.3	28.9

Manual Integrations
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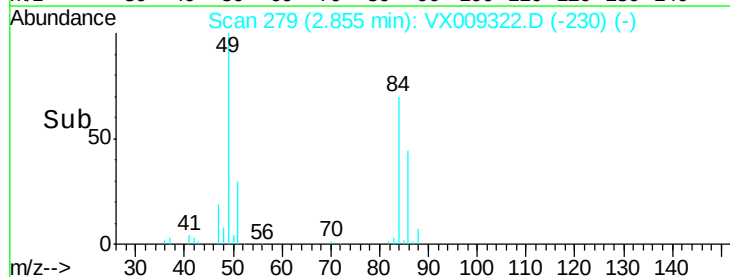
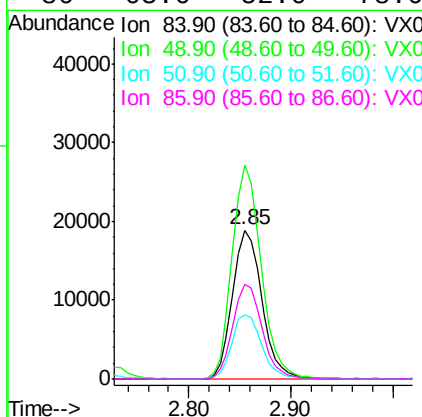
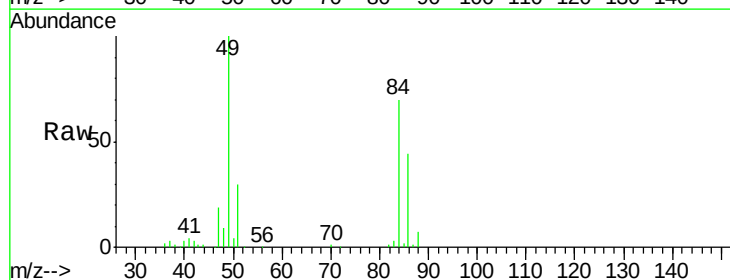
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 5/6/2019 9:26:30 AM

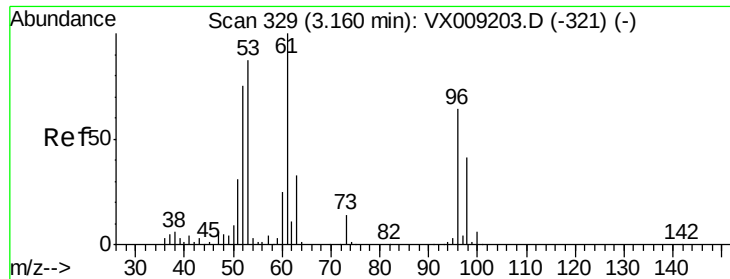


#20

Methylene Chloride
 Concen: 18.614 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.6	109.9	164.9
51	43.4	32.7	49.1
86	63.6	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 18.735 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

Tot Ion: 96 Resp: 32698

Ion Ratio Lower Upper

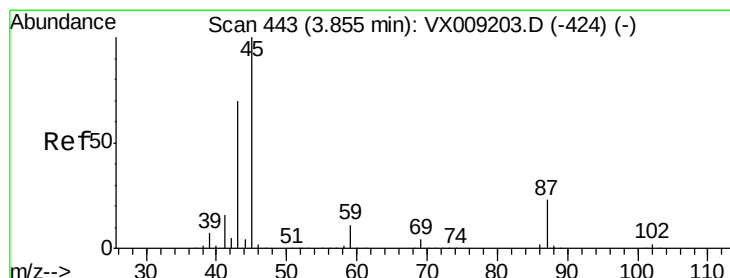
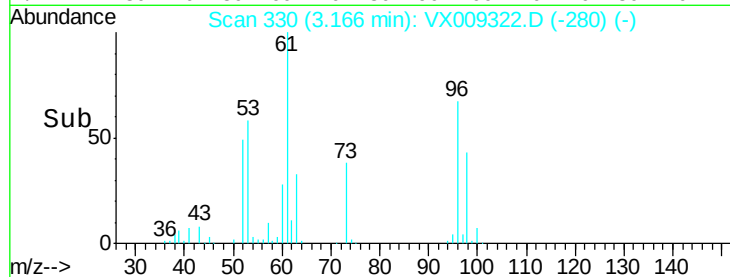
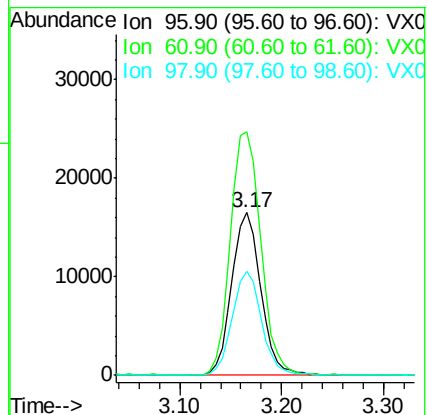
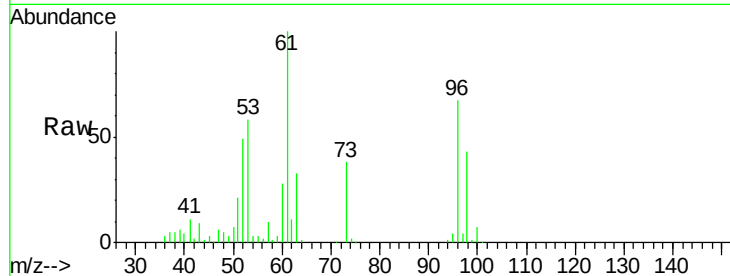
96 100

61 149.9 124.5 186.7

98 64.1 50.4 75.6

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#22

Diisopropyl ether

Concen: 19.993 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Tgt Ion: 45 Resp: 150792

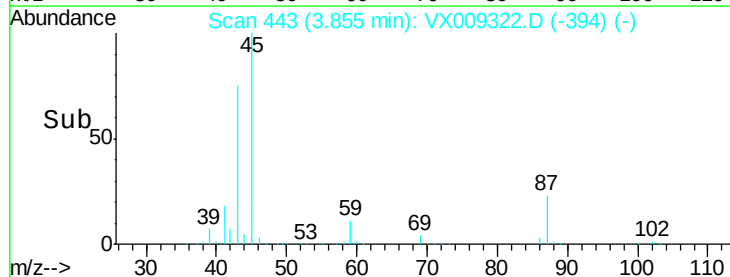
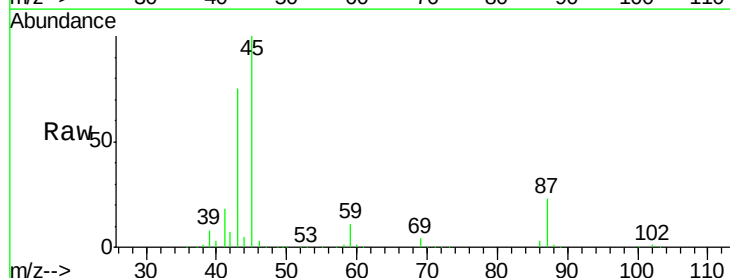
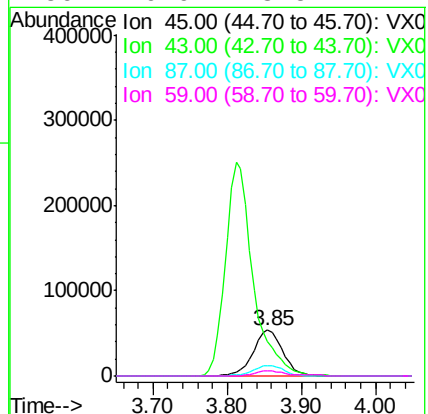
Ion Ratio Lower Upper

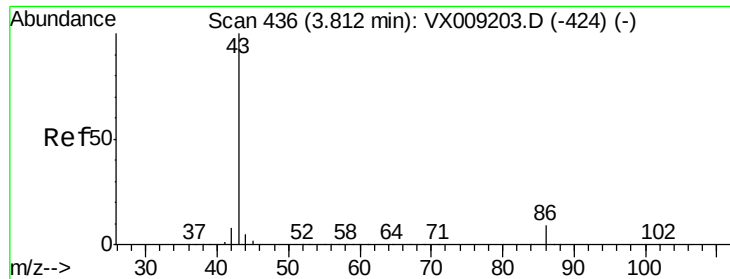
45 100

43 74.5 56.1 84.1

87 23.2 18.1 27.1

59 10.9 8.5 12.7





#23

Vinyl Acetate

Concen: 100.743 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

Tot Ion: 43 Resp: 650647

Ion Ratio Lower Upper

43 100

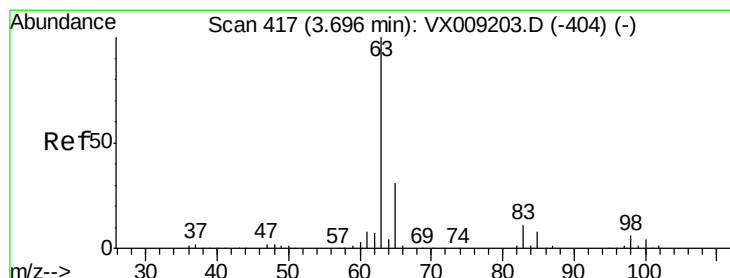
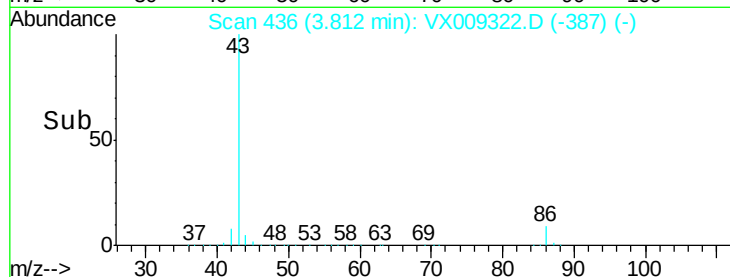
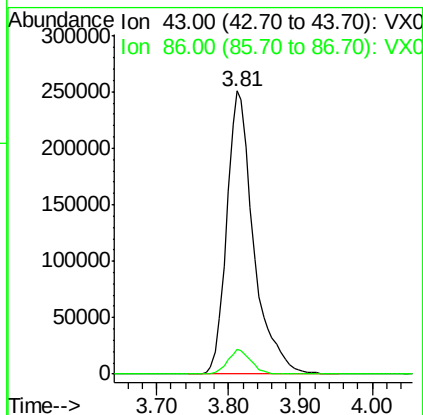
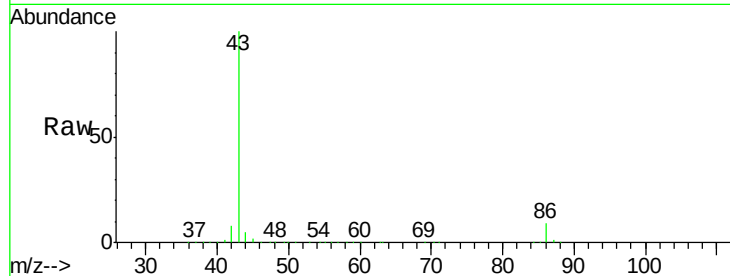
86 8.6 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.362 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

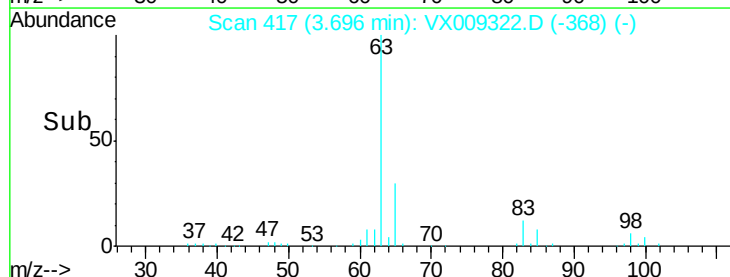
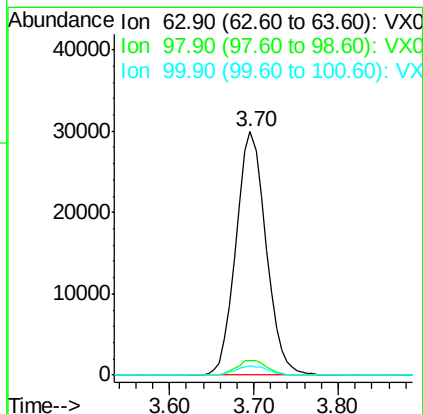
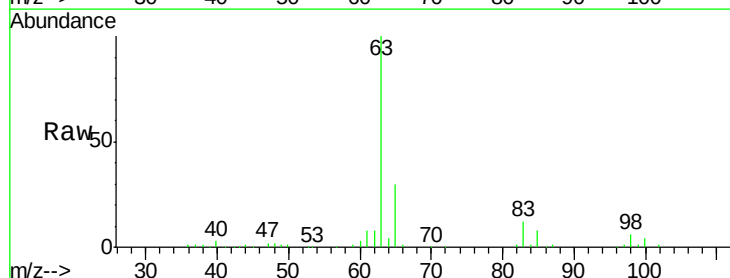
Tgt Ion: 63 Resp: 72040

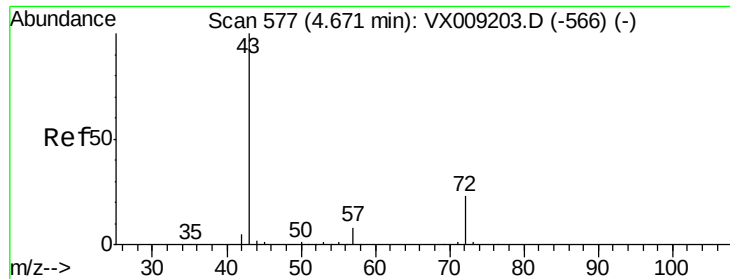
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 99.500 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampled :

VX0503WBSD02

Tot Ion: 43 Resp: 194393

Ion Ratio Lower Upper

43 100

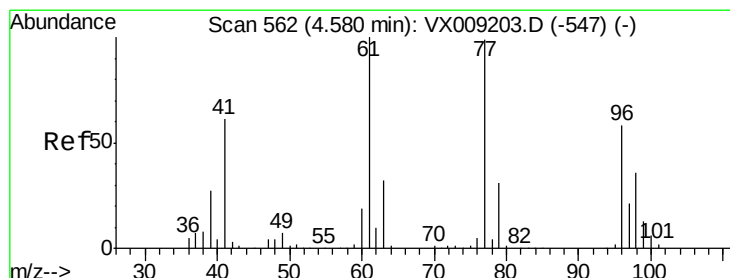
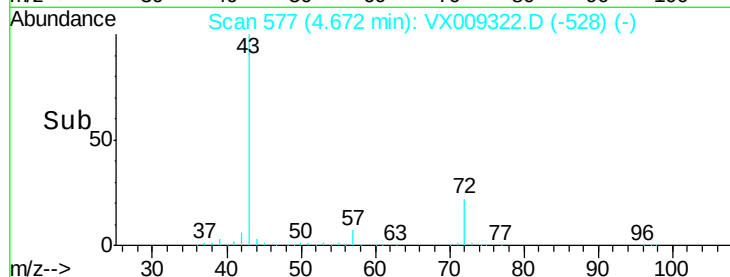
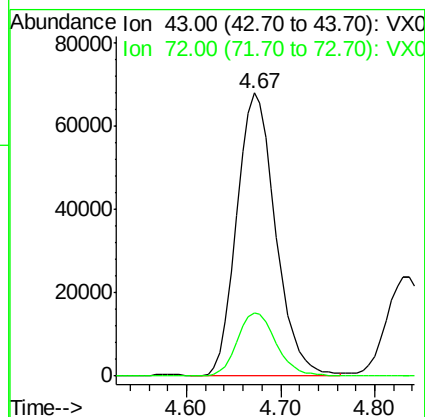
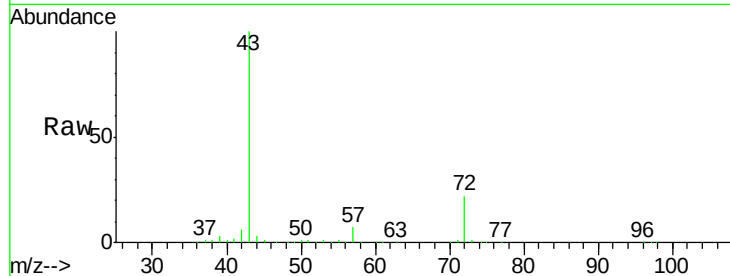
72 22.2 18.2 27.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.889 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009322.D

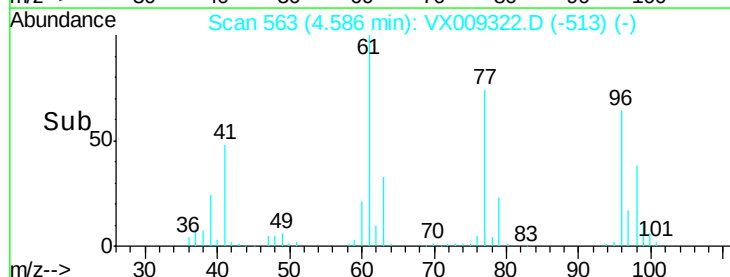
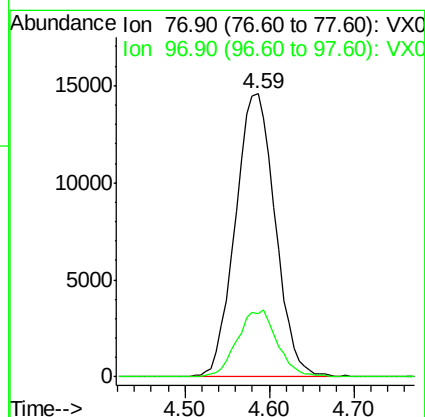
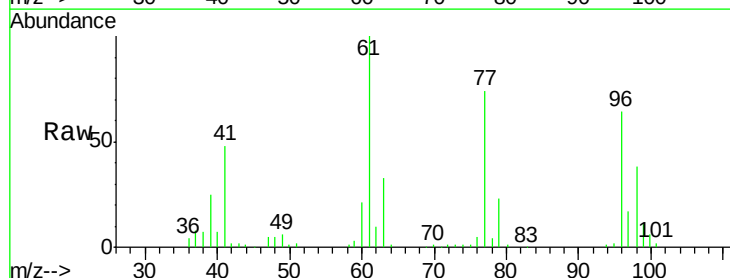
Acq: 03 May 2019 20:10

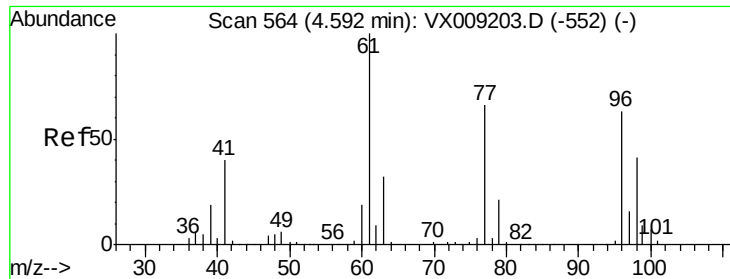
Tgt Ion: 77 Resp: 46772

Ion Ratio Lower Upper

77 100

97 23.6 11.5 34.4





#27

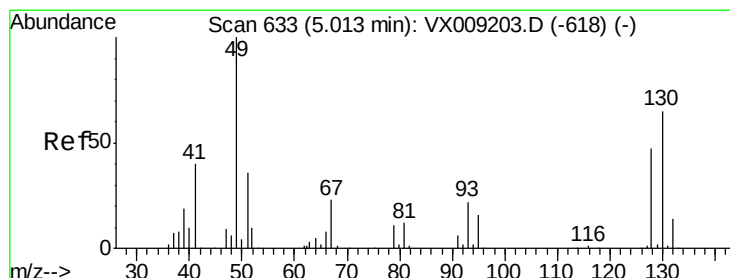
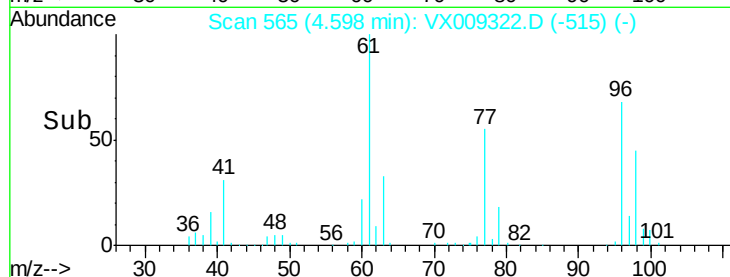
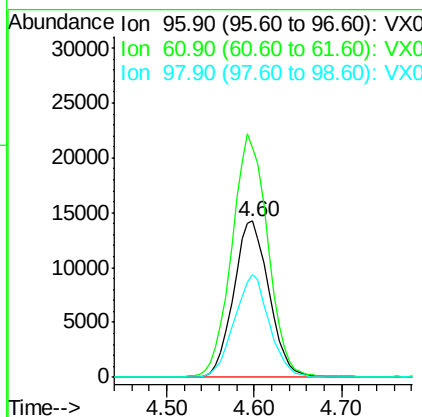
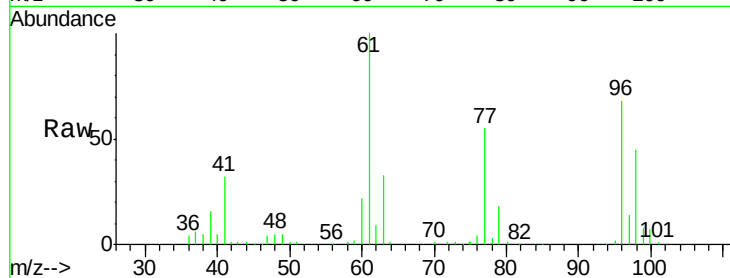
cis-1,2-Dichloroethene
Concen: 19.373 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	40359		
61	158.4	0.0	324.0	
98	64.5	0.0	130.4	

Manual Integrations
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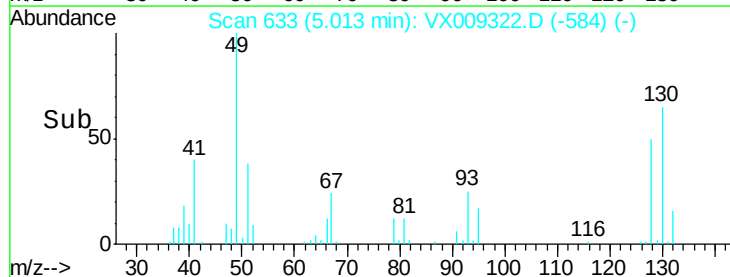
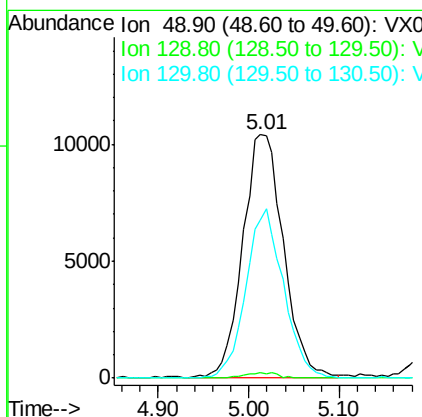
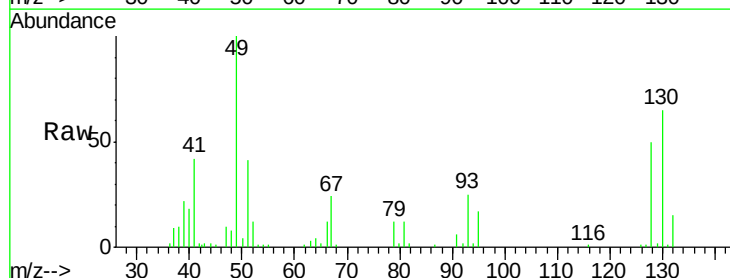
MMDadoda
5/6/2019 9:26:30 AM

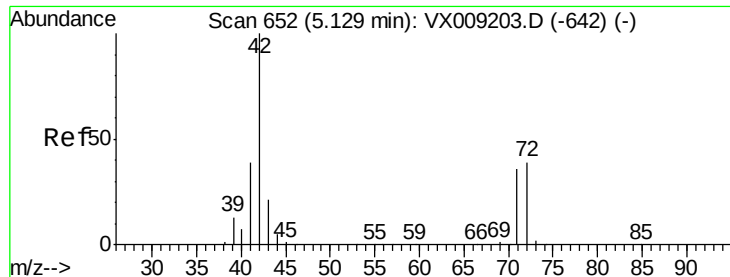


#28

Bromochloromethane
Concen: 20.037 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	32470		
129	1.7	0.0	3.8	
130	64.0	51.2	76.8	





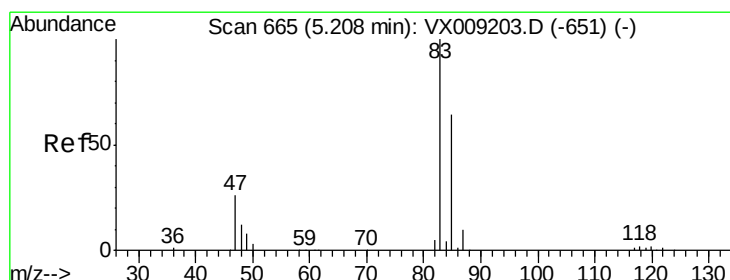
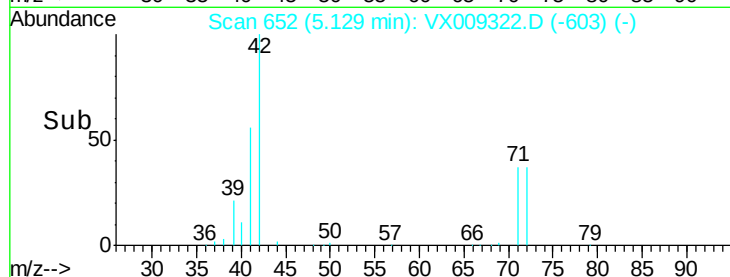
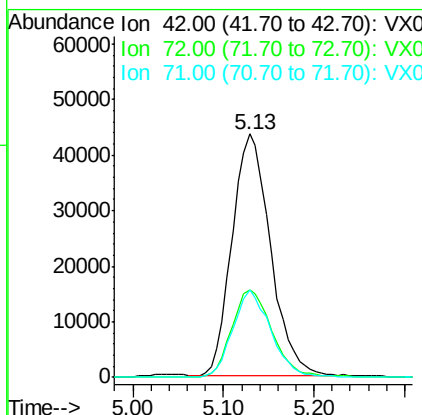
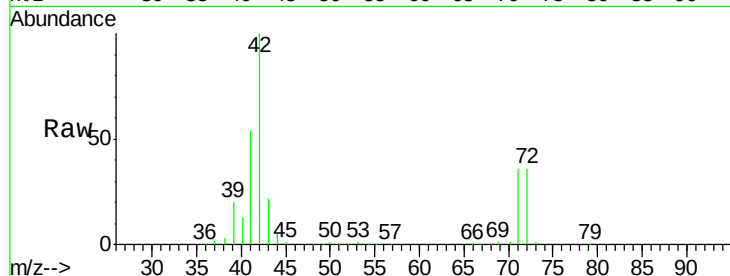
#29
Tetrahydrofuran
Concen: 101.950 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.4	45.6
71	35.6	28.6	43.0

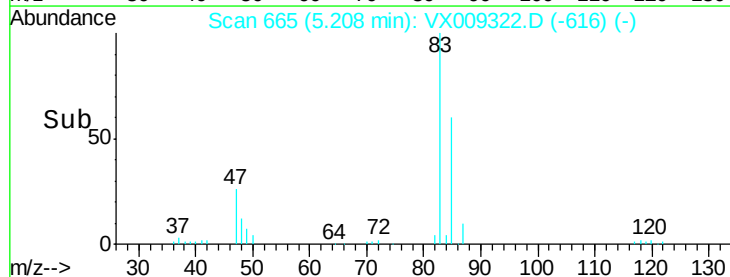
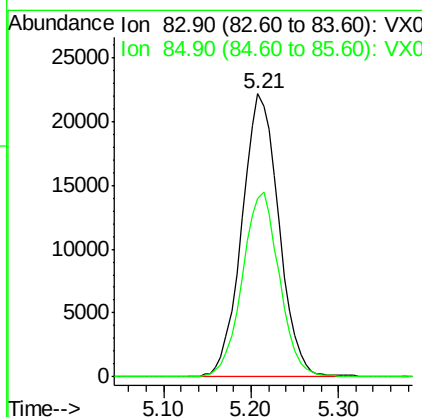
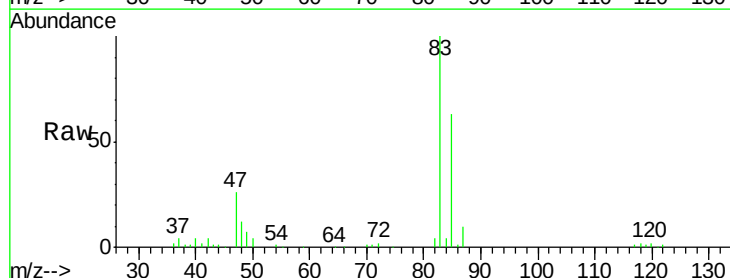
Manual Integrations
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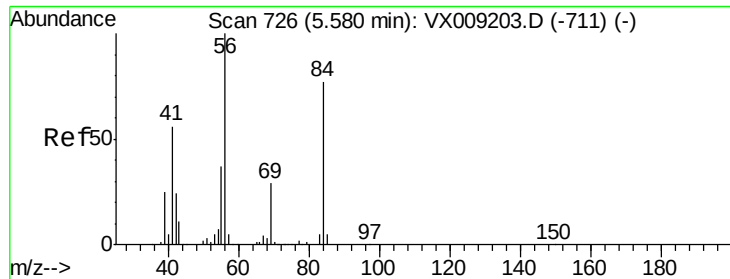
MMDadoda
5/6/2019 9:26:30 AM



#30
Chloroform
Concen: 19.359 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.5	77.3





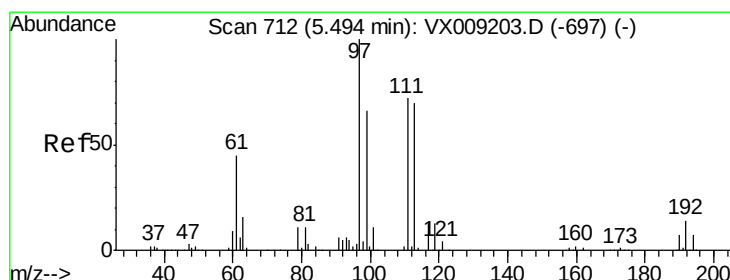
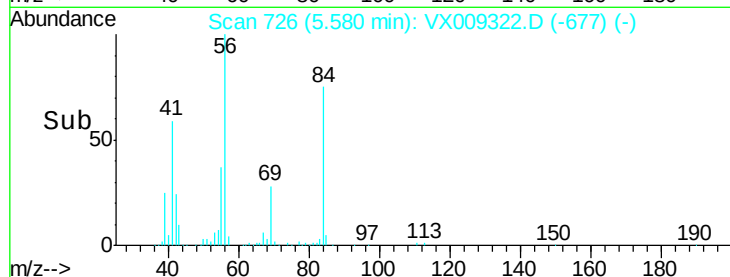
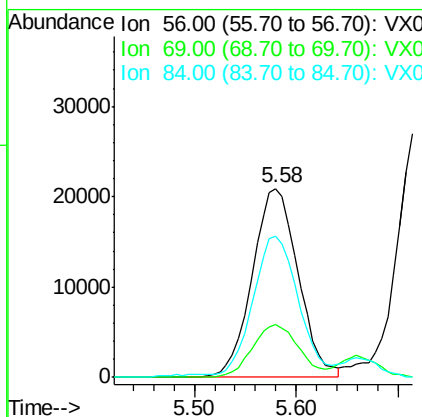
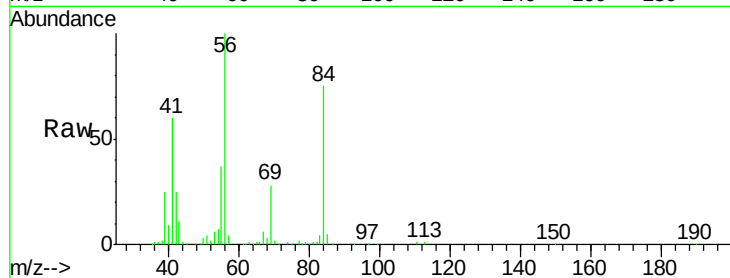
#31
Cyclohexane
Concen: 18.843 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.4	35.0
84	73.3	61.9	92.9

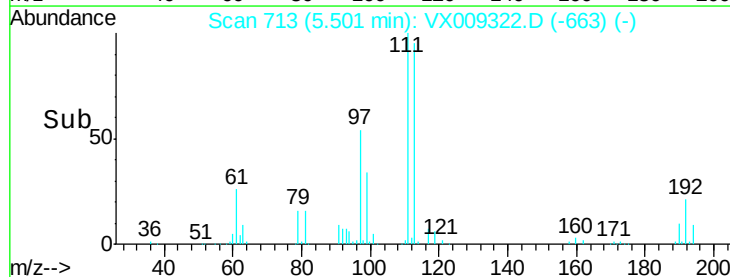
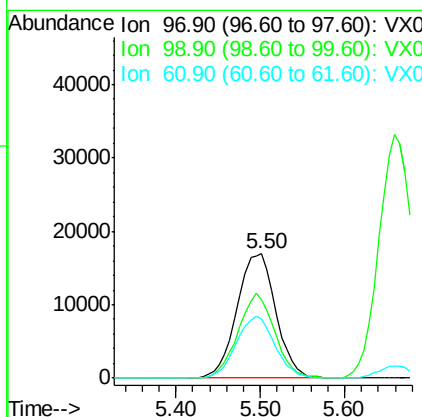
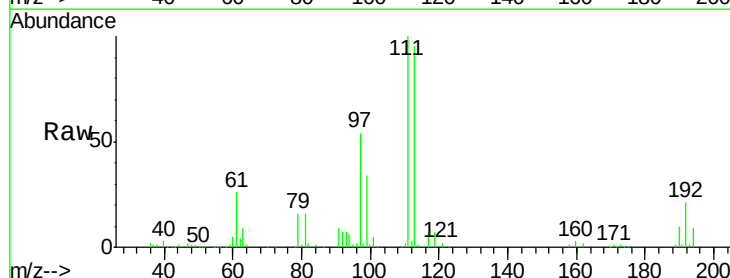
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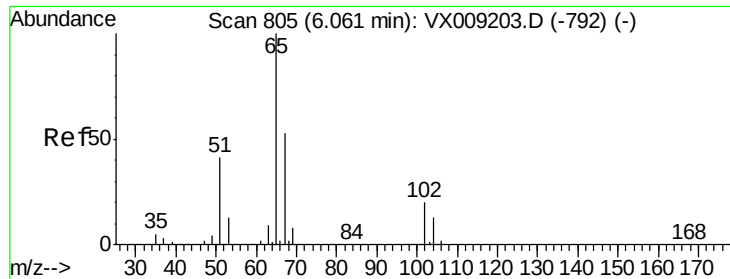
MMDadoda
5/6/2019 9:26:30 AM



#32
1,1,1-Trichloroethane
Concen: 18.950 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.8
61	49.3	37.8	56.8





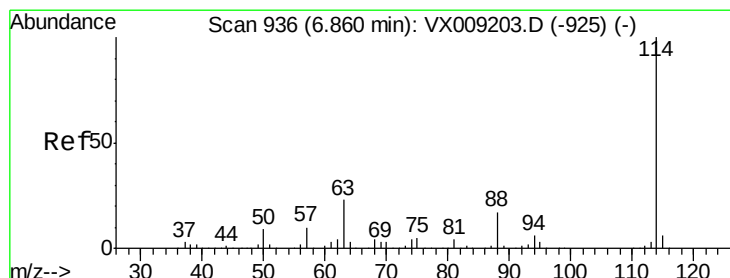
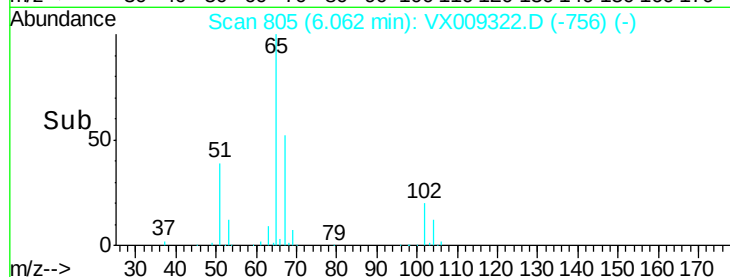
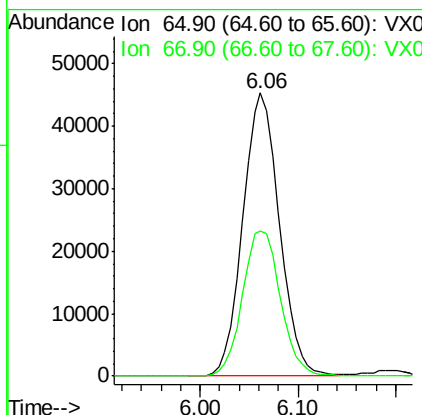
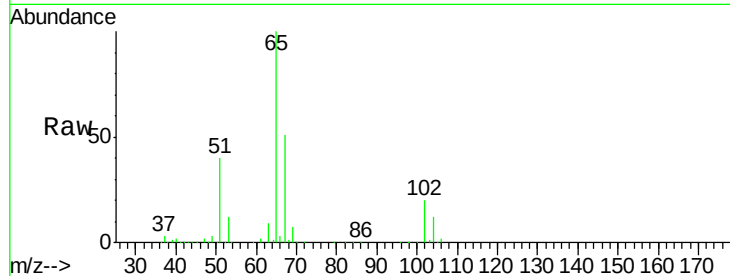
#33
 1,2-Dichloroethane-d4
 Concen: 50.247 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0503WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	106.6

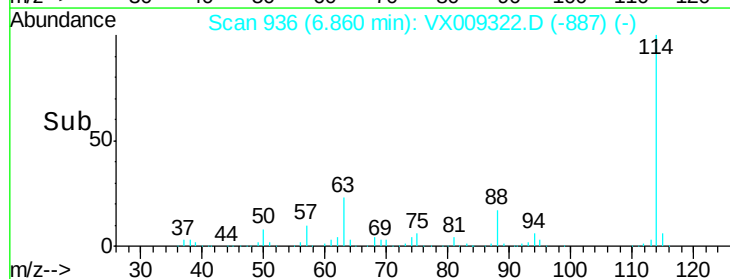
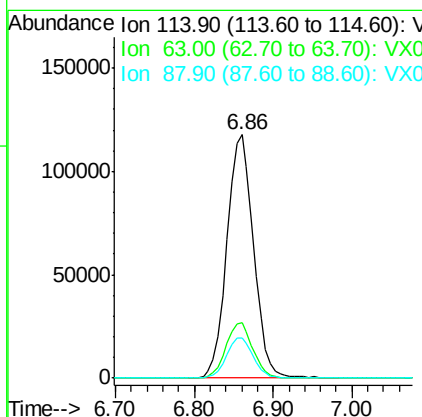
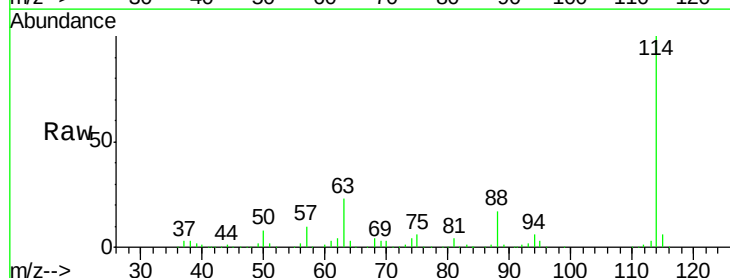
Manual Integrations
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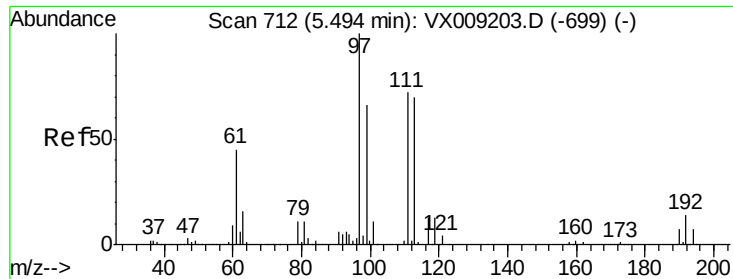
MMDadoda
 5/6/2019 9:26:30 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	45.6
88	16.6	0.0	33.2





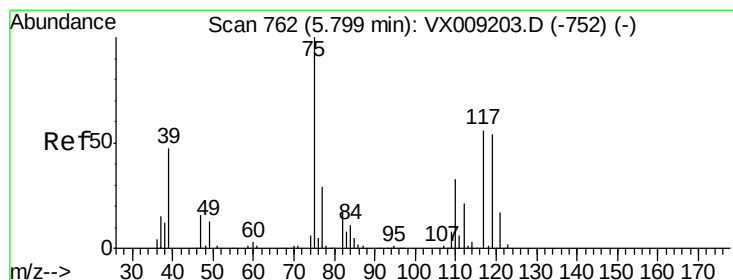
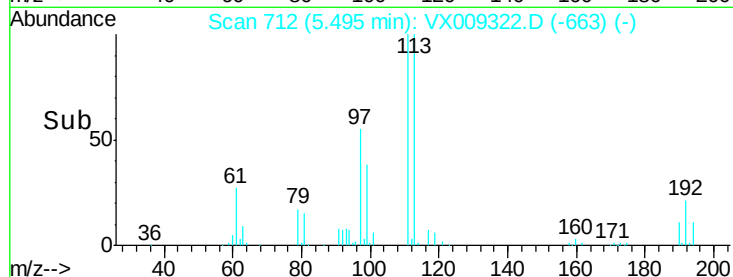
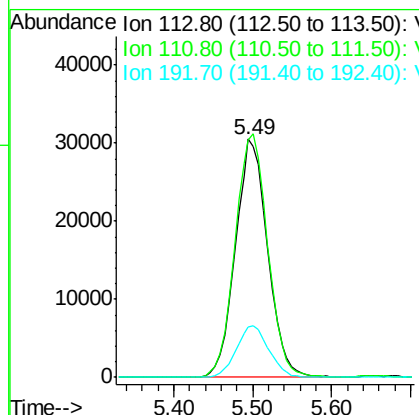
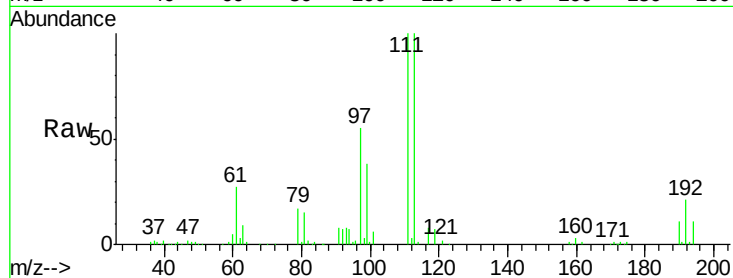
#35
 Dibromofluoromethane
 Concen: 49.725 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	86533		
111	103.5	82.8	124.2	
192	21.9	17.0	25.6	

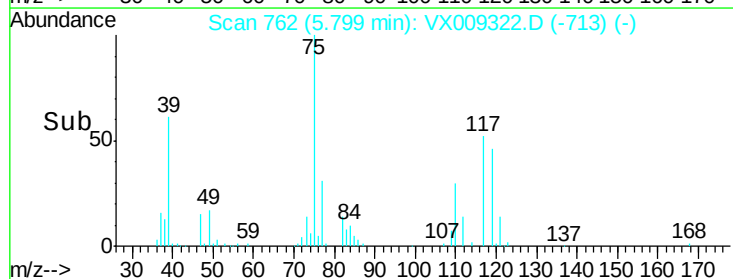
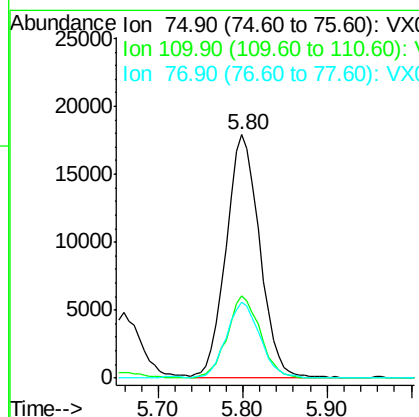
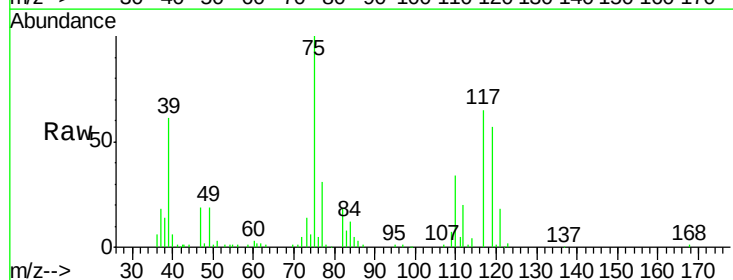
Manual Integrations
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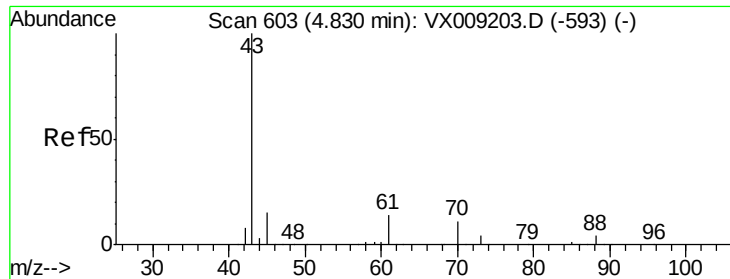
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#36
 1,1-Dichloropropene
 Concen: 18.973 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	48808		
110	32.9	16.9	50.6	
77	31.4	24.8	37.2	





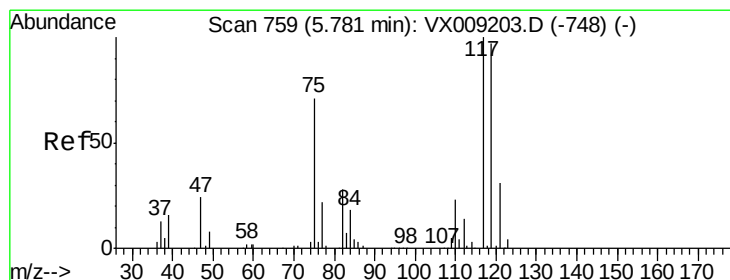
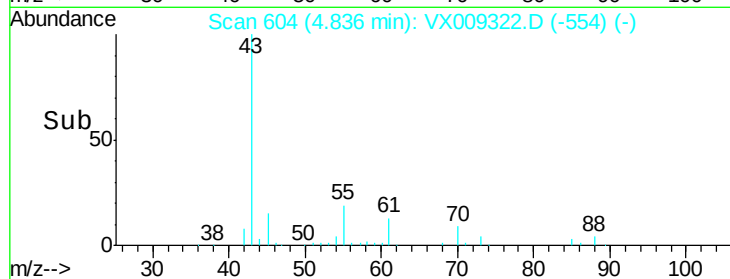
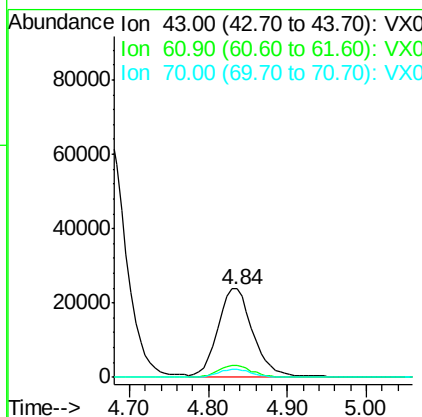
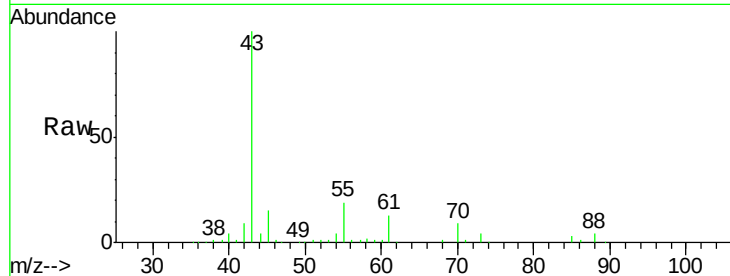
#37
Ethyl Acetate
Concen: 20.292 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion	43	Resp	72734
Ion Ratio	100	Lower	Upper
43	100		
61	12.7	10.5	15.7
70	9.4	7.9	11.9

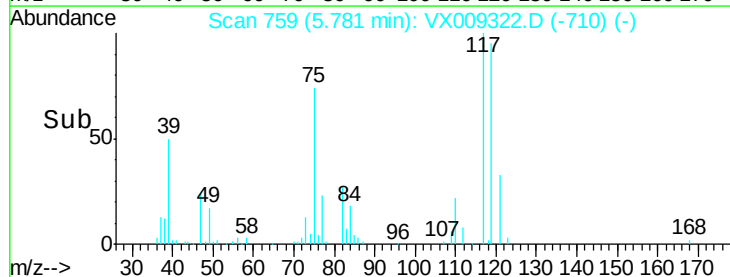
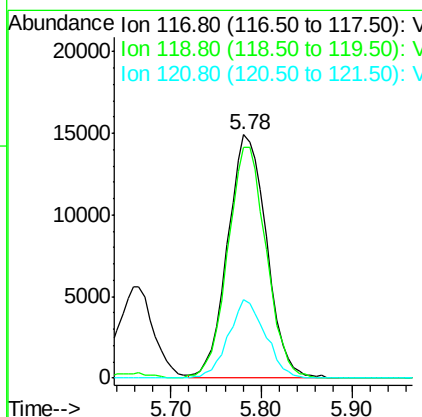
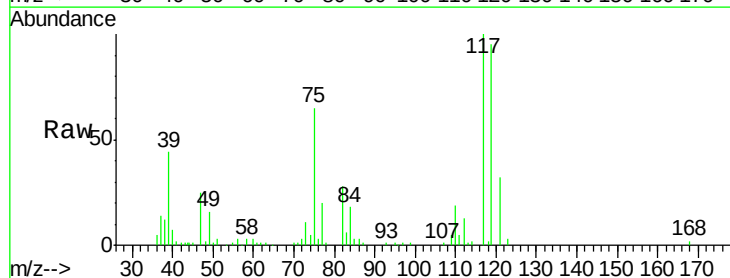
Manual Integrations
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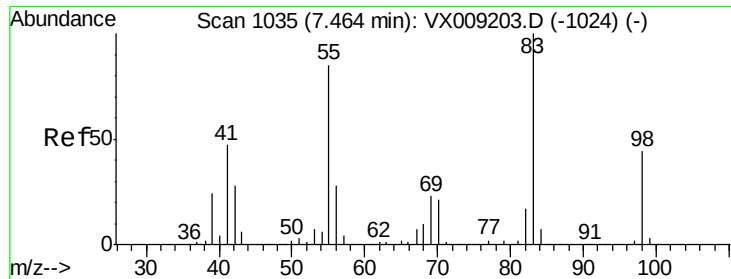
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5/6/2019 9:26:30 AM



#38
Carbon Tetrachloride
Concen: 18.981 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion	117	Resp	44365
Ion Ratio	100	Lower	Upper
117	100		
119	94.7	77.5	116.3
121	32.1	24.7	37.1





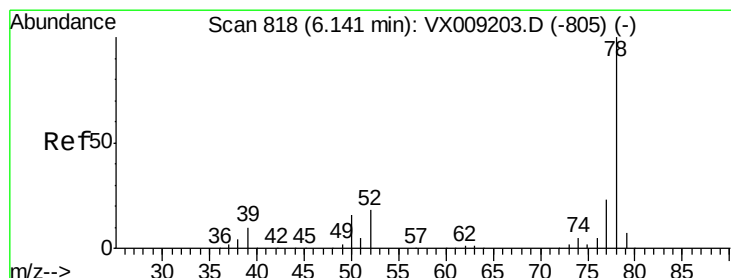
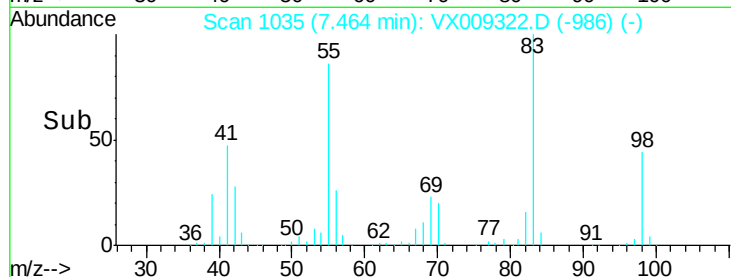
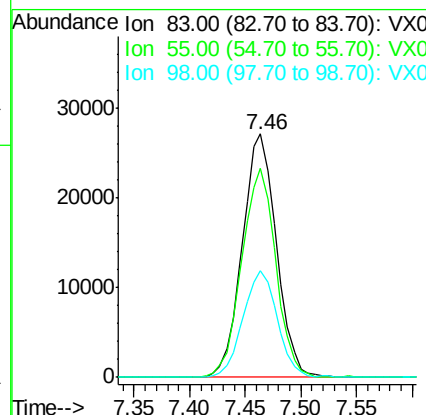
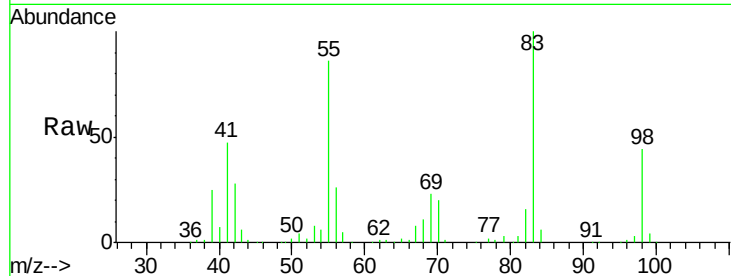
#39
Methylvlcyclohexane
Concen: 18.251 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.1	67.7	101.5
98	44.0	35.5	53.3

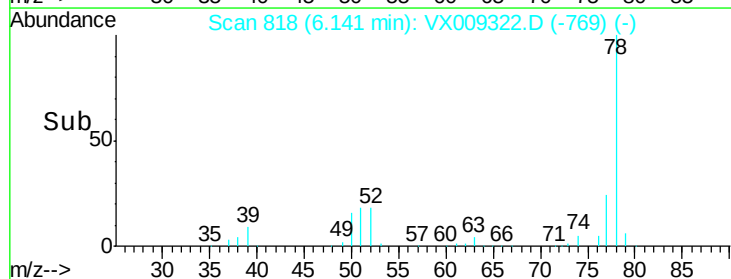
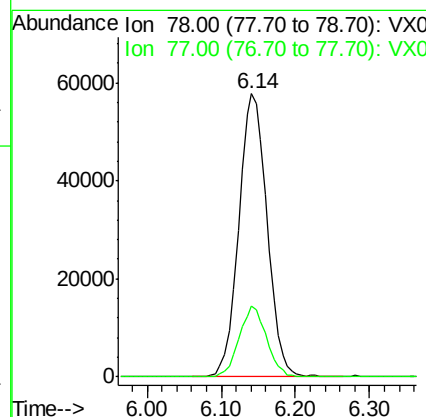
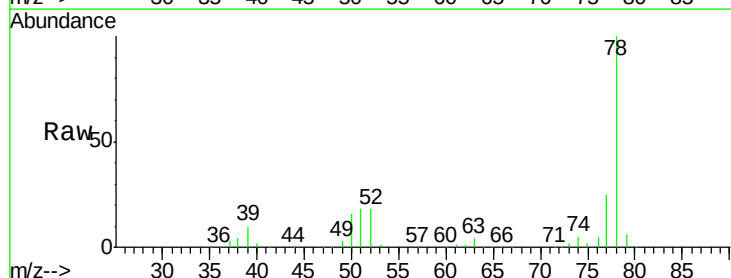
Manual Integrations
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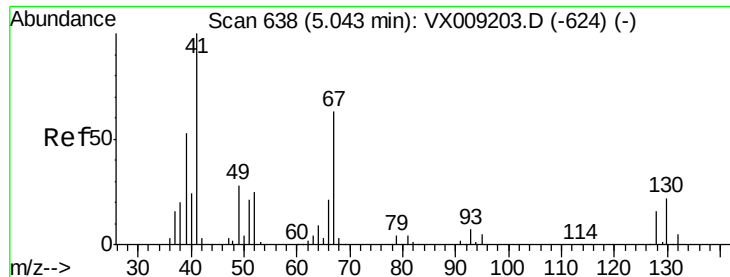
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#40
Benzene
Concen: 19.317 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.8	28.2





#41

Methacrylonitrile

Concen: 19.830 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

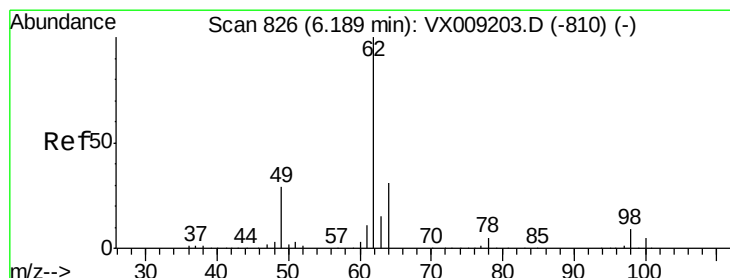
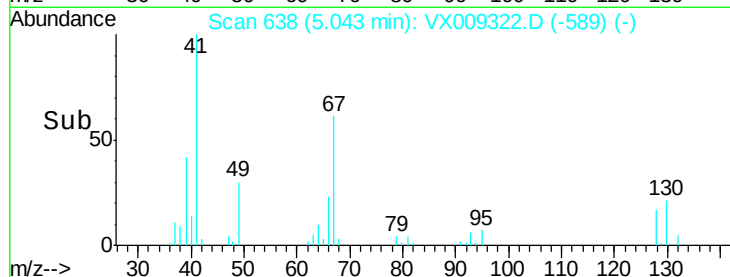
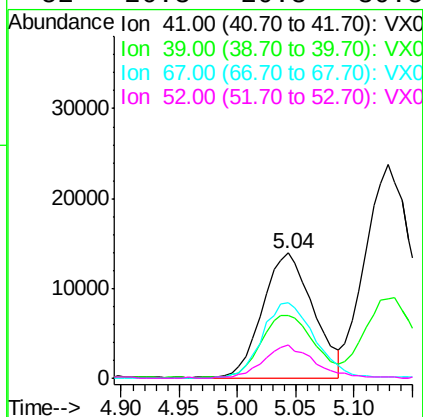
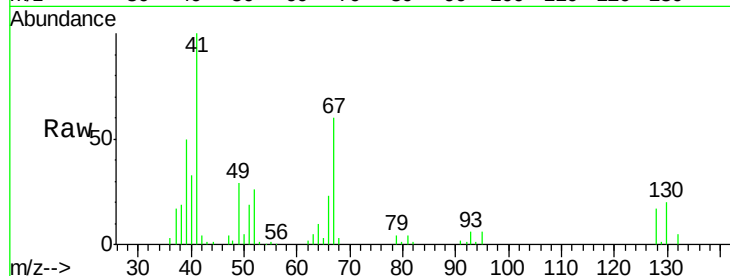
ClientSampleId :

VX0503WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		42310		
39	51.9	42.0	63.0		
67	62.6	49.8	74.8		
52	26.3	20.3	30.5		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.641 ug/l

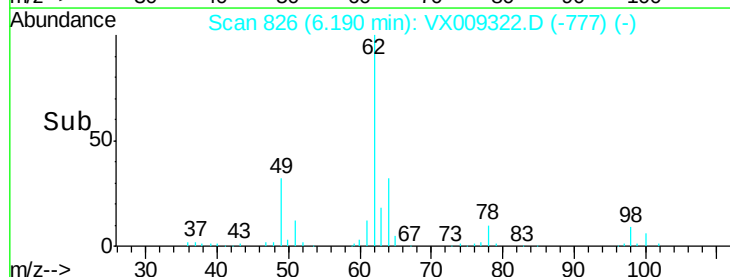
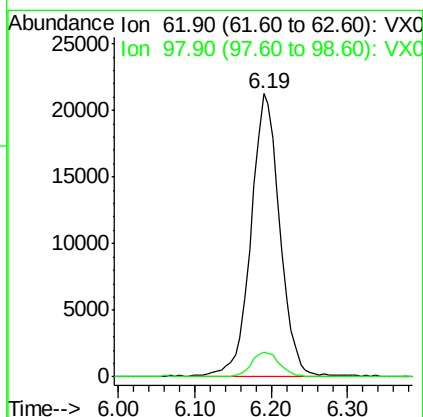
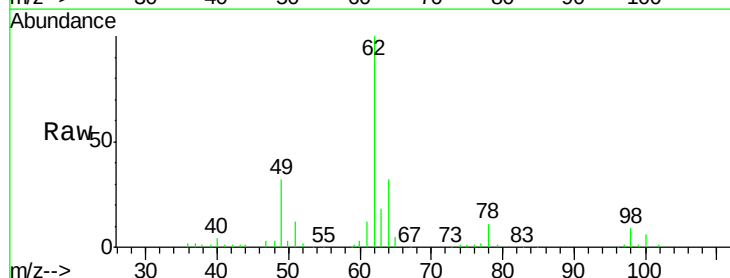
RT: 6.19 min Scan# 826

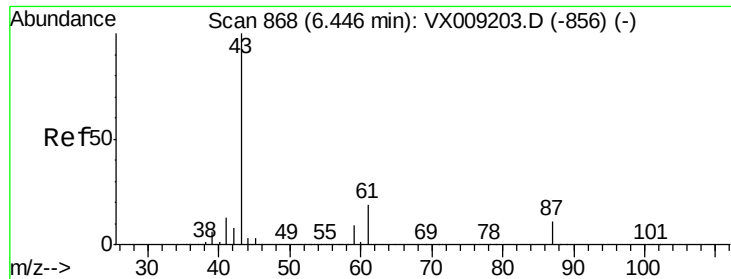
Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		56093		
98	8.7	0.0	18.2		





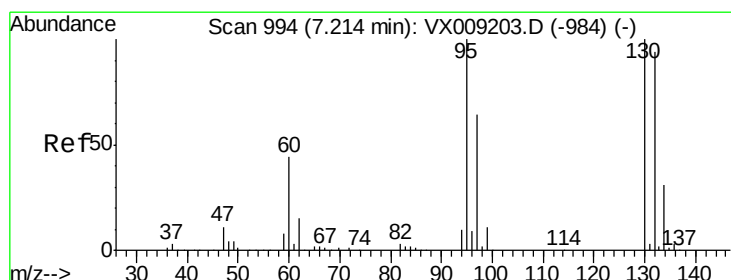
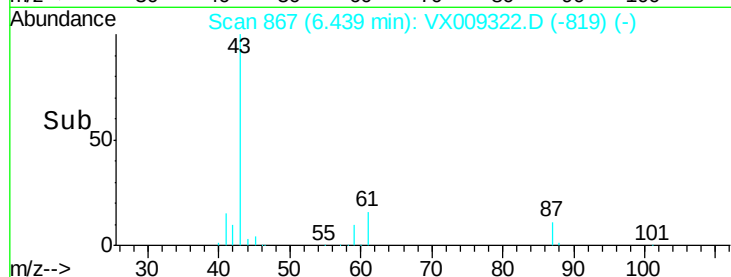
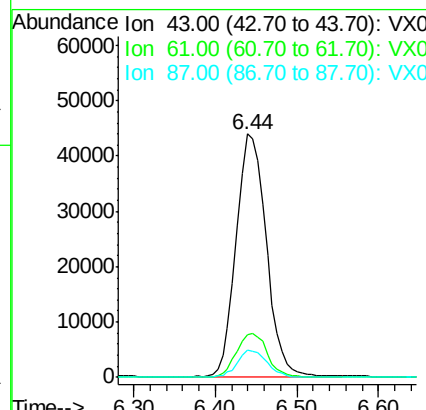
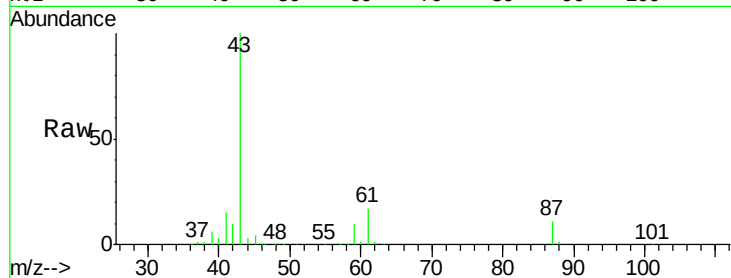
#43
Isopropyl Acetate
Concen: 19.639 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion:	43	Resp:	112595
Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.1	22.7
87	11.2	9.0	13.6

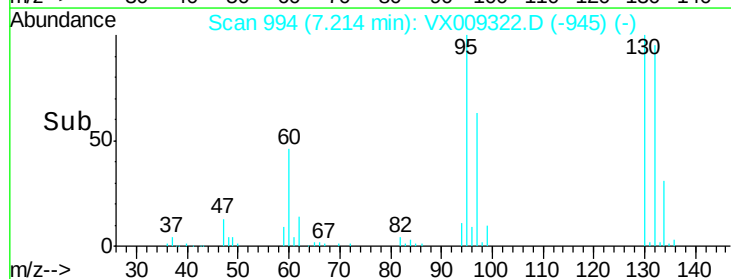
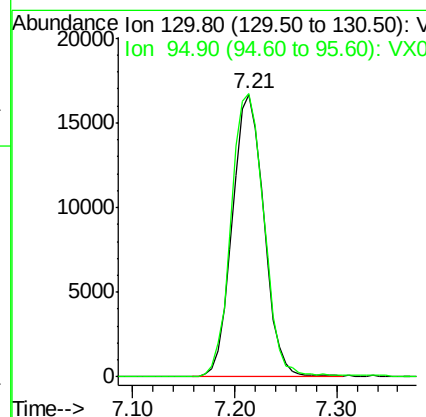
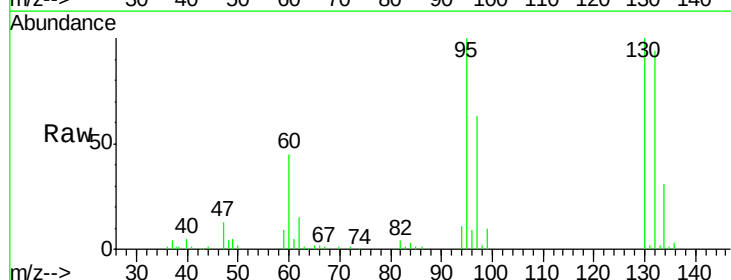
Manual Integrations
APPROVED

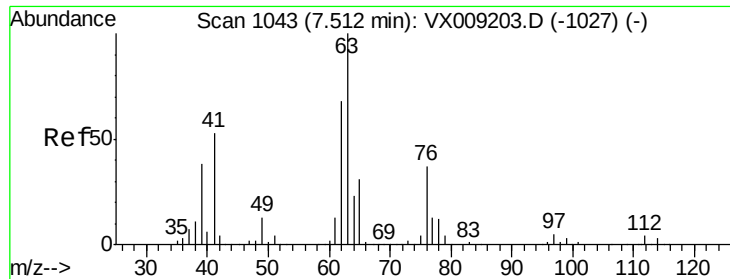
MMDadoda
5/6/2019 9:26:30 AM



#44
Trichloroethene
Concen: 18.593 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion:	130	Resp:	35786
Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	199.2





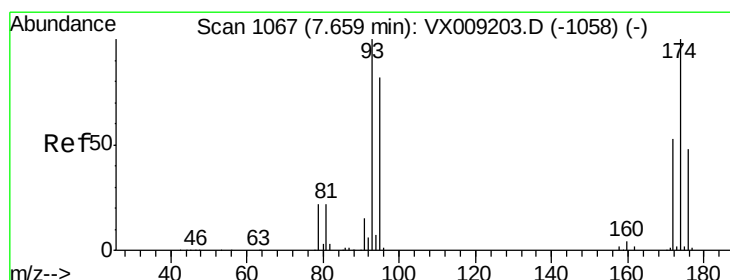
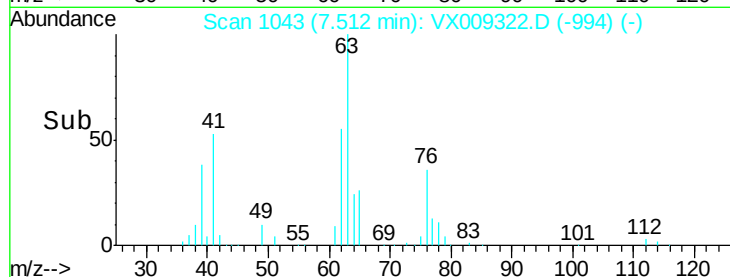
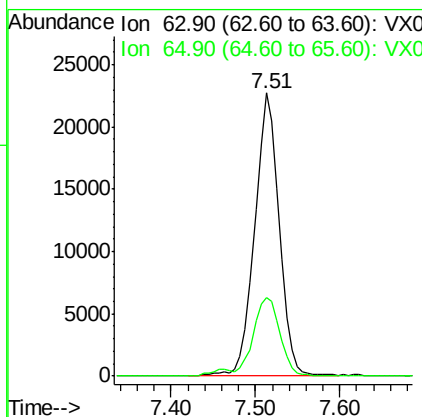
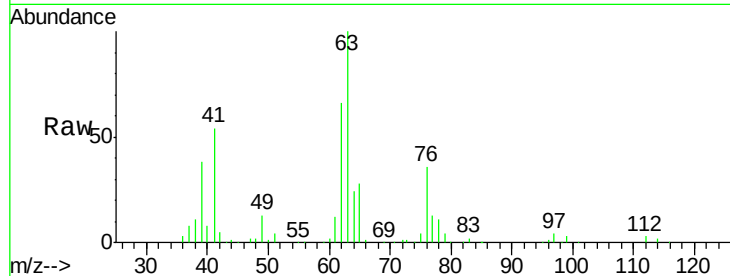
#45
 1,2-Dichloropropane
 Concen: 20.020 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD02

Tot Ion: 63 Resp: 45133
 Ion Ratio Lower Upper
 63 100
 65 27.7 25.0 37.6

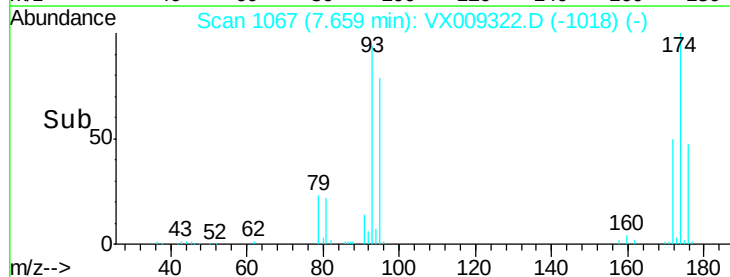
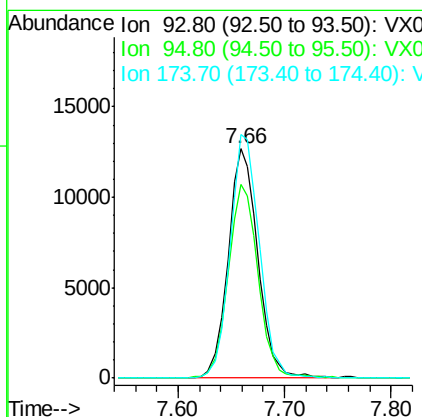
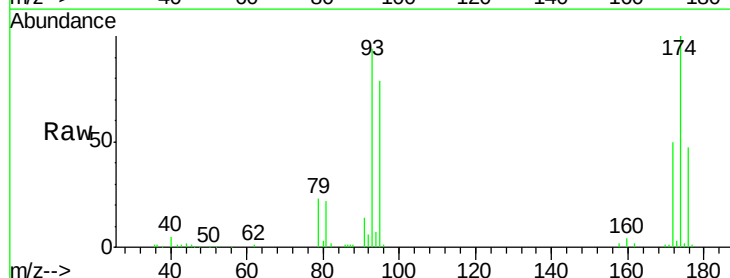
Manual Integrations
 APPROVED

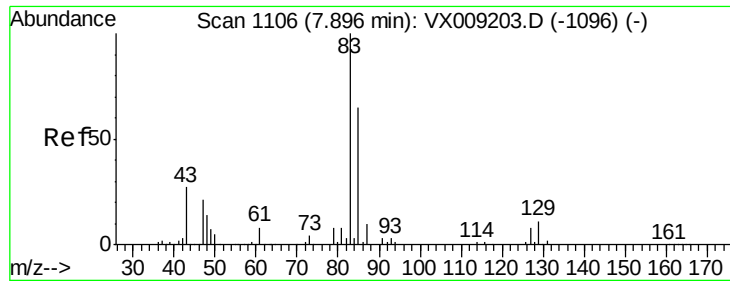
MMDadoda
 5/6/2019 9:26:30 AM



#46
 Dibromomethane
 Concen: 18.879 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Tgt Ion: 93 Resp: 24715
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.5 99.7
 174 105.4 82.1 123.1





#47

Bromodichloromethane

Concen: 19.020 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

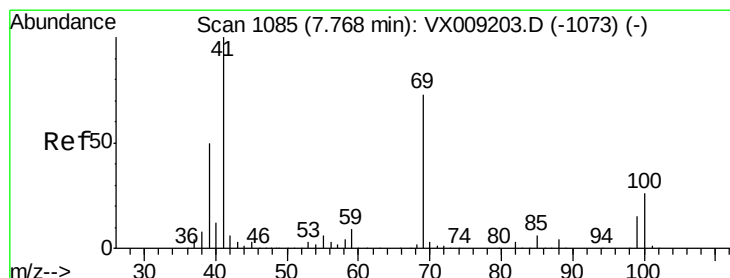
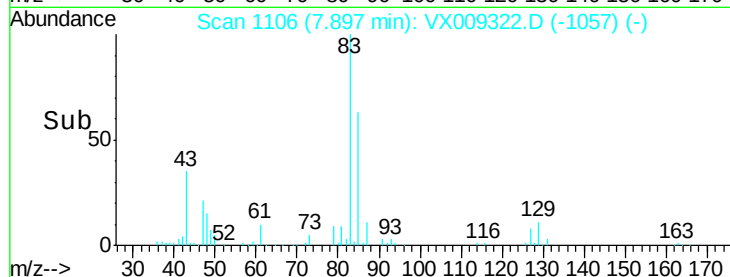
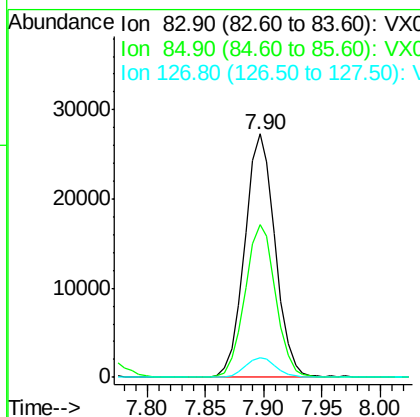
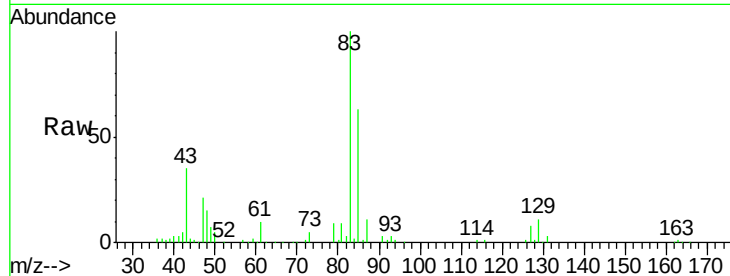
ClientSampleId :

VX0503WBSD02

Tot Ion:	83	Resp:	49670
Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.4	78.6
127	7.9	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:26:30 AM



#48

Methyl methacrylate

Concen: 20.120 ug/l

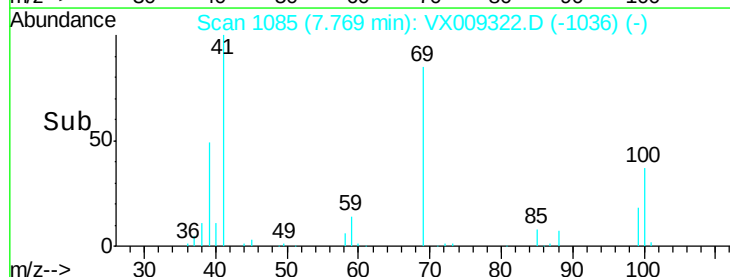
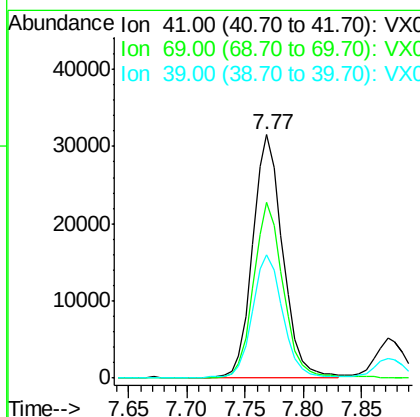
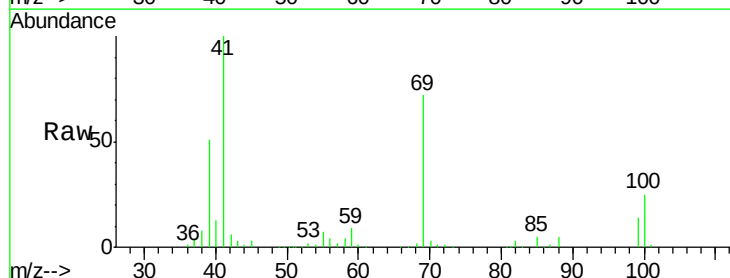
RT: 7.77 min Scan# 1085

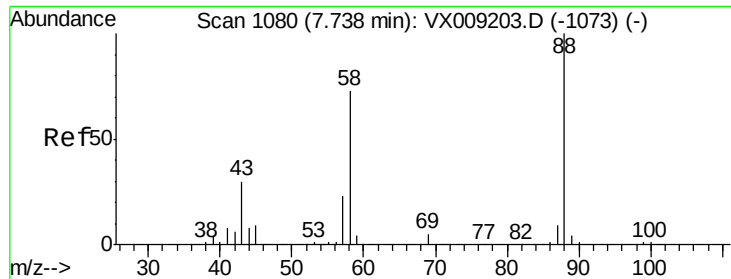
Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Tgt Ion:	41	Resp:	57230
Ion	Ratio	Lower	Upper
41	100		
69	71.9	59.1	88.7
39	50.6	40.4	60.6





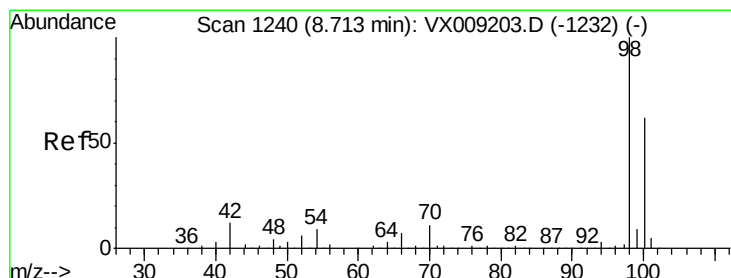
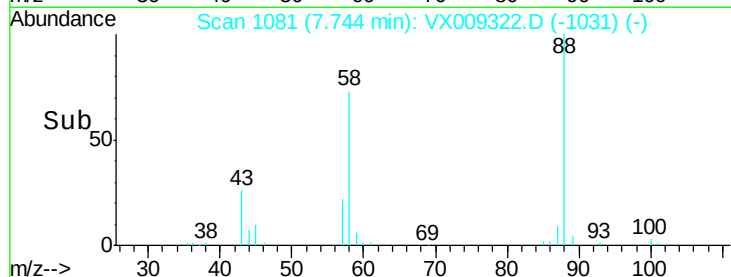
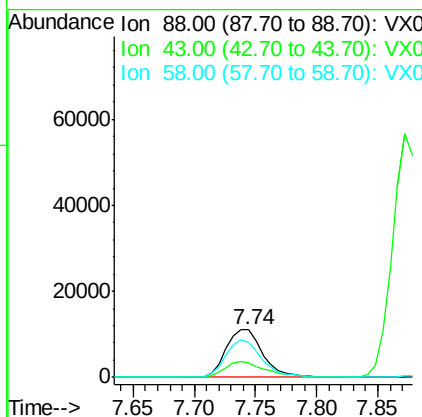
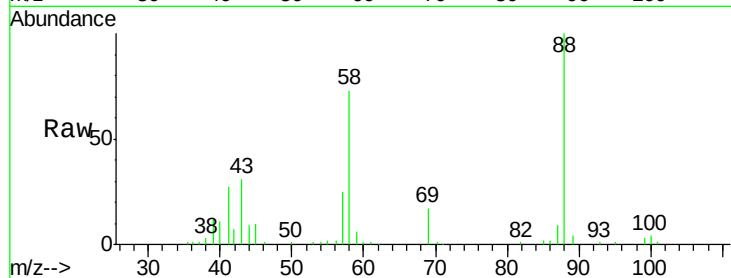
#49
1,4-Dioxane
Concen: 403.745 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	28.6	42.8
58	78.1	61.7	92.5

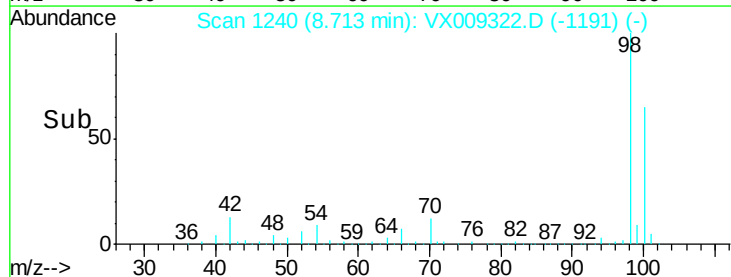
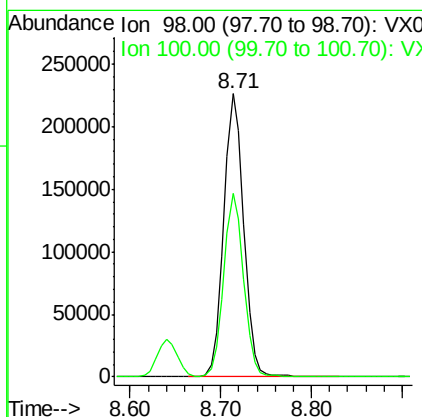
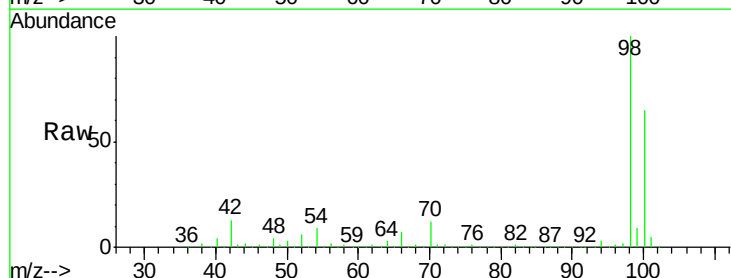
Manual Integrations
APPROVED

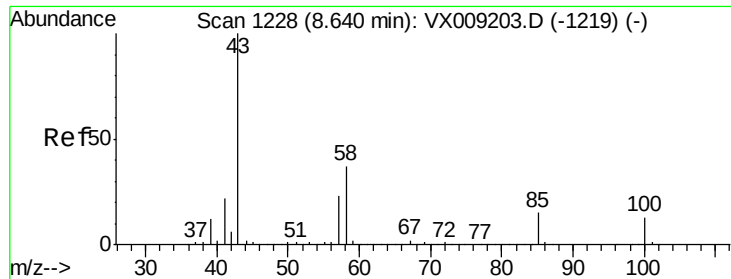
MMDadoda
5/6/2019 9:26:30 AM



#50
Toluene-d8
Concen: 49.619 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 101.042 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

Tot Ion: 43 Resp: 378646

Ion Ratio Lower Upper

43 100

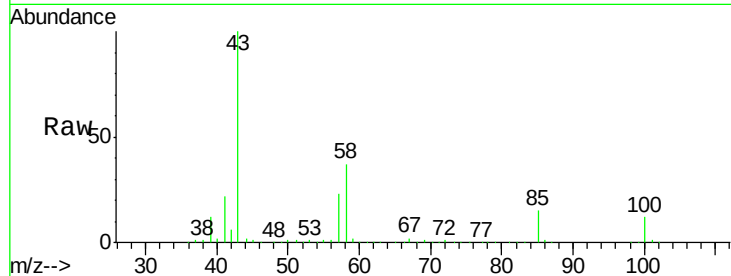
58 36.5 29.5 44.3

Manual Integrations

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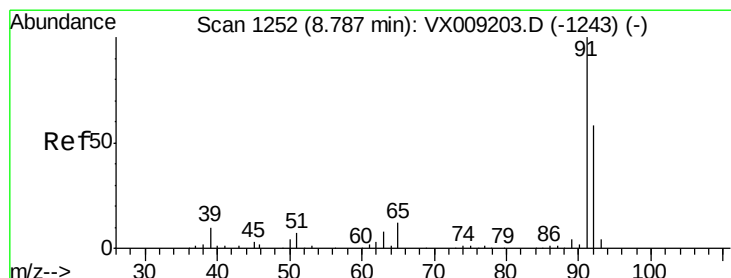
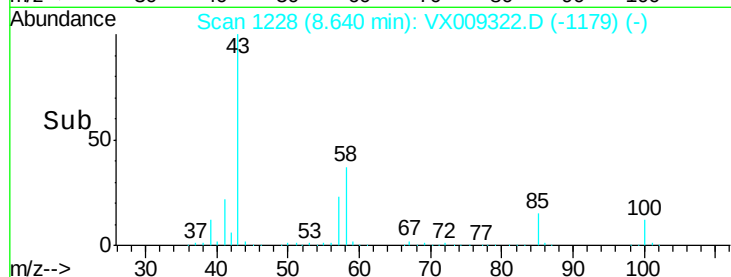
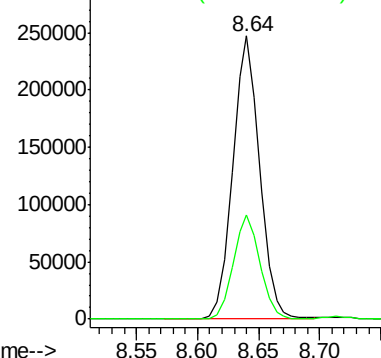
MMDadoda

5/6/2019 9:26:30 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.107 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009322.D

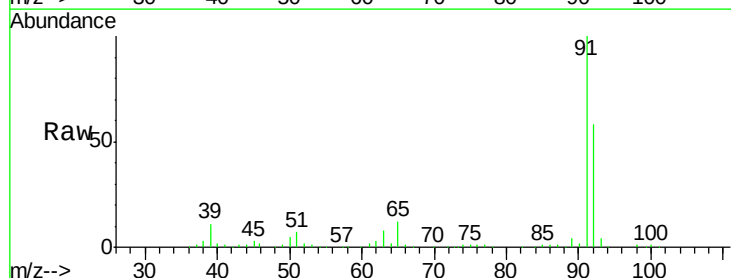
Acq: 03 May 2019 20:10

Tgt Ion: 92 Resp: 92472

Ion Ratio Lower Upper

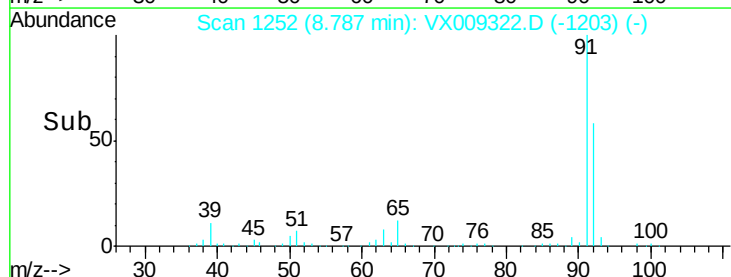
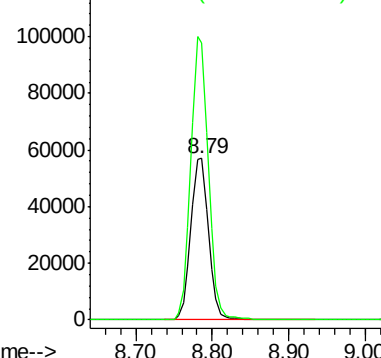
92 100

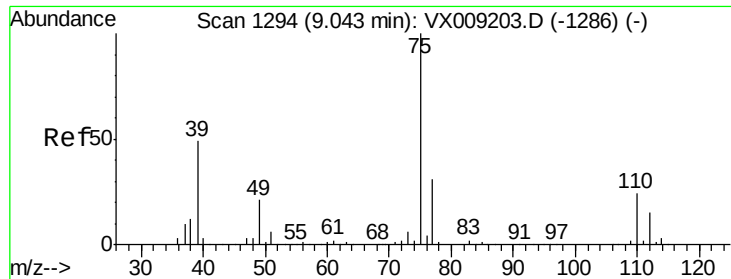
91 172.7 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





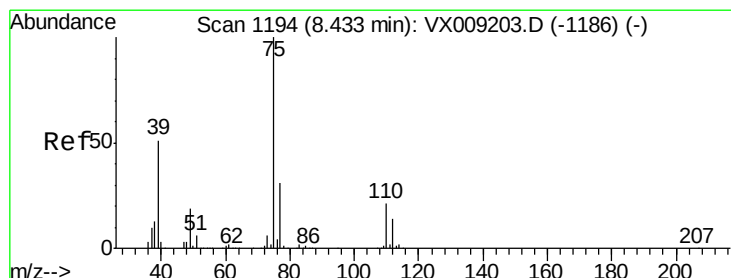
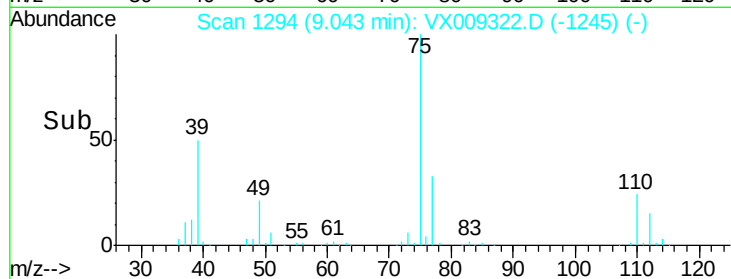
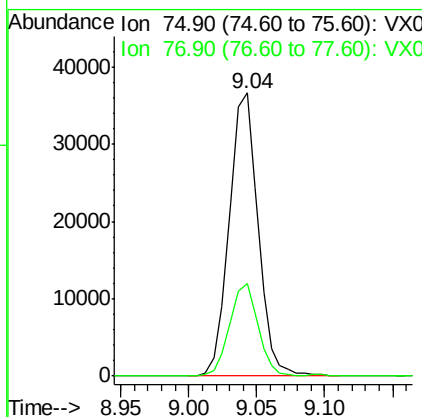
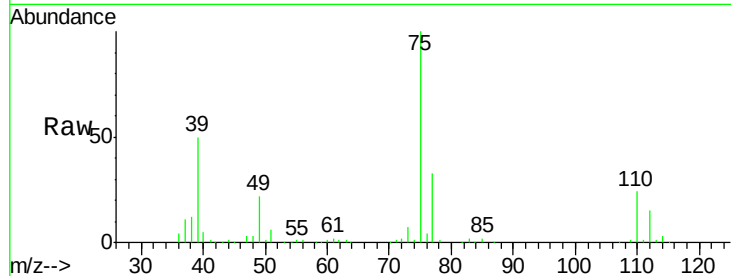
#53
t-1,3-Dichloropropene
Concen: 18.366 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion: 75 Resp: 54149
Ion Ratio Lower Upper
75 100
77 32.7 25.0 37.6

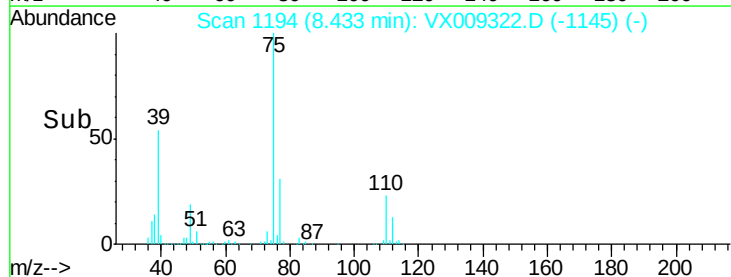
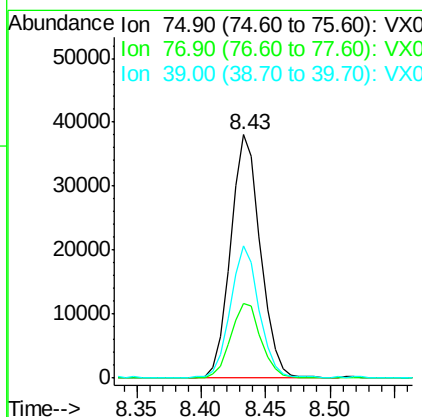
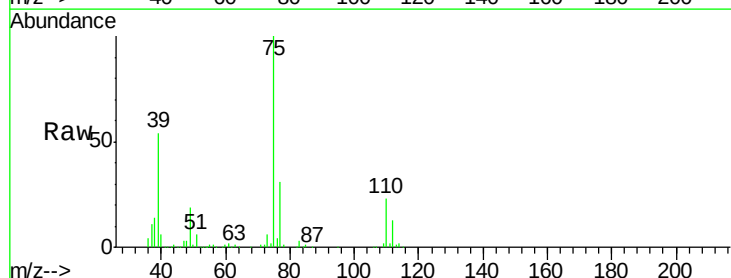
Manual Integrations
APPROVED

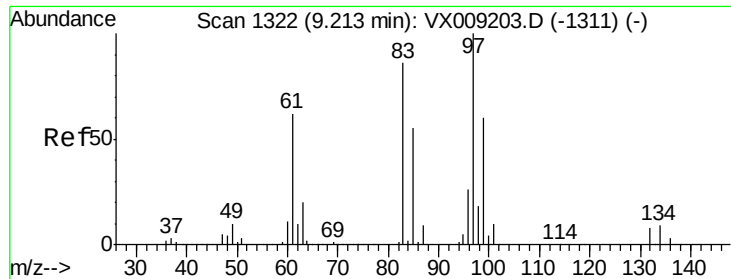
MMDadoda
5/6/2019 9:26:30 AM



#54
cis-1,3-Dichloropropene
Concen: 18.883 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion: 75 Resp: 61620
Ion Ratio Lower Upper
75 100
77 30.7 24.6 36.8
39 54.1 40.6 60.8





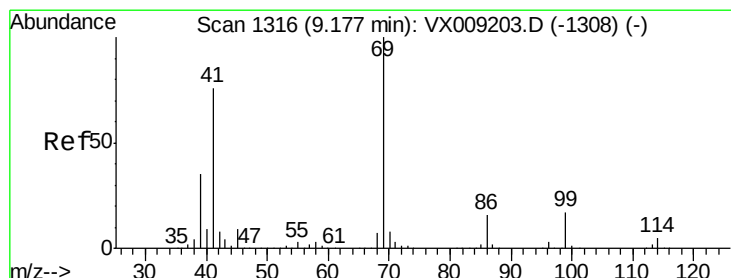
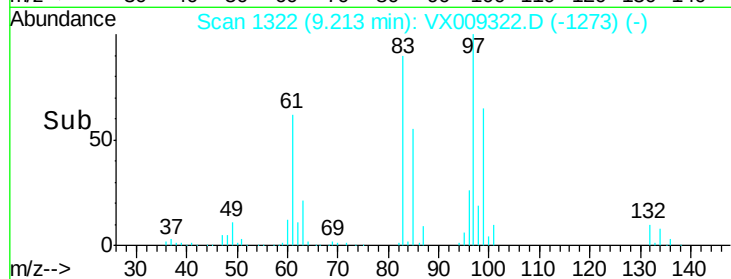
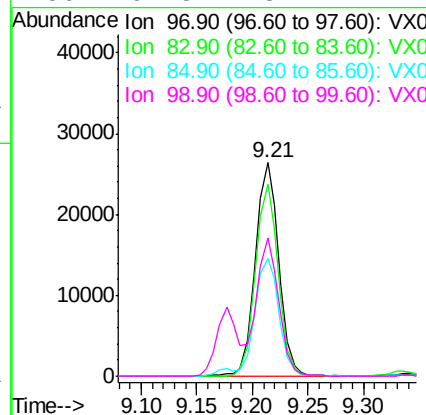
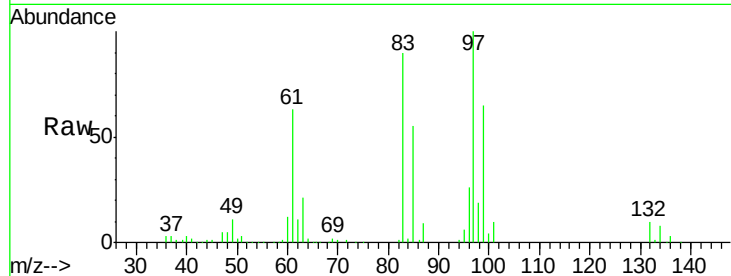
#55
 1,1,2-Trichloroethane
 Concen: 19.711 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD02

Tot Ion:	97	Resp:	38918
Ion	Ratio	Lower	Upper
97	100		
83	89.7	68.9	103.3
85	55.4	43.8	65.6
99	64.8	48.2	72.2

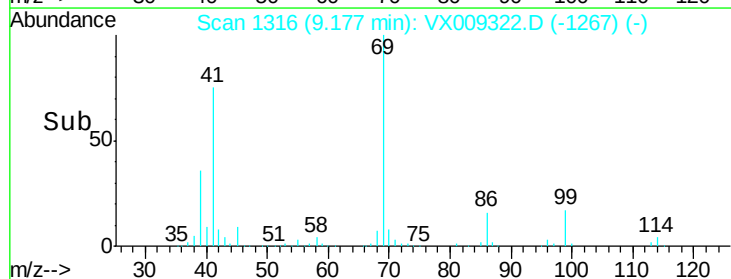
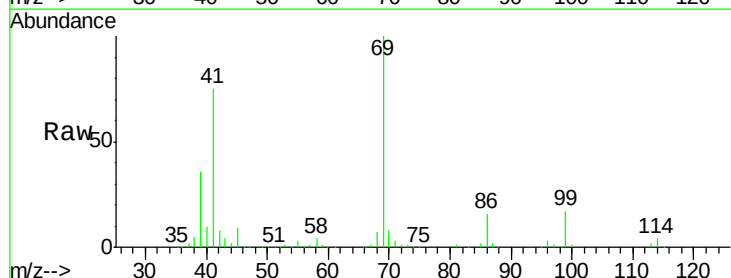
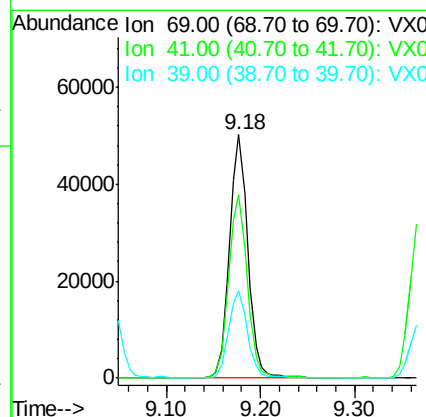
Manual Integrations
 APPROVED

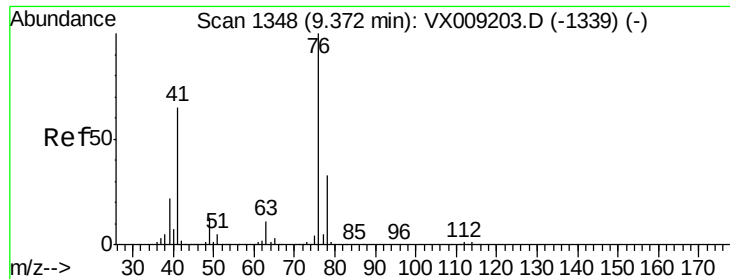
MMDadoda
 5/6/2019 9:26:30 AM



#56
 Ethyl methacrylate
 Concen: 19.465 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Tgt Ion:	69	Resp:	68605
Ion	Ratio	Lower	Upper
69	100		
41	75.8	60.6	90.8
39	36.3	28.2	42.4





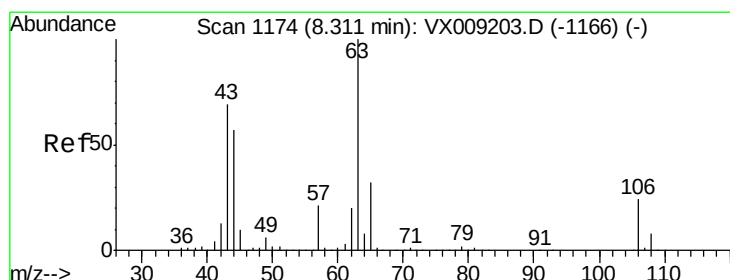
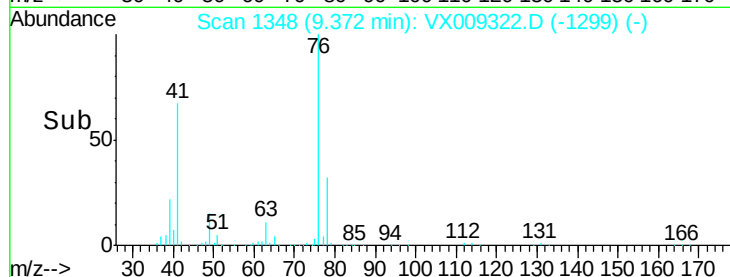
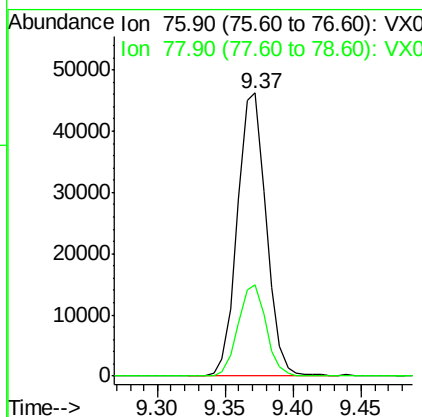
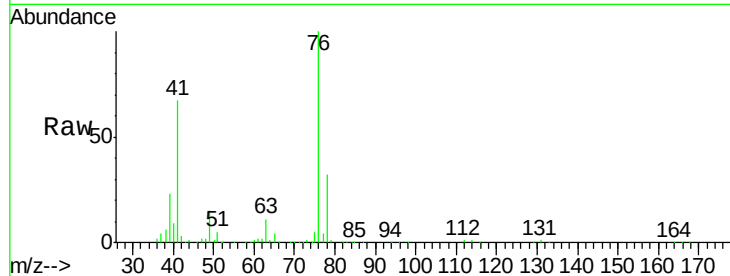
#57
 1,3-Dichloropropane
 Concen: 19.621 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD02

Tot Ion: 76 Resp: 68173
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.5 38.3

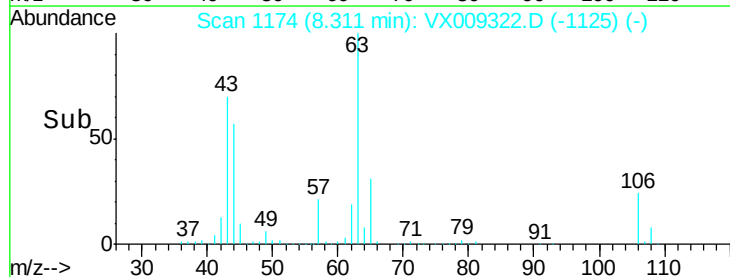
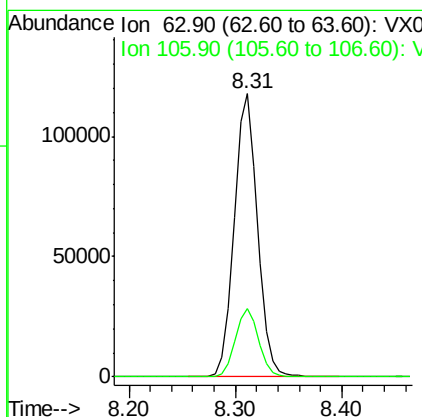
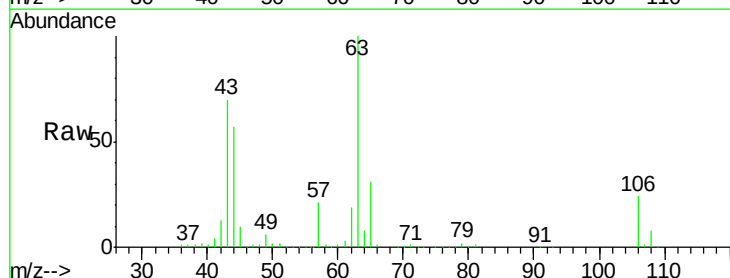
Manual Integrations
 APPROVED

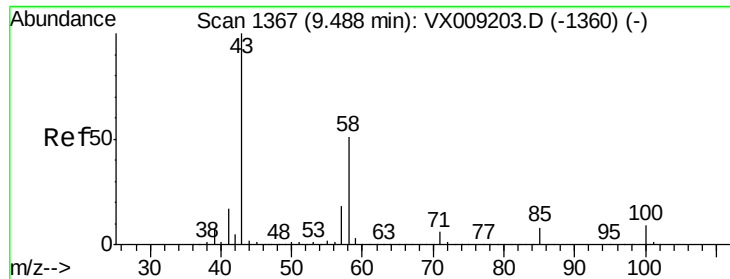
MMDadoda
 5/6/2019 9:26:30 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.868 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Tgt Ion: 63 Resp: 181117
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.7 29.5





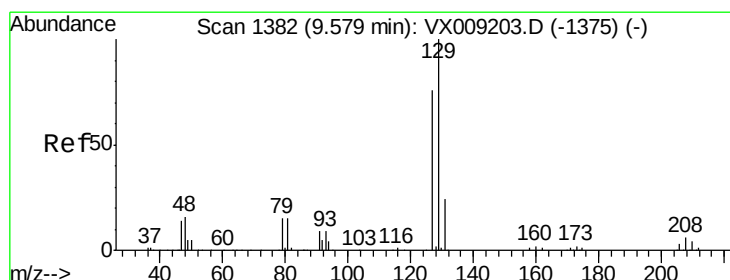
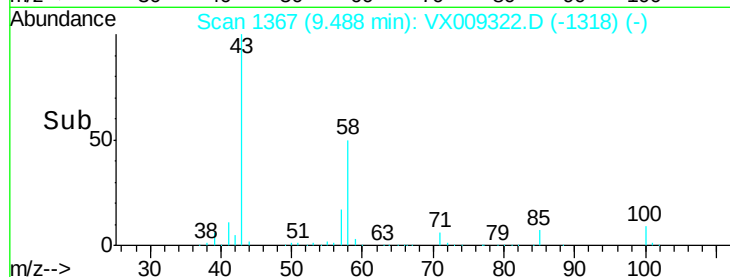
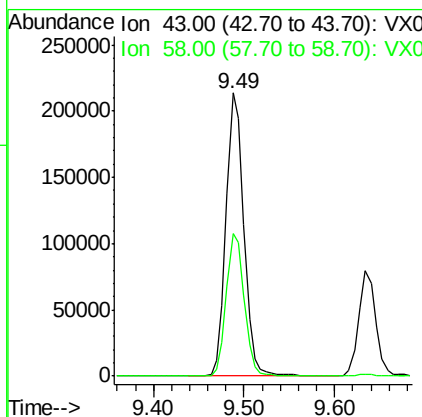
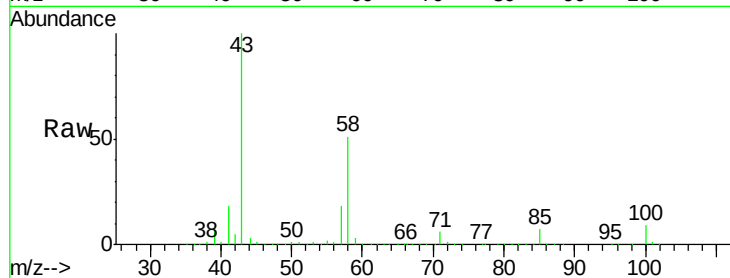
#59
2-Hexanone
Concen: 99.435 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.2	25.9	77.7

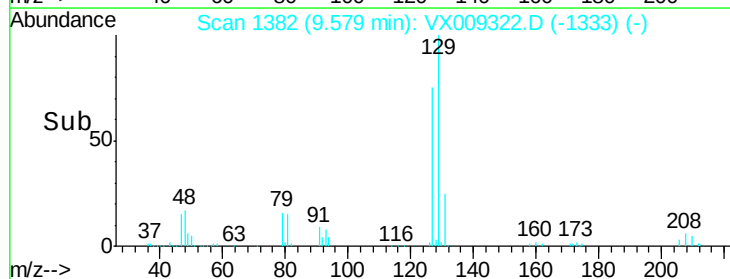
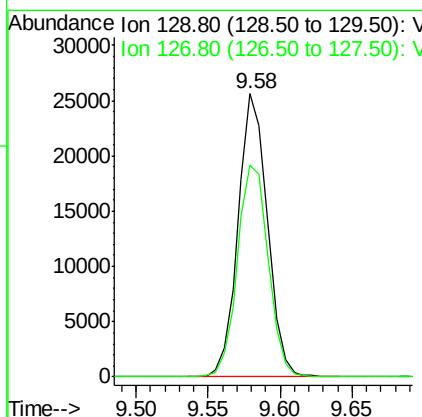
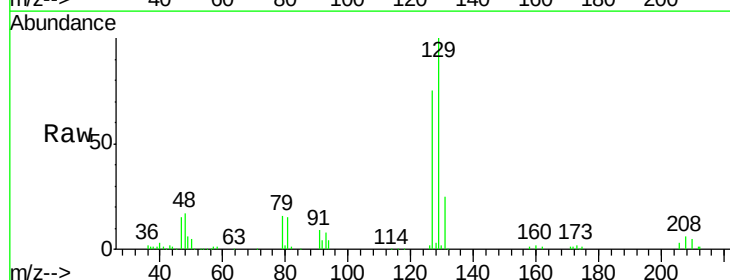
Manual Integrations
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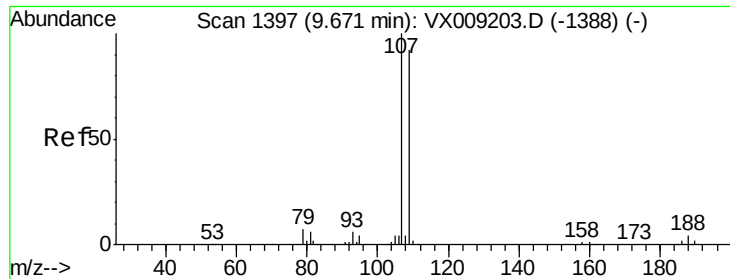
MMDadoda
5/6/2019 9:26:30 AM



#60
Dibromochloromethane
Concen: 18.740 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.4	115.1





#61

1,2-Dibromoethane

Concen: 19.638 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

Tot Ion: 107 Resp: 39140

Ion Ratio Lower Upper

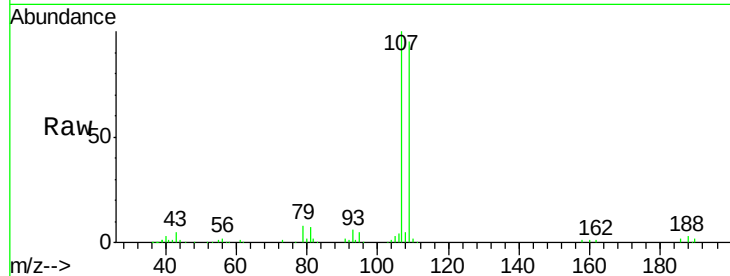
107 100

109 93.9 75.2 112.8

Manual Integrations
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5/6/2019 9:26:30 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

25000

20000

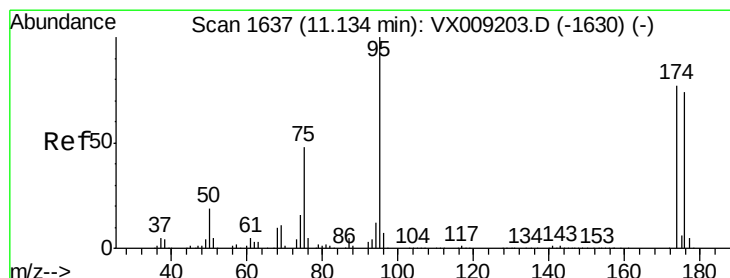
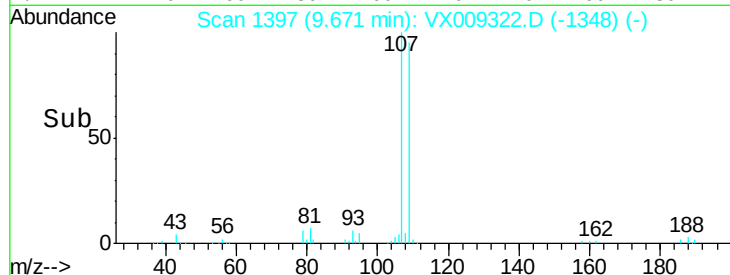
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.892 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

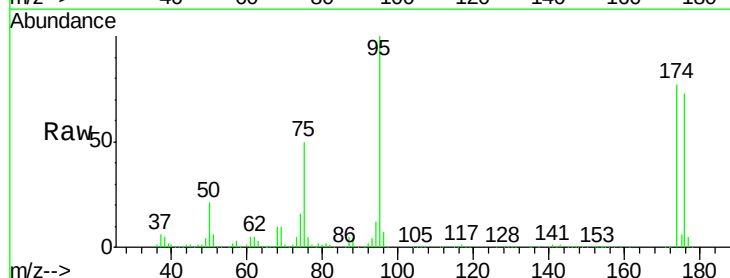
Tgt Ion: 95 Resp: 124815

Ion Ratio Lower Upper

95 100

174 81.8 0.0 161.6

176 78.5 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

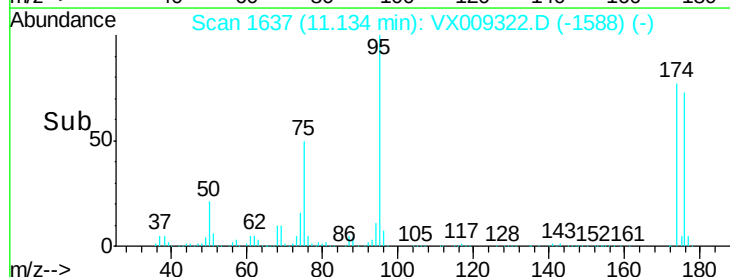
11.13

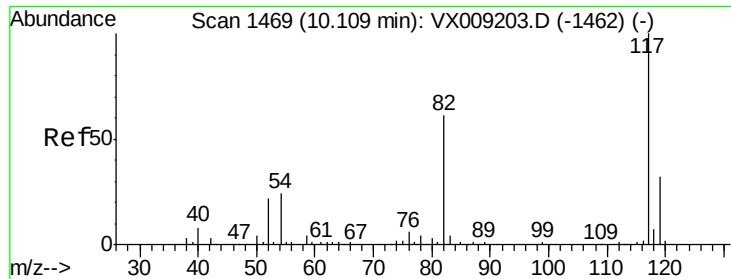
100000

50000

0

Time-->





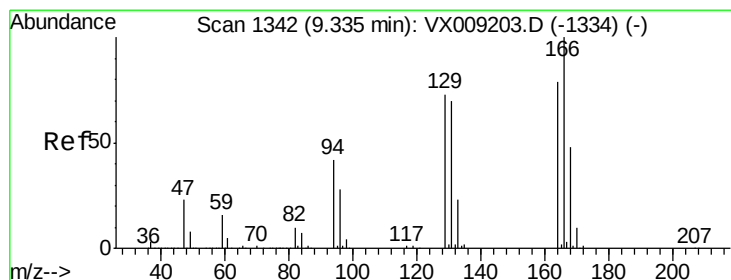
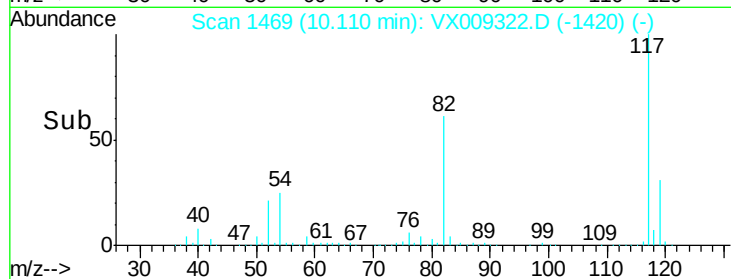
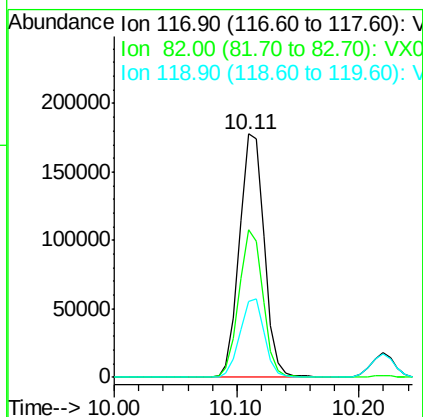
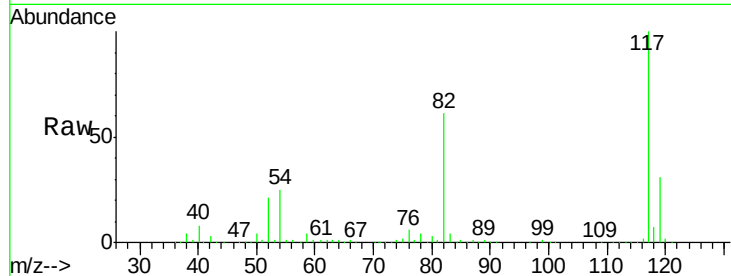
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	248346		
82	60.6	48.8	73.2	
119	31.3	25.8	38.6	

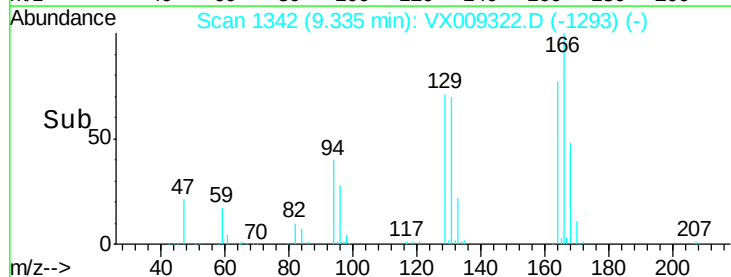
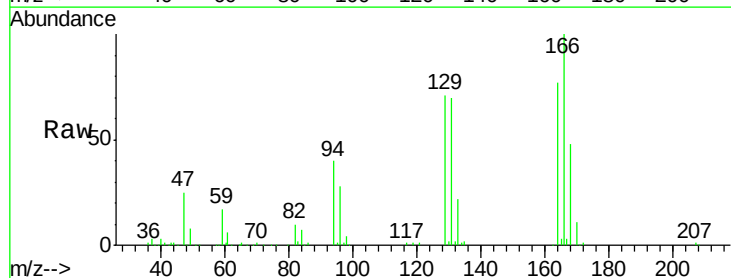
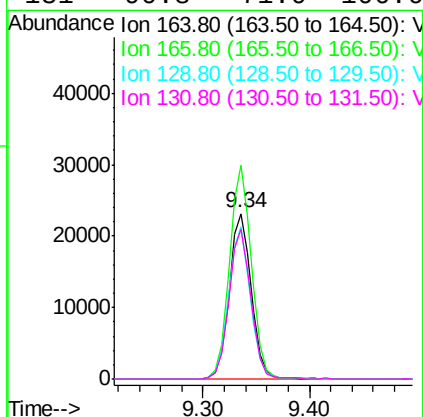
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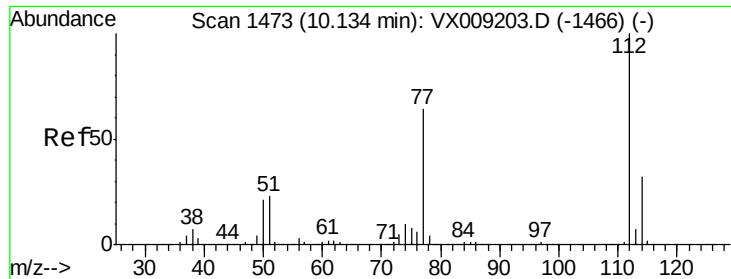
MMDadoda
5/6/2019 9:26:30 AM



#64
Tetrachloroethene
Concen: 19.694 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33550		
166	129.3	101.2	151.8	
129	92.1	74.3	111.5	
131	90.8	71.0	106.6	





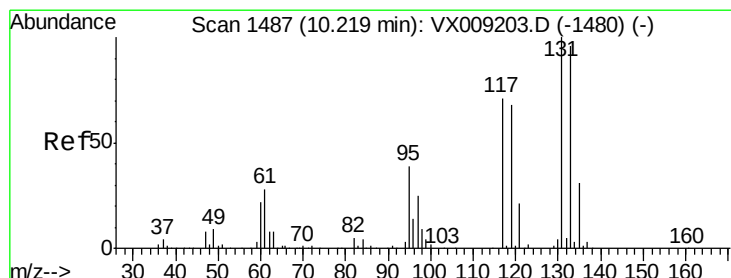
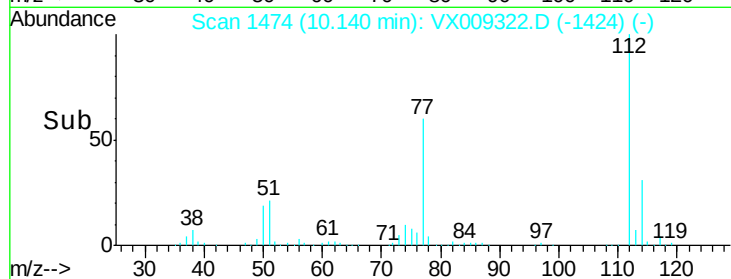
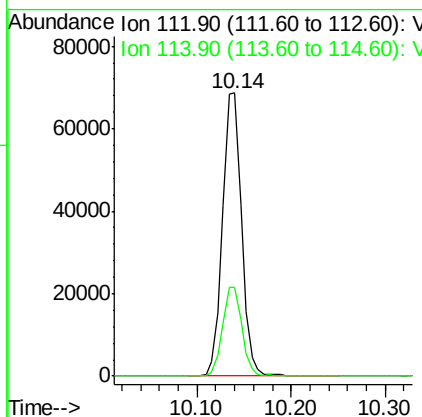
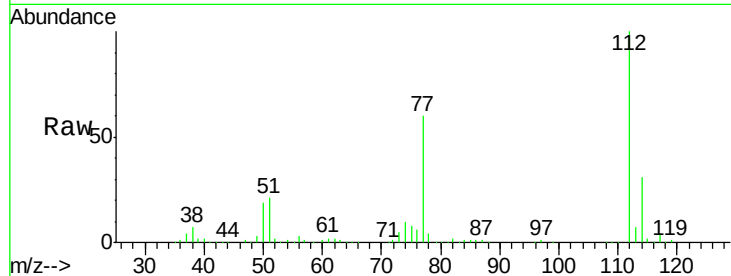
#65
Chlorobenzene
Concen: 19.420 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion:112 Resp: 96477
Ion Ratio Lower Upper
112 100
114 31.3 25.5 38.3

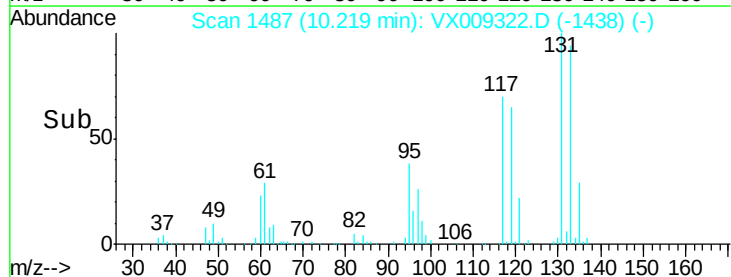
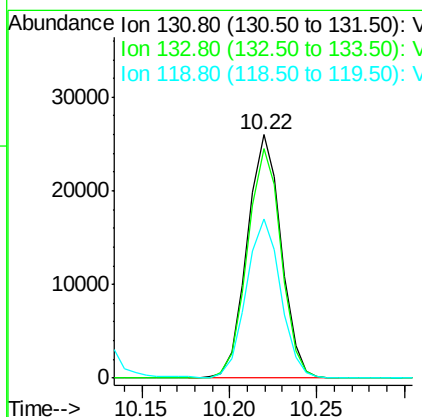
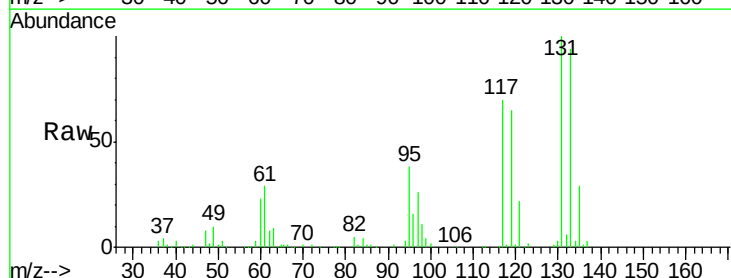
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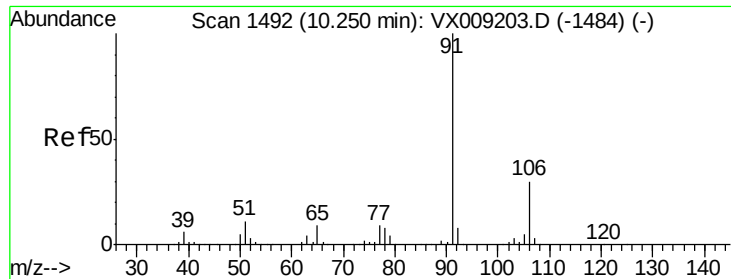
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.431 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion:131 Resp: 34998
Ion Ratio Lower Upper
131 100
133 94.2 47.7 143.1
119 66.5 33.5 100.4





#67

Ethyl Benzene

Concen: 18.984 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampled :

VX0503WBSD02

Tot Ion: 91 Resp: 173569

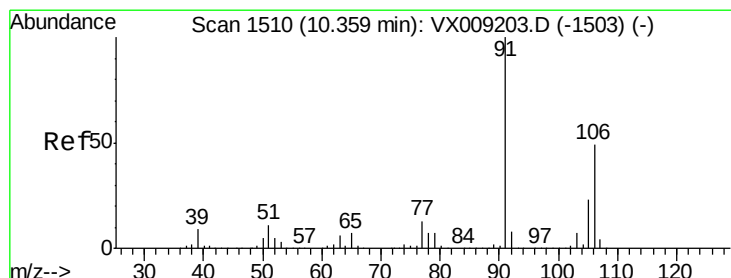
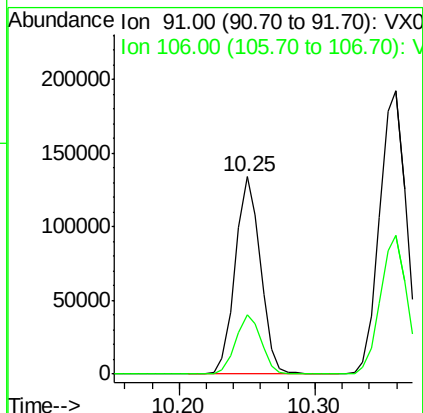
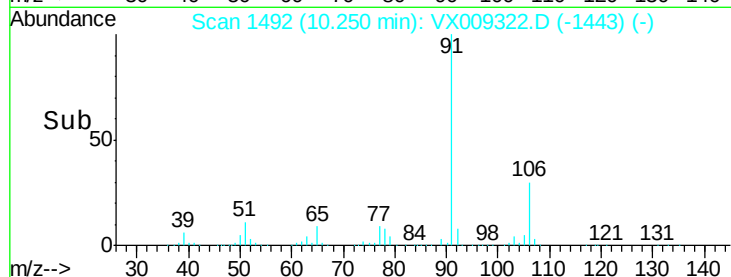
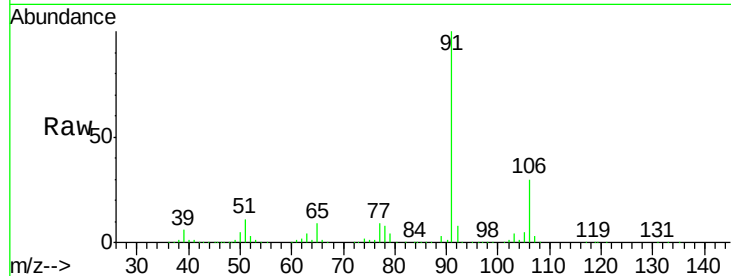
Ion Ratio Lower Upper

91 100

106 30.1 24.0 36.0

Manual Integrations
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5/6/2019 9:26:30 AM



#68

m/p-Xylenes

Concen: 38.221 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009322.D

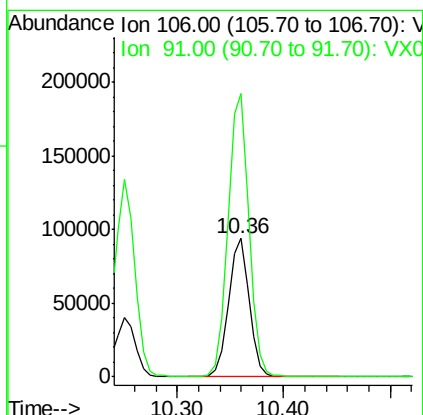
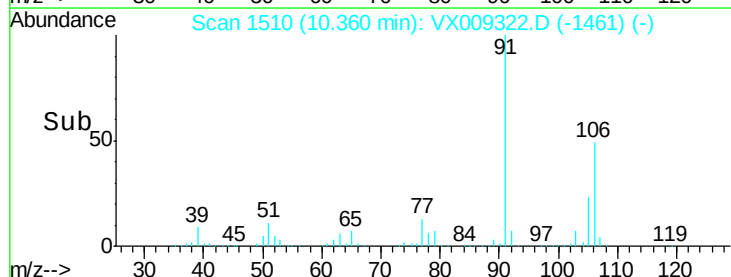
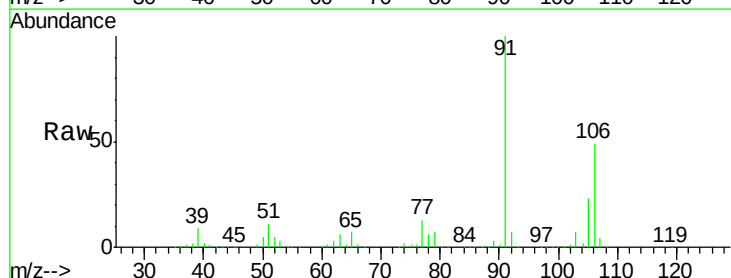
Acq: 03 May 2019 20:10

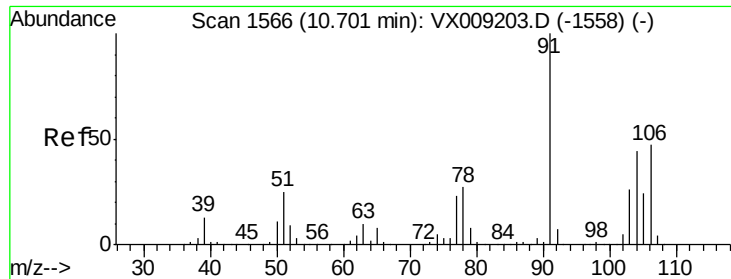
Tgt Ion: 106 Resp: 127704

Ion Ratio Lower Upper

106 100

91 207.3 164.0 246.0





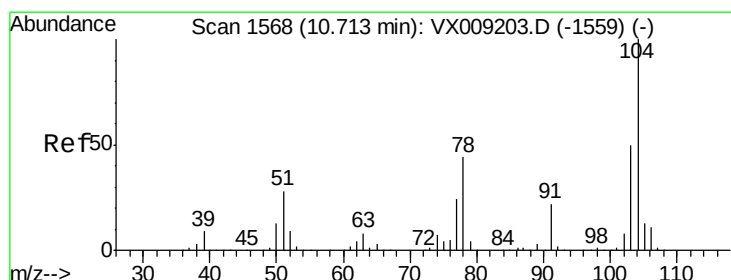
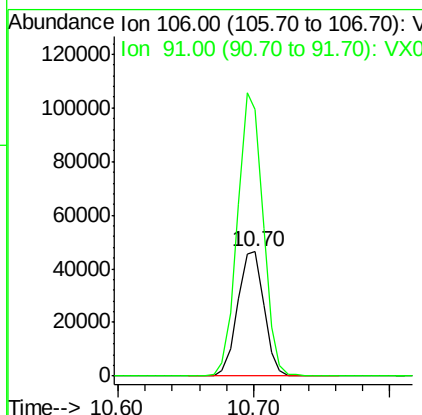
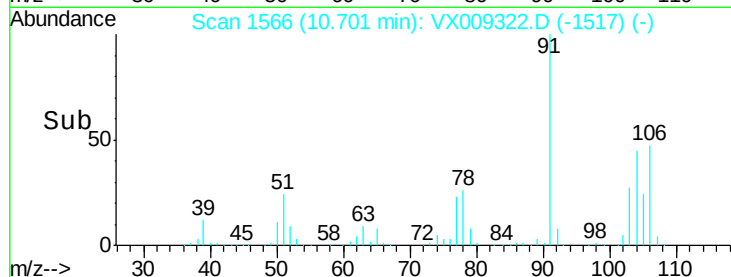
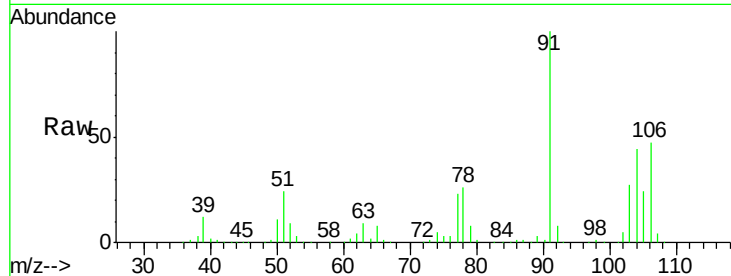
#69
o-Xylene
Concen: 19.127 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion:106 Resp: 63055
Ion Ratio Lower Upper
106 100
91 219.5 109.5 328.4

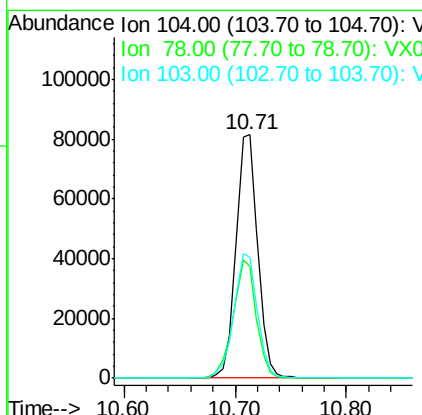
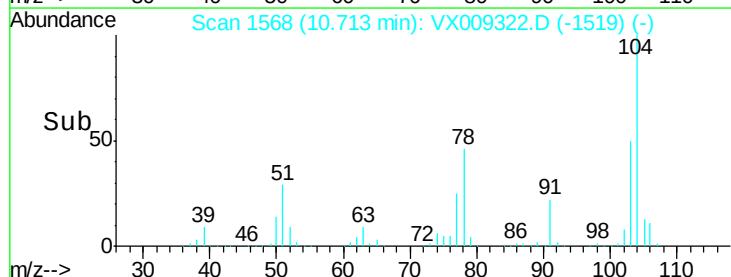
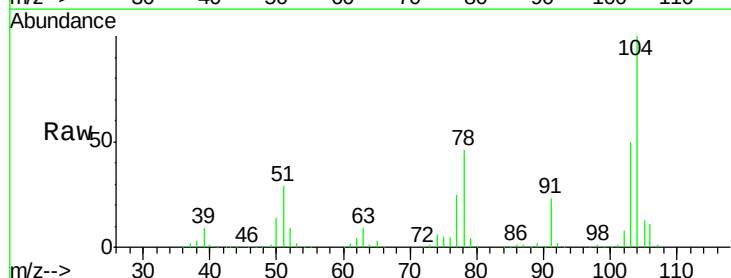
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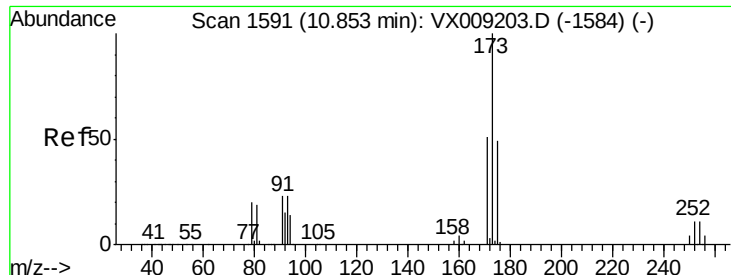
MMDadoda
5/6/2019 9:26:30 AM



#70
Styrene
Concen: 19.224 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion:104 Resp: 110147
Ion Ratio Lower Upper
104 100
78 51.5 41.0 61.4
103 55.3 43.8 65.6





#71

Bromoform

Concen: 18.796 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

Tot Ion:173 Resp: 27511

Ion Ratio Lower Upper

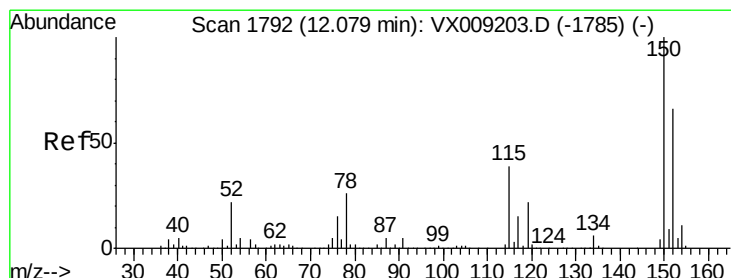
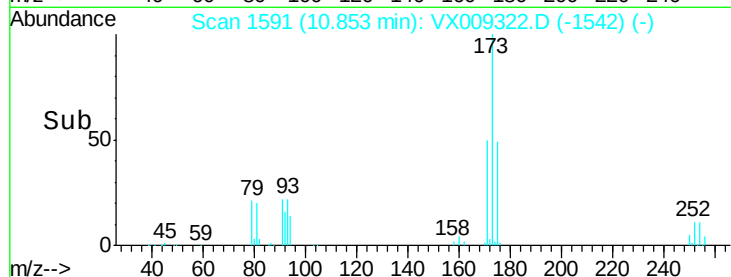
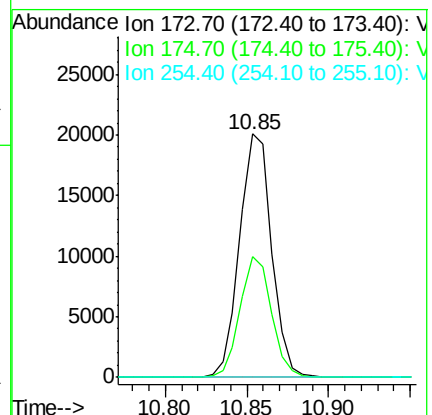
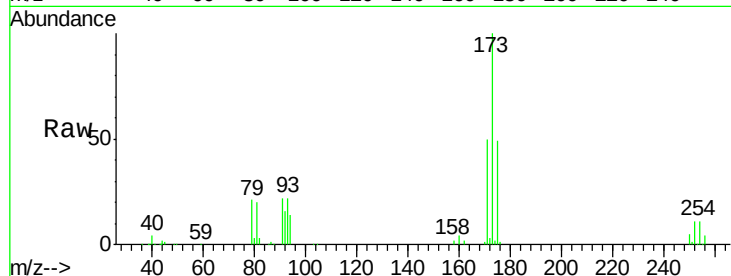
173 100

175 48.5 24.5 73.5

254 0.1 0.1 0.1#

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5/6/2019 9:26:30 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

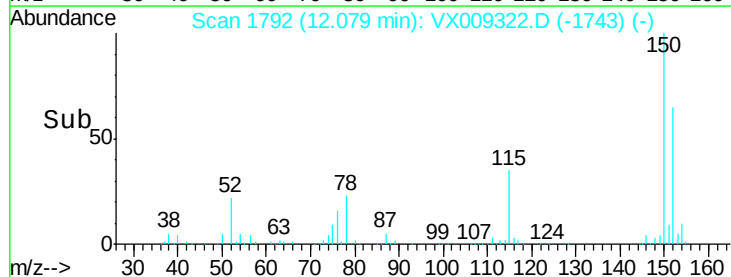
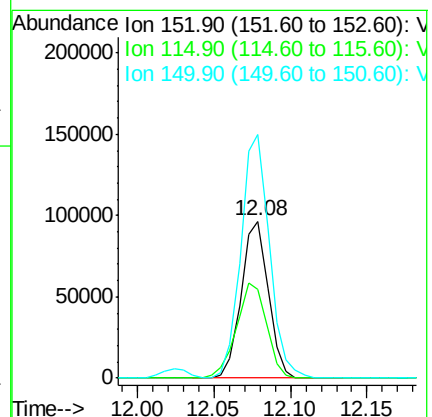
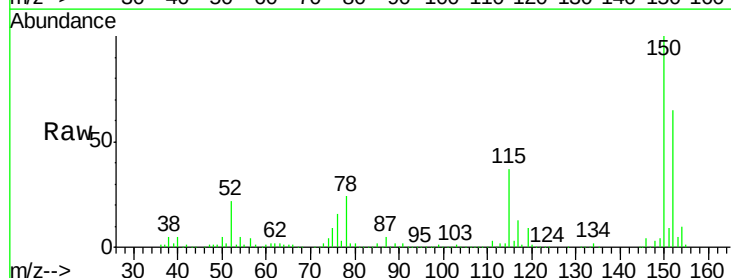
Tgt Ion:152 Resp: 118521

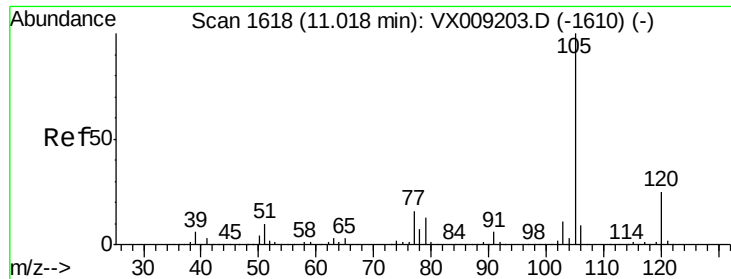
Ion Ratio Lower Upper

152 100

115 67.6 41.2 123.6

150 162.9 0.0 346.4





#73

Isopropylbenzene

Concen: 19.624 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

Tot Ion: 105 Resp: 169131

Ion Ratio Lower Upper

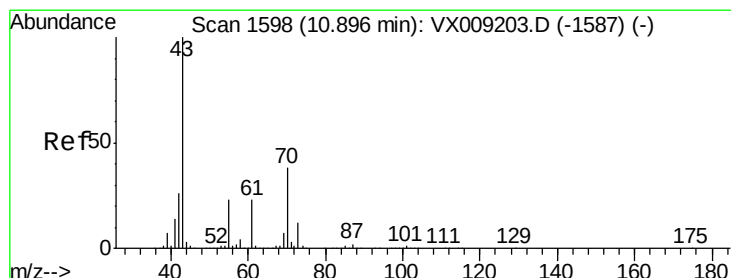
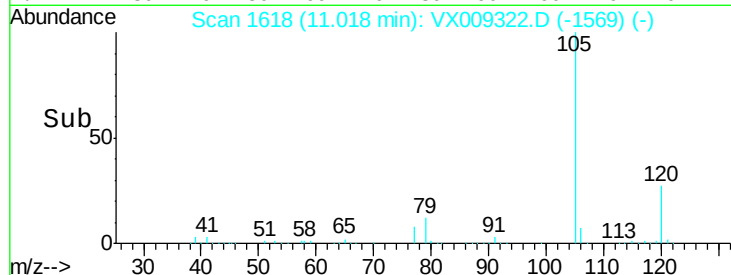
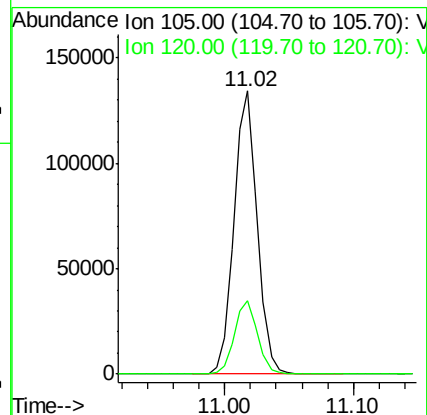
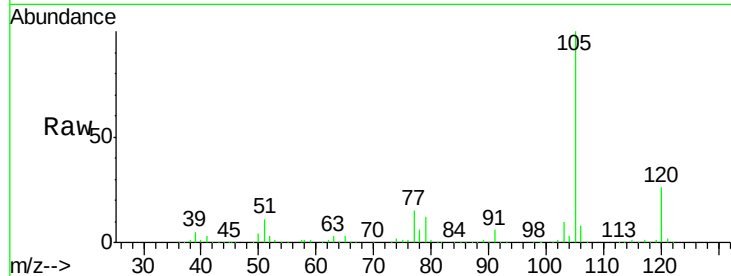
105 100

120 25.7 12.8 38.3

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#74

N-ethyl acetate

Concen: 19.834 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Tgt Ion: 43 Resp: 99662

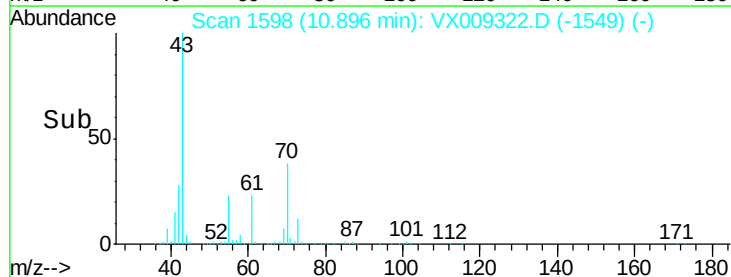
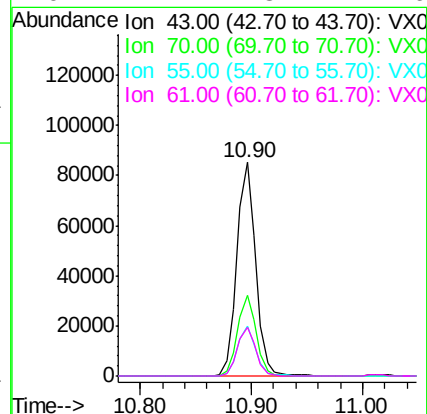
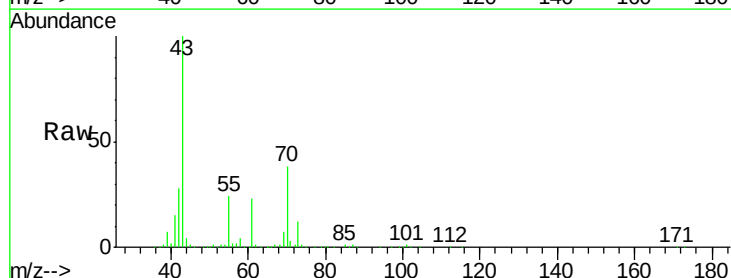
Ion Ratio Lower Upper

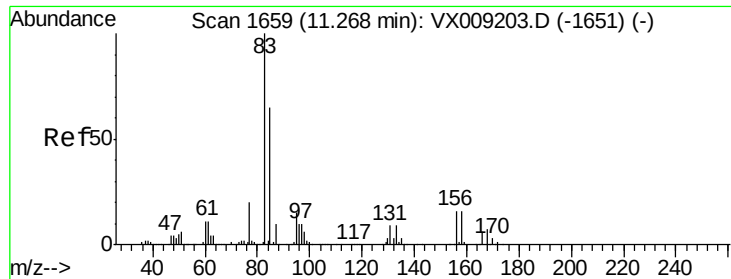
43 100

70 37.5 30.0 45.0

55 23.3 17.9 26.9

61 22.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.868 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

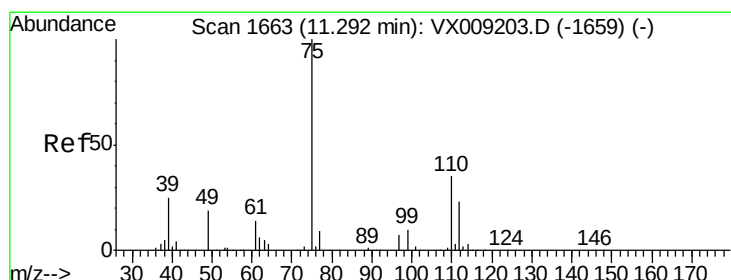
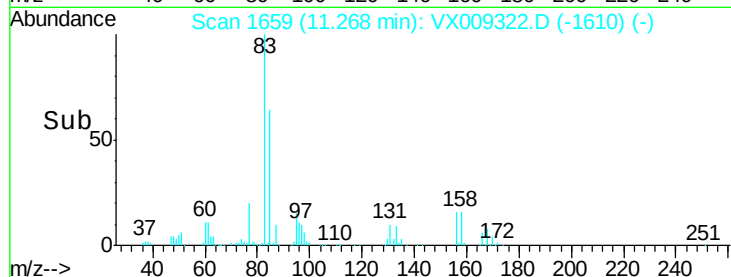
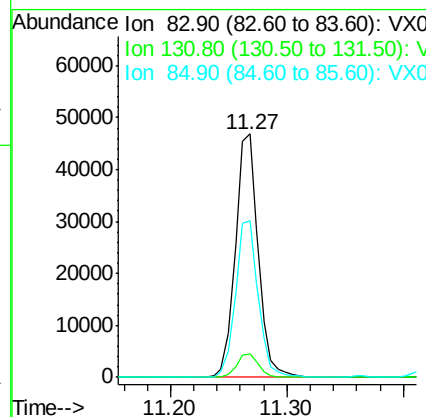
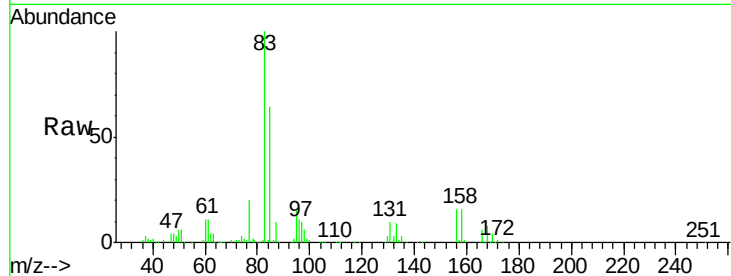
ClientSampleId :

VX0503WBSD02

Tot Ion:	83	Resp:	63833
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.6	13.8
85	64.4	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.235 ug/l m

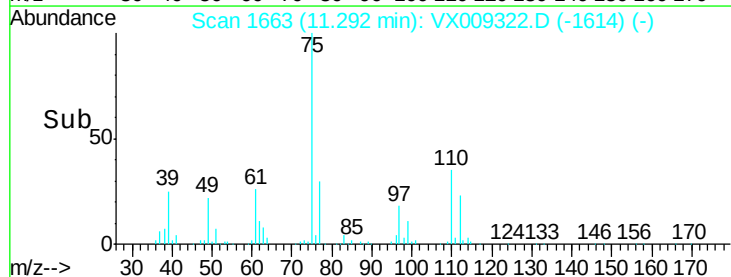
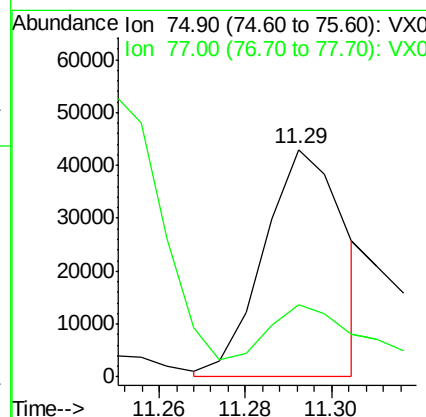
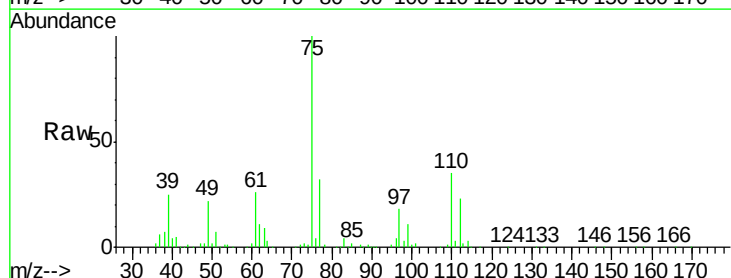
RT: 11.29 min Scan# 1663

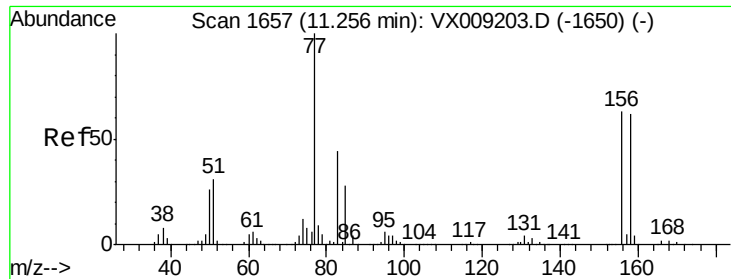
Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Tgt Ion:	75	Resp:	55632
Ion Ratio	Lower	Upper	
75	100		
77	41.6	22.1	66.1





#77

Bromobenzene

Concen: 19.438 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

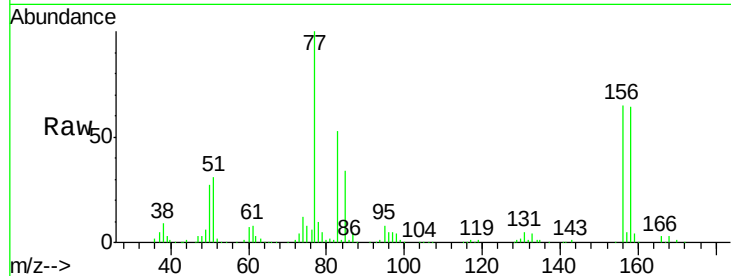
ClientSampled :

VX0503WBSD02

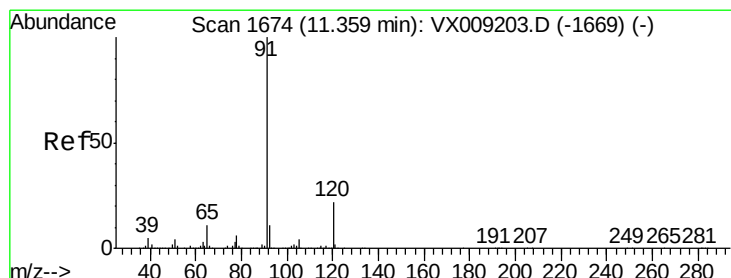
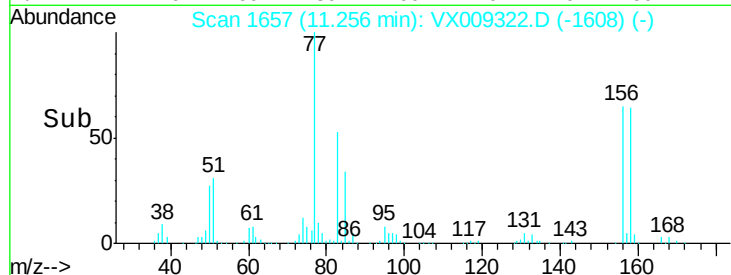
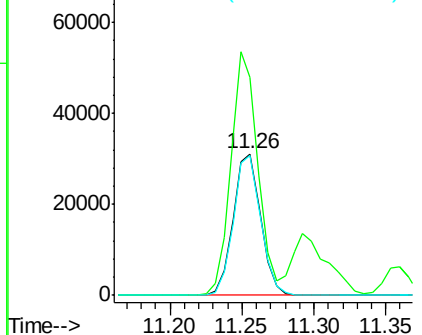
Tot Ion:	156	Resp:	41581
Ion	Ratio	Lower	Upper
156	100		
77	168.3	84.8	254.3
158	97.9	49.1	147.3

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.252 ug/l

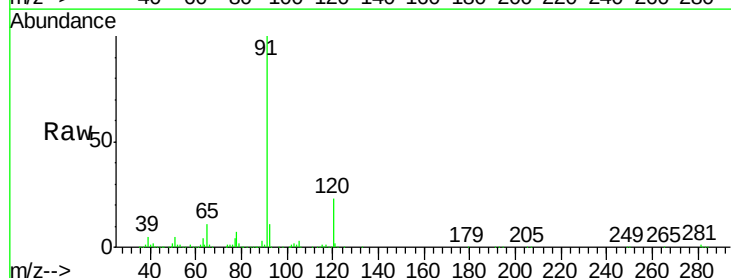
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

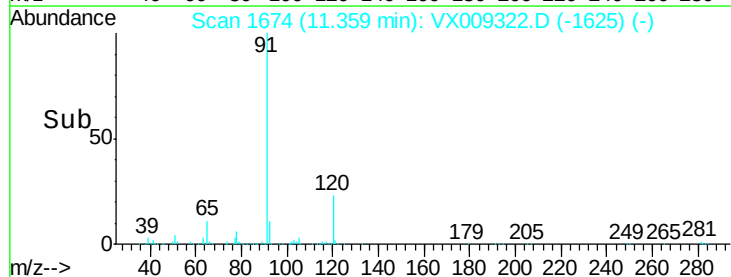
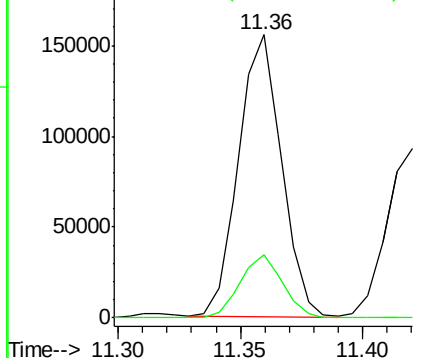
Lab File: VX009322.D

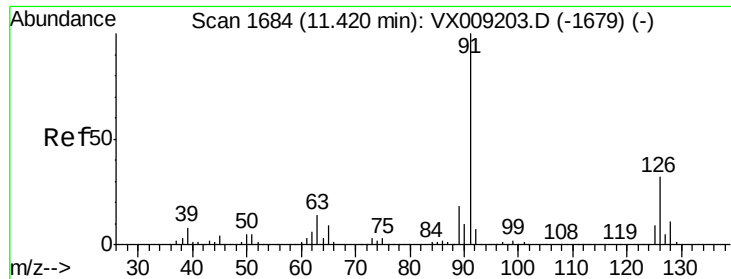
Acq: 03 May 2019 20:10

Tgt Ion:	91	Resp:	189502
Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.210 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampled :

VX0503WBSD02

Tot Ion: 91 Resp: 116657

Ion Ratio Lower Upper

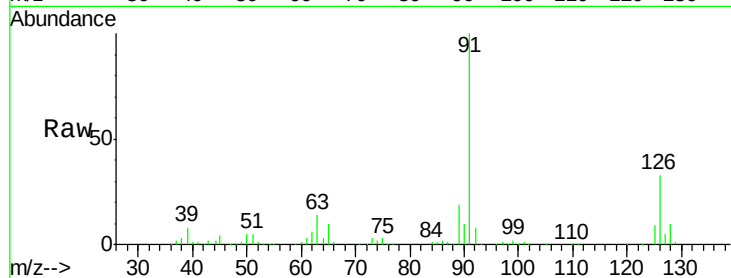
91 100

126 32.5 16.3 48.9

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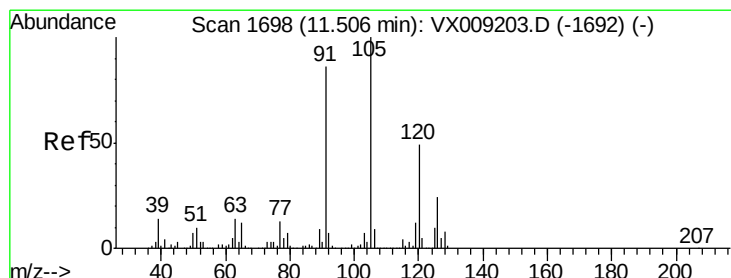
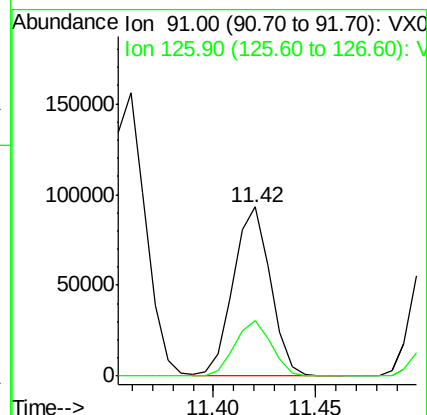
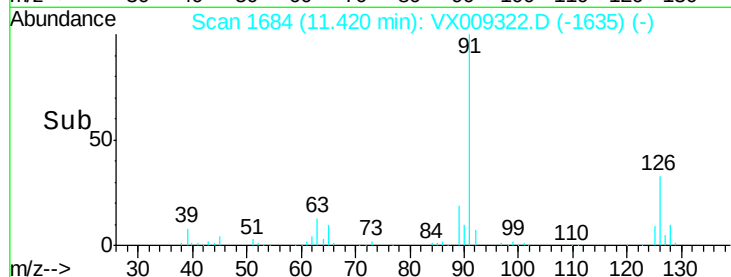
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Abundance Ion 91.00 (90.70 to 91.70): VX009322.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX009322.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.678 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009322.D

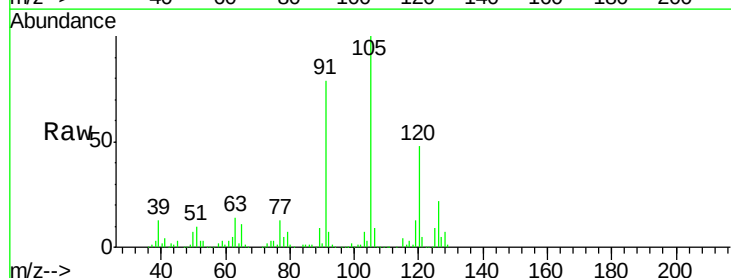
Acq: 03 May 2019 20:10

Tgt Ion: 105 Resp: 142805

Ion Ratio Lower Upper

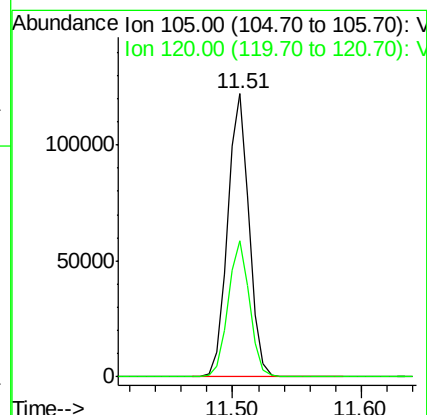
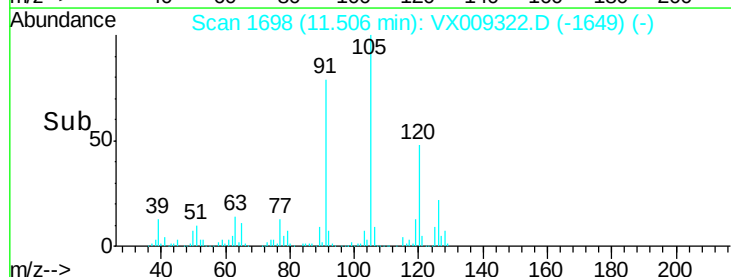
105 100

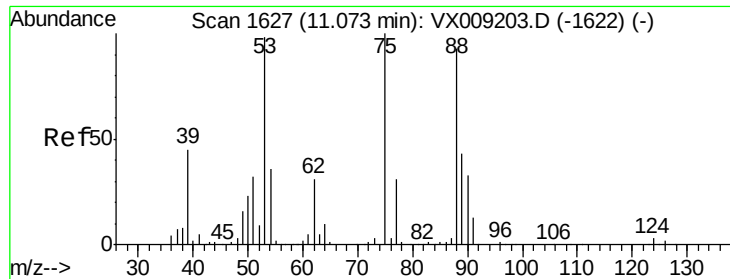
120 48.1 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009322.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX009322.D (-1649) (-)





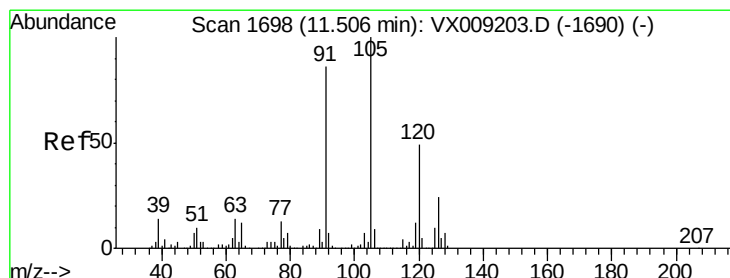
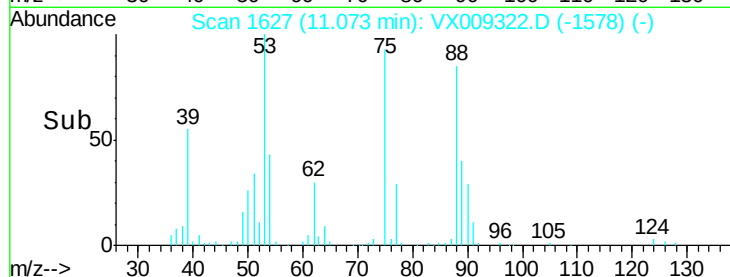
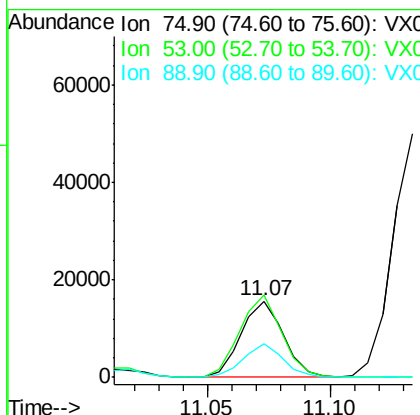
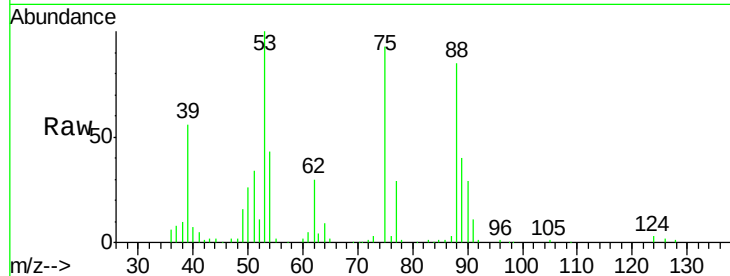
#81
trans-1,4-Dichloro-2-butene
Concen: 17.524 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.9	79.0	118.6
89	42.1	34.7	52.1

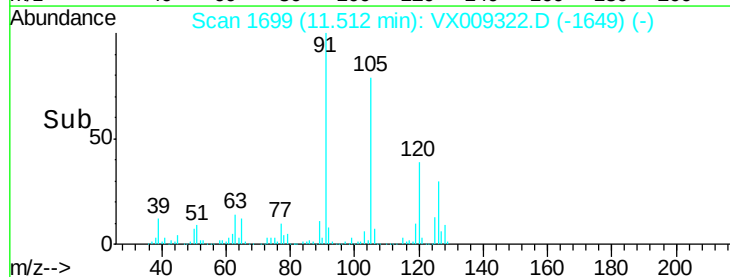
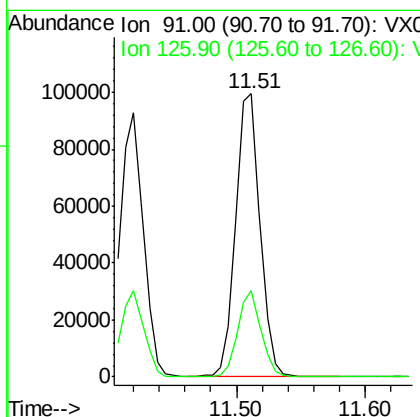
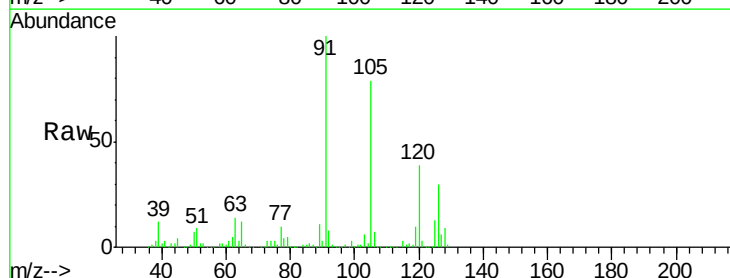
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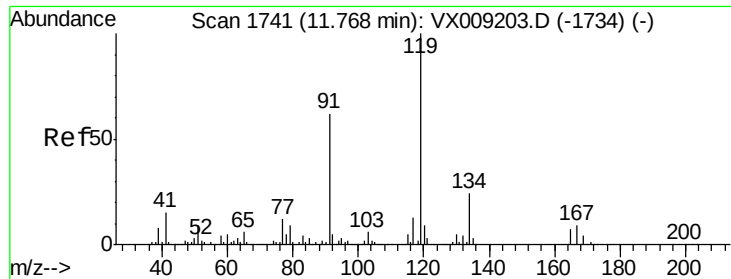
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#82
4-Chlorotoluene
Concen: 19.073 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.5	43.6





#83

tert-Butylbenzene

Concen: 19.171 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

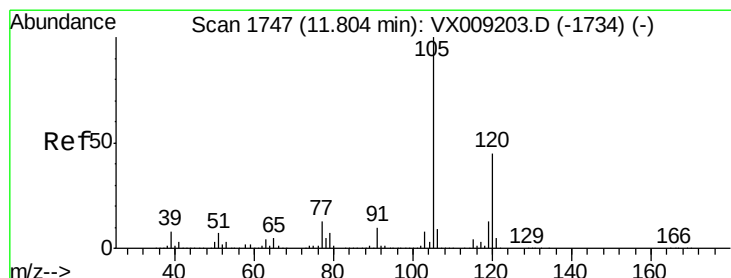
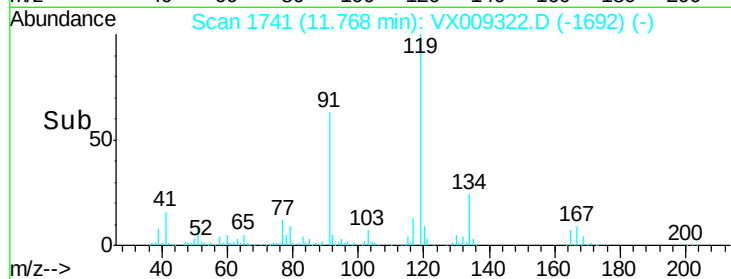
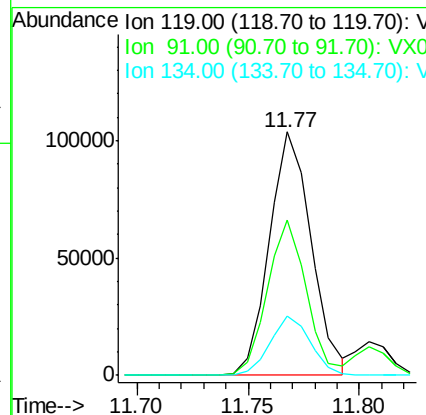
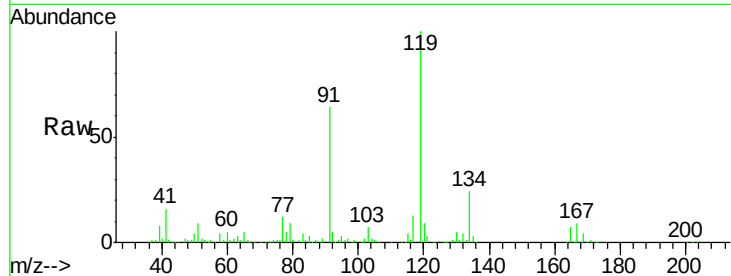
ClientSampleId :

VX0503WBSD02

Tot Ion:	119	Resp:	135338
Ion Ratio	Lower	Upper	
119	100		
91	59.7	29.5	88.5
134	23.2	11.4	34.1

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#84

1,2,4-Trimethylbenzene

Concen: 19.674 ug/l

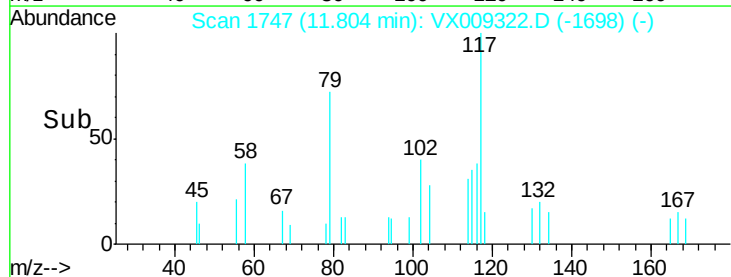
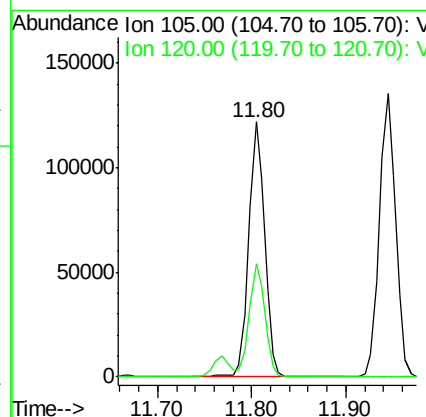
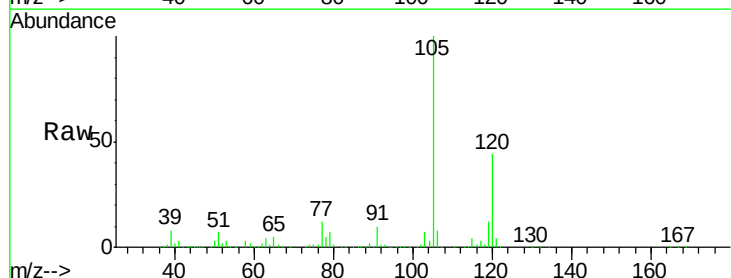
RT: 11.80 min Scan# 1747

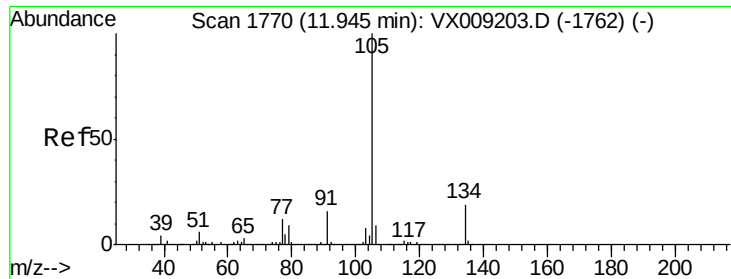
Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Tgt Ion:	105	Resp:	143307
Ion Ratio	Lower	Upper	
105	100		
120	43.5	22.0	66.0





#85

sec-Butylbenzene

Concen: 19.405 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

Tot Ion:105 Resp: 162414

Ion Ratio Lower Upper

105 100

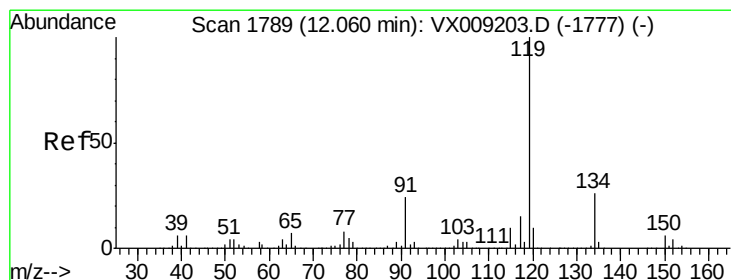
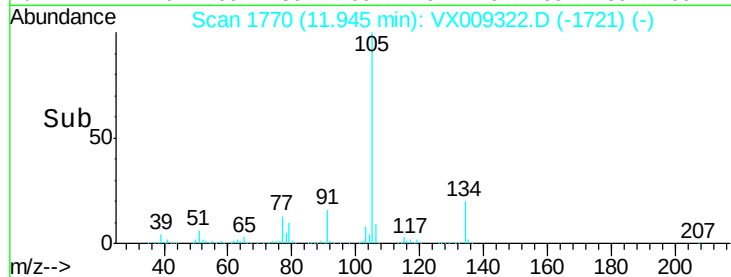
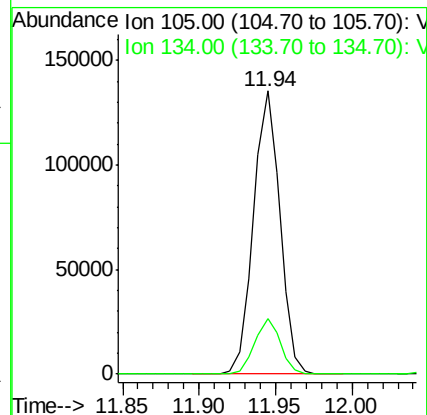
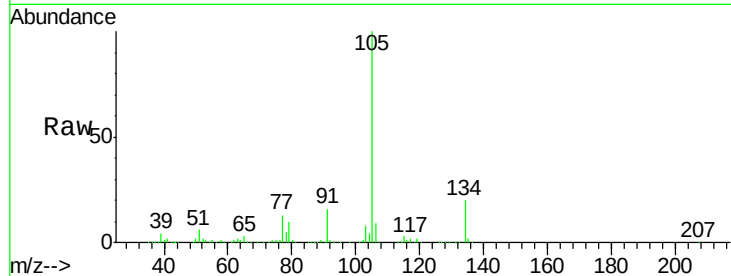
134 19.2 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.433 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

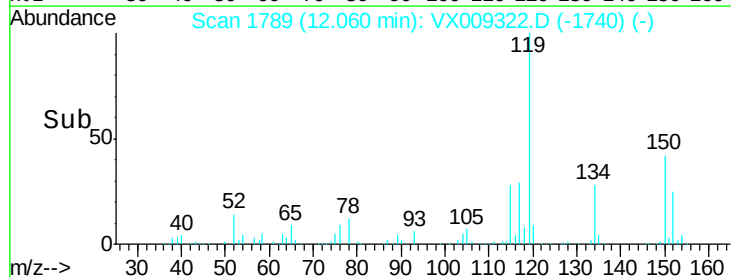
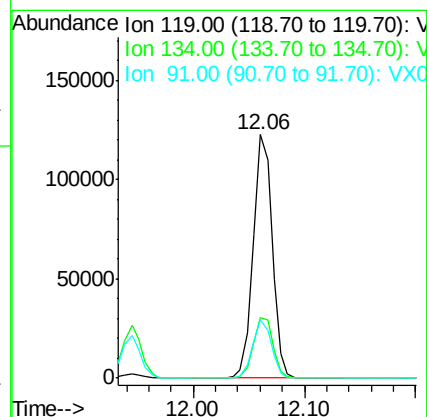
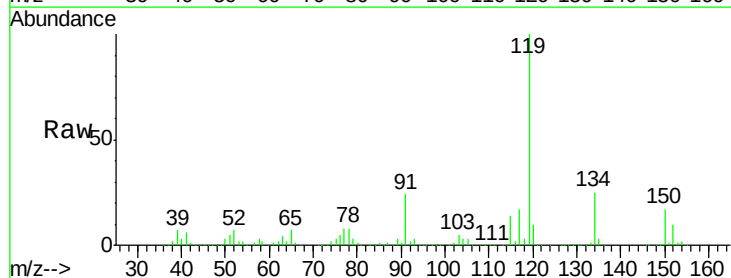
Tgt Ion:119 Resp: 146222

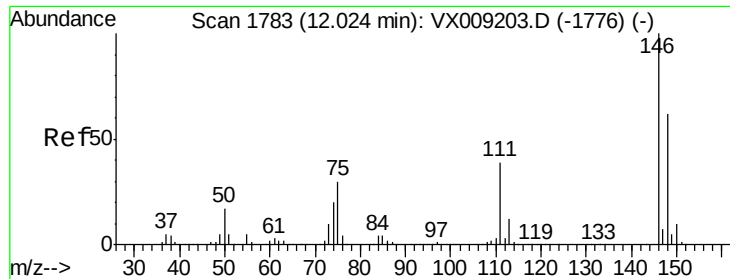
Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

91 23.8 11.8 35.4





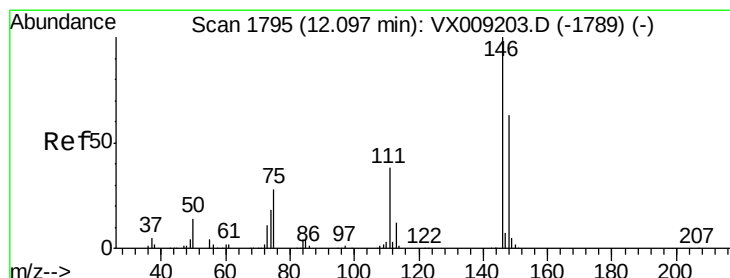
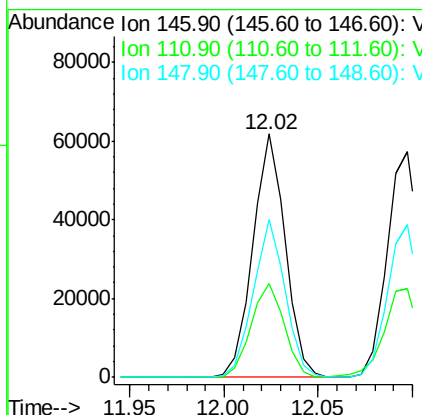
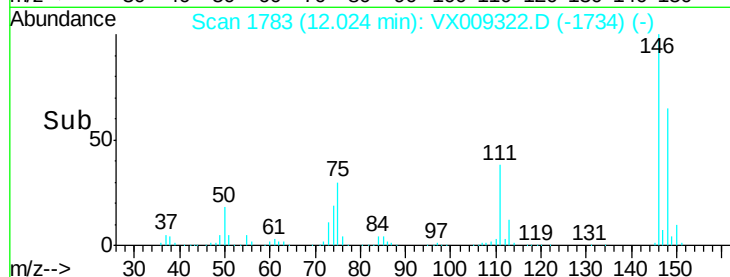
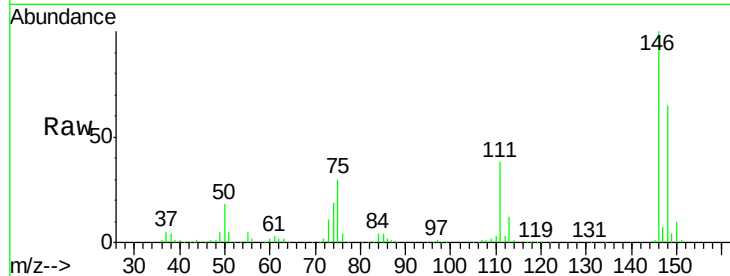
#87
 1,3-Dichlorobenzene
 Concen: 19.262 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampled :
 VX0503WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	59.9
148	63.9	31.8	95.3

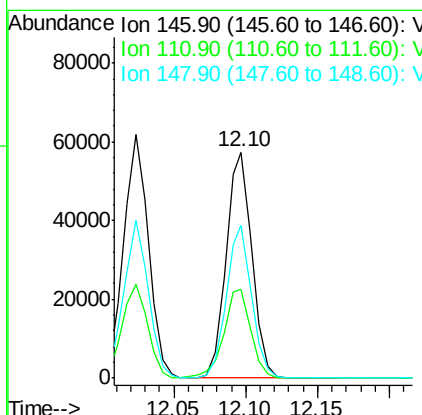
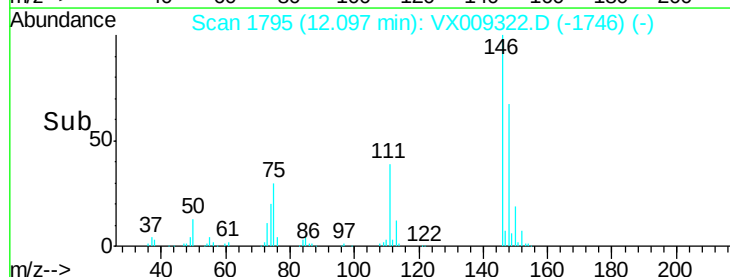
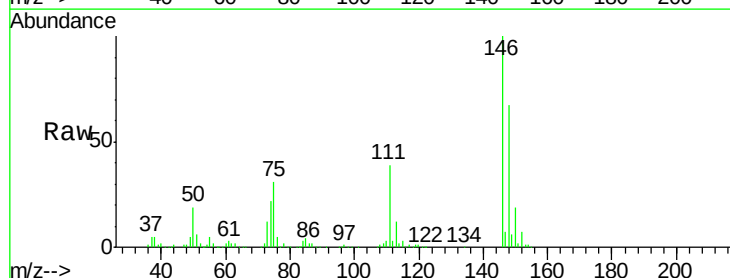
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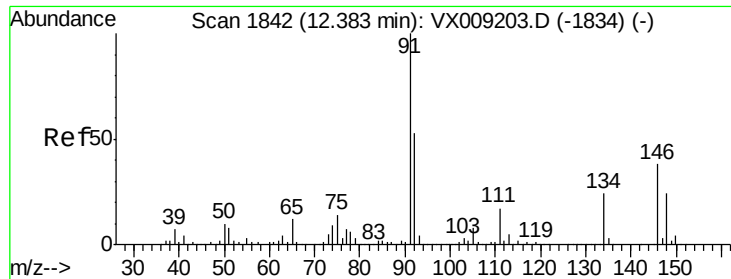
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#88
 1,4-Dichlorobenzene
 Concen: 18.835 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.6	58.8
148	66.0	31.8	95.3





#89

n-Butylbenzene

Concen: 18.855 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

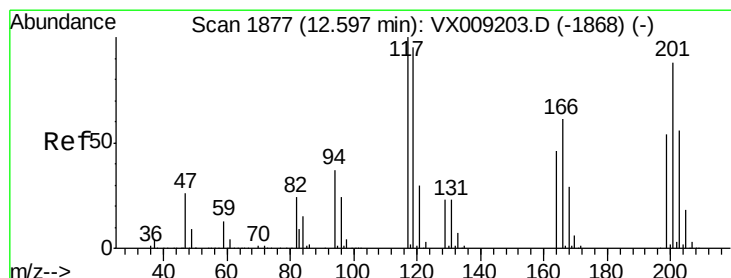
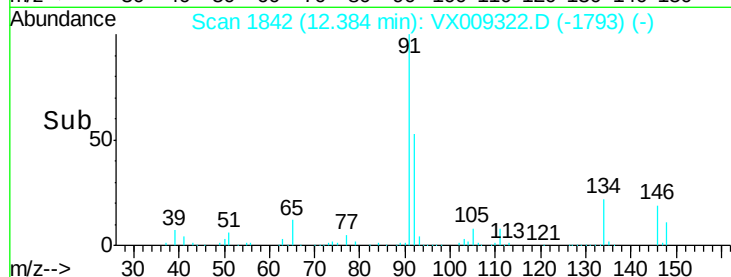
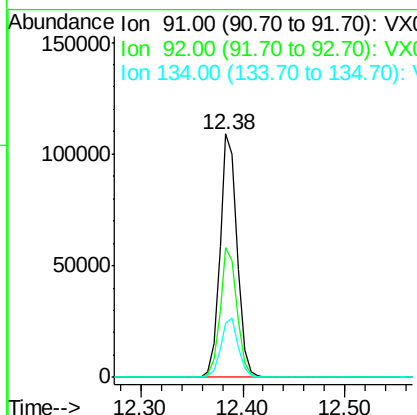
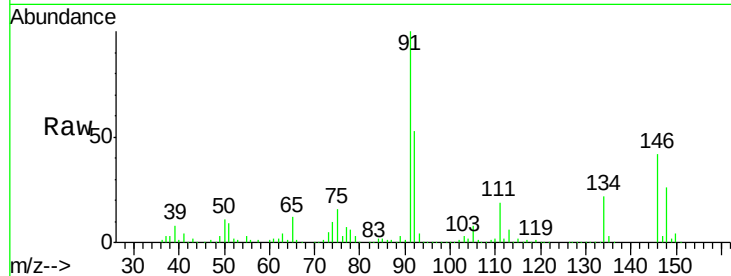
ClientSampleId :

VX0503WBSD02

Tot Ion:	91	Resp:	128230
Ion Ratio	Lower	Upper	
91	100		
92	52.5	26.5	79.5
134	24.3	12.4	37.2

Manual Integrations
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#90

Hexachloroethane

Concen: 18.761 ug/l

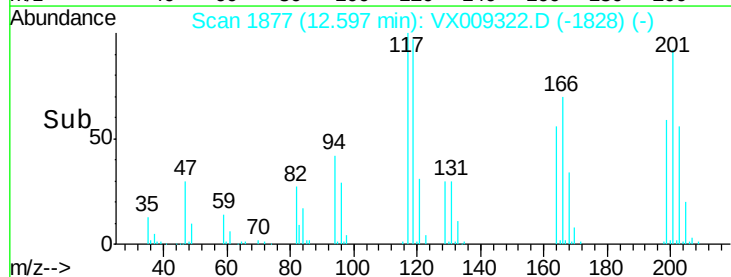
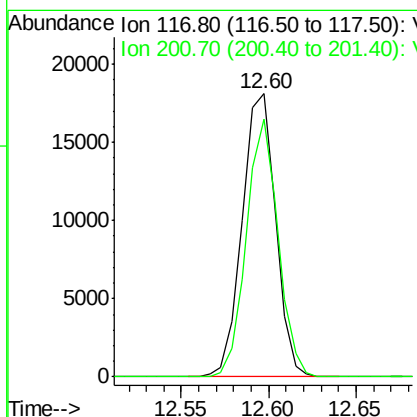
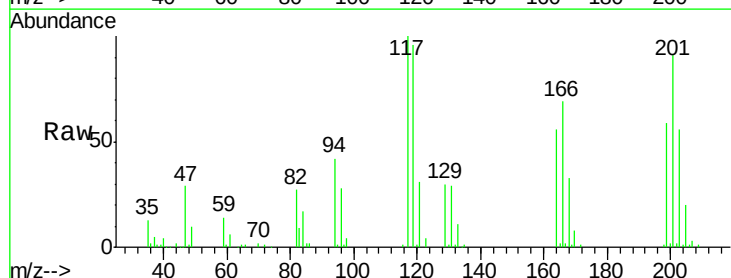
RT: 12.60 min Scan# 1877

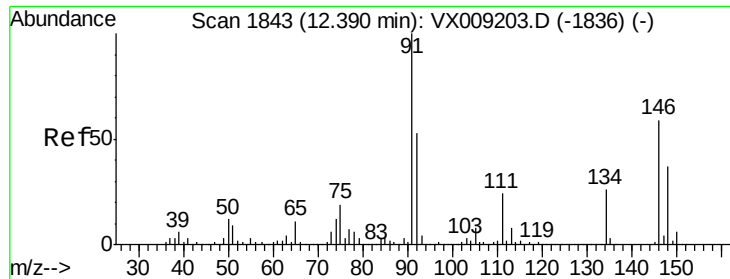
Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Tgt Ion:	117	Resp:	24049
Ion Ratio	Lower	Upper	
117	100		
201	85.9	42.3	126.9





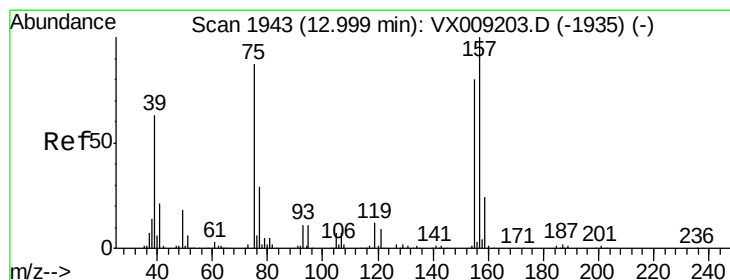
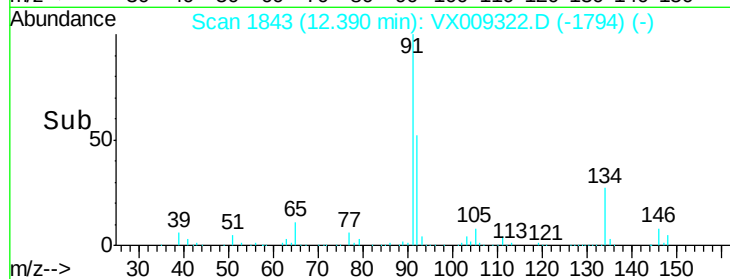
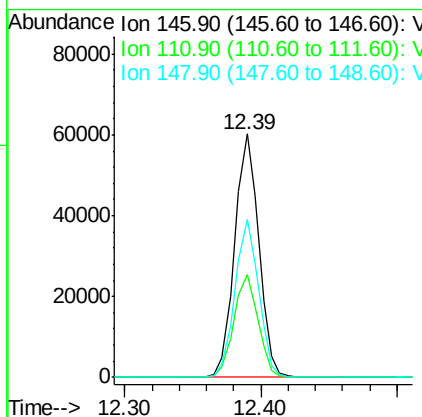
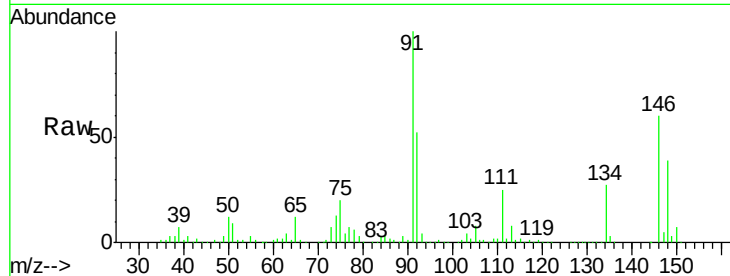
#91
 1,2-Dichlorobenzene
 Concen: 19.141 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.8	62.4
148	63.8	31.9	95.9

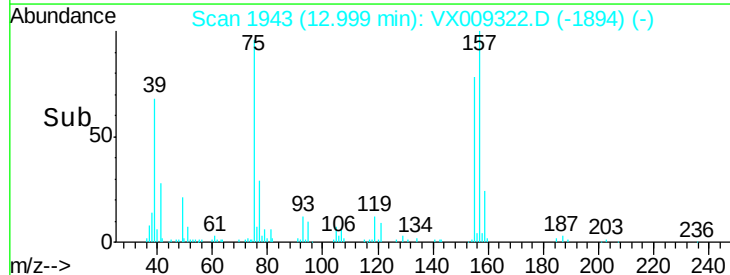
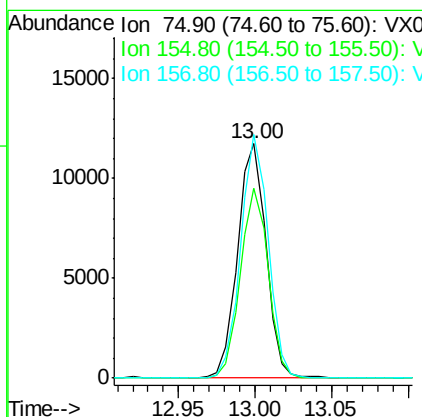
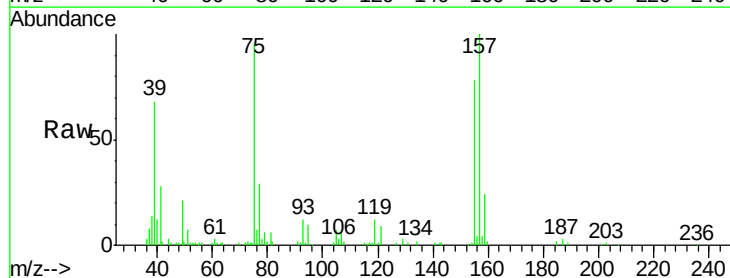
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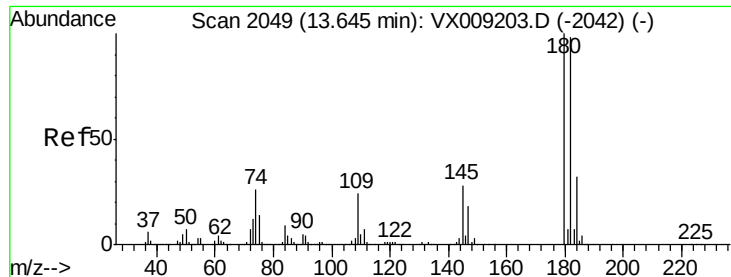
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.952 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	42.0	126.0
157	100.5	53.2	159.6





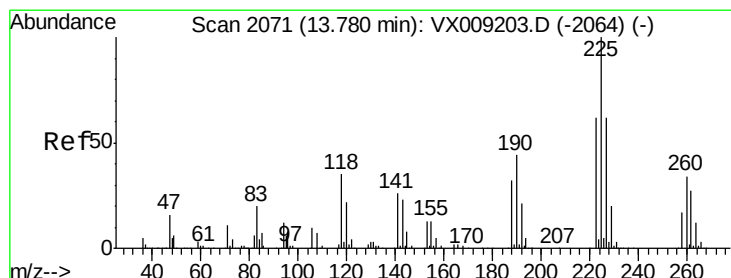
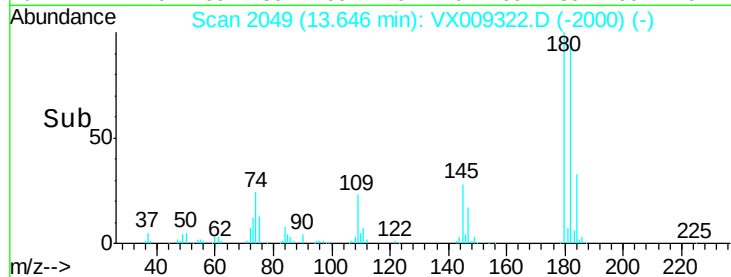
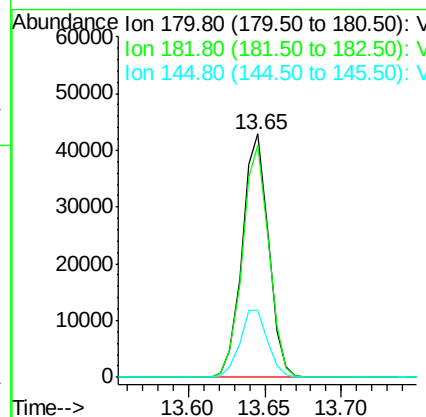
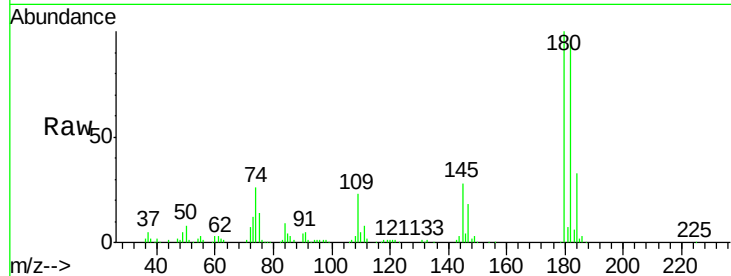
#93
 1,2,4-Trichlorobenzene
 Concen: 19.177 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	50936		
182	96.6		48.4	145.2
145	29.2		14.6	43.8

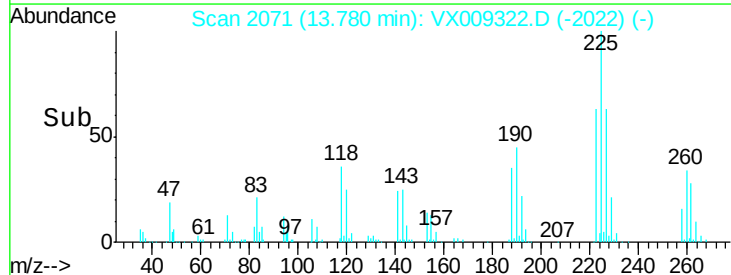
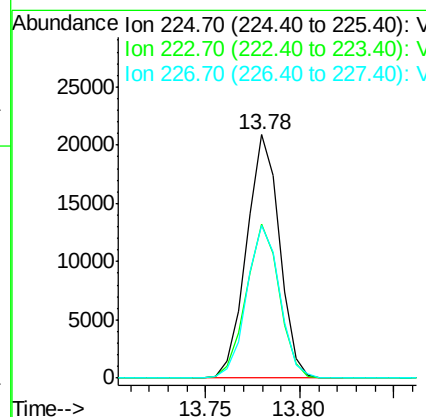
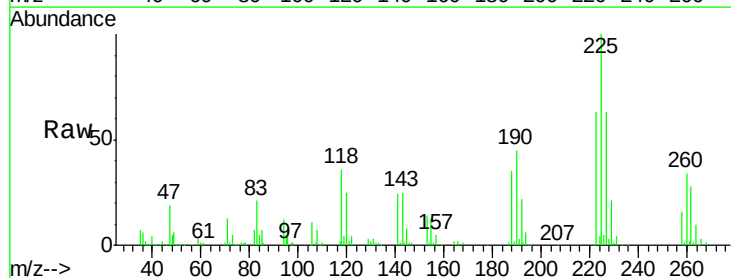
Manual Integrations
 APPROVED

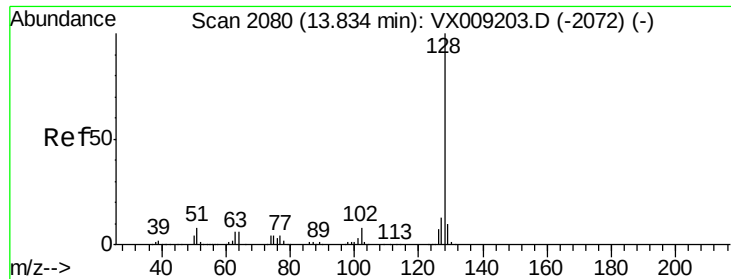
MMDadoda
 5/6/2019 9:26:30 AM



#94
 Hexachlorobutadiene
 Concen: 18.654 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25302		
223	63.6		31.3	93.8
227	62.8		31.8	95.3





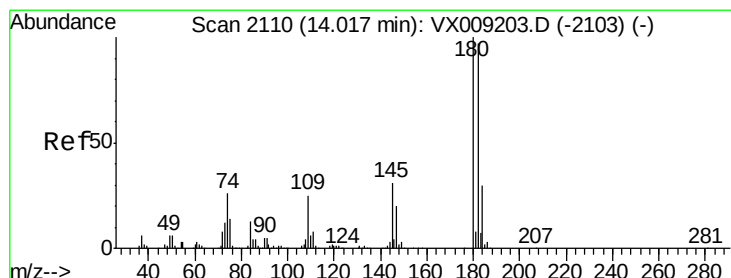
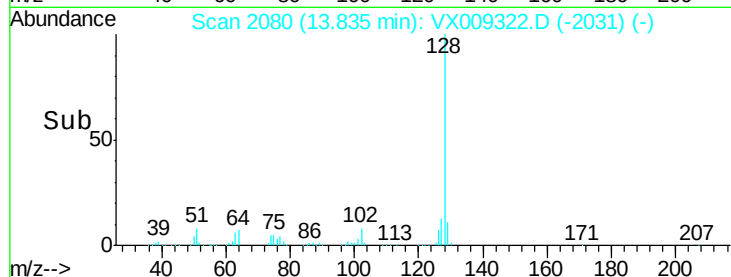
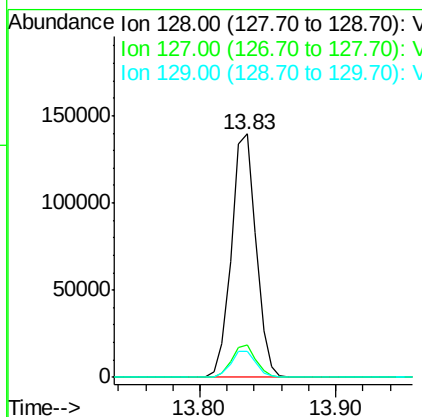
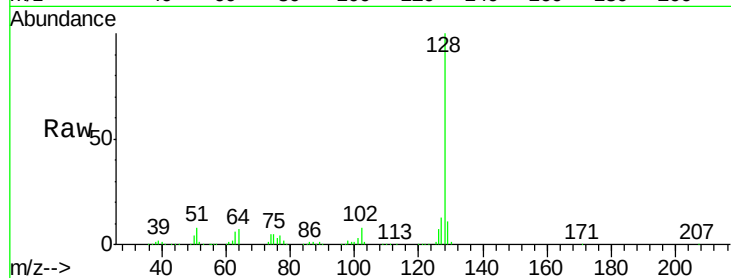
#95
Naphthalene
Concen: 20.370 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:26:30 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.455 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.2	47.8	143.4
145	31.9	15.4	46.4

