

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052019\
 Data File : VX009731.D
 Acq On : 20 May 2019 17:13
 Operator : JC/SP
 Sample : VX0520WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 9:13:35 AM

Quant Time: May 21 08:30:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	149265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	239028	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	219096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107326	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	96833	47.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.04%		
35) Dibromofluoromethane	5.50	113	70293	46.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.56%		
50) Toluene-d8	8.71	98	278541	45.91	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.82%		
62) 4-Bromofluorobenzene	11.13	95	102470	46.49	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.98%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	23885	17.365	ug/l	98
3) Chloromethane	1.32	50	38115	20.296	ug/l	98
4) Vinyl Chloride	1.41	62	37752	20.616	ug/l	100
5) Bromomethane	1.64	94	22705	20.658	ug/l	99
6) Chloroethane	1.72	64	24058	20.463	ug/l	97
7) Trichlorofluoromethane	1.93	101	47614	21.391	ug/l	99
8) Diethyl Ether	2.19	74	23275	22.075	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	29591	21.170	ug/l	99
10) Methyl Iodide	2.51	142	30576	21.691	ug/l	99
11) Tert butyl alcohol	3.05	59	57052	120.959	ug/l	99
12) 1,1-Dichloroethene	2.37	96	29077	20.761	ug/l	96
13) Acrolein	2.29	56	38001	88.963	ug/l	99
14) Allyl chloride	2.73	41	72403	21.213	ug/l	99
15) Acrylonitrile	3.14	53	132932	115.267	ug/l	98
16) Acetone	2.45	43	119624	109.332	ug/l	99
17) Carbon Disulfide	2.57	76	72920	18.545	ug/l	99
18) Methyl Acetate	2.78	43	60607	23.292	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	121951	22.423	ug/l	100
20) Methylene Chloride	2.85	84	37392	21.107	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	31432	20.694	ug/l	98
22) Diisopropyl ether	3.85	45	148886	22.683	ug/l	91
23) Vinyl Acetate	3.82	43	656020	116.716	ug/l	99
24) 1,1-Dichloroethane	3.70	63	70156	21.666	ug/l	98
25) 2-Butanone	4.67	43	201504	118.514	ug/l	96
26) 2,2-Dichloropropane	4.58	77	47874	19.863	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	39103	21.569	ug/l	100
28) Bromochloromethane	5.01	49	29850	21.329	ug/l	98
29) Tetrahydrofuran	5.13	42	131884	120.540	ug/l	99
30) Chloroform	5.21	83	64852	22.145	ug/l	95
31) Cyclohexane	5.58	56	61372	20.372	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	53946	22.128	ug/l	99
36) 1,1-Dichloropropene	5.80	75	46245	20.819	ug/l	99
37) Ethyl Acetate	4.84	43	72598	23.457	ug/l	98
38) Carbon Tetrachloride	5.79	117	42790	21.202	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	54750	20.070	ug/l	98
40) Benzene	6.14	78	148790	21.643	ug/l	100
41) Methacrylonitrile	5.04	41	41380	22.461	ug/l	98
42) 1,2-Dichloroethane	6.20	62	56360	22.855	ug/l	100
43) Isopropyl Acetate	6.45	43	114359	23.100	ug/l	99
44) Trichloroethene	7.21	130	35533	21.380	ug/l	99
45) 1,2-Dichloropropane	7.51	63	43869	22.536	ug/l	98
46) Dibromomethane	7.66	93	24489	21.664	ug/l	98
47) Bromodichloromethane	7.90	83	50358	22.333	ug/l	98
48) Methyl methacrylate	7.77	41	58246	23.715	ug/l	98
49) 1,4-Dioxane	7.74	88	23311	468.007	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	396153	122.429	ug/l	99
52) Toluene	8.79	92	90923	21.758	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	54908	21.568	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	61702	21.897	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	38968	22.857	ug/l	95
56) Ethyl methacrylate	9.18	69	69372	22.795	ug/l	98
57) 1,3-Dichloropropane	9.37	76	67728	22.575	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	141270	87.503	ug/l	100
59) 2-Hexanone	9.49	43	306101	120.449	ug/l	98
60) Dibromochloromethane	9.58	129	37322	22.414	ug/l	98
61) 1,2-Dibromoethane	9.67	107	38697	22.486	ug/l	99
64) Tetrachloroethene	9.34	164	31813	21.168	ug/l	99
65) Chlorobenzene	10.14	112	96259	21.962	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	34623	21.789	ug/l	99
67) Ethyl Benzene	10.25	91	173809	21.548	ug/l	100
68) m/p-Xylenes	10.36	106	125596	42.609	ug/l	97
69) o-Xylene	10.69	106	62487	21.486	ug/l	100
70) Styrene	10.71	104	108976	21.559	ug/l	98
71) Bromoform	10.85	173	27401	21.220	ug/l #	98
73) Isopropylbenzene	11.02	105	165856	21.251	ug/l	99
74) N-amyl acetate	10.90	43	101579	22.324	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	65118	22.382	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	56498m	22.694	ug/l	
77) Bromobenzene	11.26	156	42137	21.752	ug/l	98
78) n-propylbenzene	11.36	91	188601	21.160	ug/l	100
79) 2-Chlorotoluene	11.42	91	116261	21.142	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	140467	21.375	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20067	20.624	ug/l	95
82) 4-Chlorotoluene	11.51	91	132680	21.357	ug/l	99
83) tert-Butylbenzene	11.77	119	136065	21.284	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	142287	21.571	ug/l	100
85) sec-Butylbenzene	11.94	105	161302	21.283	ug/l	100
86) p-Isopropyltoluene	12.06	119	144043	21.141	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	73330	21.235	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	72828	20.918	ug/l	98
89) n-Butylbenzene	12.38	91	127134	20.644	ug/l	99
90) Hexachloroethane	12.60	117	24162	20.815	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	74834	21.276	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14864	22.774	ug/l	97

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ClientSampleId :
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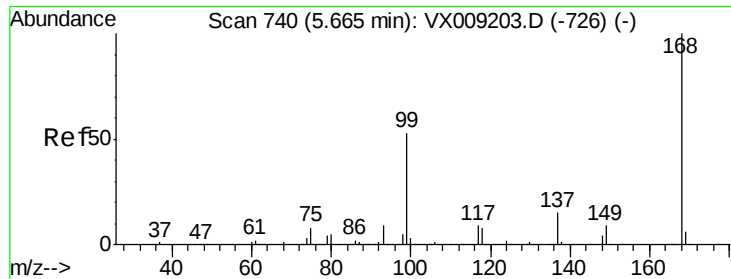
Manual Integrations
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5/21/2019 9:13:35 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	51894	21.575	ug/l	97
94) Hexachlorobutadiene	13.78	225	26325	21.432	ug/l	99
95) Naphthalene	13.83	128	169533	21.664	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	52083	21.362	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

Tot Ion:168 Resp: 149265

Ion Ratio Lower Upper

168 100

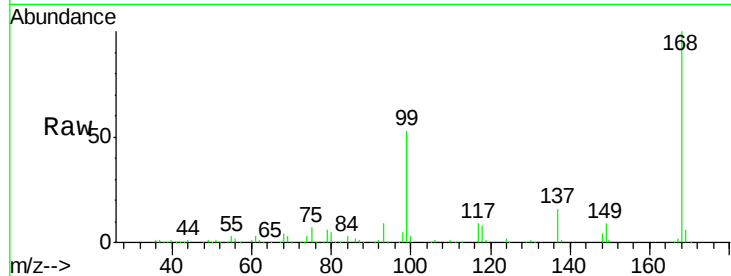
99 53.3 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

60000

50000

40000

30000

20000

10000

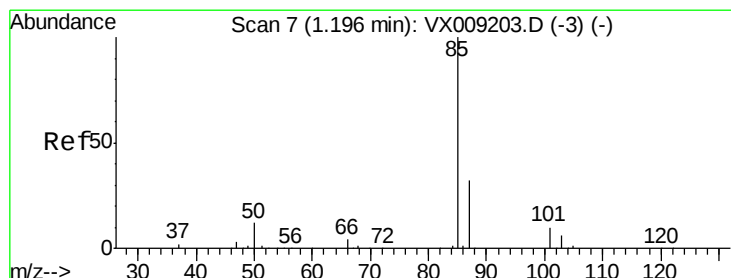
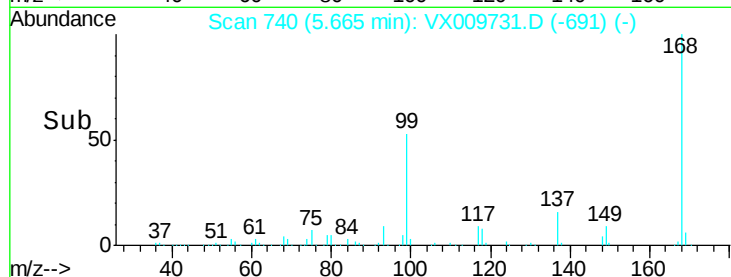
0

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.365 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009731.D

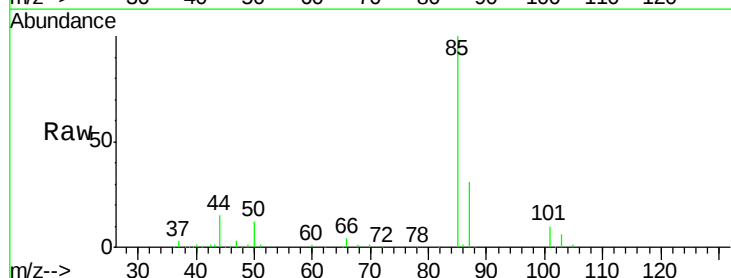
Acq: 20 May 2019 17:13

Tgt Ion: 85 Resp: 23885

Ion Ratio Lower Upper

85 100

87 31.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

25000

20000

15000

10000

5000

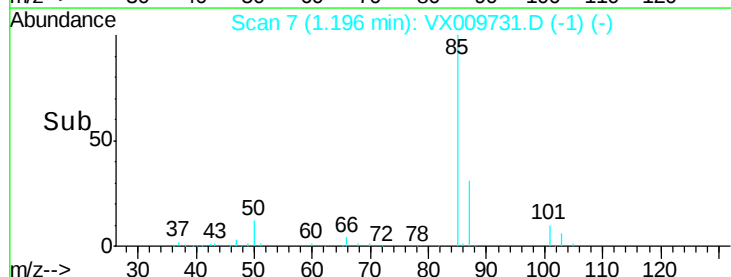
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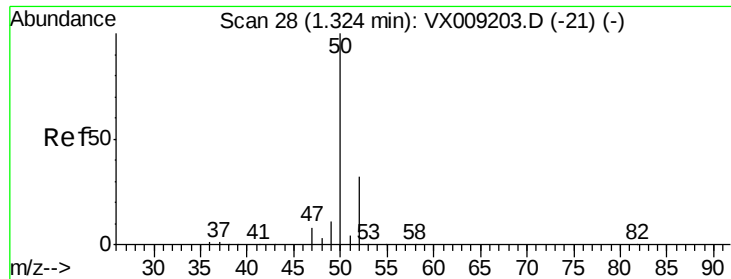
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 20.296 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampled :

VX0520WBSD01

Tot Ion: 50 Resp: 38115

Ion Ratio Lower Upper

50 100

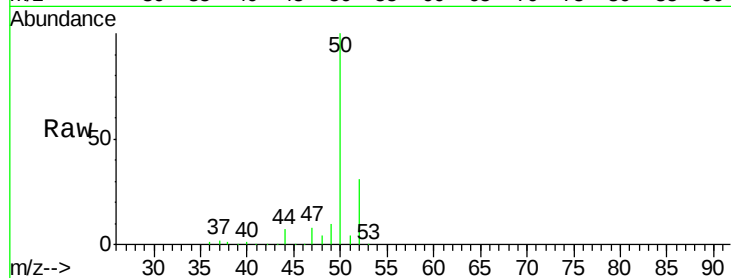
52 31.2 25.9 38.9

Manual Integrations

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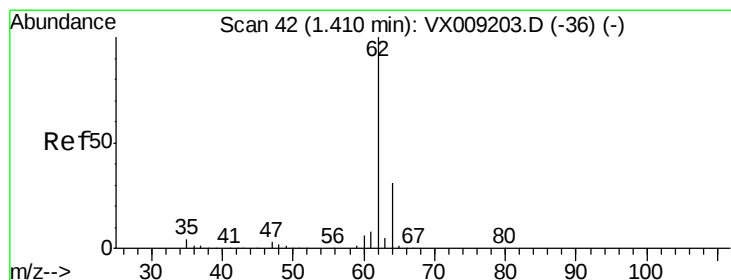
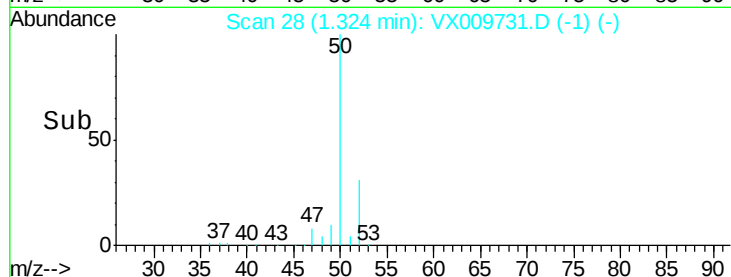
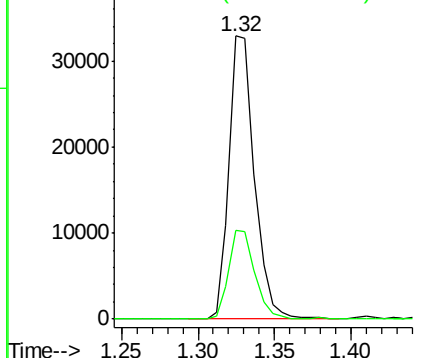
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.616 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009731.D

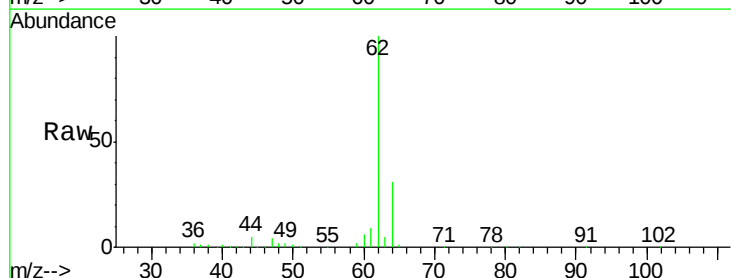
Acq: 20 May 2019 17:13

Tgt Ion: 62 Resp: 37752

Ion Ratio Lower Upper

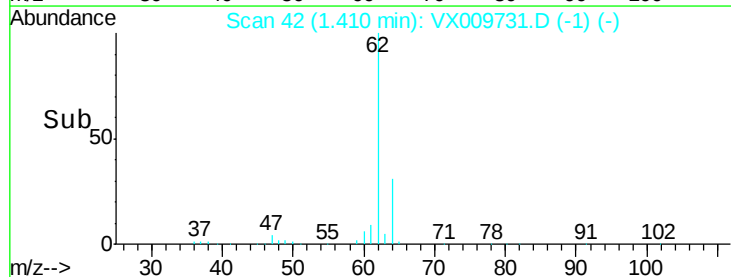
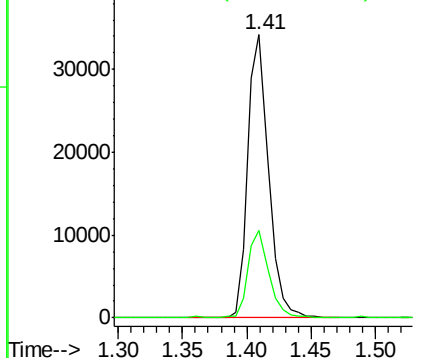
62 100

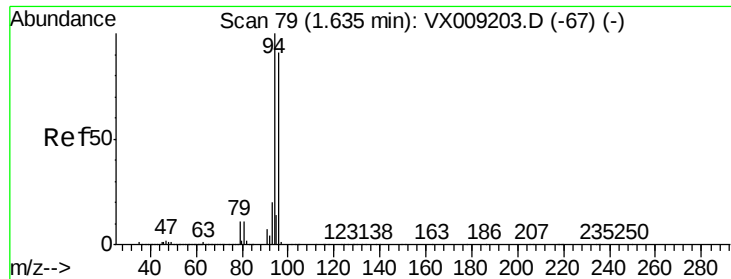
64 30.9 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.658 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

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ClientSampleId :

VX0520WBSD01

Tot Ion: 94 Resp: 22705

Ion Ratio Lower Upper

94 100

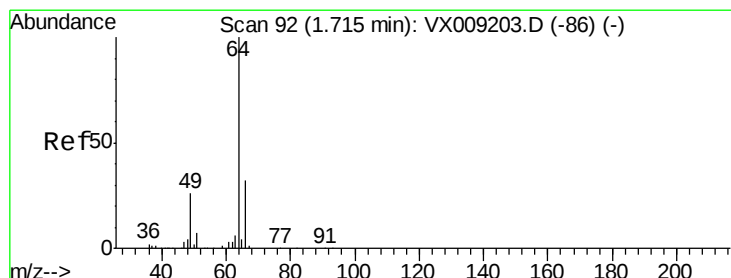
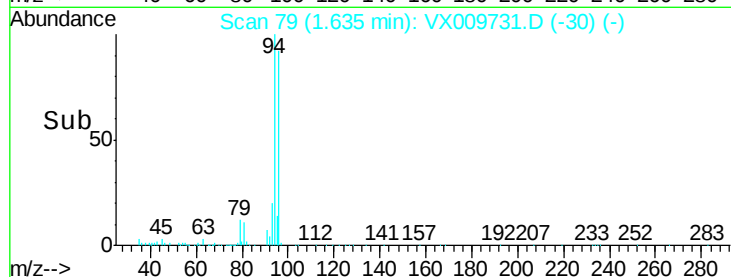
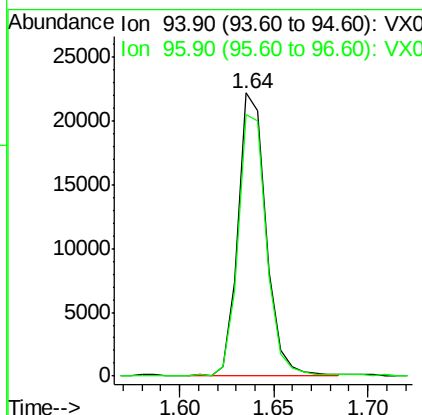
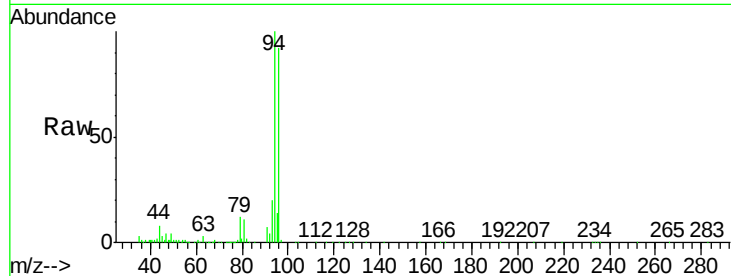
96 92.7 73.0 109.6

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#6

Chloroethane

Concen: 20.463 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009731.D

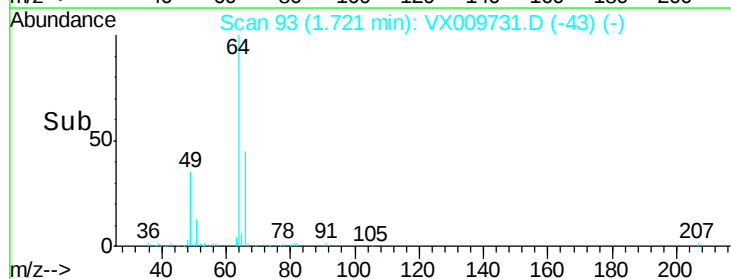
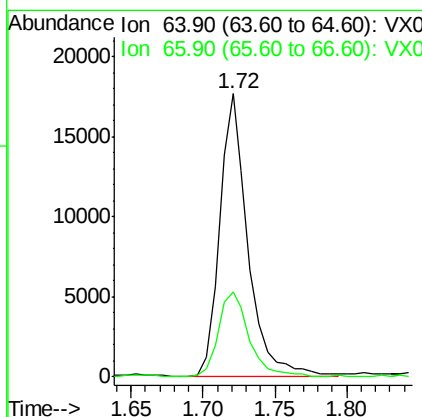
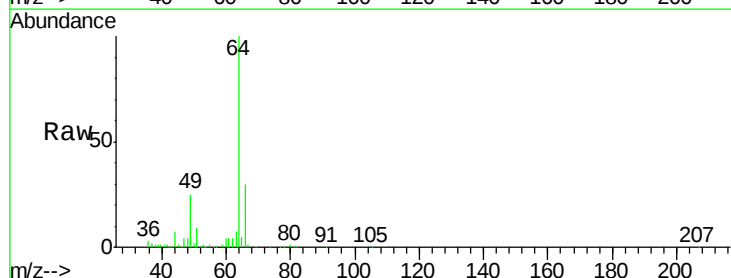
Acq: 20 May 2019 17:13

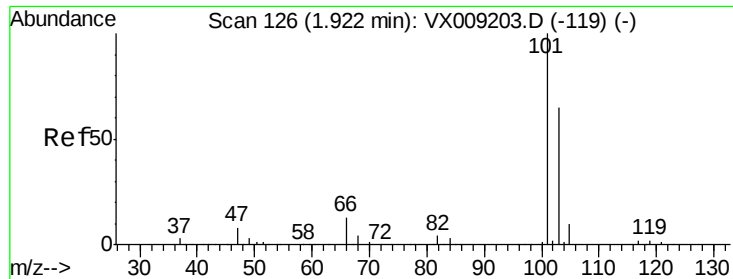
Tgt Ion: 64 Resp: 24058

Ion Ratio Lower Upper

64 100

66 29.9 25.3 37.9





#7

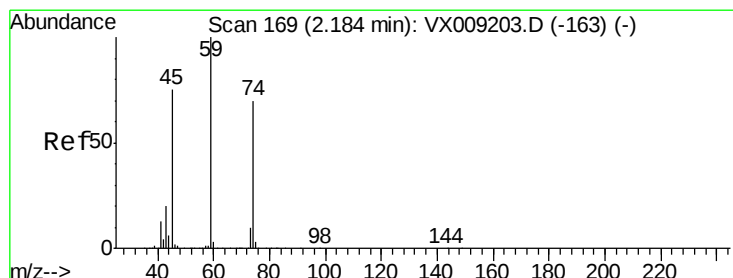
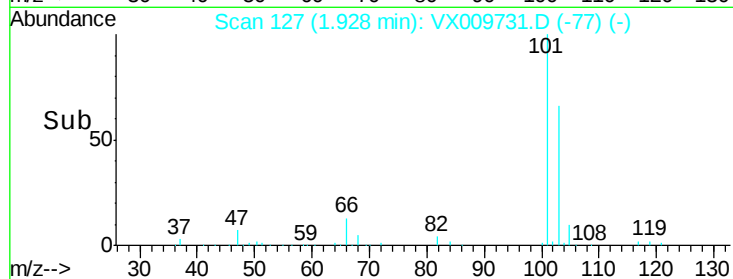
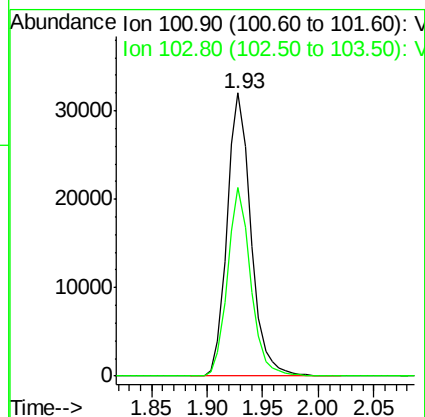
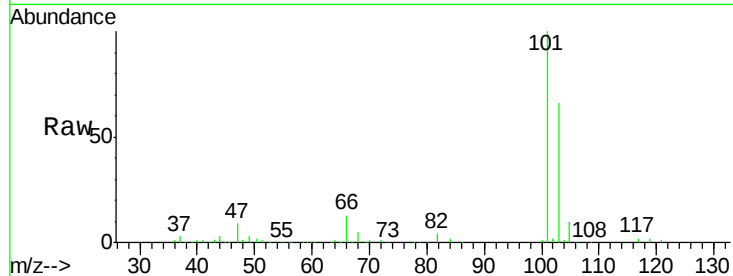
Trichlorofluoromethane
 Concen: 21.391 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	52.4	78.6

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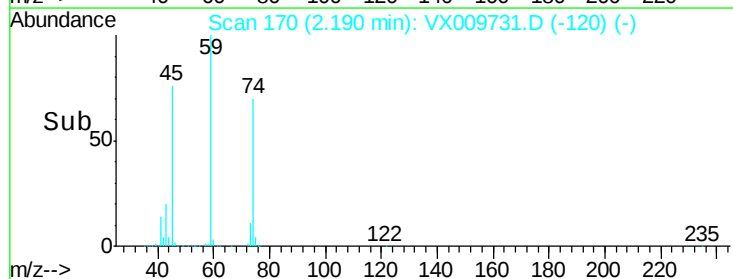
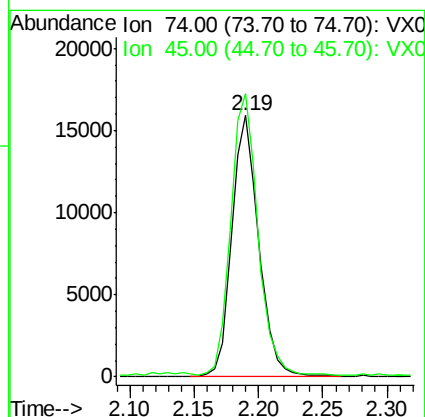
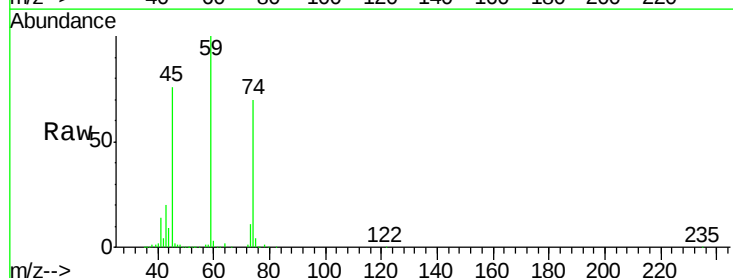
MMDadoda
 5/21/2019 9:13:35 AM

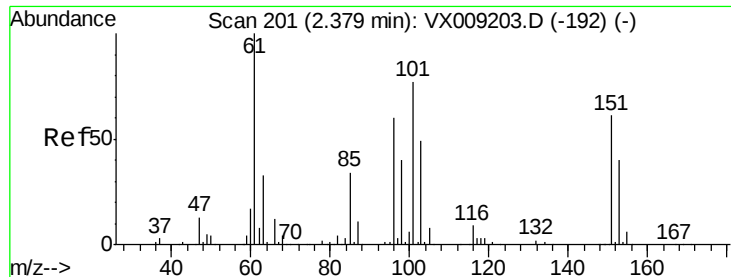


#8

Diethyl Ether
 Concen: 22.075 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.9	53.3	159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.170 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

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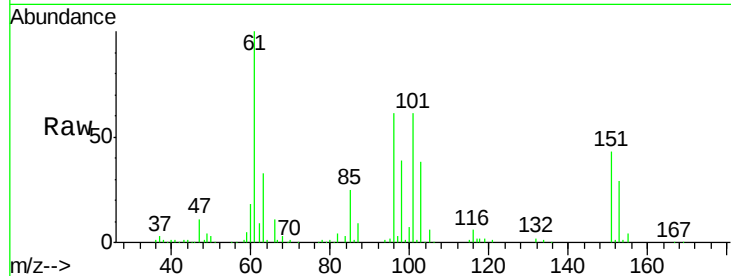
ClientSampleId :

VX0520WBSD01

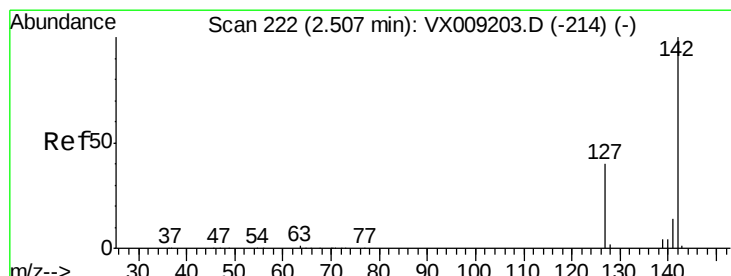
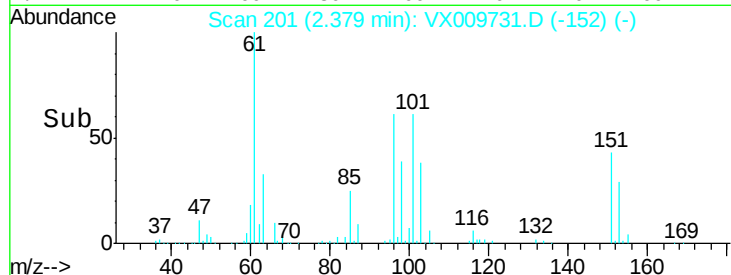
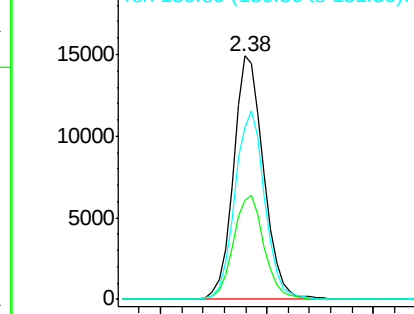
Tot Ion:	101	Resp:	29591
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.7	53.5
151	76.6	62.2	93.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.691 ug/l

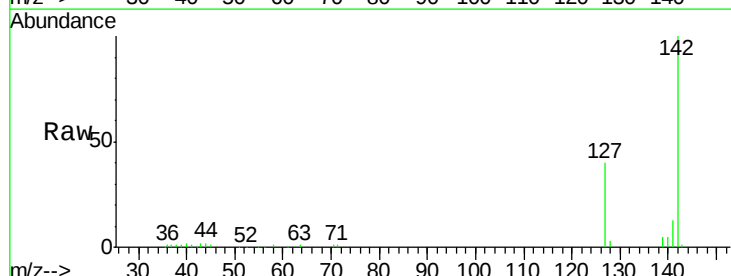
RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

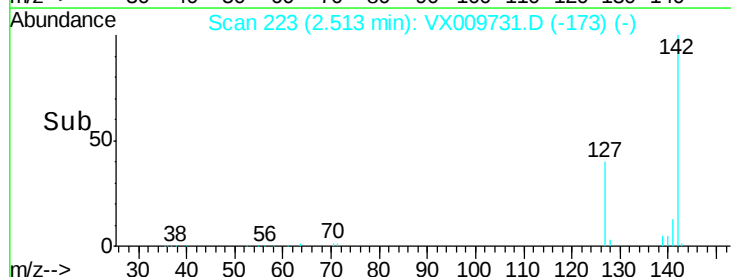
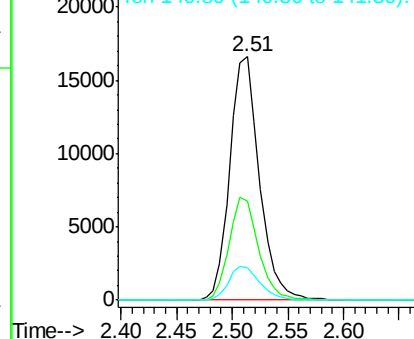
Lab File: VX009731.D

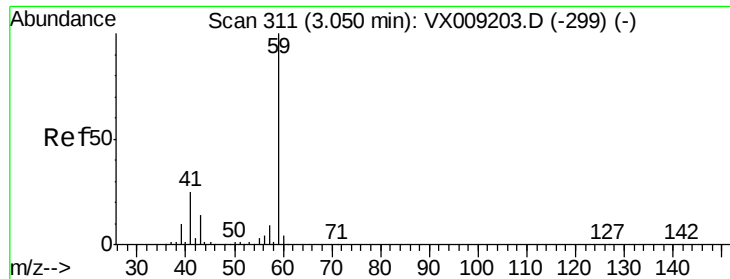
Acq: 20 May 2019 17:13

Tgt Ion:	142	Resp:	30576
Ion Ratio	Lower	Upper	
142	100		
127	41.8	32.7	49.1
141	14.5	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





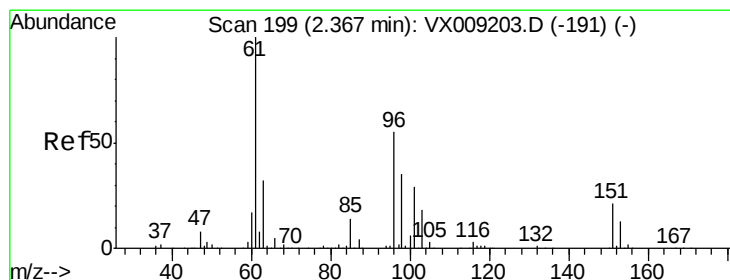
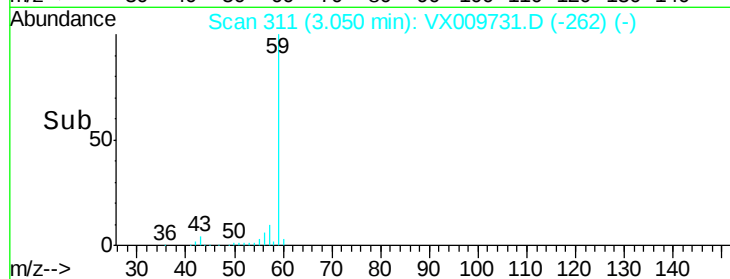
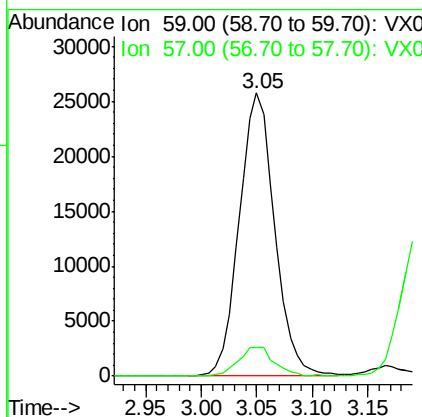
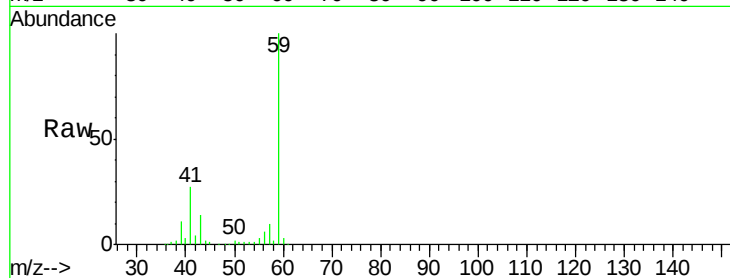
#11
Tert butyl alcohol
Concen: 120.959 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

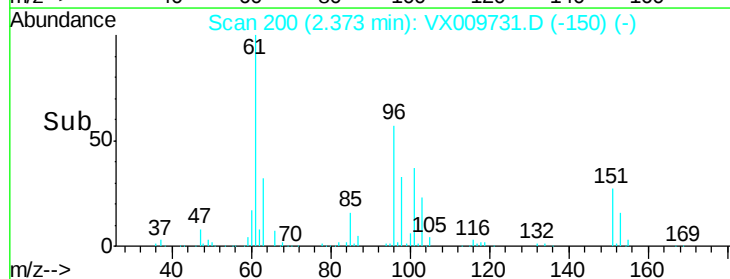
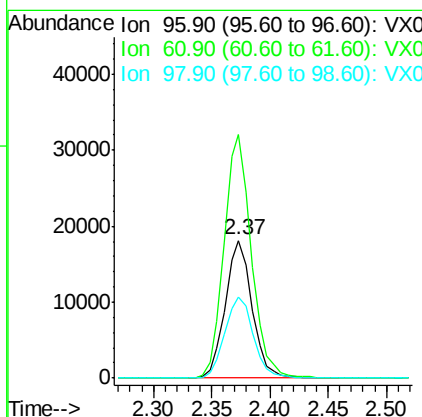
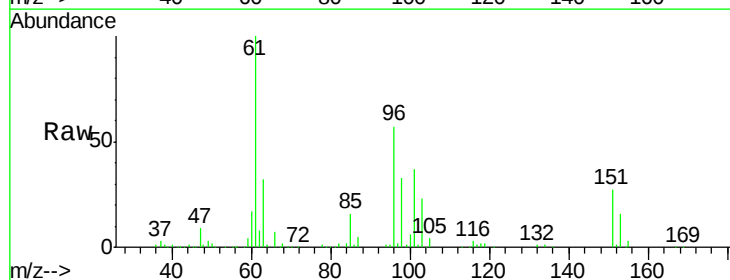
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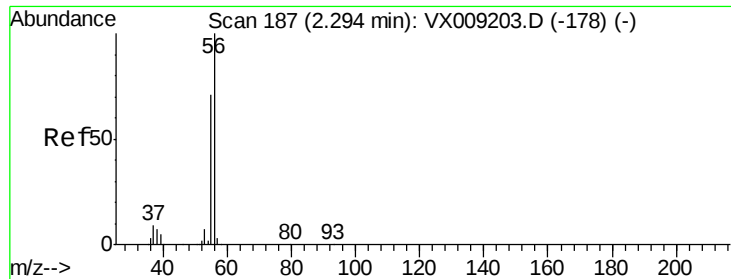
MMDadoda
5/21/2019 9:13:35 AM



#12
1,1-Dichloroethene
Concen: 20.761 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.4	144.3	216.5
98	58.3	50.3	75.5





#13

Acrolein

Concen: 88.963 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

Tot Ion: 56 Resp: 38001

Ion Ratio Lower Upper

56 100

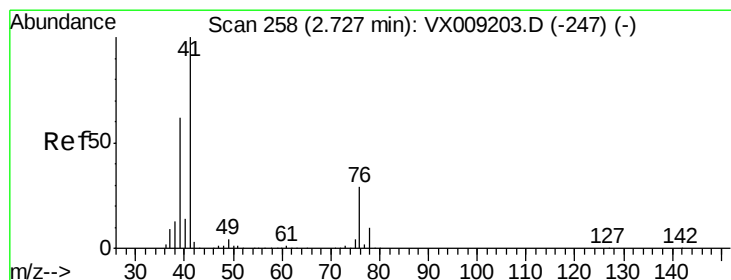
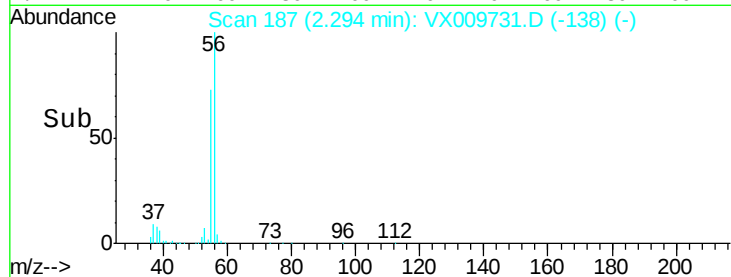
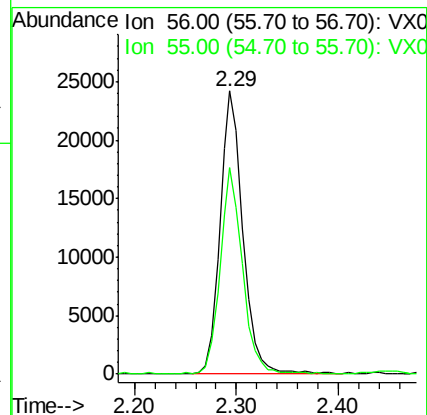
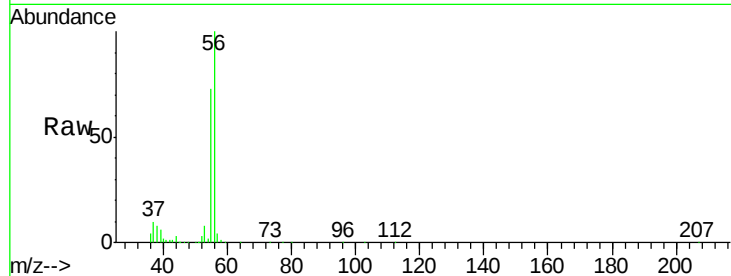
55 71.8 56.6 85.0

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#14

Allyl chloride

Concen: 21.213 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

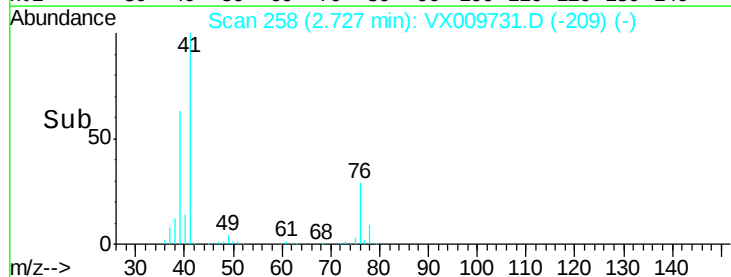
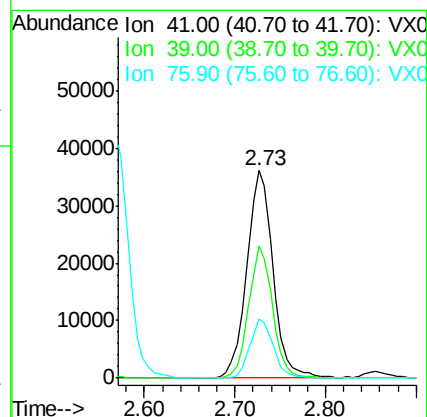
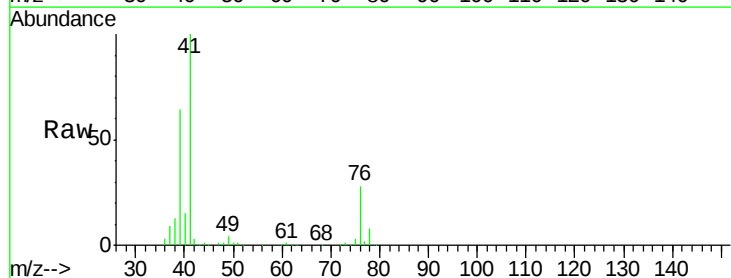
Tgt Ion: 41 Resp: 72403

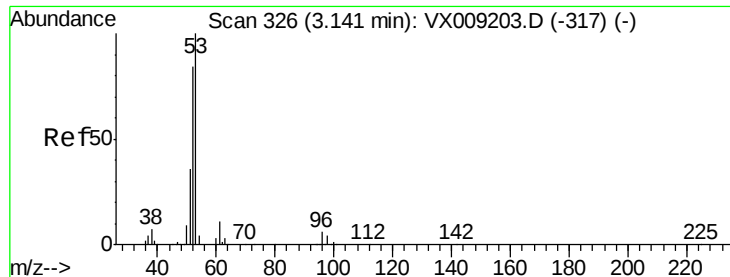
Ion Ratio Lower Upper

41 100

39 58.4 46.7 70.1

76 25.6 21.8 32.8





#15

Acrylonitrile

Concen: 115.267 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

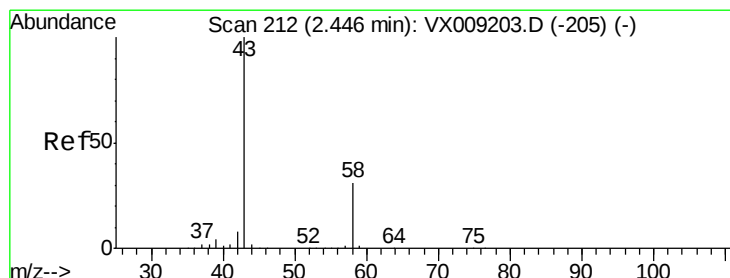
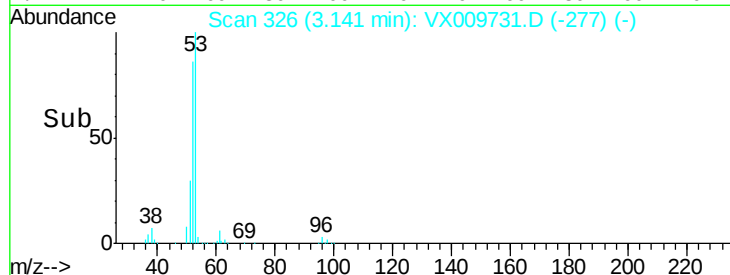
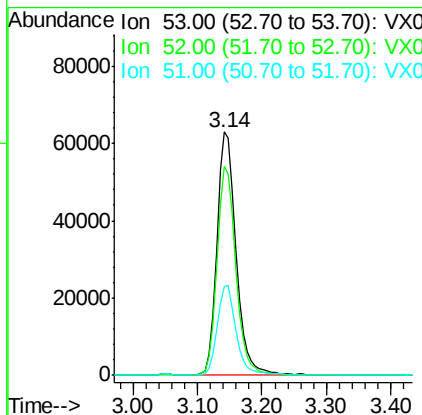
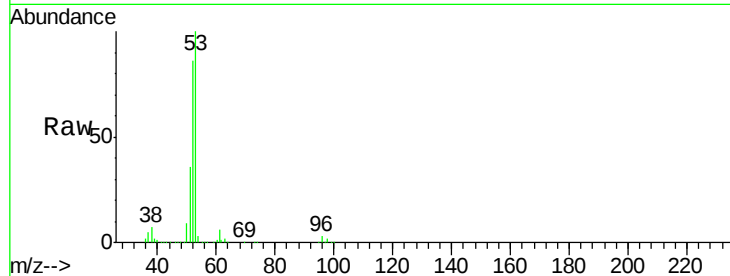
ClientSampleId :

VX0520WBSD01

Tot Ion:	53	Resp:	132932
Ion	Ratio	Lower	Upper
53	100		
52	84.8	66.9	100.3
51	36.4	28.2	42.2

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#16

Acetone

Concen: 109.332 ug/l

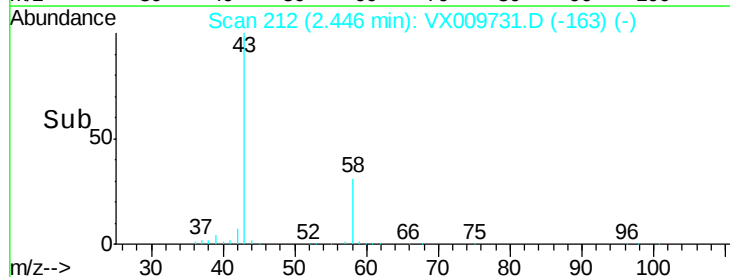
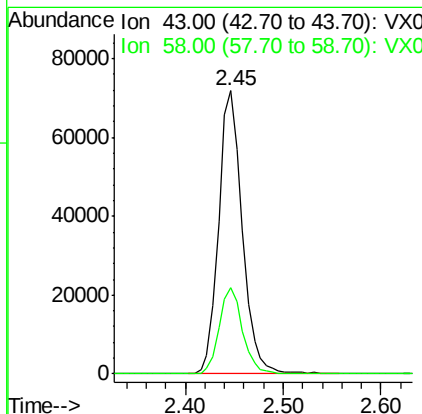
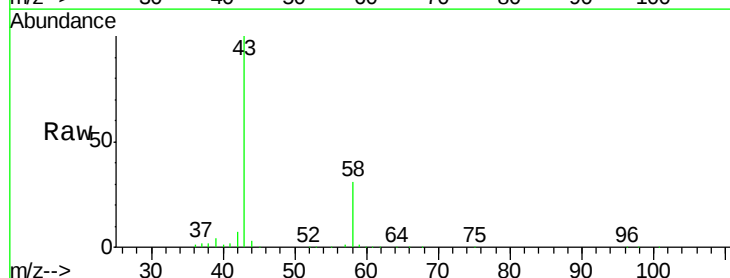
RT: 2.45 min Scan# 212

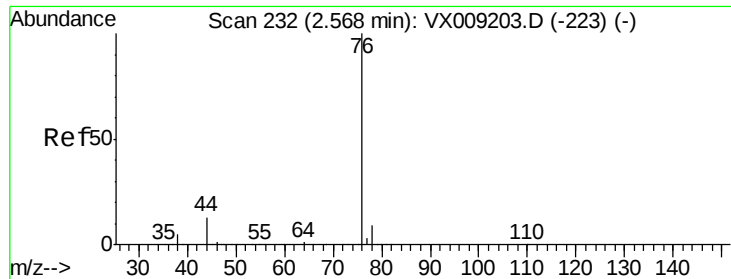
Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Tgt Ion:	43	Resp:	119624
Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.9	37.3





#17

Carbon Disulfide

Concen: 18.545 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

Tot Ion: 76 Resp: 72920

Ion Ratio Lower Upper

76 100

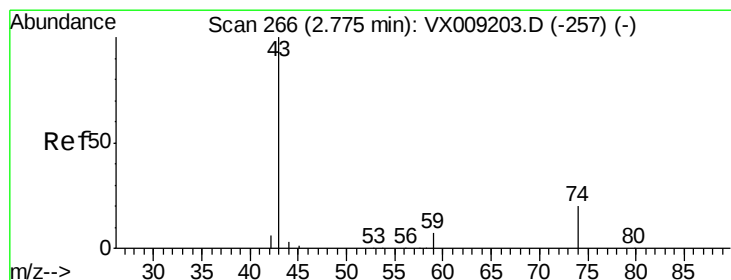
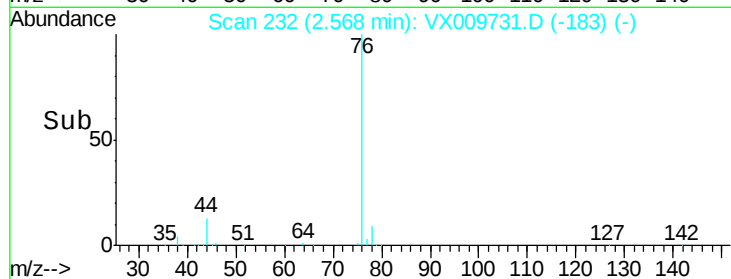
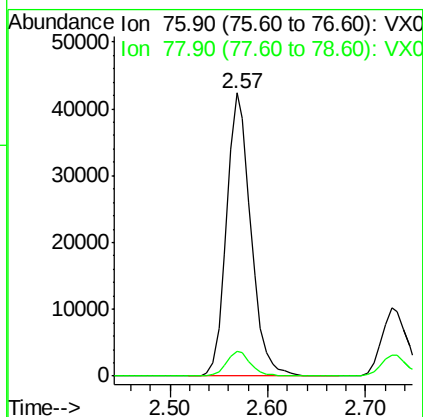
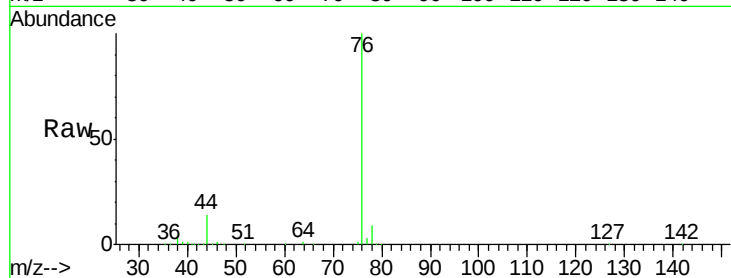
78 8.8 7.4 11.0

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#18

Methyl Acetate

Concen: 23.292 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009731.D

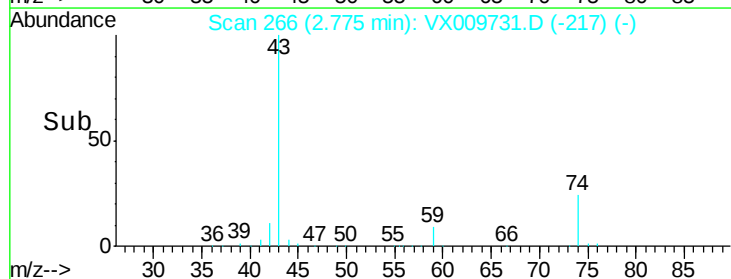
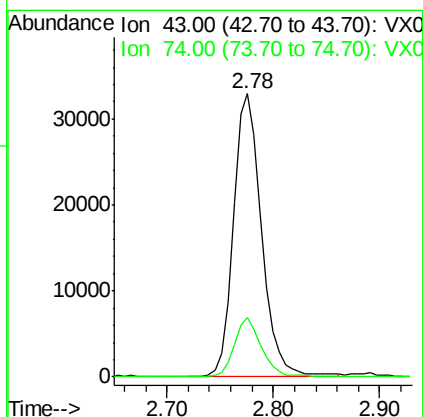
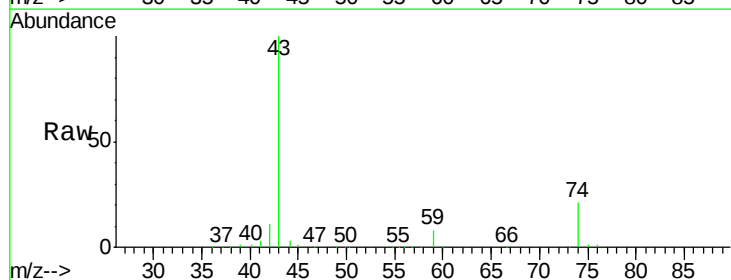
Acq: 20 May 2019 17:13

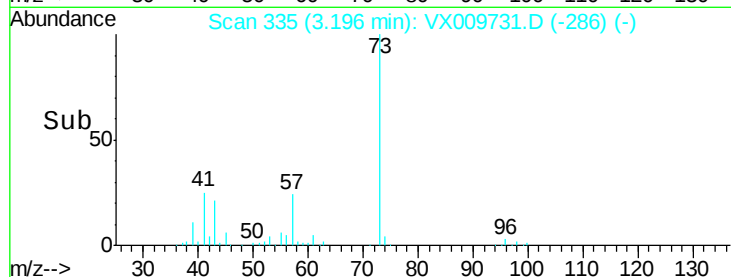
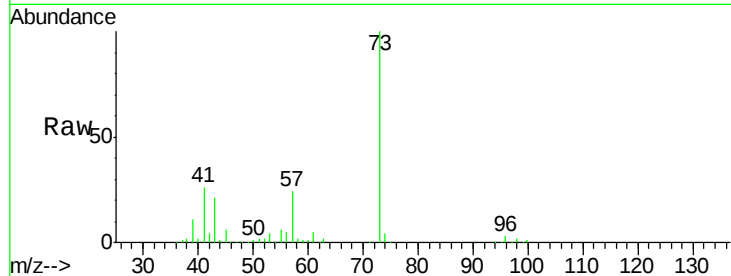
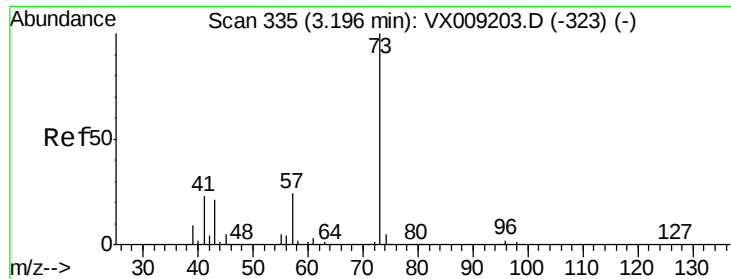
Tgt Ion: 43 Resp: 60607

Ion Ratio Lower Upper

43 100

74 20.6 16.2 24.4





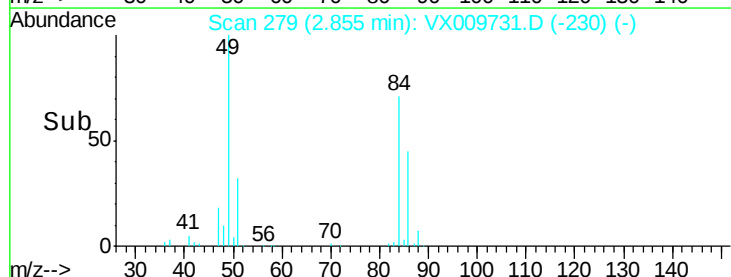
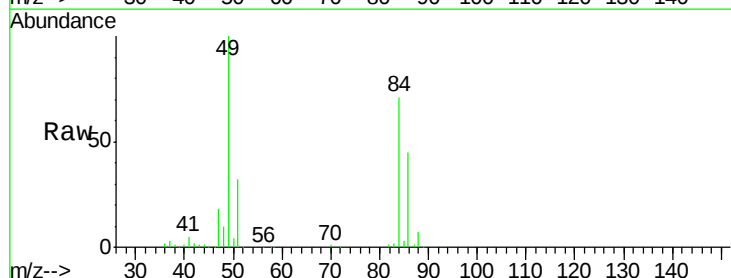
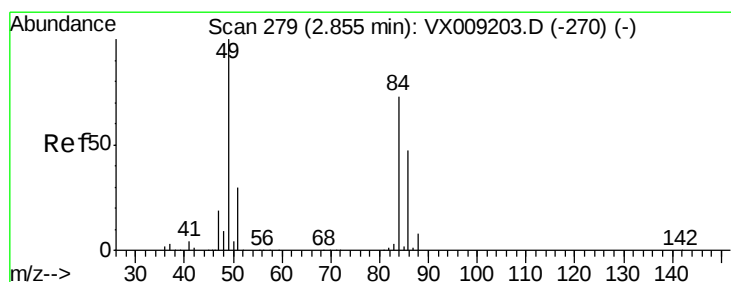
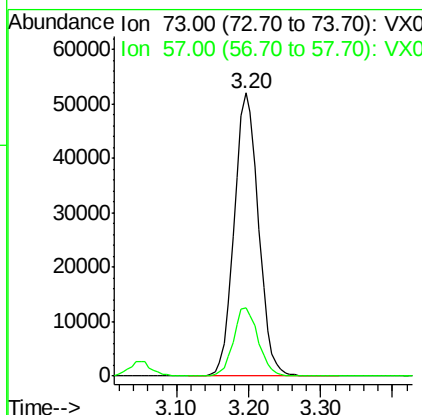
#19
Methyl tert-butyl Ether
Concen: 22.423 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.3	28.9

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

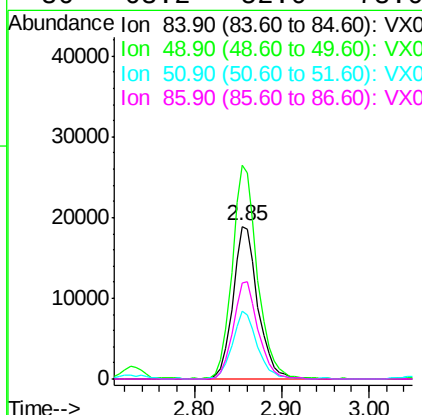
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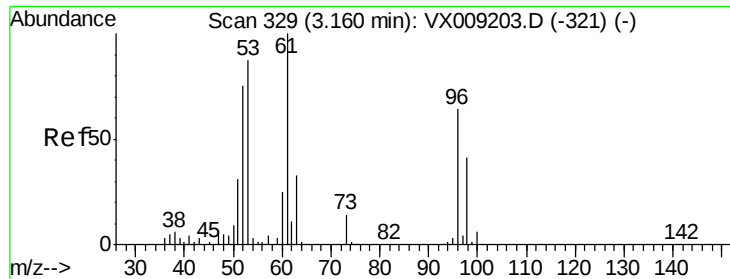
MMDadoda
5/21/2019 9:13:35 AM



#20
Methylene Chloride
Concen: 21.107 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.9	109.9	164.9
51	44.0	32.7	49.1
86	63.2	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 20.694 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

Tot Ion: 96 Resp: 31432

Ion Ratio Lower Upper

96 100

61 158.8 124.5 186.7

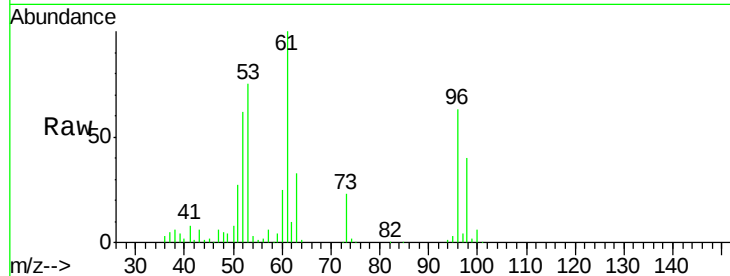
98 64.1 50.4 75.6

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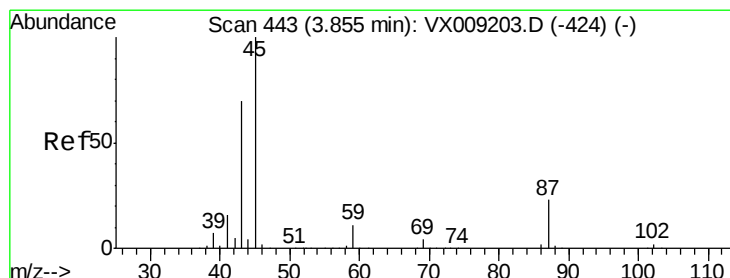
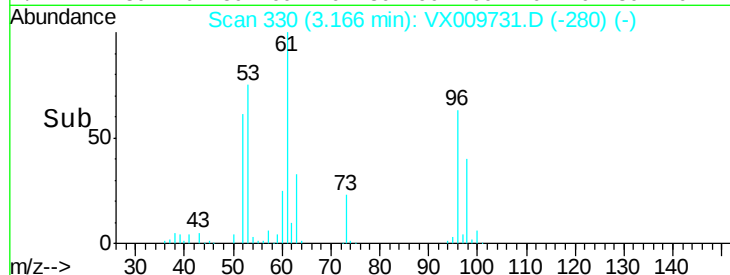
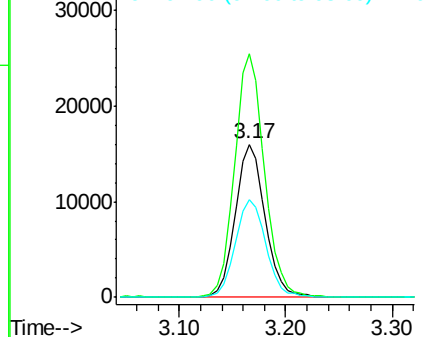
5/21/2019 9:13:35 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 22.683 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Tgt Ion: 45 Resp: 148886

Ion Ratio Lower Upper

45 100

43 80.7 56.1 84.1

87 22.6 18.1 27.1

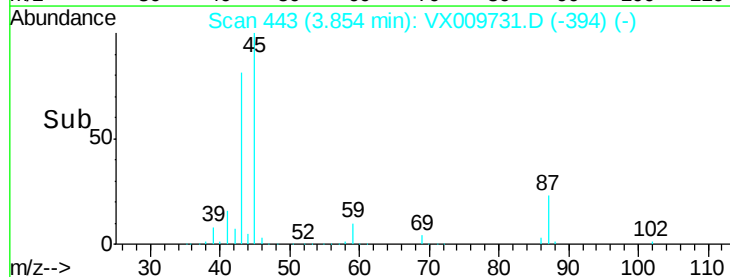
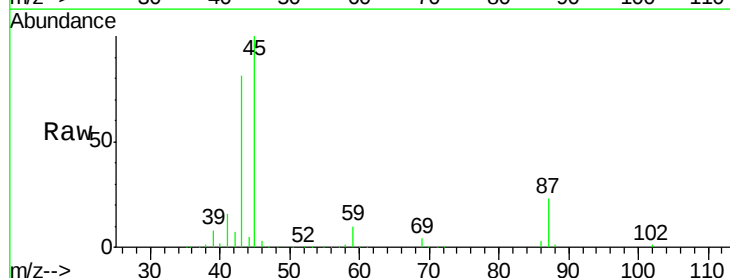
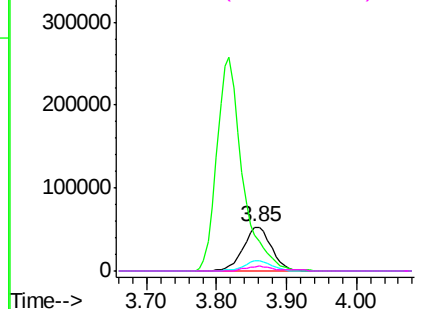
59 9.8 8.5 12.7

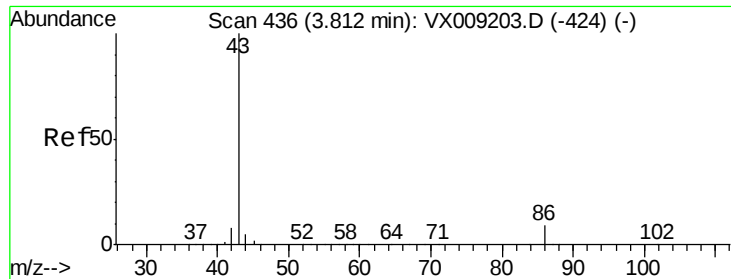
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 116.716 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

Tot Ion: 43 Resp: 656020

Ion Ratio Lower Upper

43 100

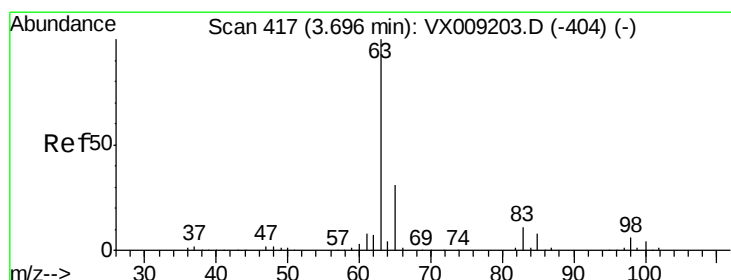
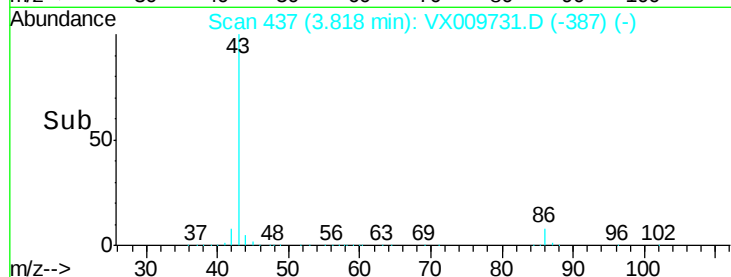
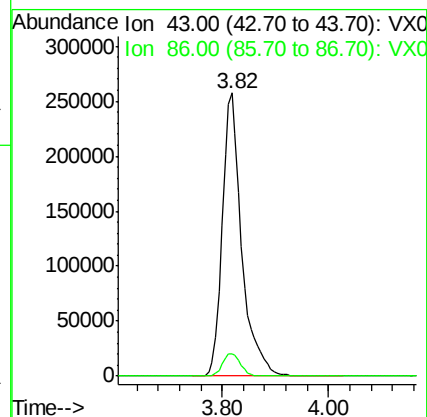
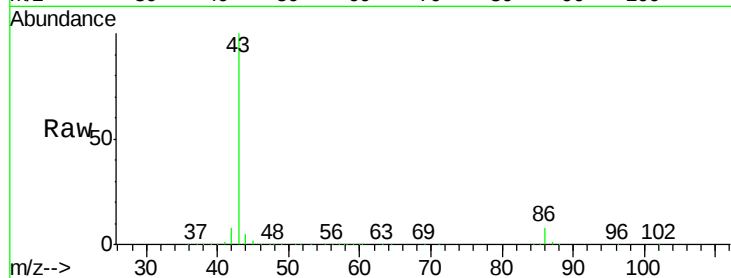
86 8.1 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 21.666 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

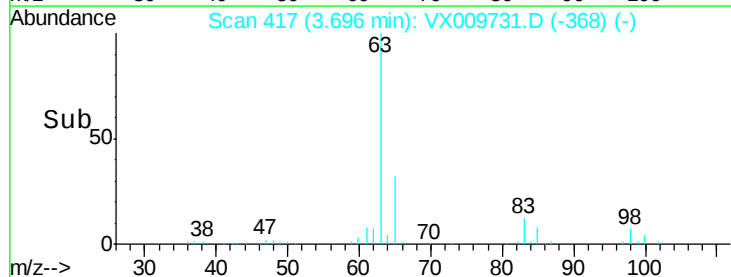
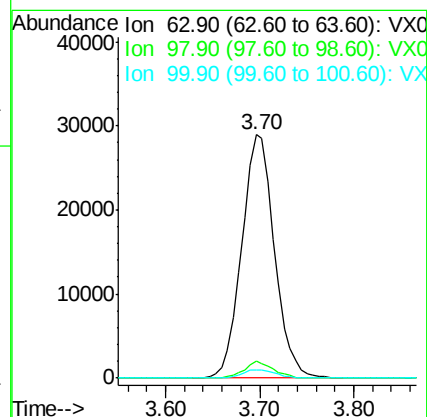
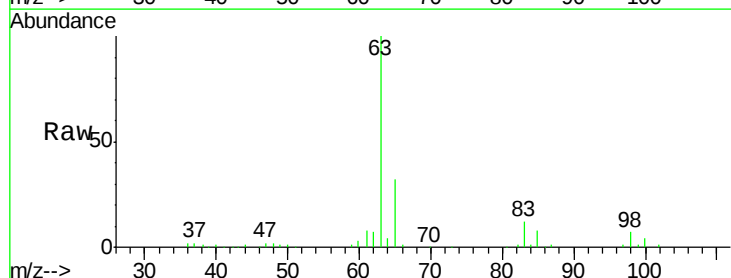
Tgt Ion: 63 Resp: 70156

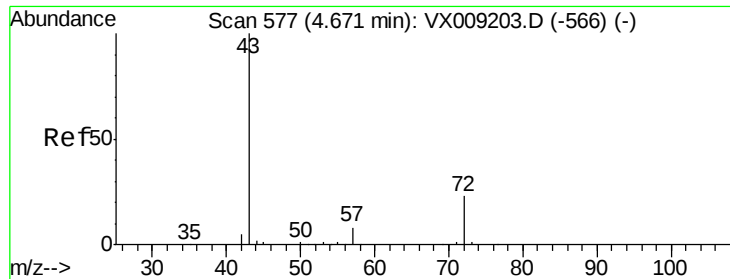
Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.2

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 118.514 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

Tot Ion: 43 Resp: 201504

Ion Ratio Lower Upper

43 100

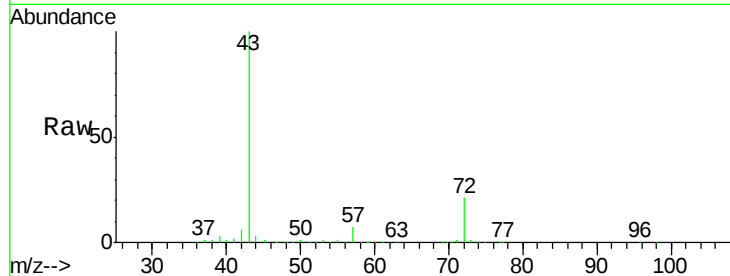
72 20.9 18.2 27.2

Manual Integrations

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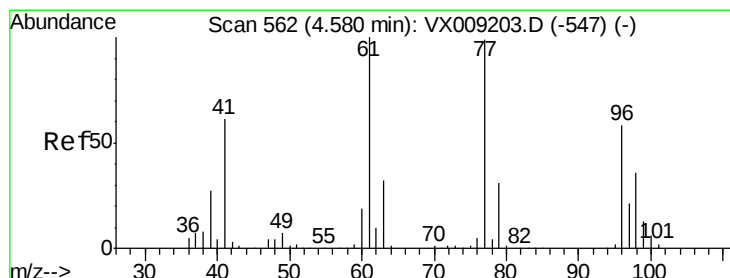
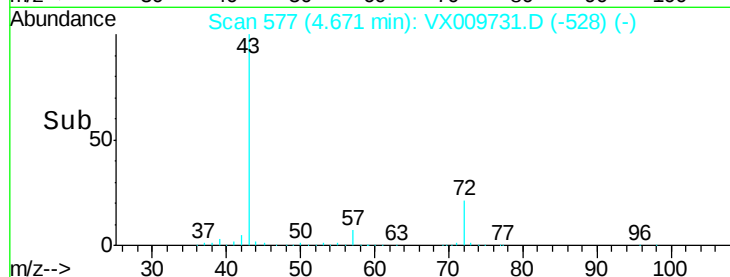
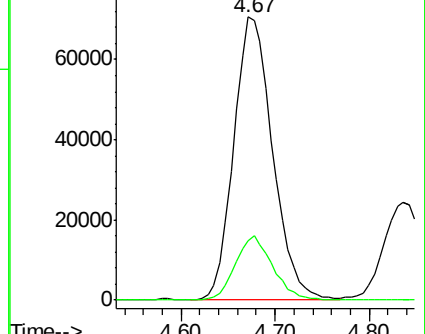
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.863 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009731.D

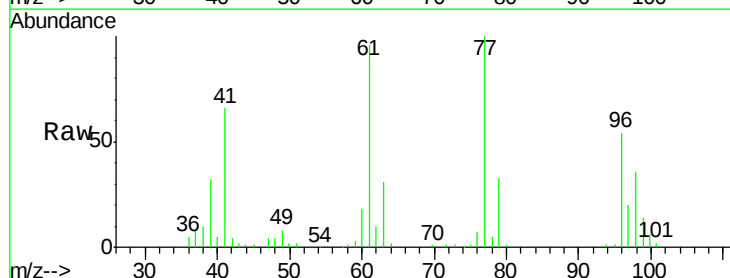
Acq: 20 May 2019 17:13

Tgt Ion: 77 Resp: 47874

Ion Ratio Lower Upper

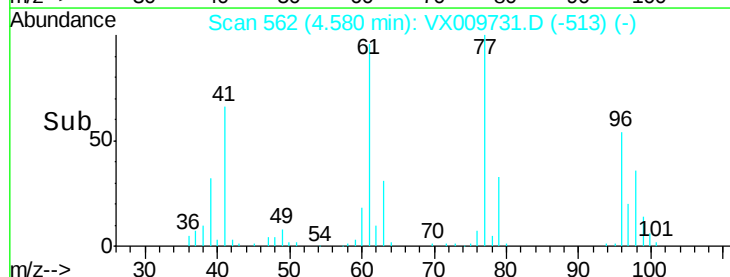
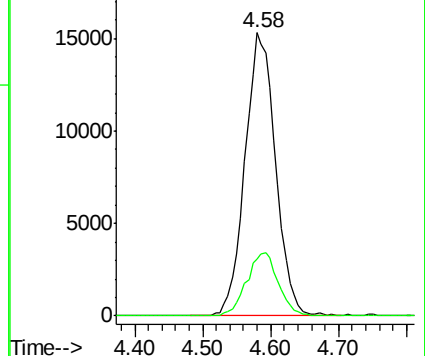
77 100

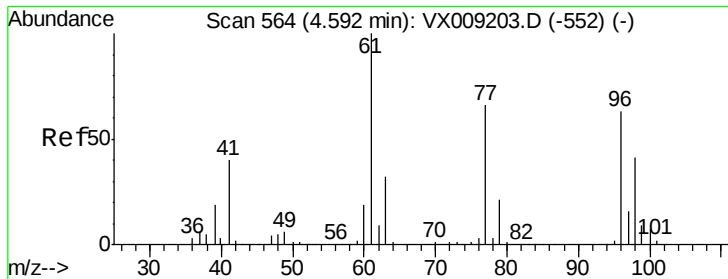
97 22.9 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

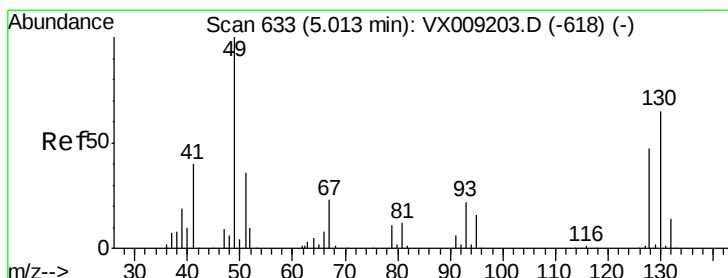
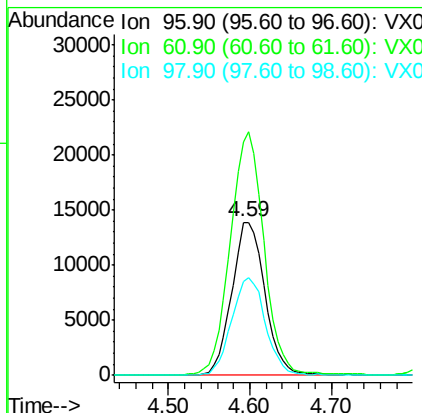
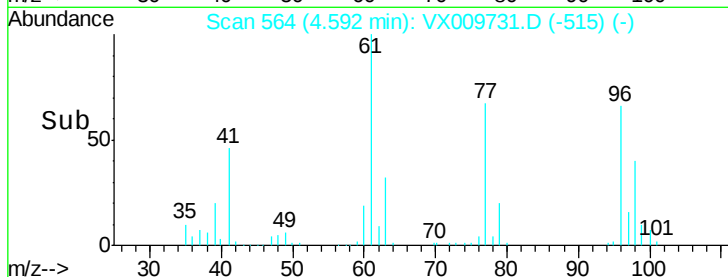
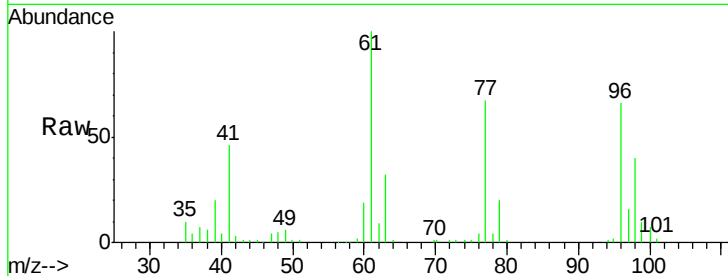
cis-1,2-Dichloroethene
Concen: 21.569 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	39103		
61	161.4	0.0	324.0	
98	65.0	0.0	130.4	

Manual Integrations
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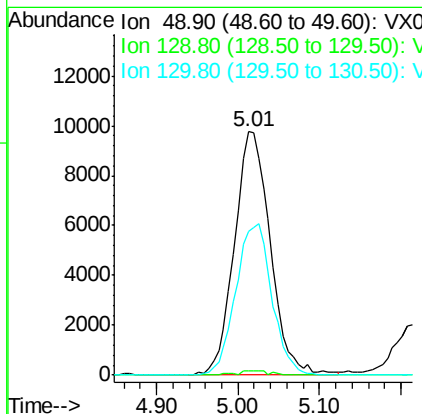
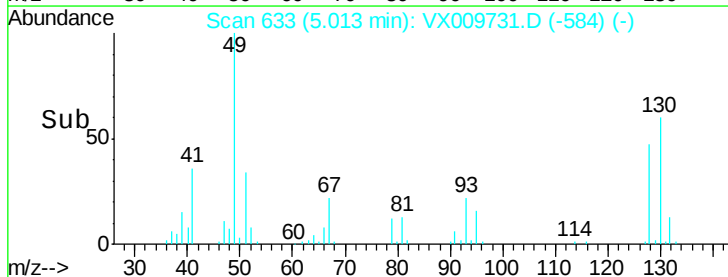
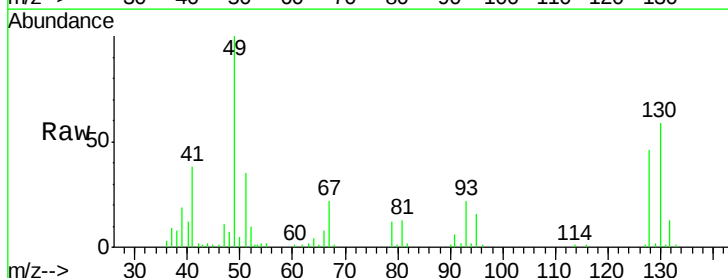
MMDadoda
5/21/2019 9:13:35 AM

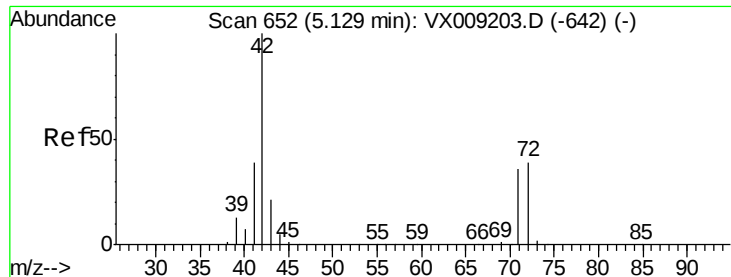


#28

Bromochloromethane
Concen: 21.329 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	29850		
129	1.3	0.0	3.8	
130	62.3	51.2	76.8	





#29

Tetrahydrofuran

Concen: 120.540 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

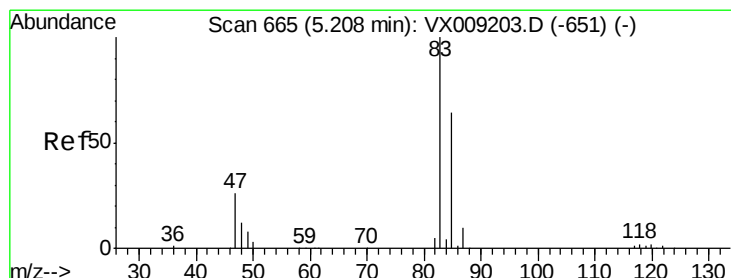
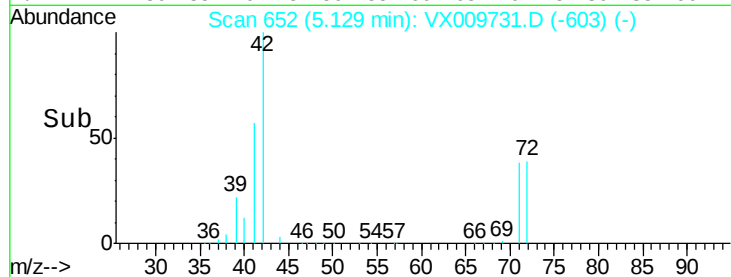
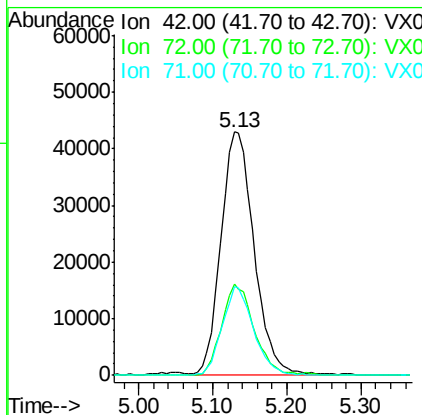
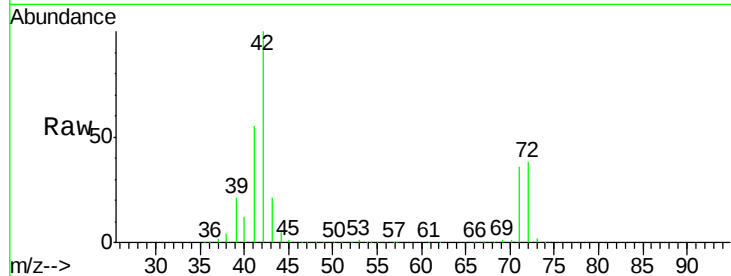
ClientSampleId :

VX0520WBSD01

Tot Ion:	42	Resp:	131884
Ion	Ratio	Lower	Upper
42	100		
72	37.4	30.4	45.6
71	35.1	28.6	43.0

Manual Integrations
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#30

Chloroform

Concen: 22.145 ug/l

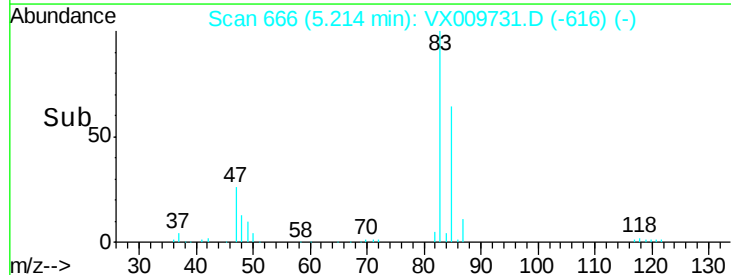
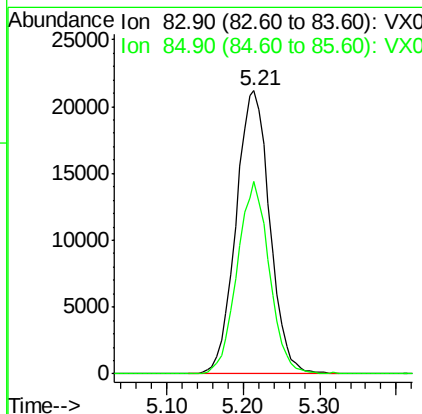
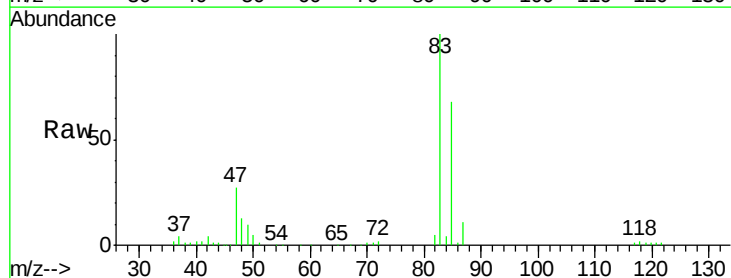
RT: 5.21 min Scan# 666

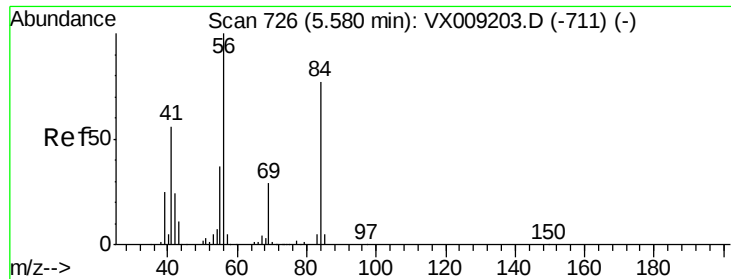
Delta R.T. 0.01 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Tgt Ion:	83	Resp:	64852
Ion	Ratio	Lower	Upper
83	100		
85	68.0	51.5	77.3





#31

Cyclohexane

Concen: 20.372 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

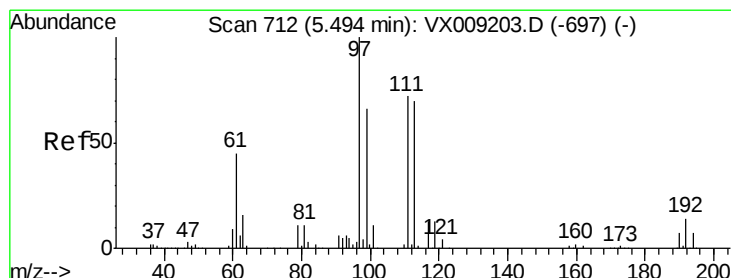
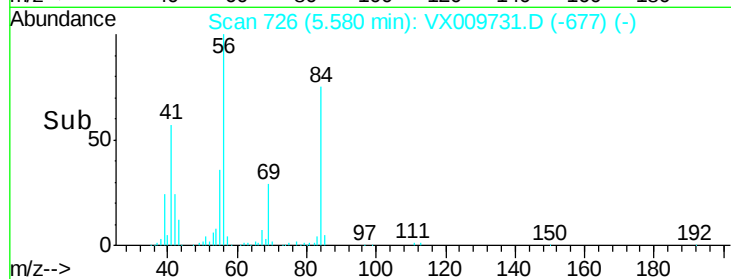
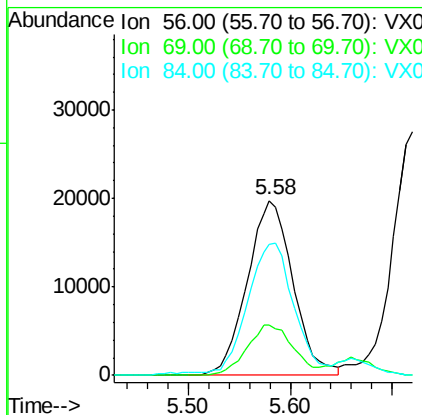
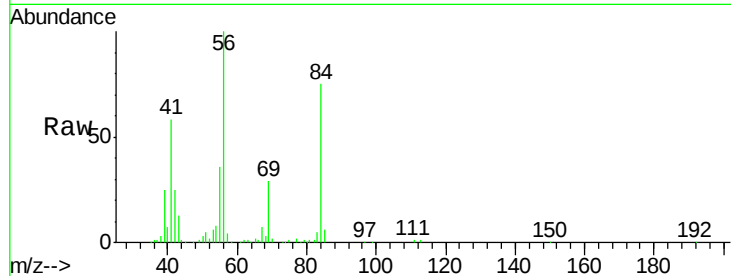
ClientSampleId :

VX0520WBSD01

Tot Ion:	56	Resp:	61372
Ion Ratio	Lower	Upper	
56	100		
69	28.5	23.4	35.0
84	73.6	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.128 ug/l

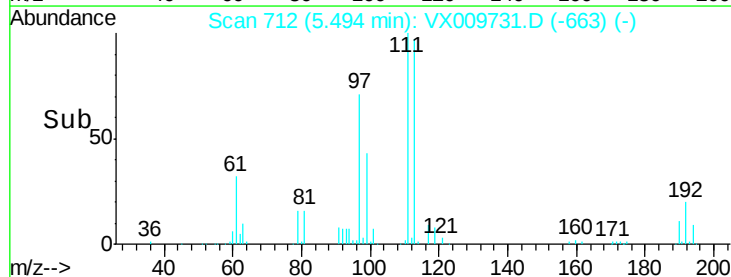
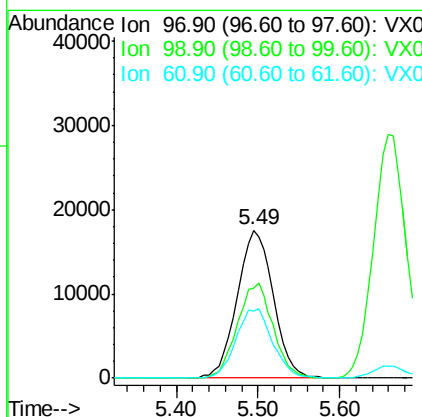
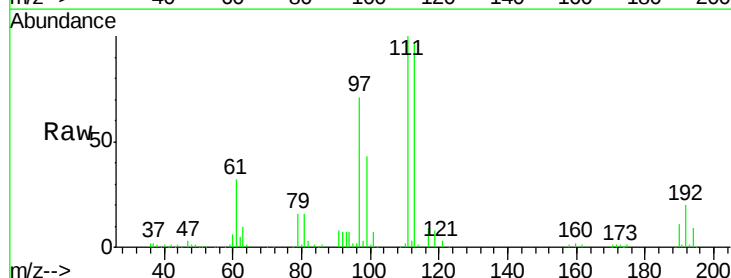
RT: 5.49 min Scan# 712

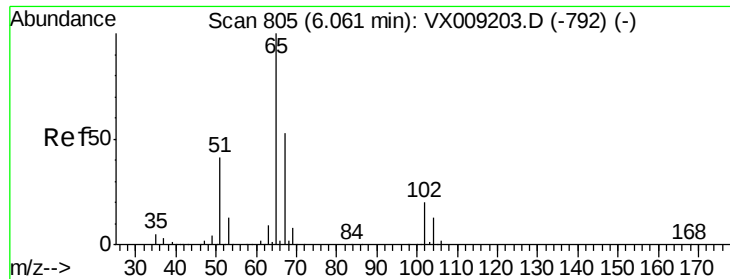
Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Tgt Ion:	97	Resp:	53946
Ion Ratio	Lower	Upper	
97	100		
99	63.4	51.8	77.8
61	47.7	37.8	56.8





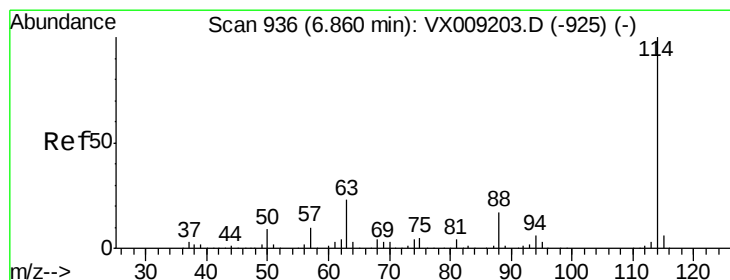
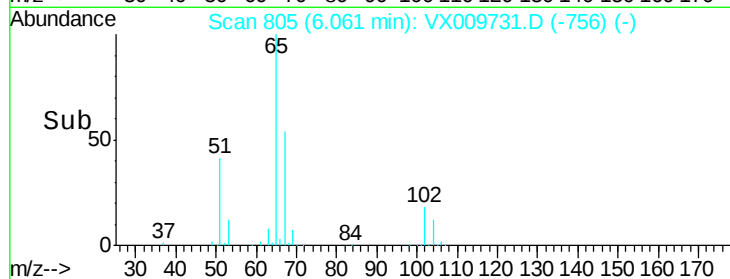
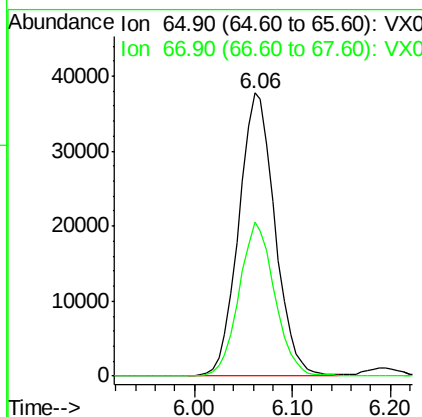
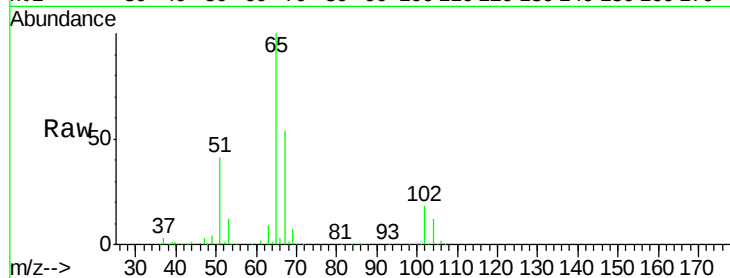
#33
 1,2-Dichloroethane-d4
 Concen: 47.522 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	106.6

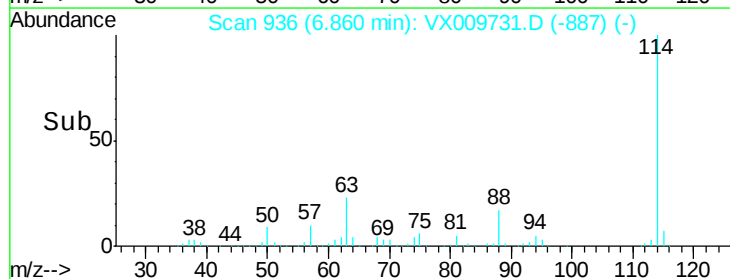
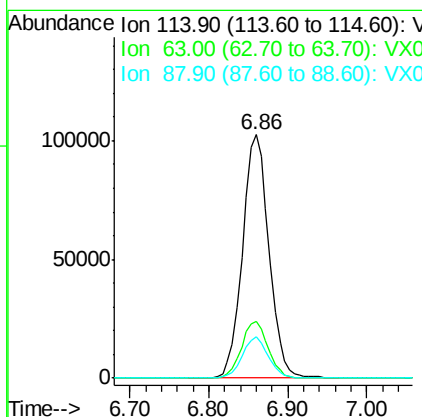
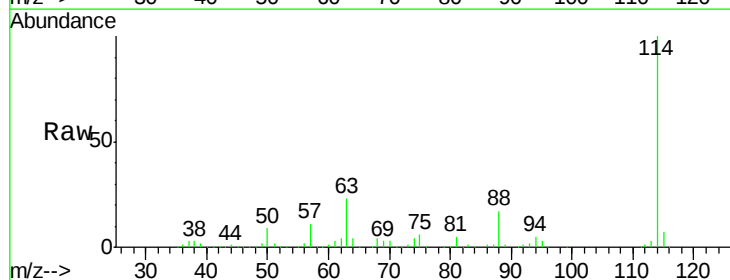
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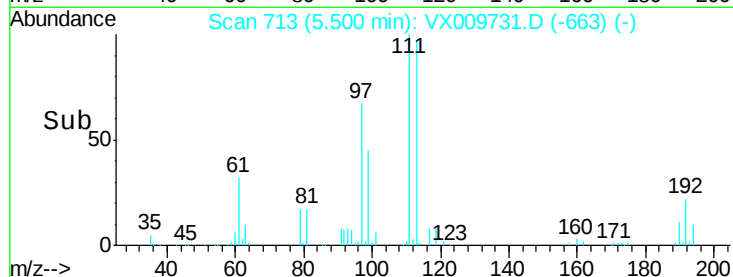
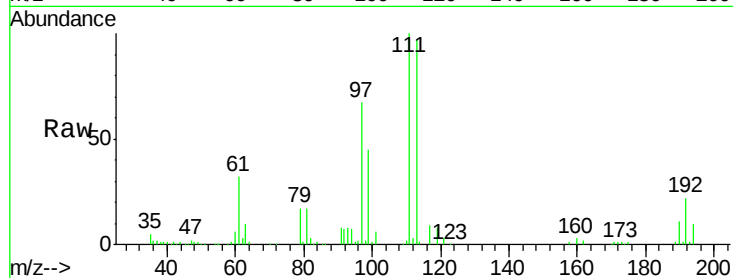
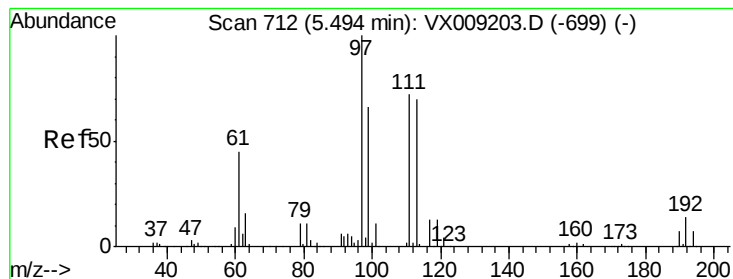
MMDadoda
 5/21/2019 9:13:35 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	45.6
88	16.8	0.0	33.2





#35

Dibromofluoromethane

Concen: 46.780 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009731.D

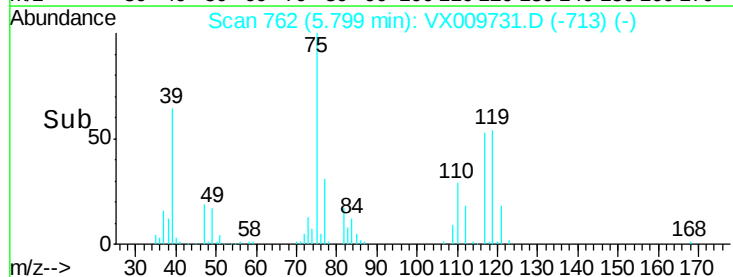
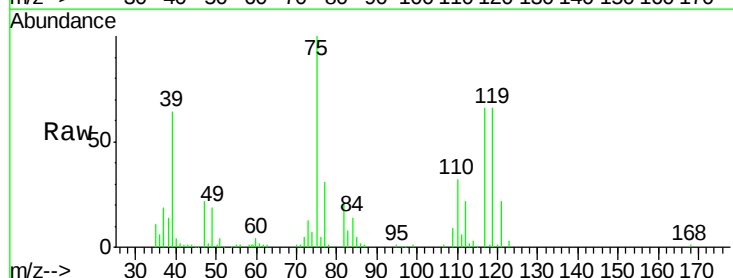
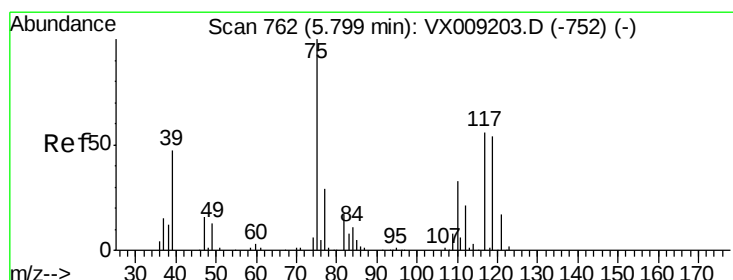
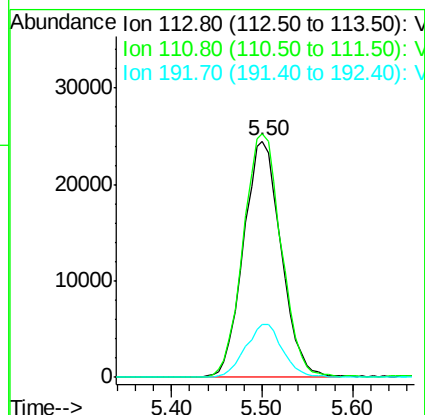
Acq: 20 May 2019 17:13

Tot Ion:	113	Resp:	70293
Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.8	124.2
192	22.3	17.0	25.6

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.819 ug/l

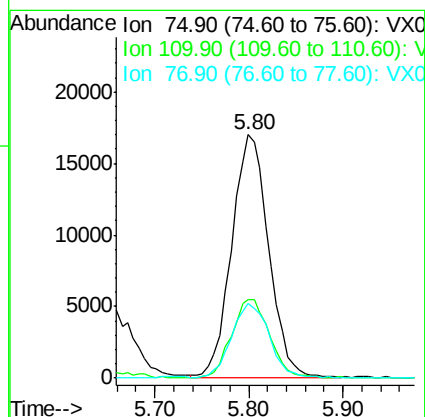
RT: 5.80 min Scan# 762

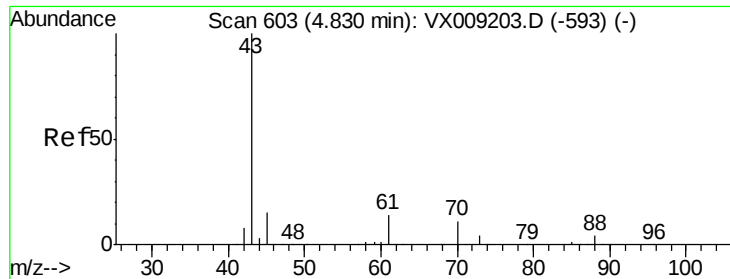
Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Tgt Ion:	75	Resp:	46245
Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	31.7	24.8	37.2





#37

Ethyl Acetate

Concen: 23.457 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

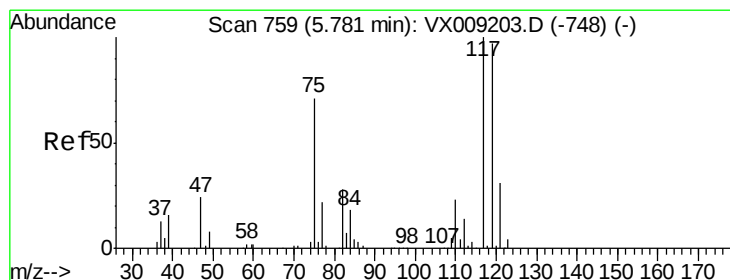
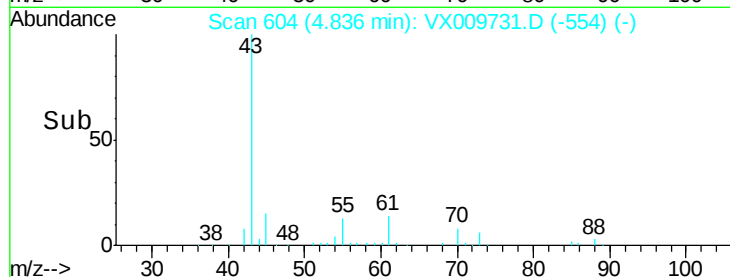
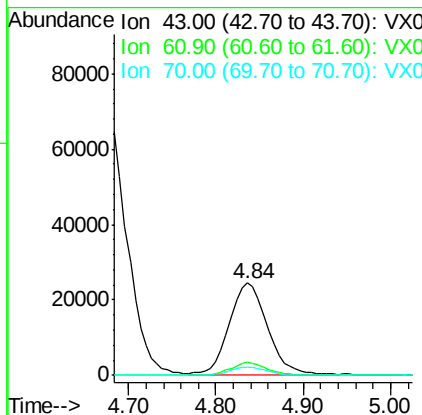
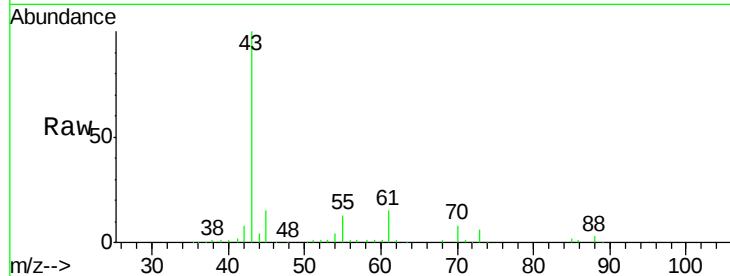
ClientSampleId :

VX0520WBSD01

Tot Ion:	43	Resp:	72598
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	9.1	7.9	11.9

Manual Integrations
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5/21/2019 9:13:35 AM



#38

Carbon Tetrachloride

Concen: 21.202 ug/l

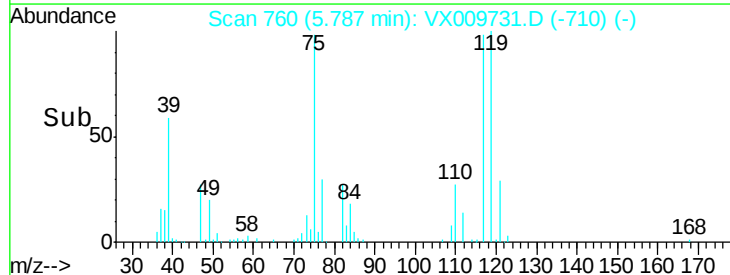
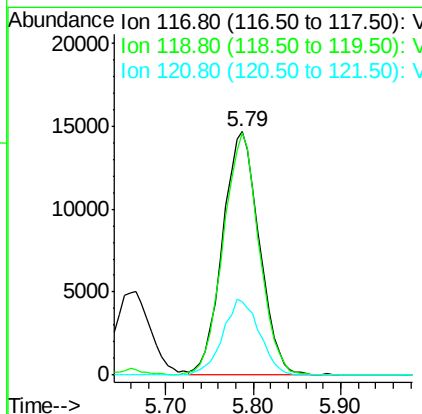
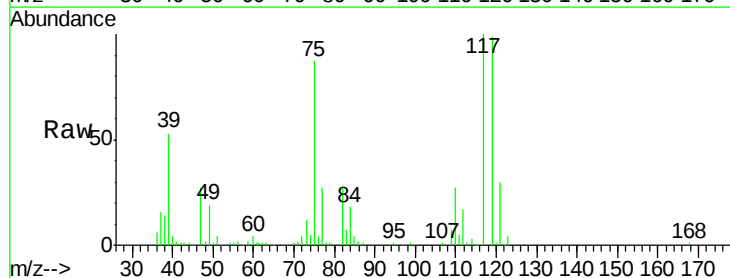
RT: 5.79 min Scan# 760

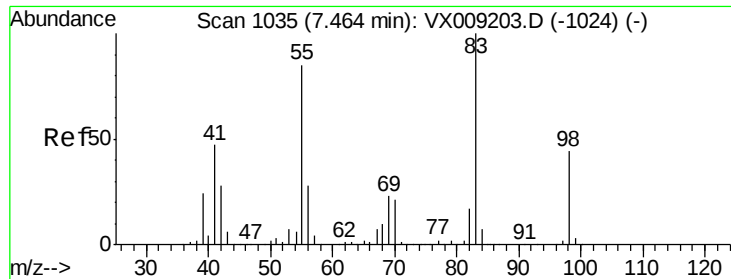
Delta R.T. 0.01 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Tgt Ion:	117	Resp:	42790
Ion	Ratio	Lower	Upper
117	100		
119	99.4	77.5	116.3
121	30.0	24.7	37.1





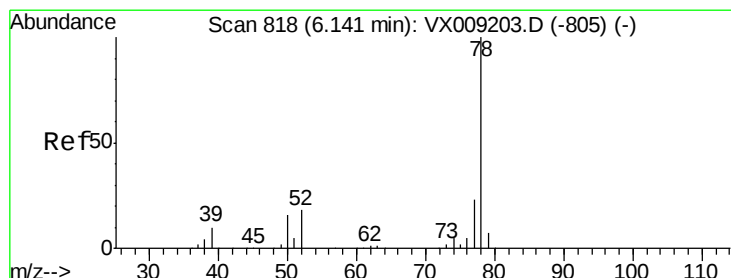
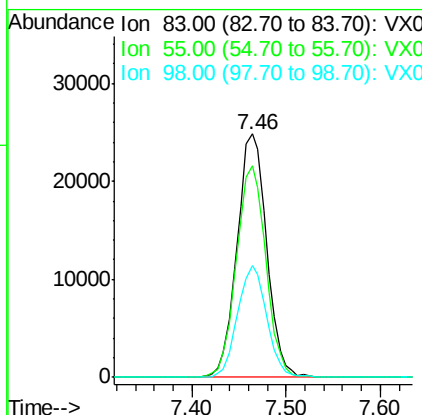
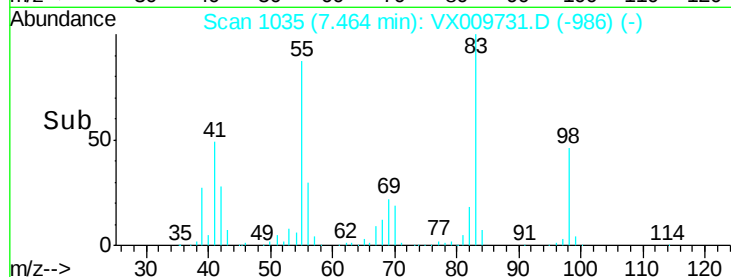
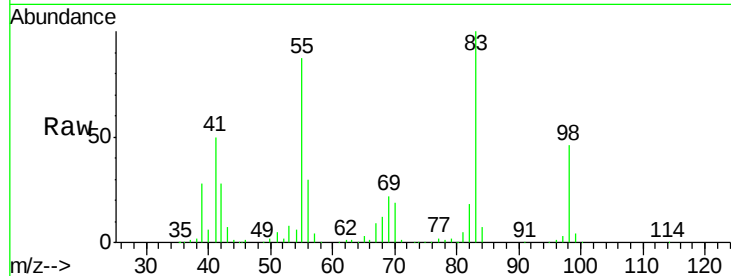
#39
Methvlcvclohexane
Concen: 20.070 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

Tot Ion	83.00	Resp	54750
Ion	Ratio	Lower	Upper
83	100		
55	87.0	67.7	101.5
98	45.7	35.5	53.3

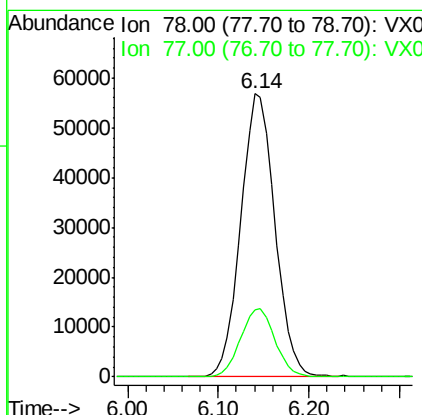
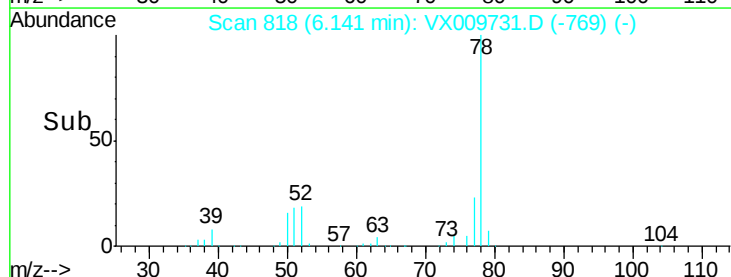
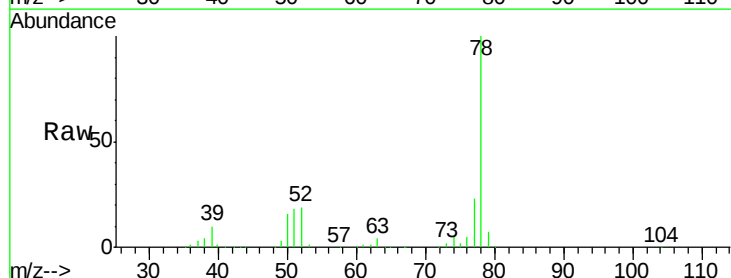
Manual Integrations
APPROVED

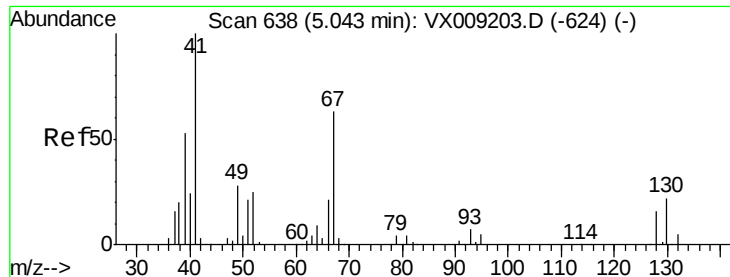
MMDadoda
5/21/2019 9:13:35 AM



#40
Benzene
Concen: 21.643 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion	78	Resp	148790
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





#41

Methacrylonitrile

Concen: 22.461 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

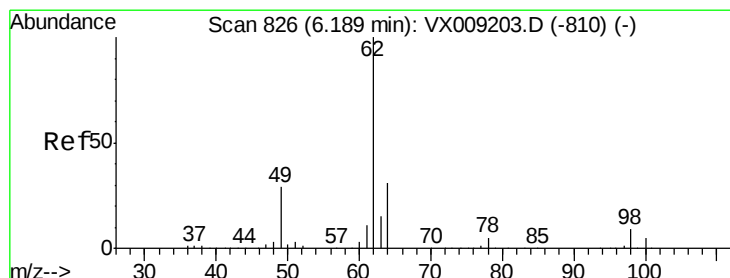
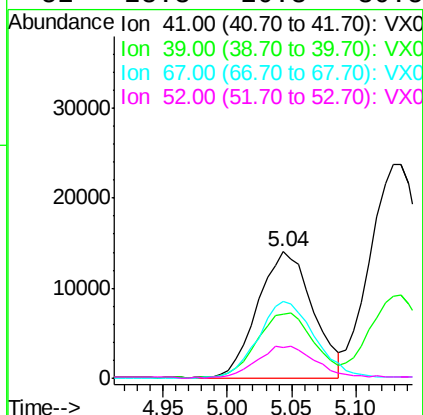
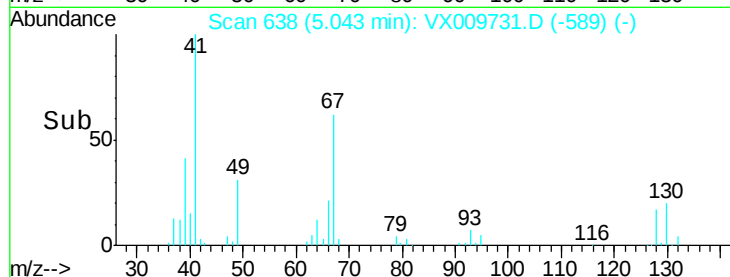
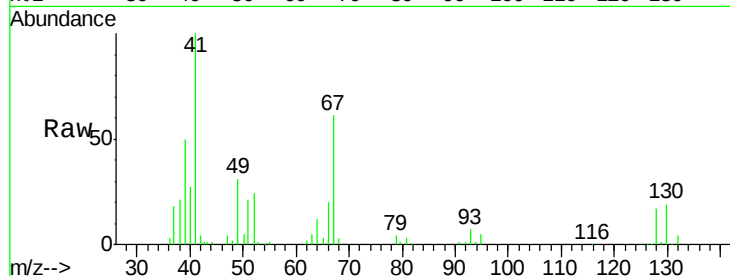
ClientSampleId :

VX0520WBSD01

Tot Ion:	41	Resp:	41380
Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.0	63.0
67	63.2	49.8	74.8
52	28.3	20.3	30.5

Manual Integrations
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5/21/2019 9:13:35 AM



#42

1,2-Dichloroethane

Concen: 22.855 ug/l

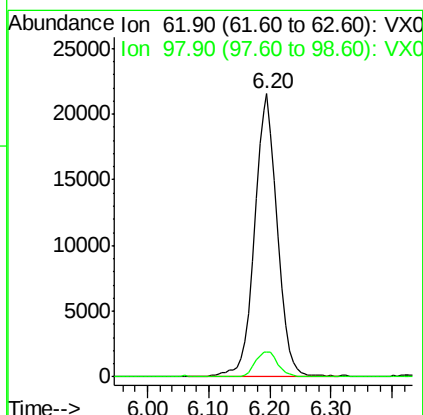
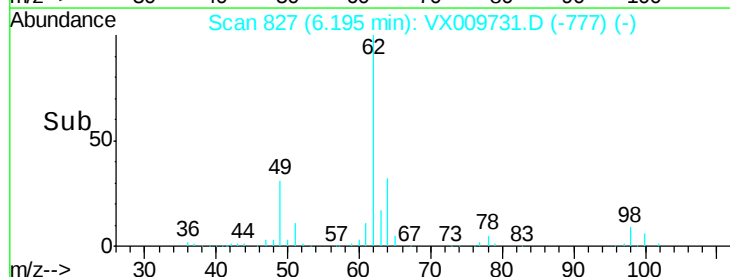
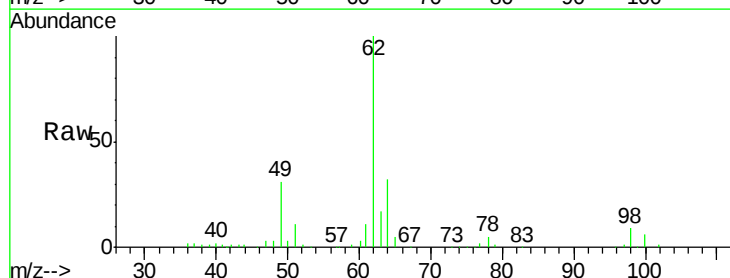
RT: 6.20 min Scan# 827

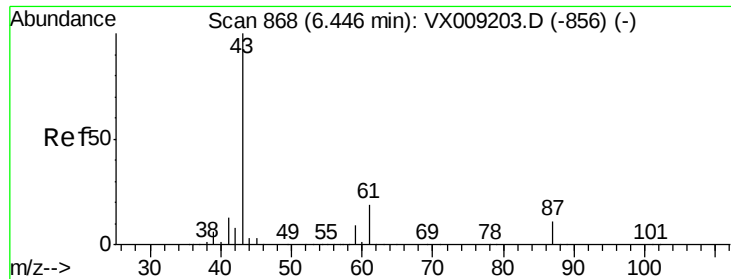
Delta R.T. 0.01 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Tgt Ion:	62	Resp:	56360
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2





#43

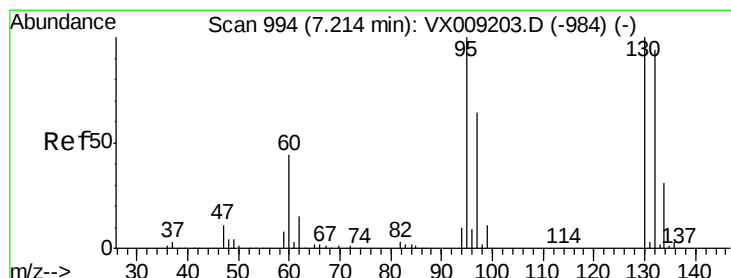
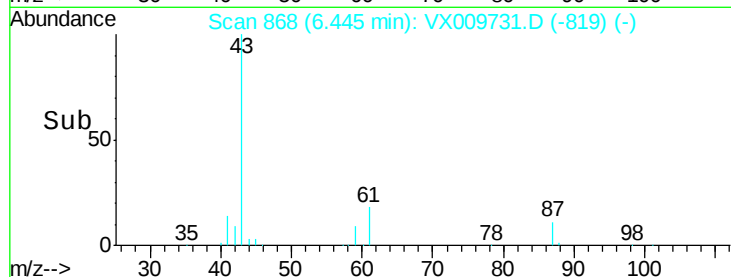
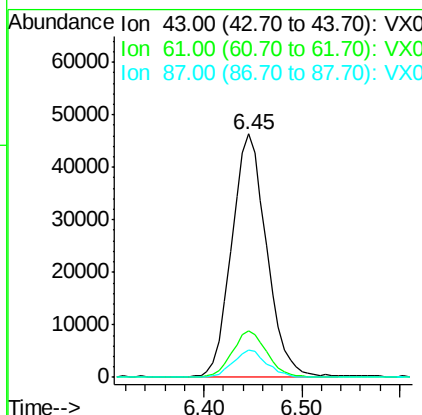
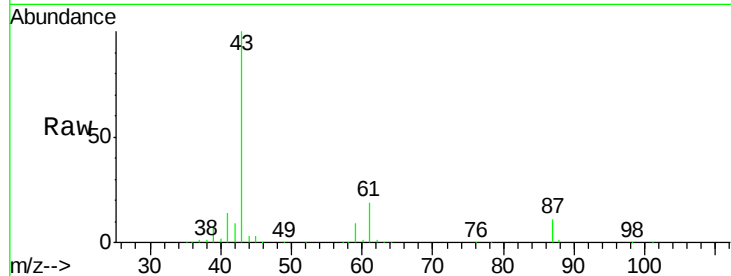
Isopropyl Acetate
 Concen: 23.100 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.1	22.7
87	10.9	9.0	13.6

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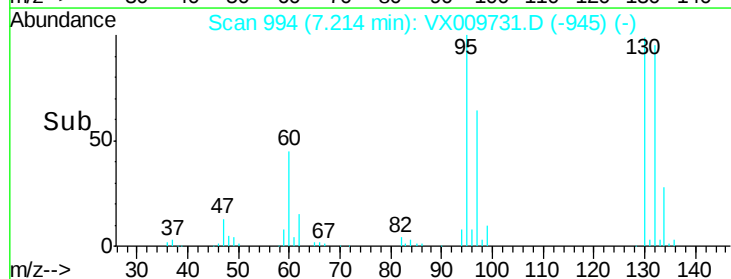
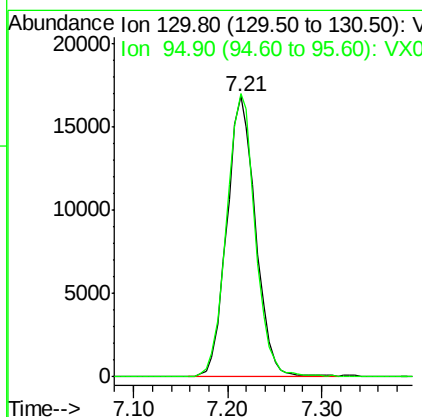
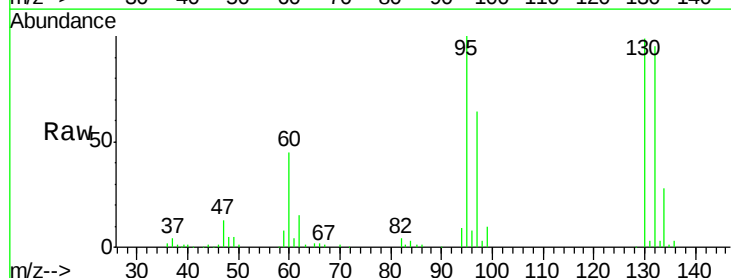
MMDadoda
 5/21/2019 9:13:35 AM

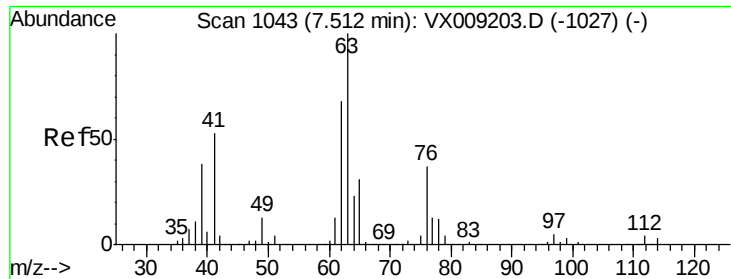


#44

Trichloroethene
 Concen: 21.380 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	199.2





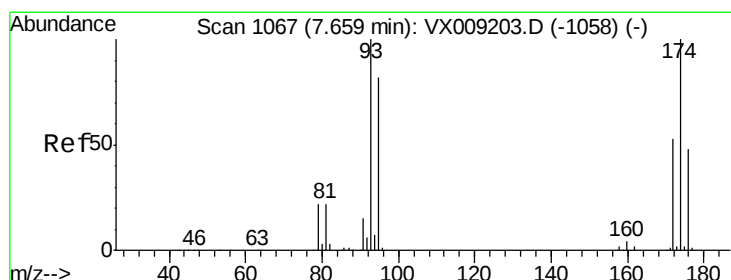
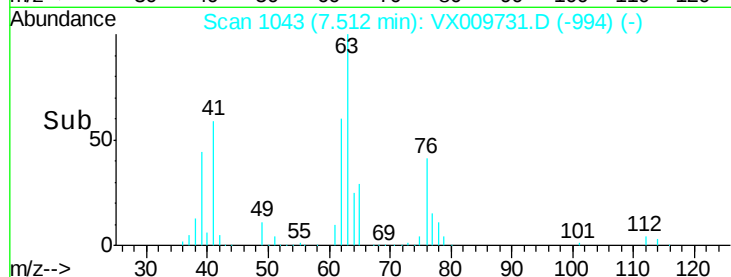
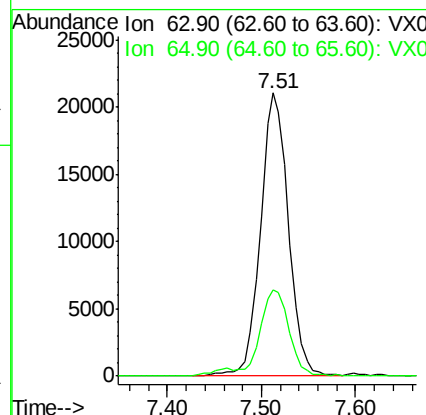
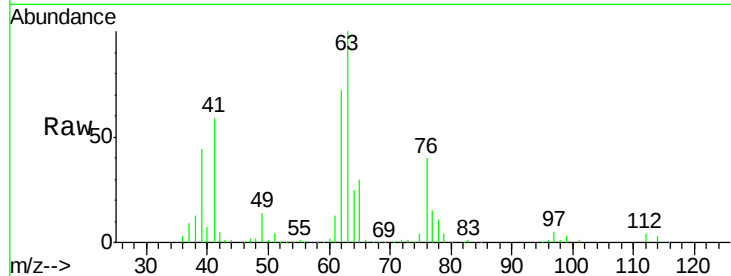
#45
 1,2-Dichloropropane
 Concen: 22.536 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

Tot Ion: 63 Resp: 43869
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6

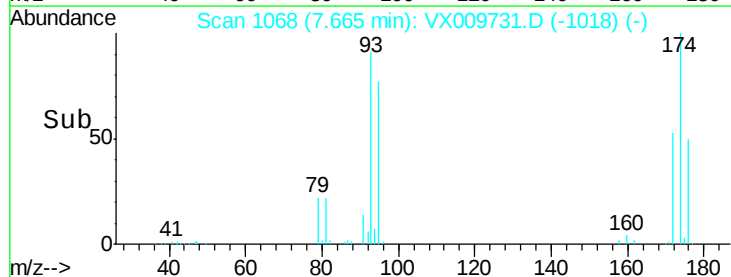
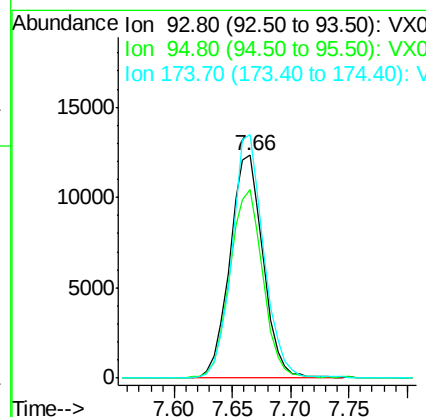
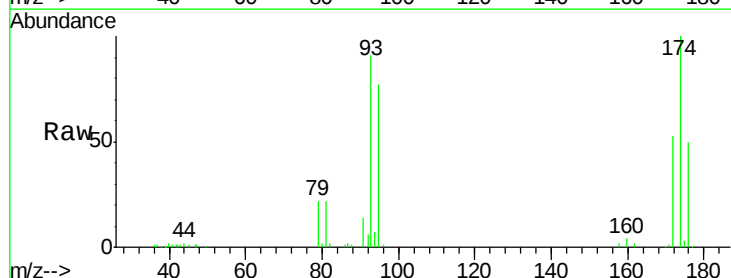
Manual Integrations
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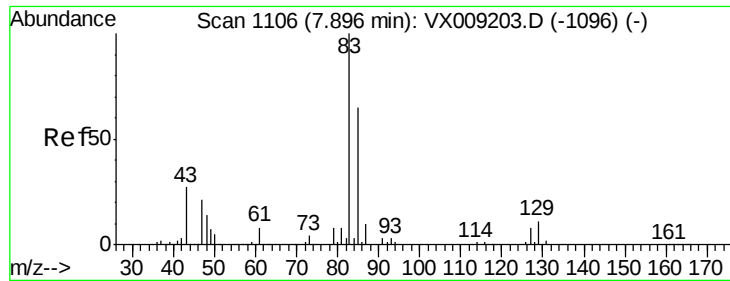
MMDadoda
 5/21/2019 9:13:35 AM



#46
 Dibromomethane
 Concen: 21.664 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion: 93 Resp: 24489
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.5 99.7
 174 104.8 82.1 123.1





#47

Bromodichloromethane

Concen: 22.333 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

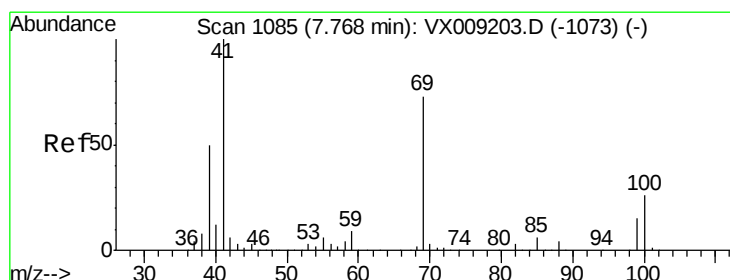
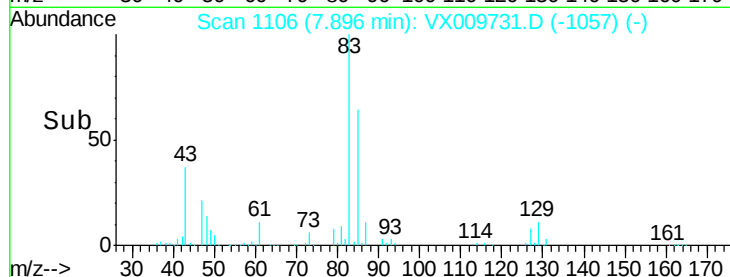
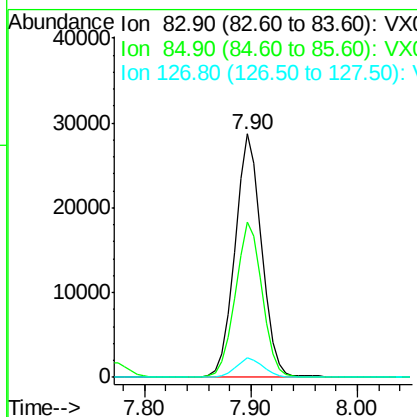
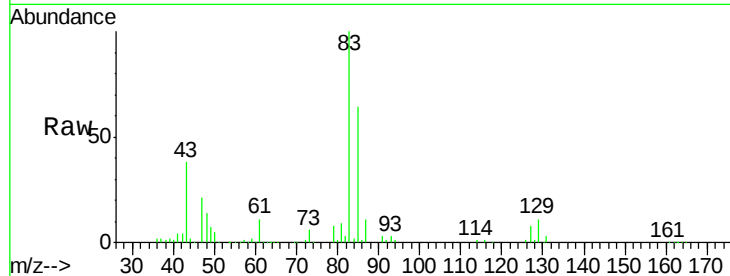
ClientSampleId :

VX0520WBSD01

Tot Ion:	83	Resp:	50358
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.4	78.6
127	8.3	6.6	10.0

Manual Integrations
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5/21/2019 9:13:35 AM



#48

Methyl methacrylate

Concen: 23.715 ug/l

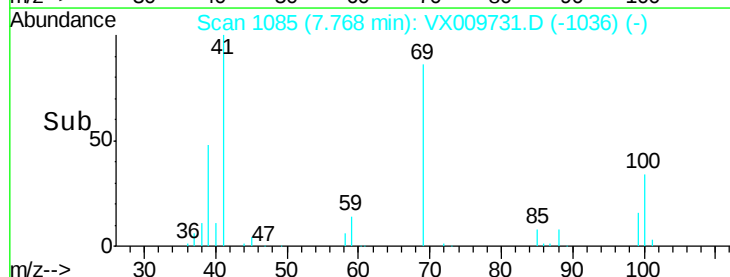
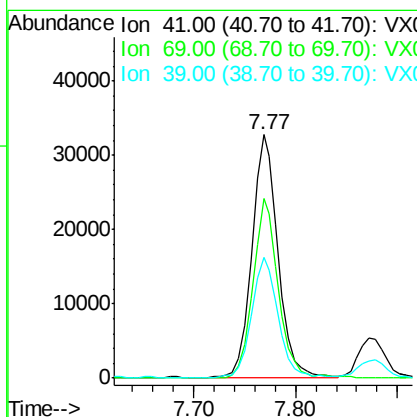
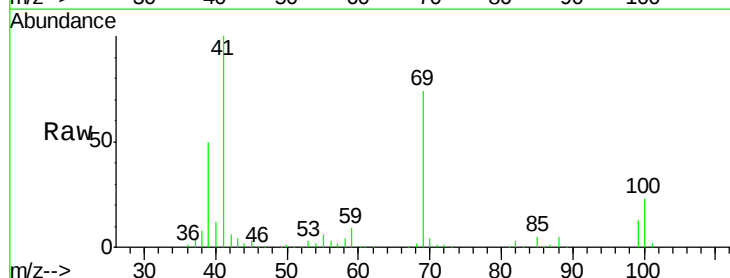
RT: 7.77 min Scan# 1085

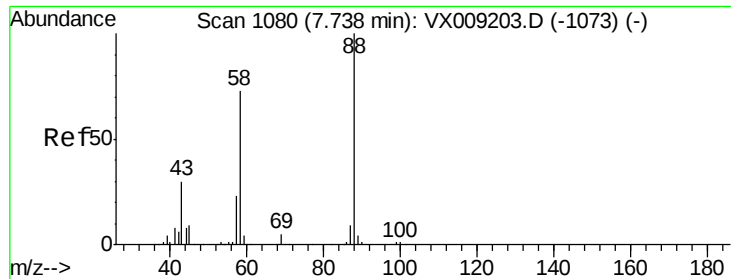
Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Tgt Ion:	41	Resp:	58246
Ion	Ratio	Lower	Upper
41	100		
69	72.2	59.1	88.7
39	51.5	40.4	60.6





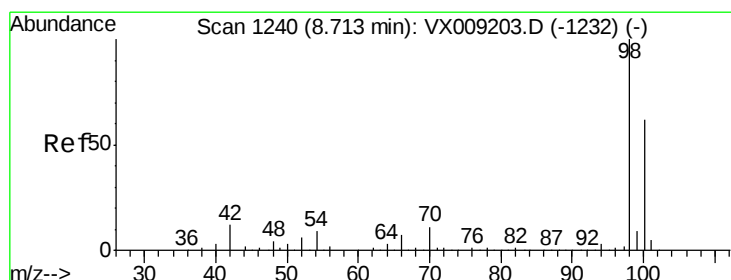
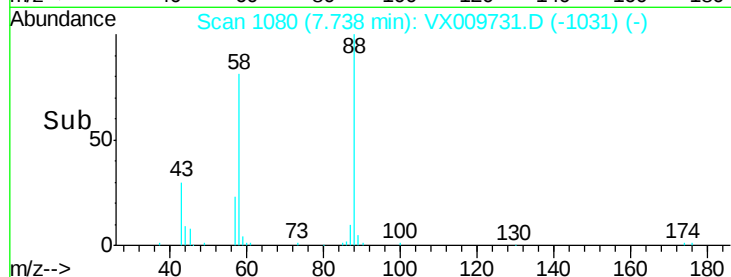
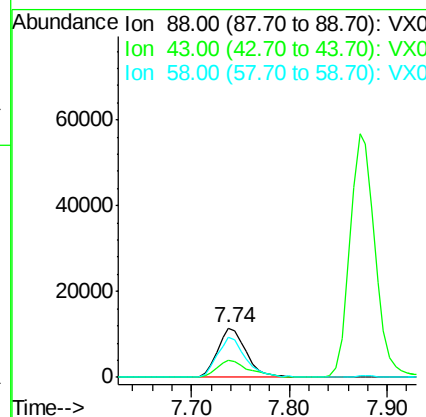
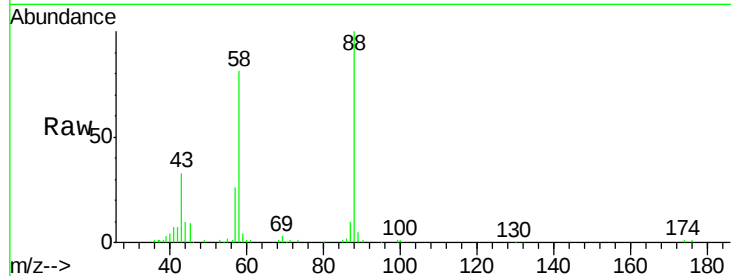
#49
1,4-Dioxane
Concen: 468.007 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampled :
VX0520WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	28.6	42.8
58	79.2	61.7	92.5

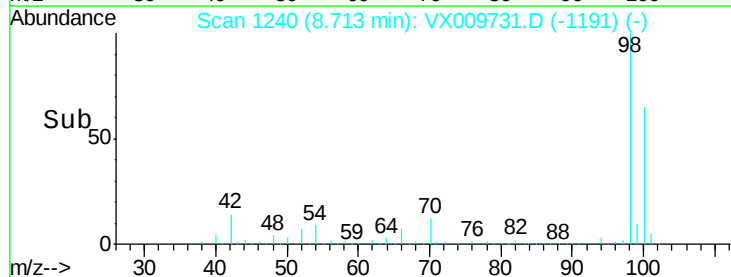
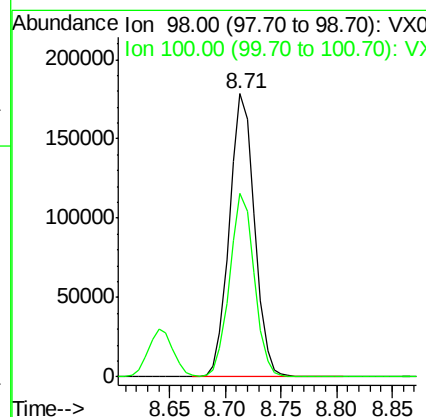
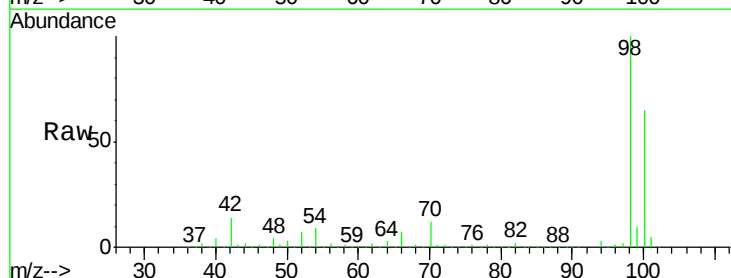
Manual Integrations
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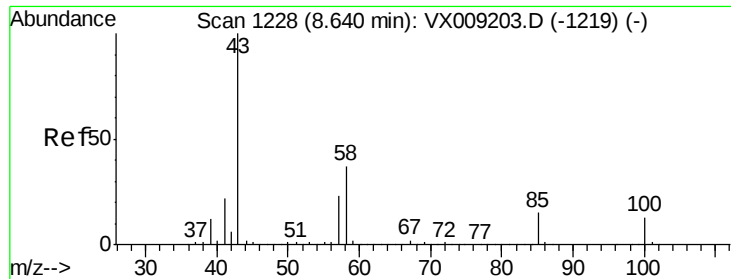
MMDadoda
5/21/2019 9:13:35 AM



#50
Toluene-d8
Concen: 45.915 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 122.429 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

Tot Ion: 43 Resp: 396153

Ion Ratio Lower Upper

43 100

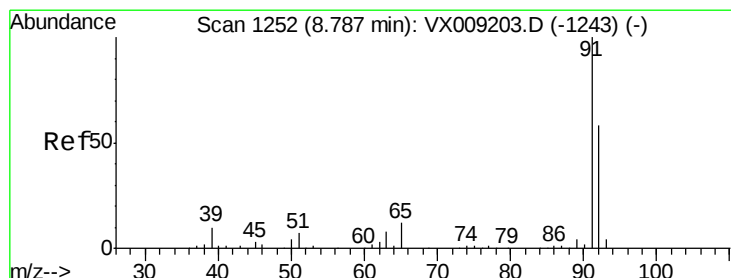
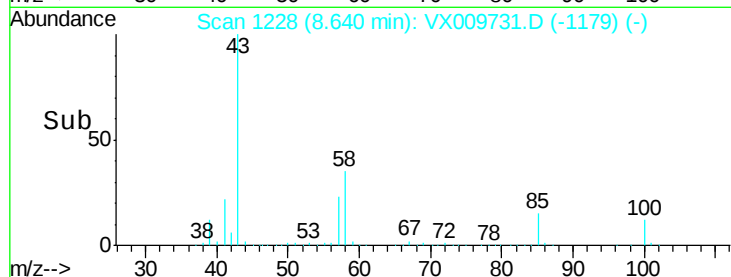
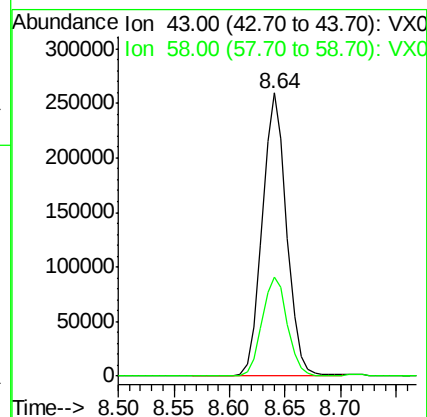
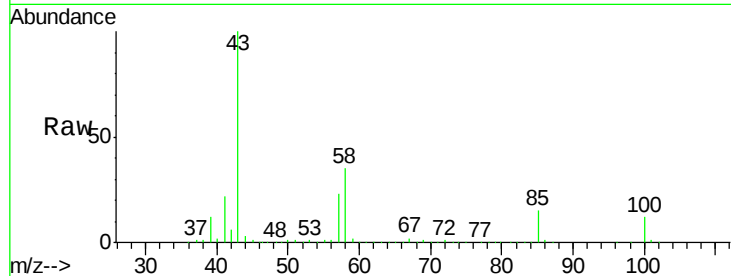
58 36.2 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 21.758 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009731.D

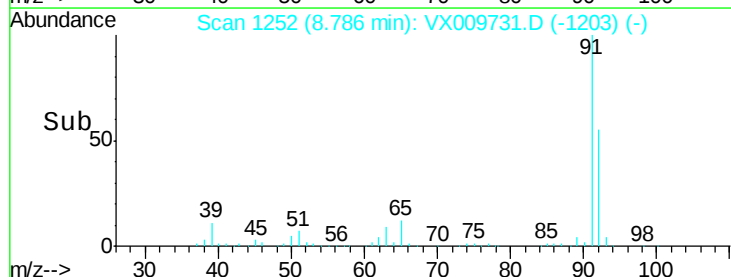
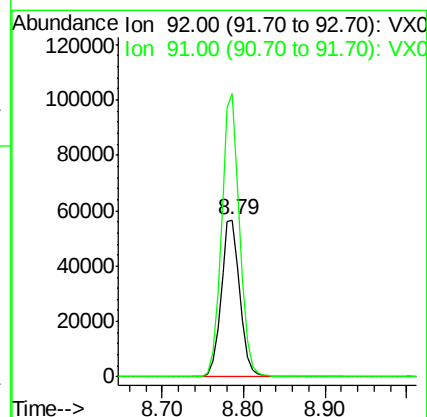
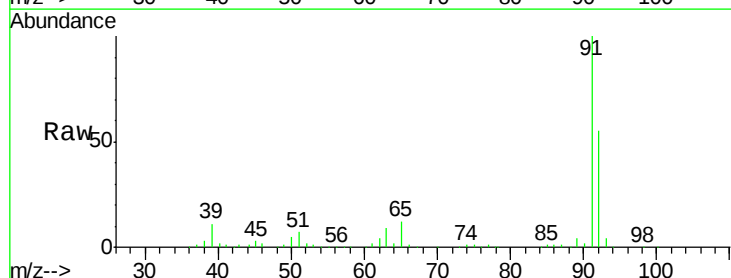
Acq: 20 May 2019 17:13

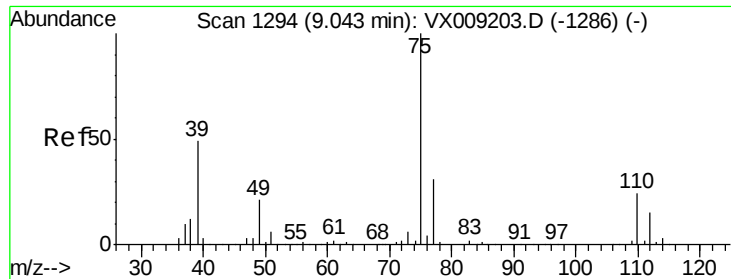
Tgt Ion: 92 Resp: 90923

Ion Ratio Lower Upper

92 100

91 174.0 138.8 208.2





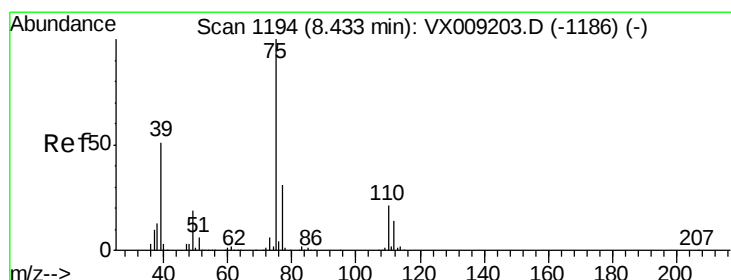
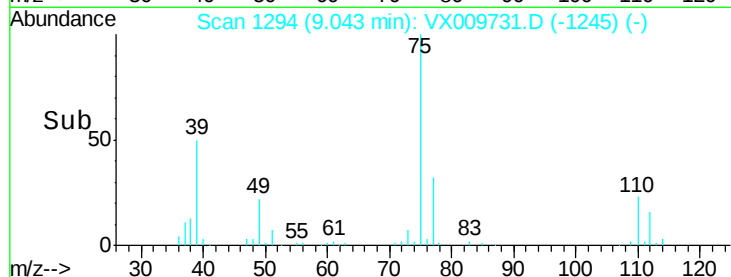
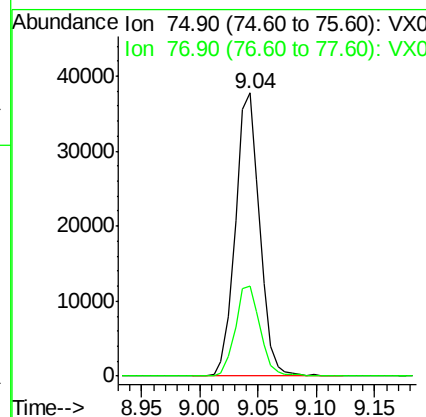
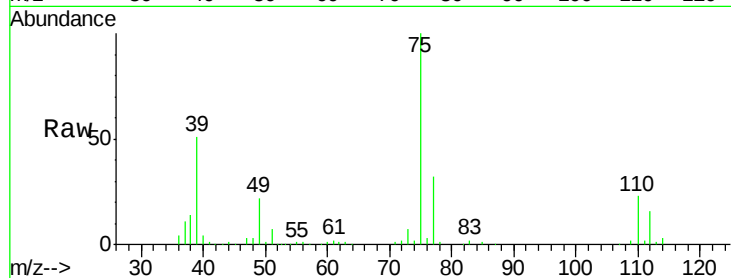
#53
t-1,3-Dichloropropene
Concen: 21.568 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

Tot Ion: 75 Resp: 54908
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6

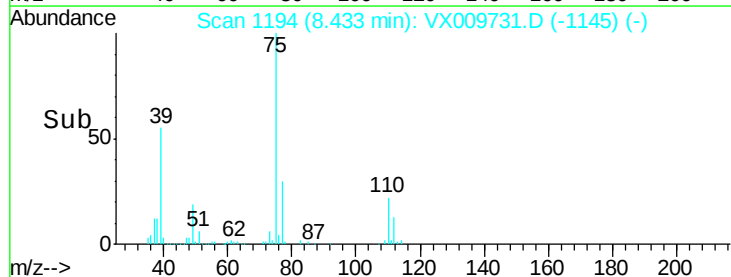
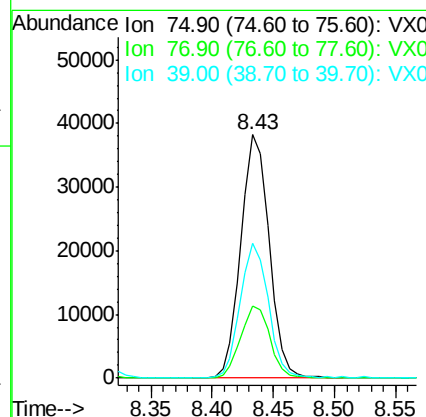
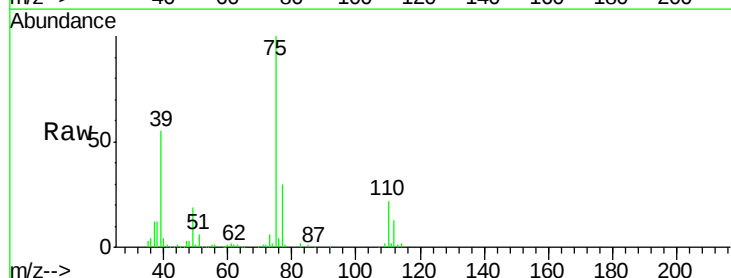
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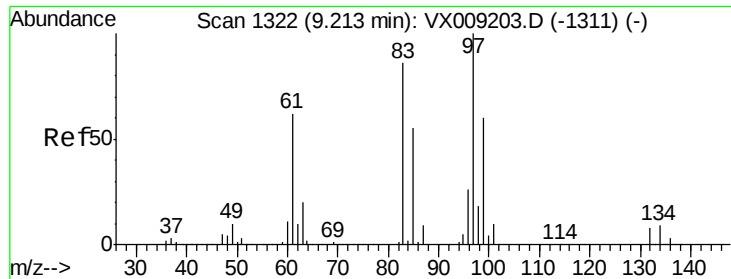
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.897 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion: 75 Resp: 61702
Ion Ratio Lower Upper
75 100
77 29.6 24.6 36.8
39 55.1 40.6 60.8





#55

1,1,2-Trichloroethane

Concen: 22.857 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

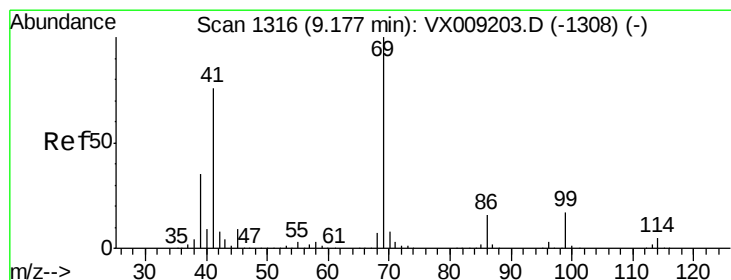
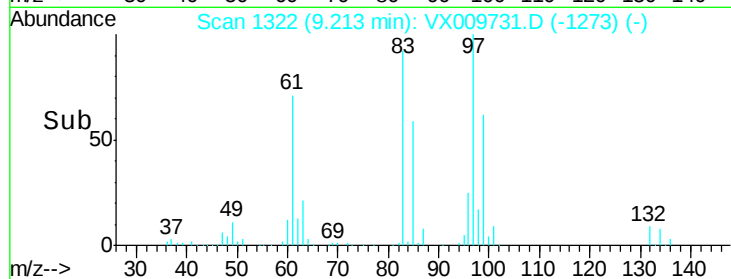
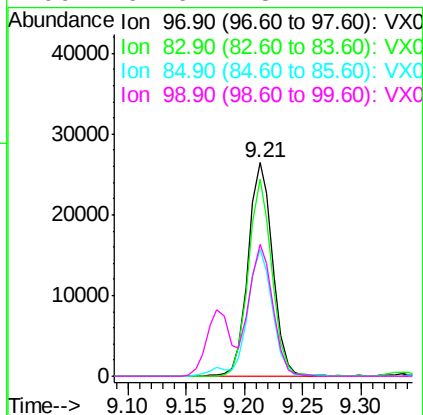
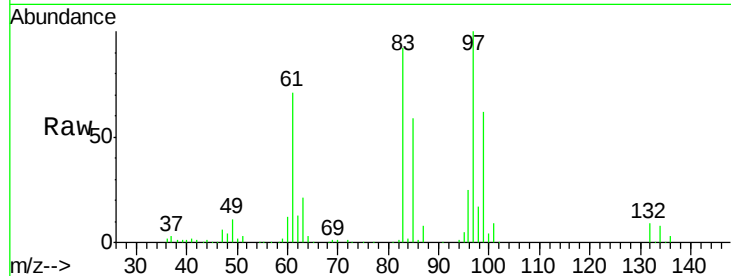
ClientSampleId :

VX0520WBSD01

Tot Ion:	97	Resp:	38968
Ion	Ratio	Lower	Upper
97	100		
83	92.4	68.9	103.3
85	59.3	43.8	65.6
99	61.6	48.2	72.2

Manual Integrations
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5/21/2019 9:13:35 AM



#56

Ethyl methacrylate

Concen: 22.795 ug/l

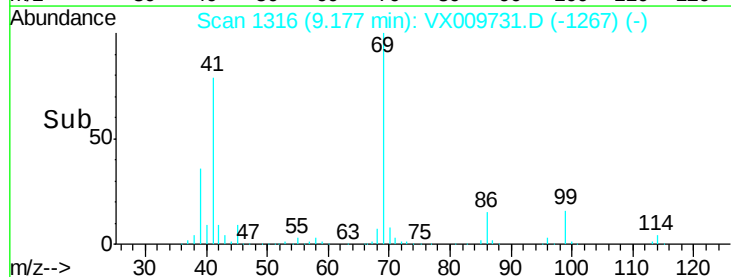
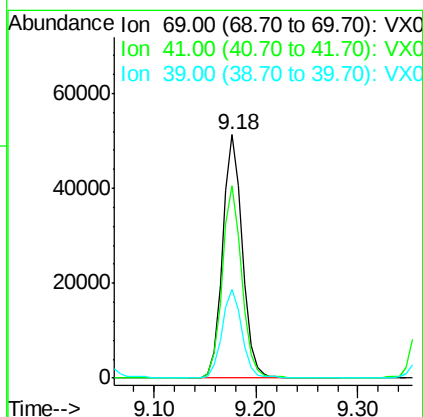
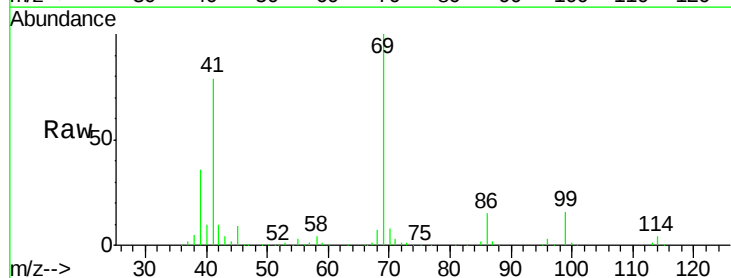
RT: 9.18 min Scan# 1316

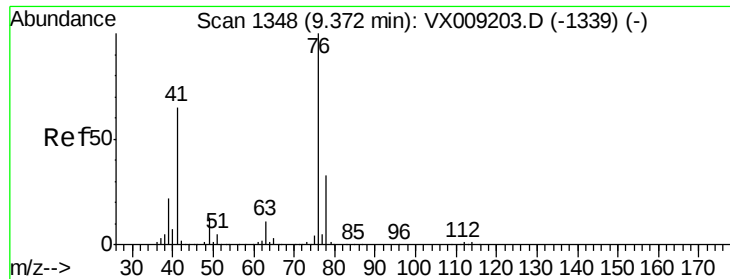
Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Tgt Ion:	69	Resp:	69372
Ion	Ratio	Lower	Upper
69	100		
41	77.7	60.6	90.8
39	36.7	28.2	42.4





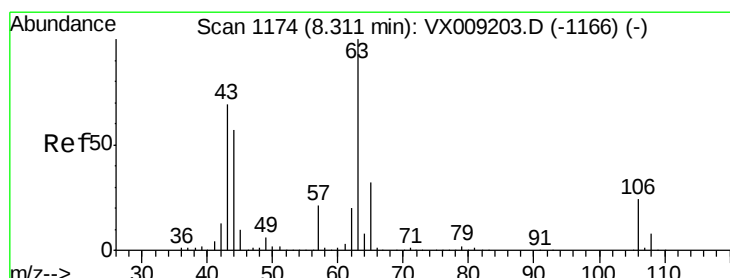
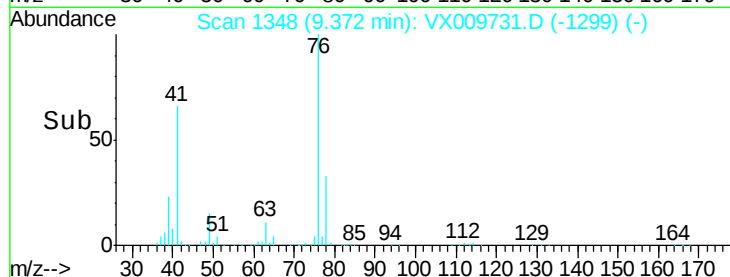
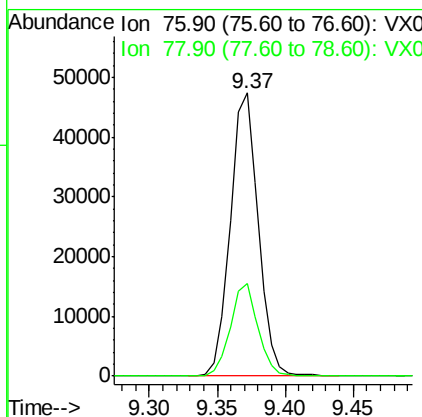
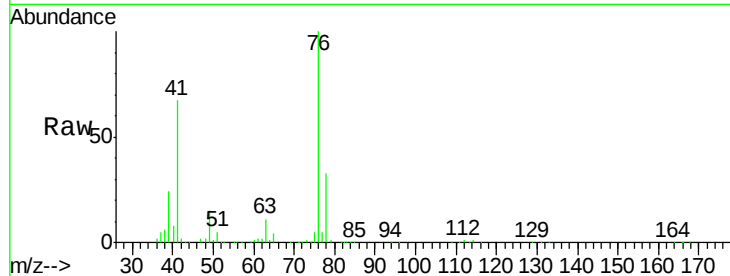
#57
 1,3-Dichloropropane
 Concen: 22.575 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

Tot Ion: 76 Resp: 67728
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3

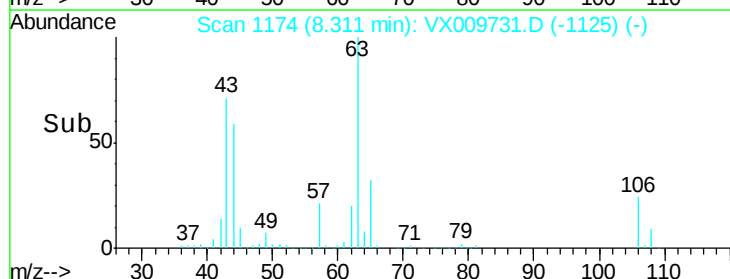
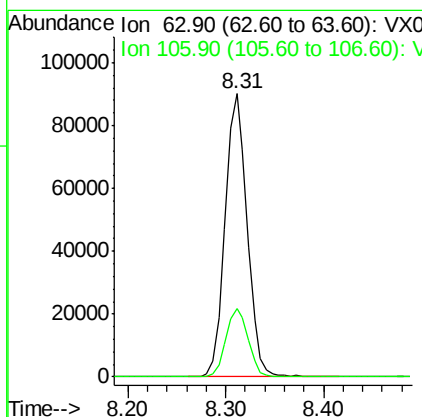
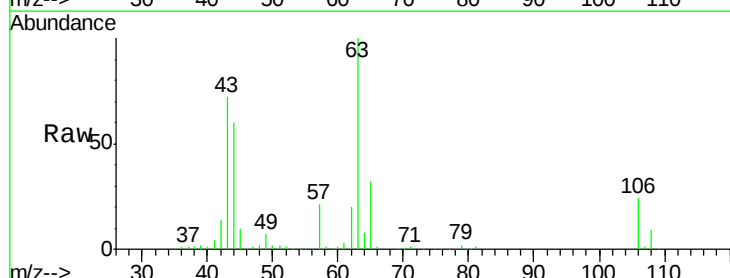
Manual Integrations
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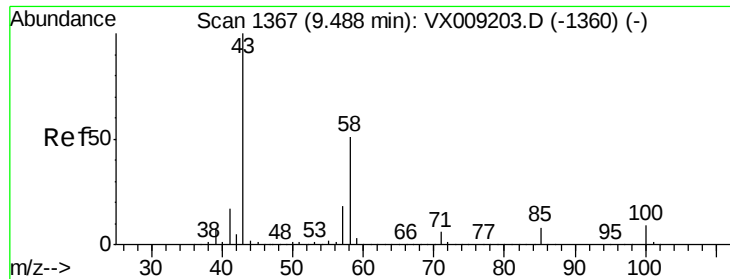
MMDadoda
 5/21/2019 9:13:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.503 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion: 63 Resp: 141270
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.7 29.5





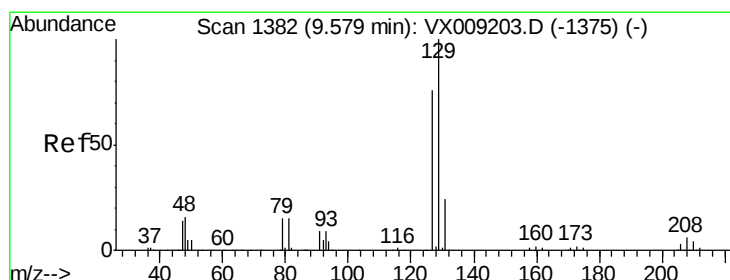
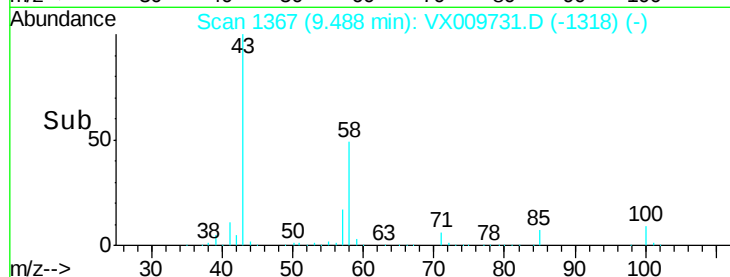
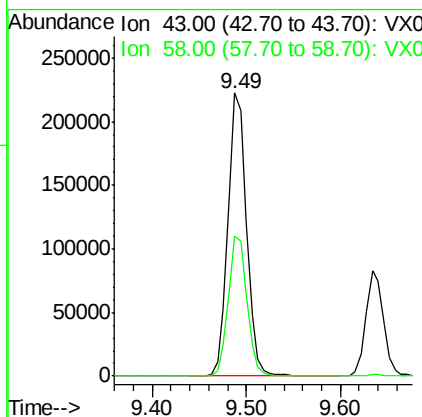
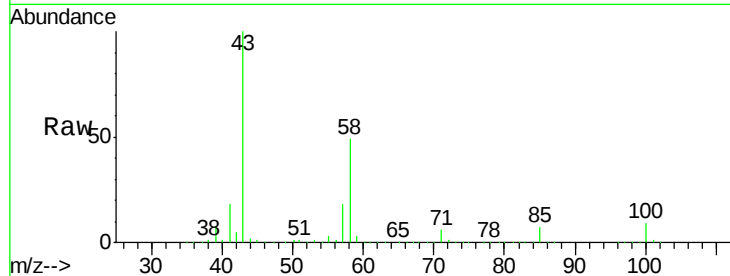
#59
2-Hexanone
Concen: 120.449 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

Tot Ion: 43 Resp: 306101
Ion Ratio Lower Upper
43 100
58 50.2 25.9 77.7

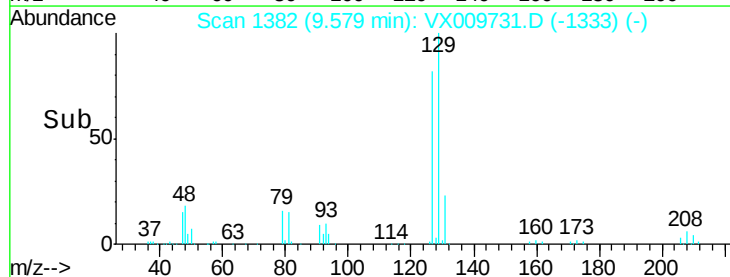
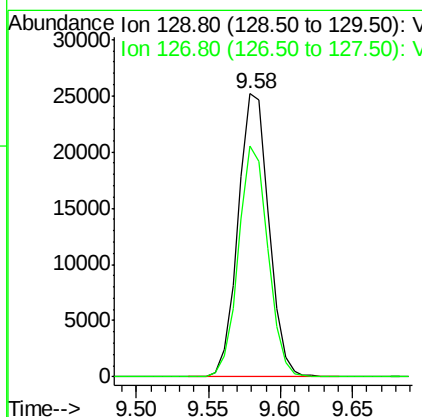
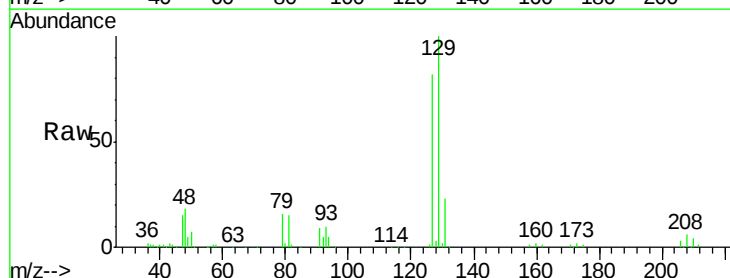
Manual Integrations
APPROVED

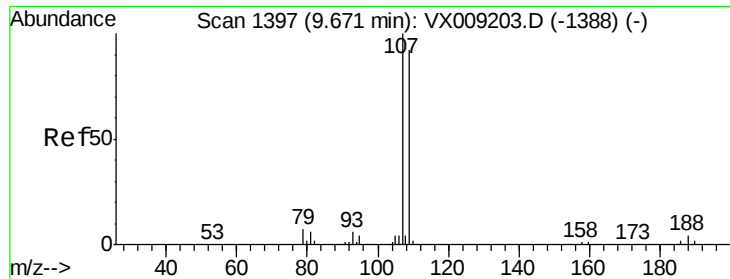
MMDadoda
5/21/2019 9:13:35 AM



#60
Dibromochloromethane
Concen: 22.414 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion: 129 Resp: 37322
Ion Ratio Lower Upper
129 100
127 78.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 22.486 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

Tot Ion:107 Resp: 38697

Ion Ratio Lower Upper

107 100

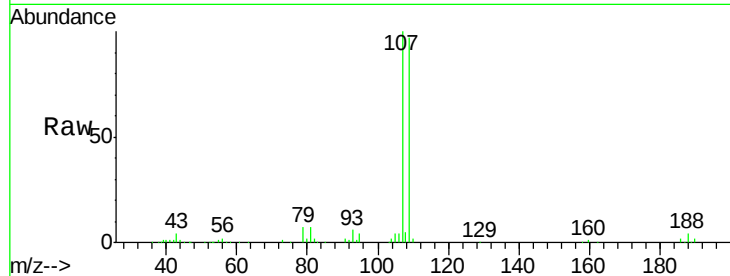
109 94.9 75.2 112.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

25000

20000

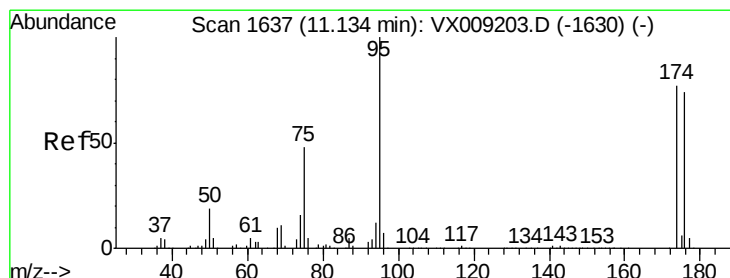
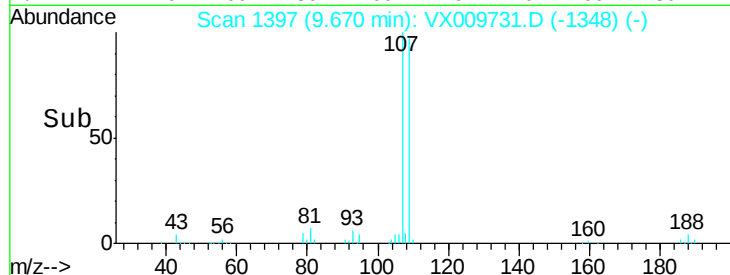
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.486 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

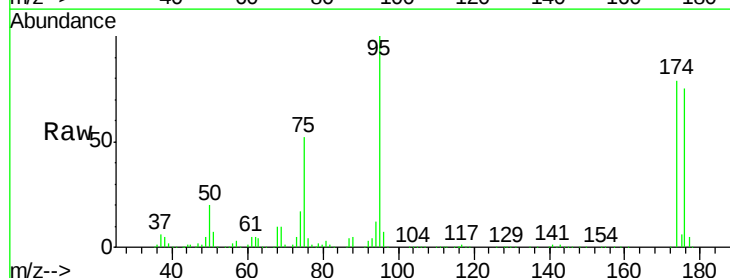
Tgt Ion: 95 Resp: 102470

Ion Ratio Lower Upper

95 100

174 82.0 0.0 161.6

176 79.3 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

80000

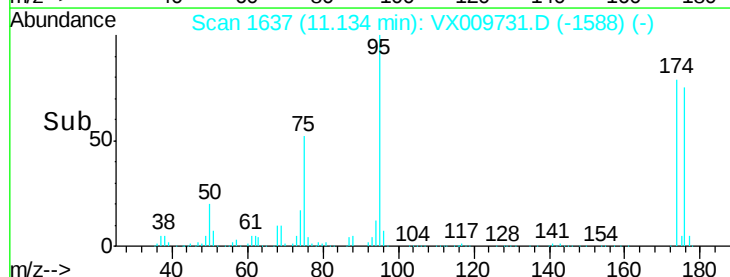
60000

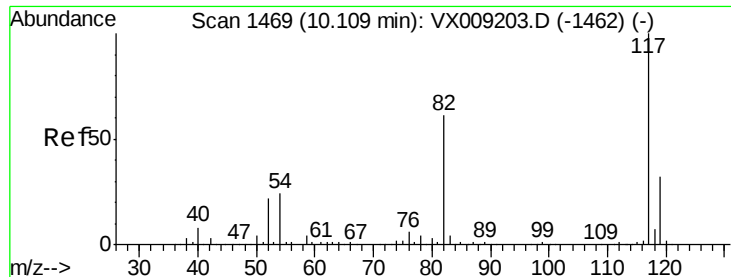
40000

20000

0

Time-->





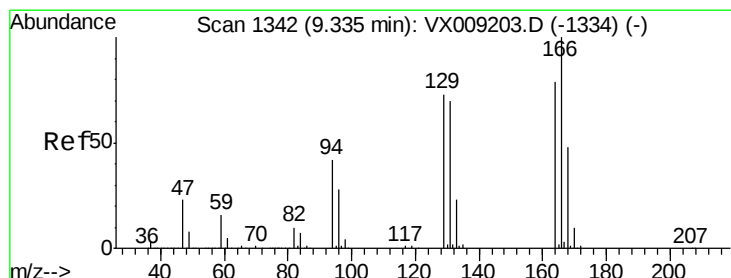
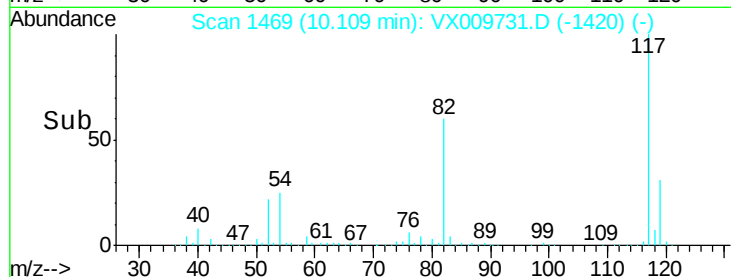
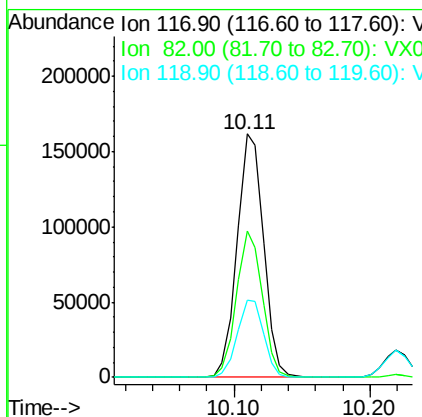
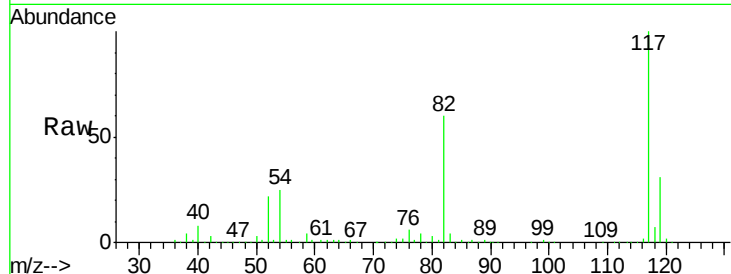
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	48.8	73.2
119	31.5	25.8	38.6

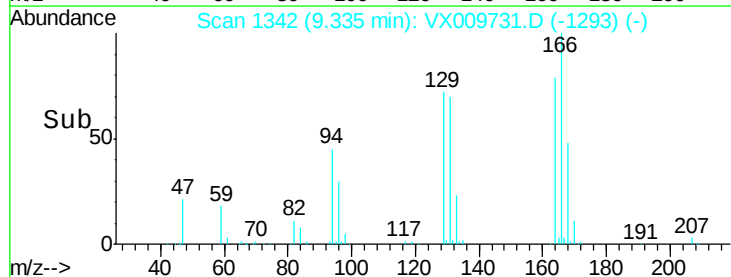
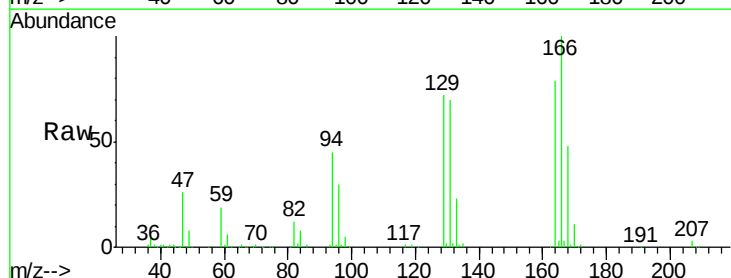
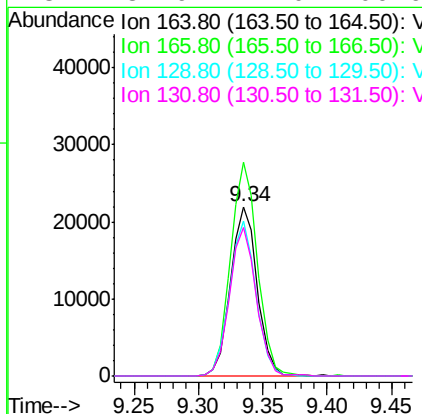
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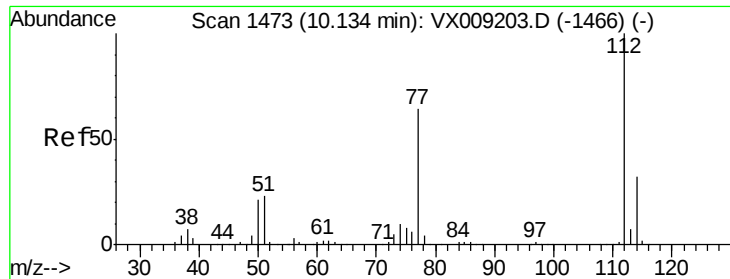
MMDadoda
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#64
Tetrachloroethene
Concen: 21.168 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.2	151.8
129	91.3	74.3	111.5
131	87.9	71.0	106.6





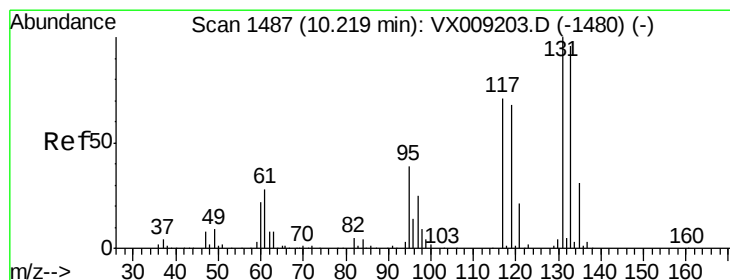
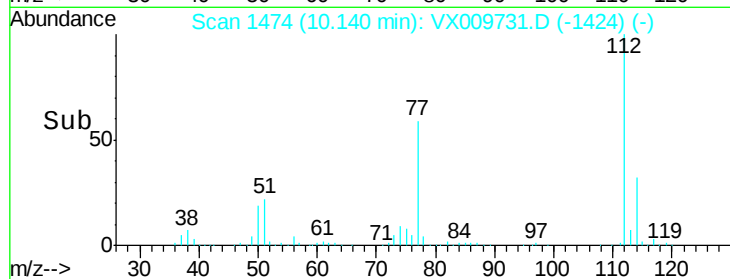
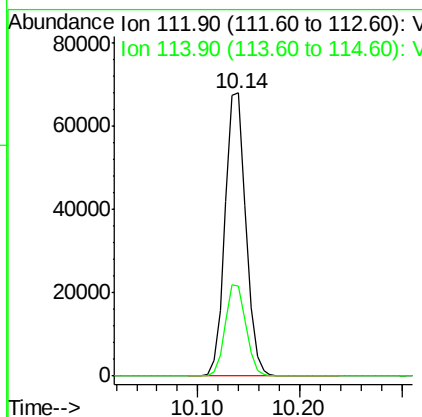
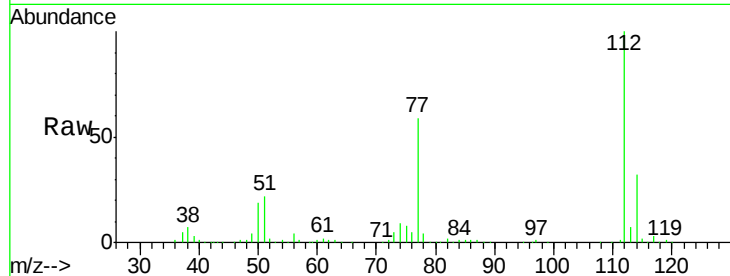
#65
Chlorobenzene
Concen: 21.962 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

Tot Ion:112 Resp: 96259
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

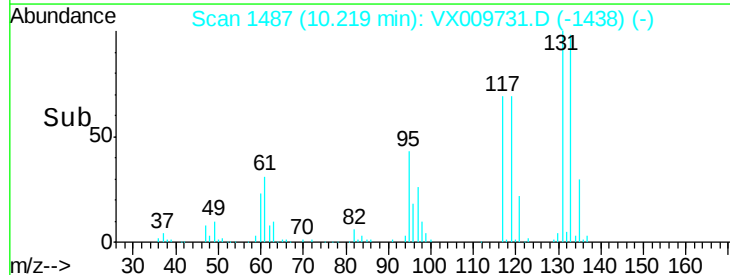
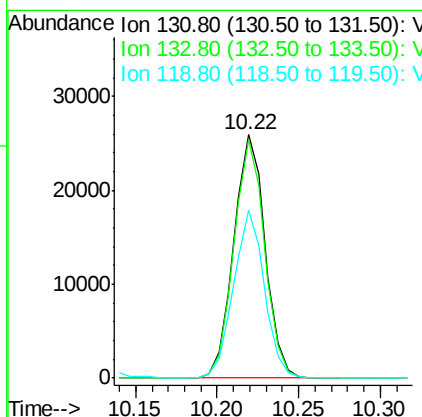
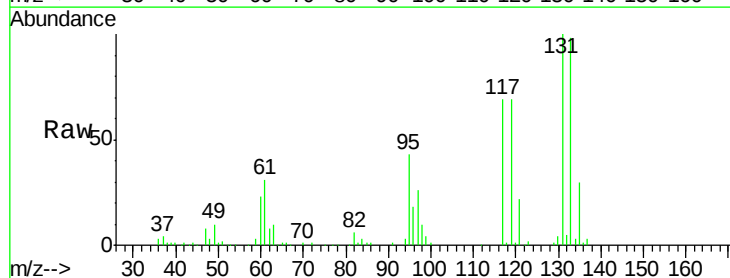
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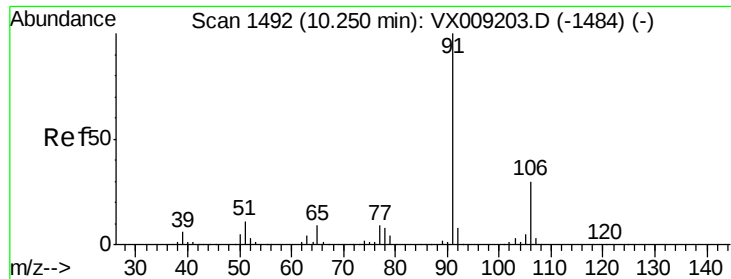
MMDadoda
5/21/2019 9:13:35 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.789 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion:131 Resp: 34623
Ion Ratio Lower Upper
131 100
133 96.3 47.7 143.1
119 68.0 33.5 100.4





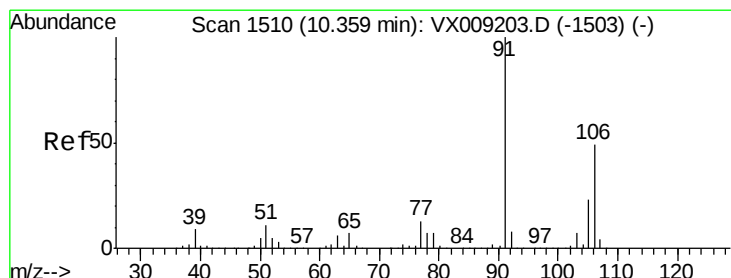
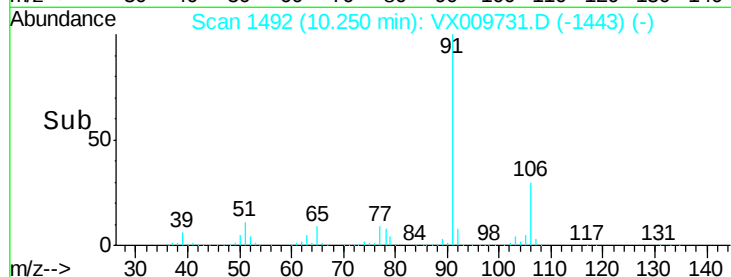
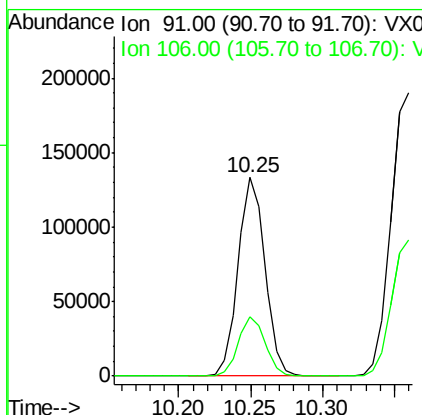
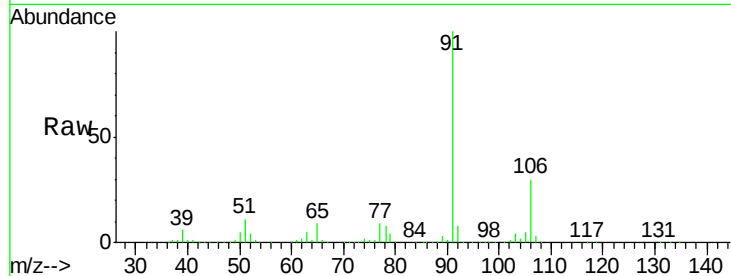
#67
Ethyl Benzene
Concen: 21.548 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

Tot Ion: 91 Resp: 173809
Ion Ratio Lower Upper
91 100
106 29.9 24.0 36.0

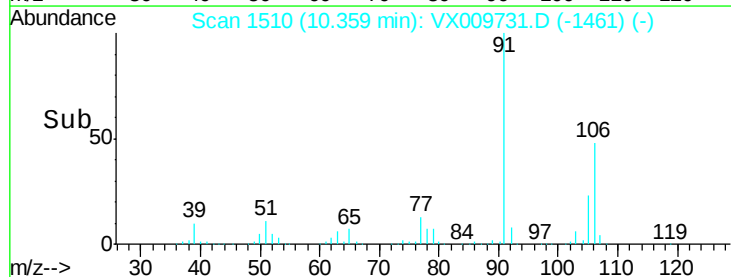
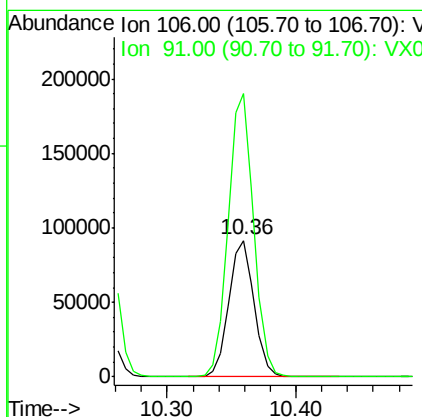
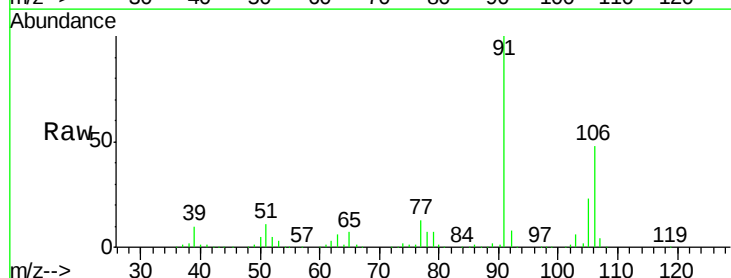
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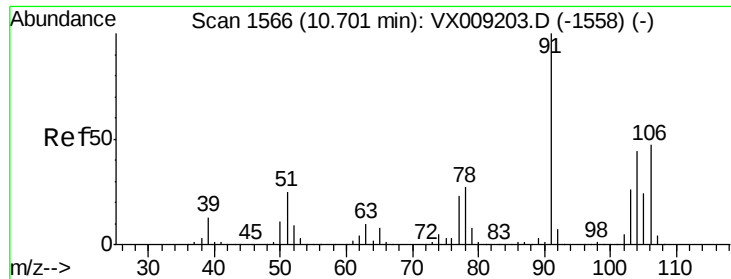
MMDadoda
5/21/2019 9:13:35 AM



#68
m/p-Xylenes
Concen: 42.609 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion: 106 Resp: 125596
Ion Ratio Lower Upper
106 100
91 209.1 164.0 246.0





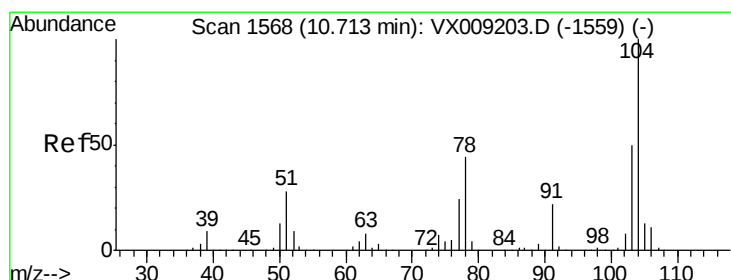
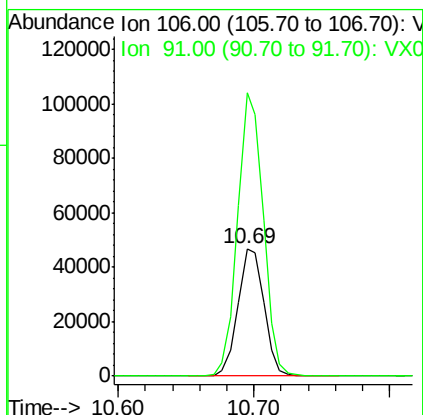
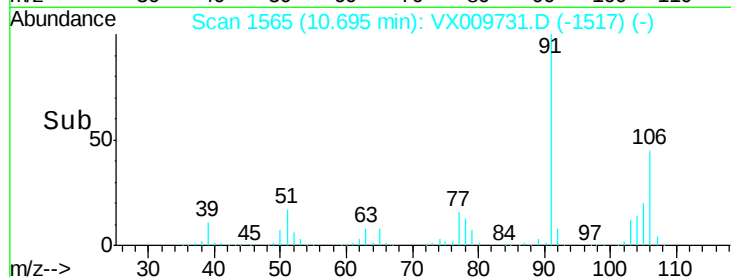
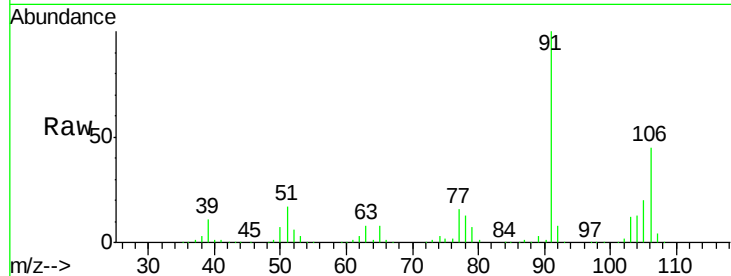
#69
o-Xylene
Concen: 21.486 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

Tot Ion:106 Resp: 62487
Ion Ratio Lower Upper
106 100
91 219.1 109.5 328.4

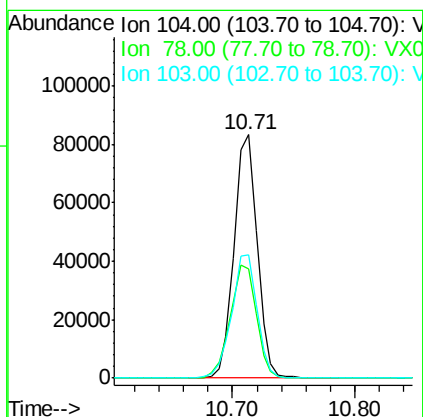
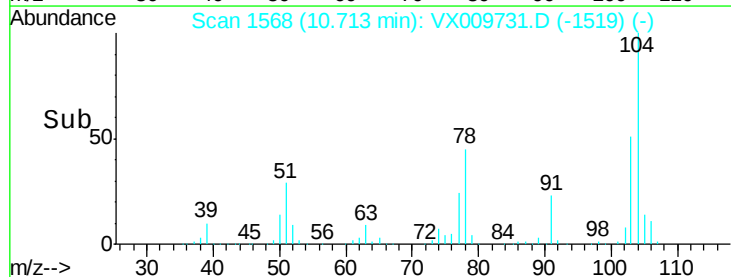
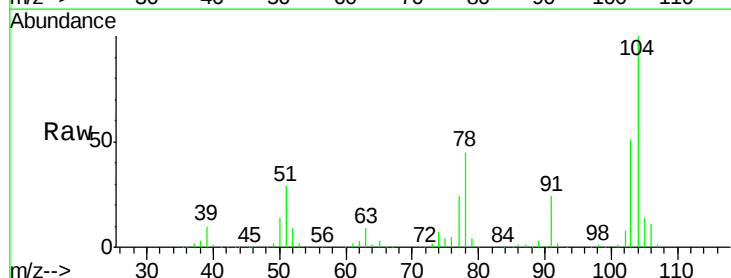
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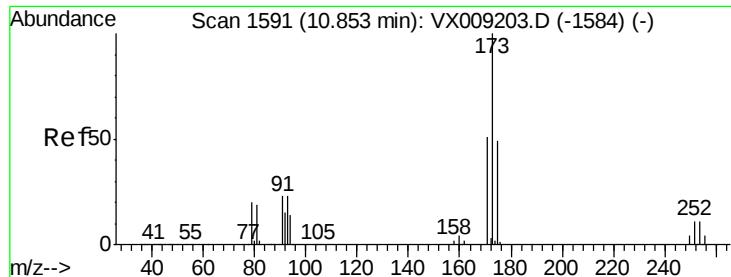
MMDadoda
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#70
Styrene
Concen: 21.559 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion:104 Resp: 108976
Ion Ratio Lower Upper
104 100
78 52.7 41.0 61.4
103 55.9 43.8 65.6





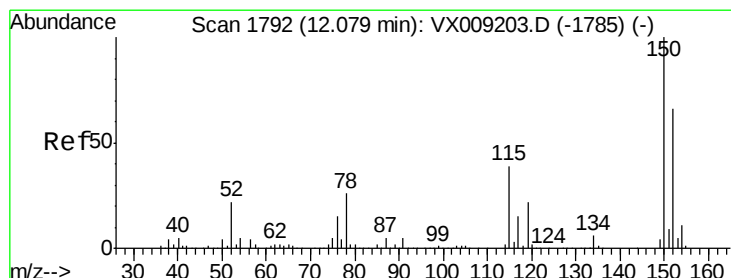
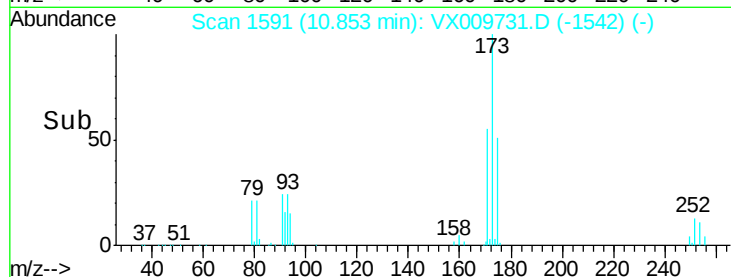
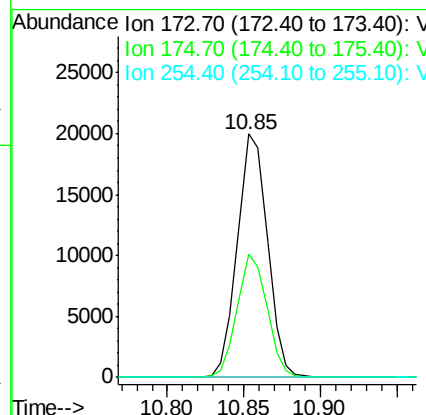
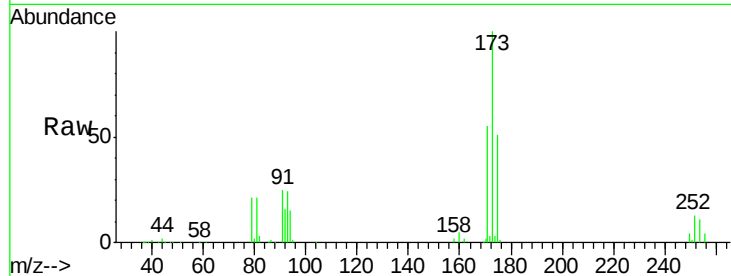
#71
Bromoform
Concen: 21.220 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.5	73.5
254	0.0	0.1	0.1#

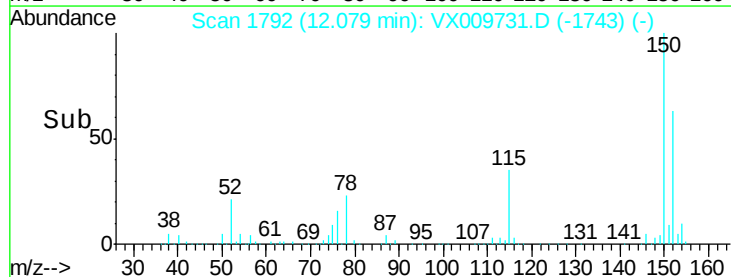
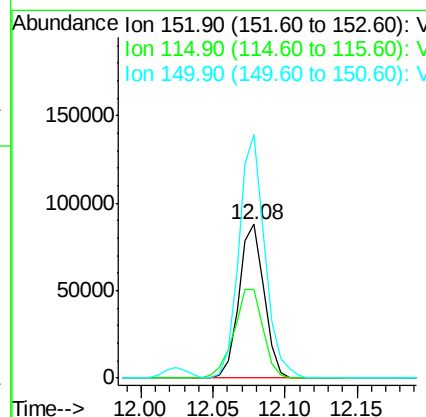
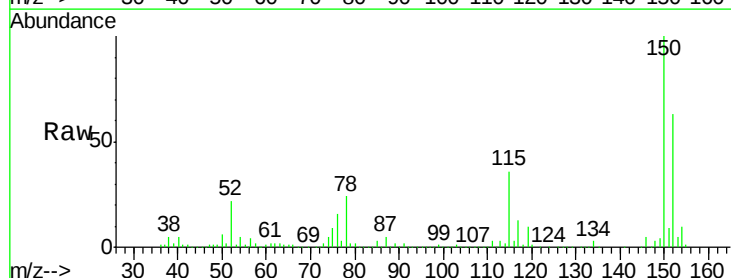
Manual Integrations
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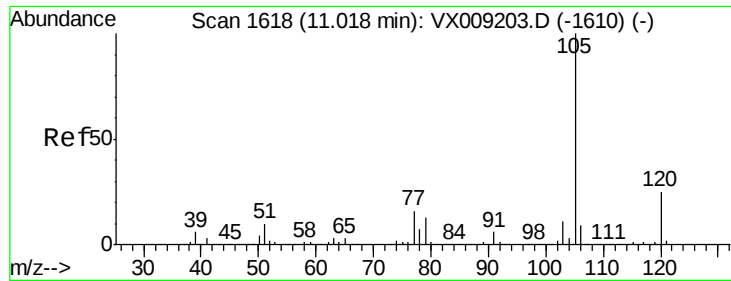
MMDadoda
5/21/2019 9:13:35 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.5	41.2	123.6
150	163.1	0.0	346.4





#73

Isopropylbenzene

Concen: 21.251 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

Tot Ion: 105 Resp: 165856

Ion Ratio Lower Upper

105 100

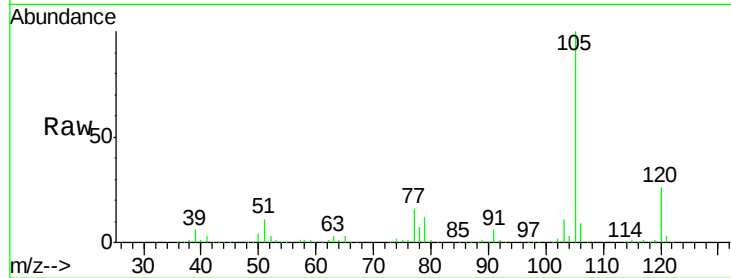
120 26.2 12.8 38.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

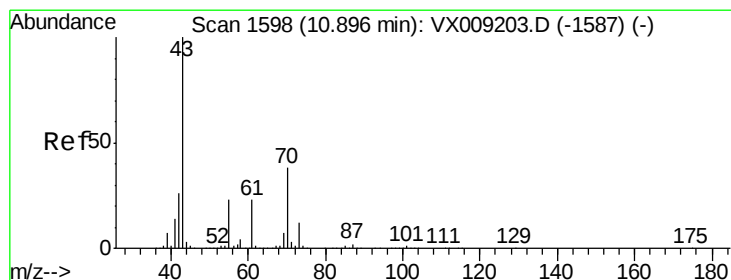
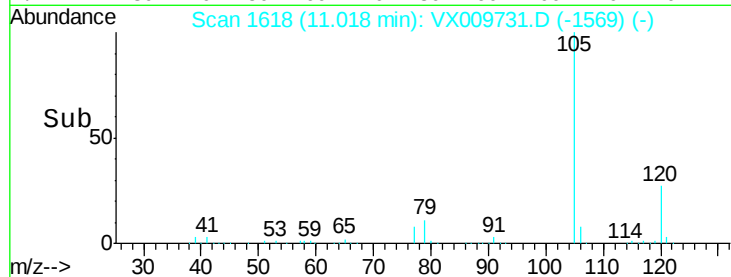
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 22.324 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Tgt Ion: 43 Resp: 101579

Ion Ratio Lower Upper

43 100

70 36.7 30.0 45.0

55 23.2 17.9 26.9

61 21.8 18.4 27.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

120000

100000

80000

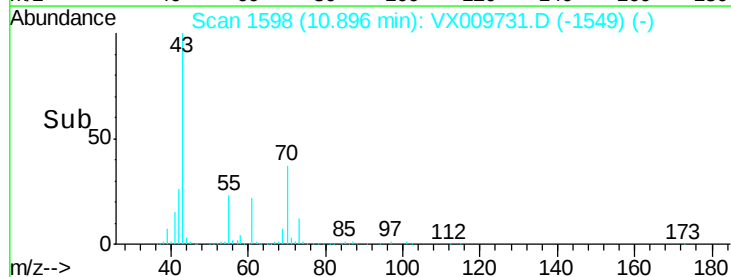
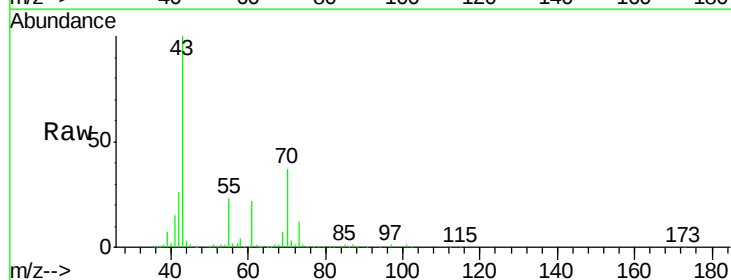
60000

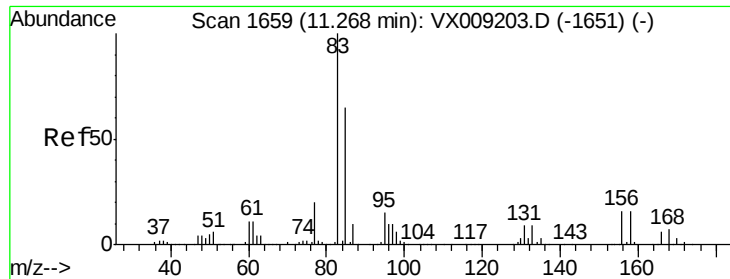
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.382 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

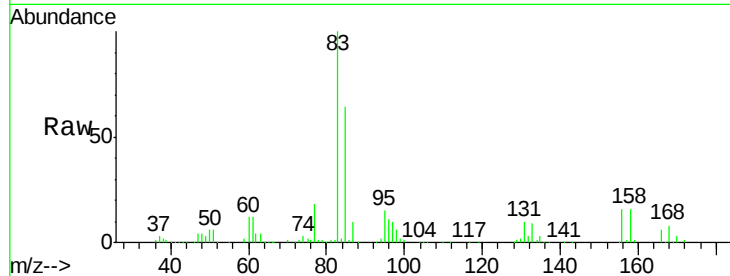
ClientSampleId :

VX0520WBSD01

Tot Ion:	83	Resp:	65118
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.6	13.8
85	64.3	32.0	96.2

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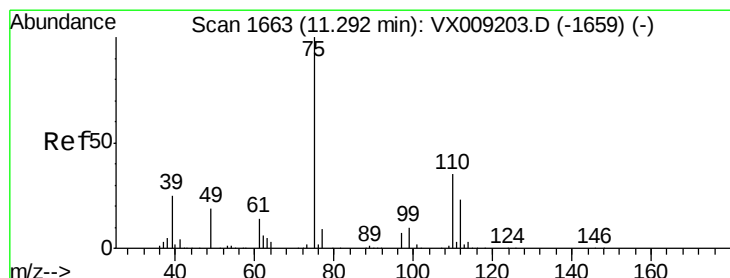
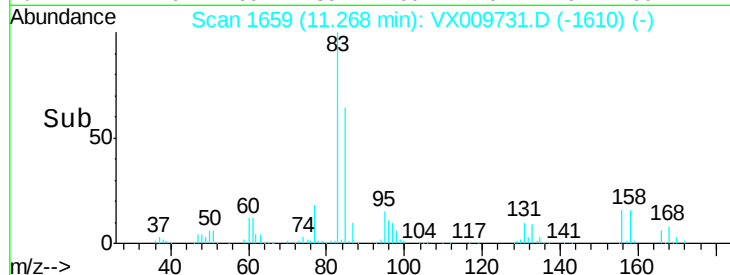
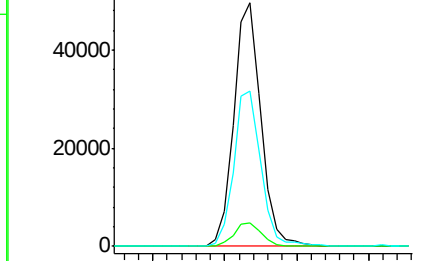
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5/21/2019 9:13:35 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.694 ug/l m

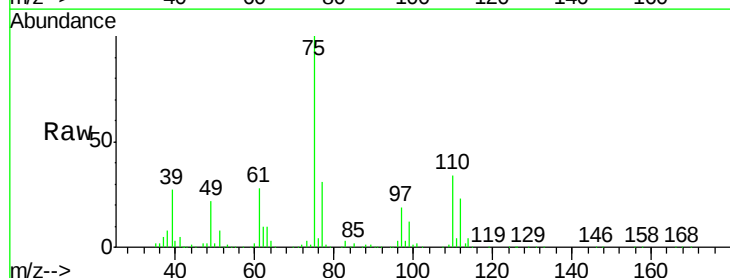
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009731.D

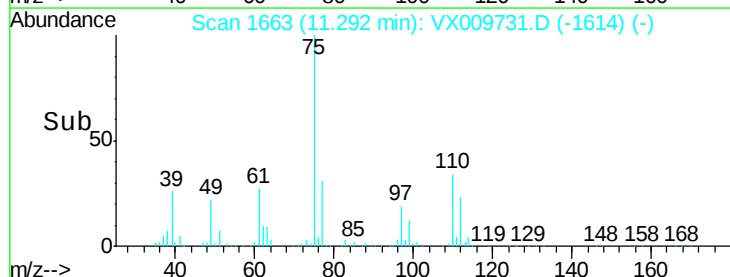
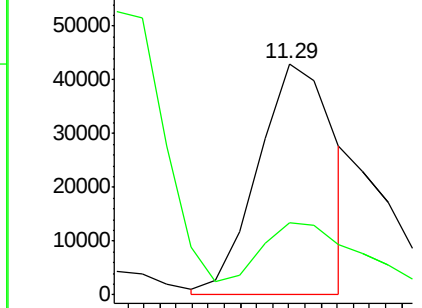
Acq: 20 May 2019 17:13

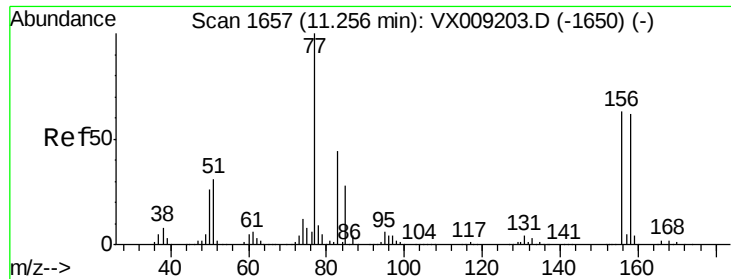
Tgt Ion:	75	Resp:	56498
Ion Ratio	Lower	Upper	
75	100		
77	43.4	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.752 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampled :

VX0520WBSD01

Tot Ion:156 Resp: 42137

Ion Ratio Lower Upper

156 100

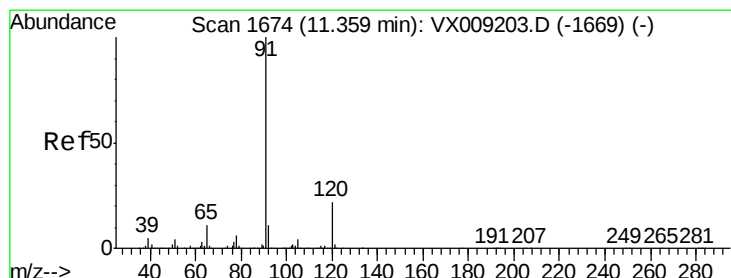
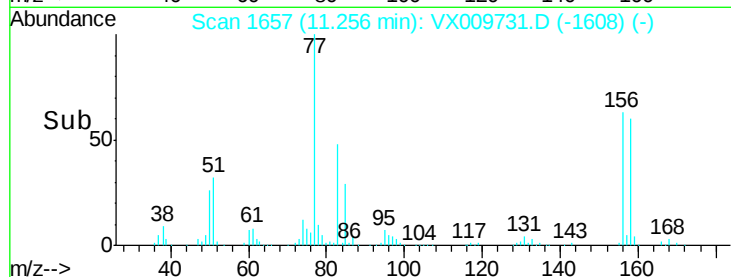
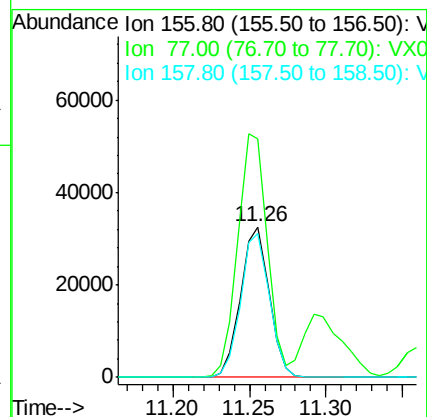
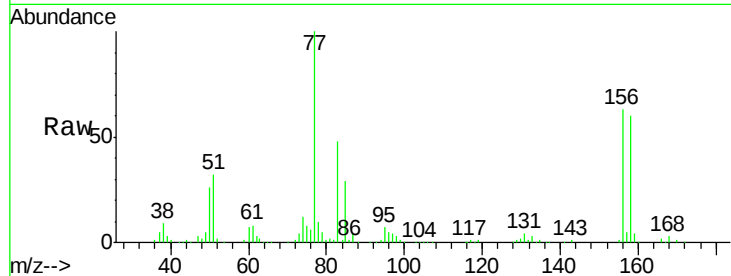
77 167.3 84.8 254.3

158 96.8 49.1 147.3

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#78

n-propylbenzene

Concen: 21.160 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009731.D

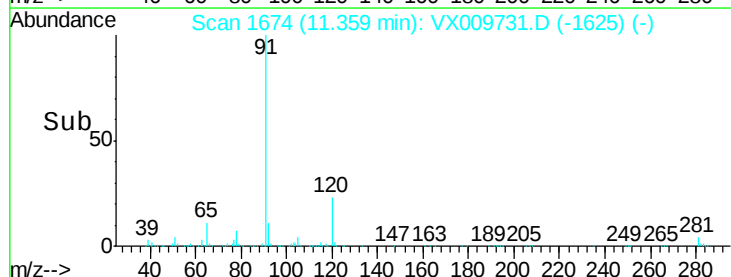
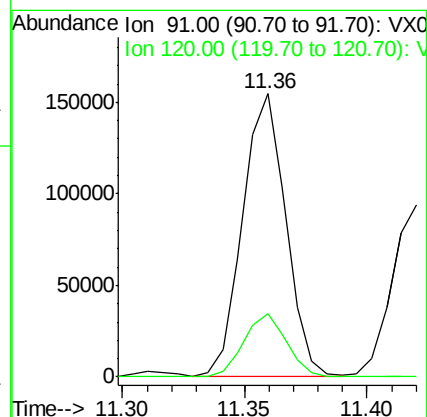
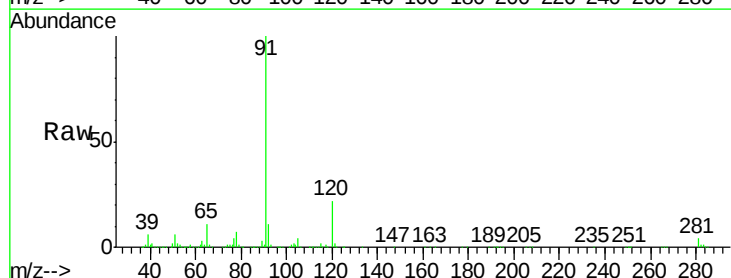
Acq: 20 May 2019 17:13

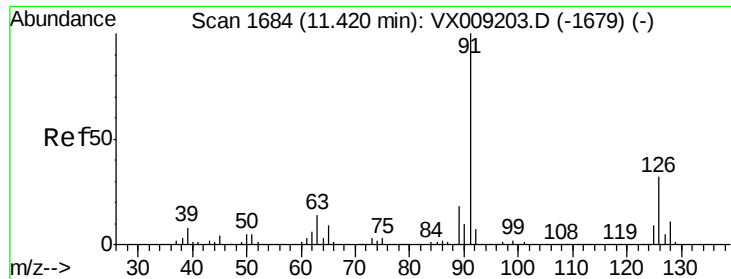
Tgt Ion: 91 Resp: 188601

Ion Ratio Lower Upper

91 100

120 22.2 11.0 33.0





#79

2-Chlorotoluene

Concen: 21.142 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampled :

VX0520WBSD01

Tot Ion: 91 Resp: 116261

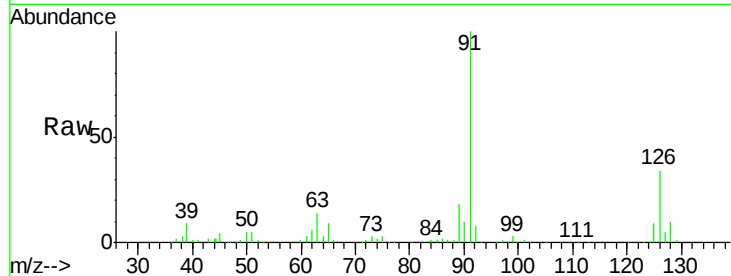
Ion Ratio Lower Upper

91 100

126 32.8 16.3 48.9

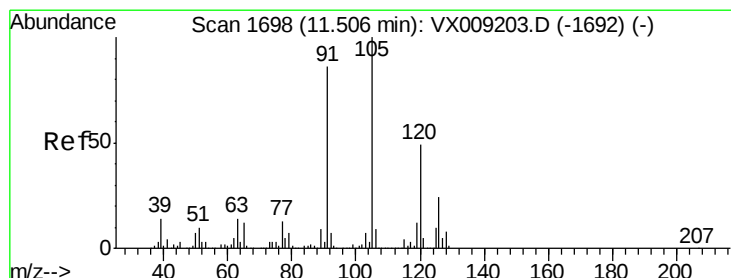
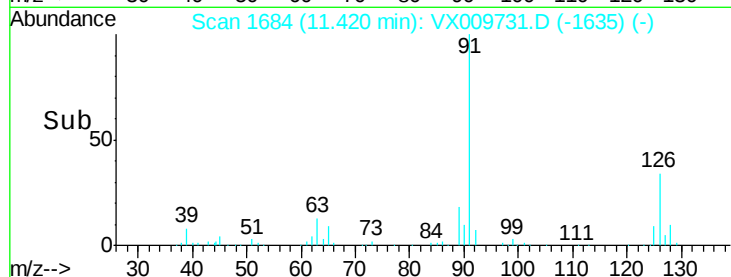
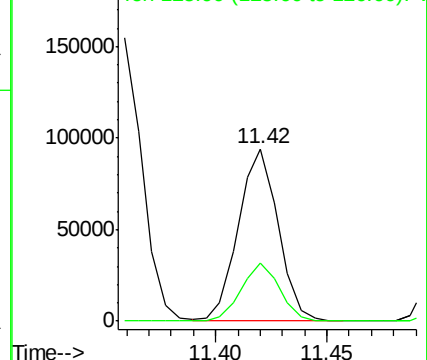
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.375 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009731.D

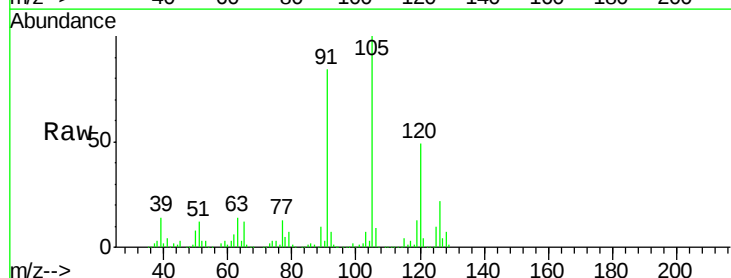
Acq: 20 May 2019 17:13

Tgt Ion:105 Resp: 140467

Ion Ratio Lower Upper

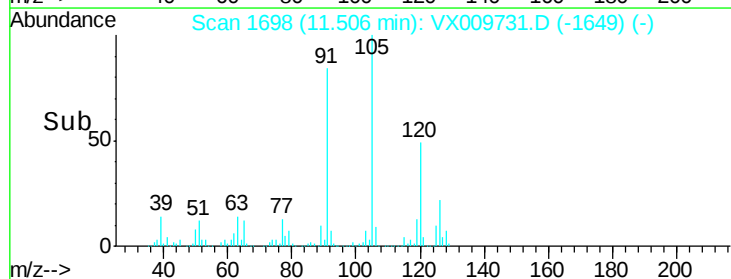
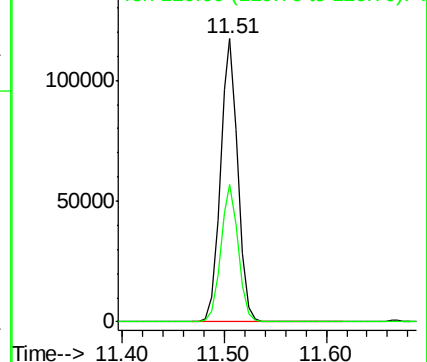
105 100

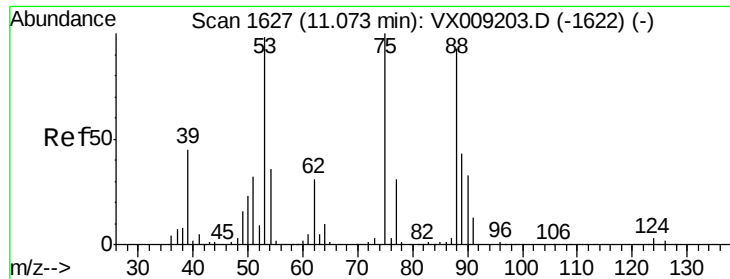
120 48.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





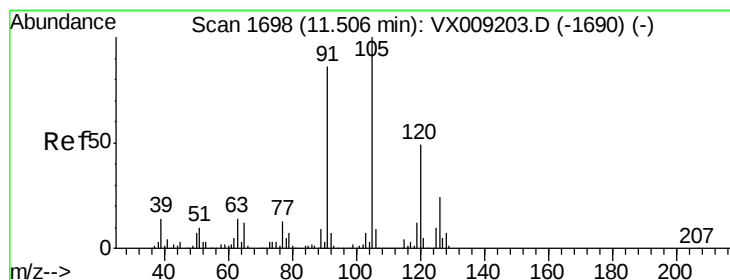
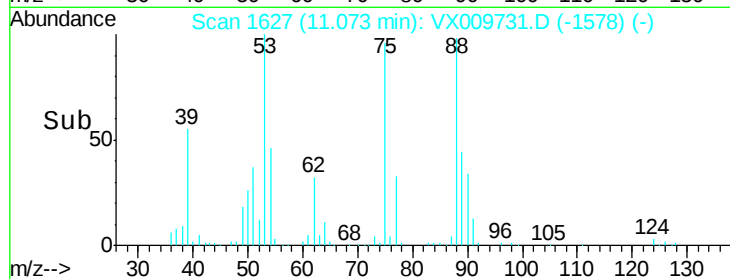
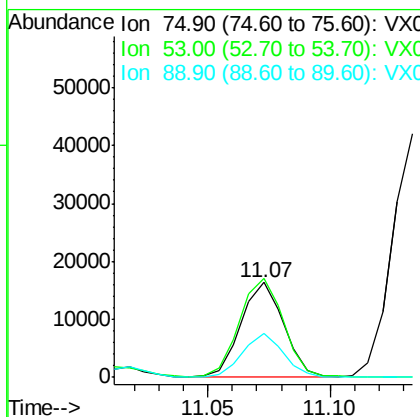
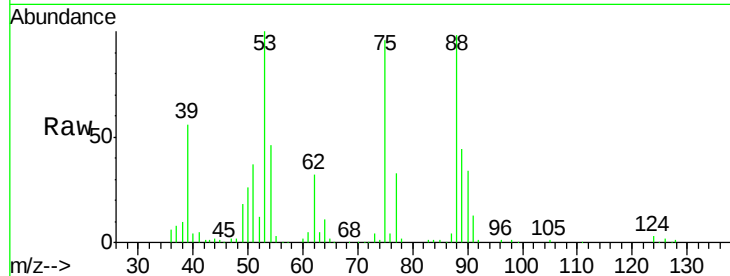
#81
trans-1,4-Dichloro-2-butene
Concen: 20.624 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.7	79.0	118.6
89	44.6	34.7	52.1

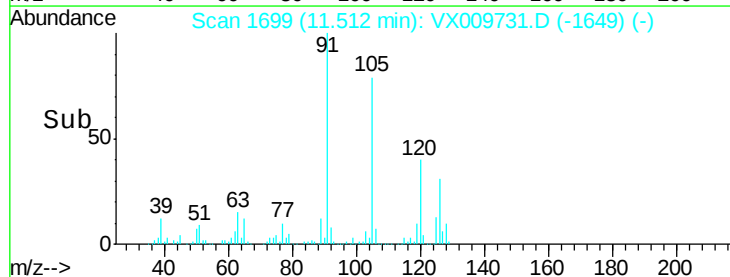
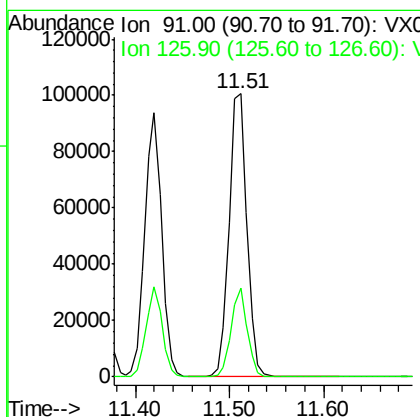
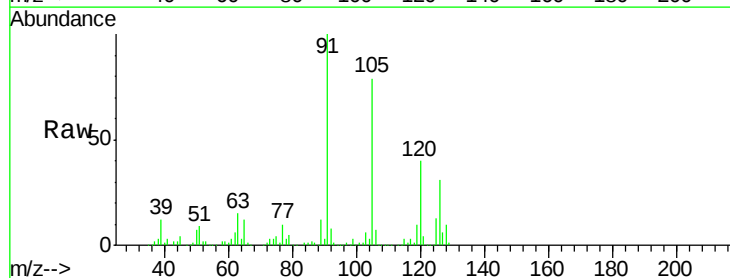
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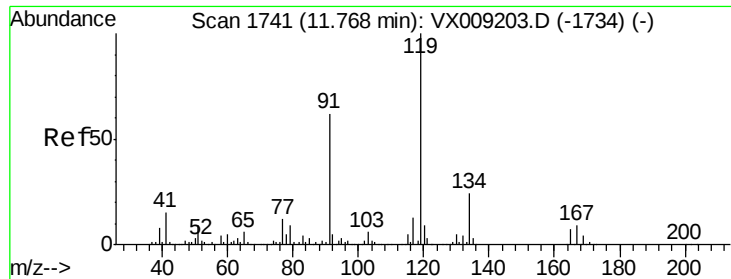
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#82
4-Chlorotoluene
Concen: 21.357 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.5	43.6





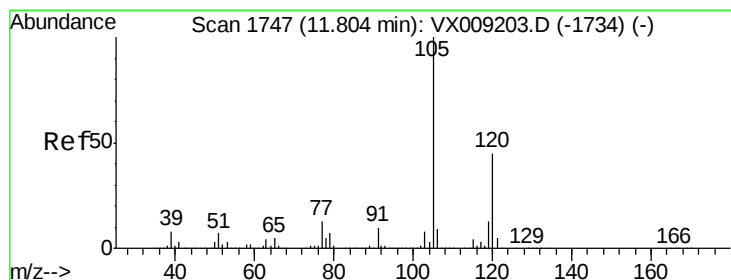
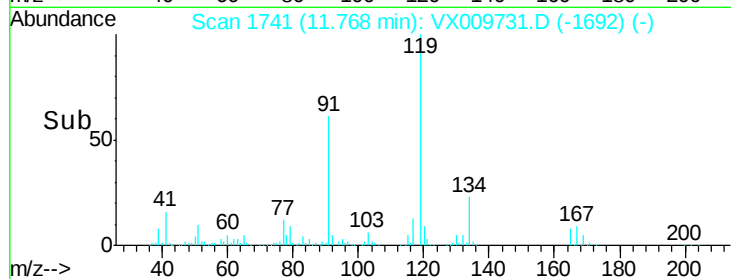
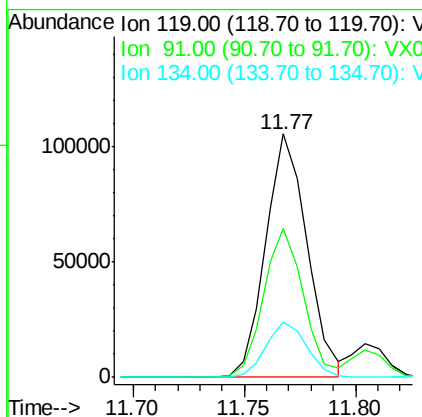
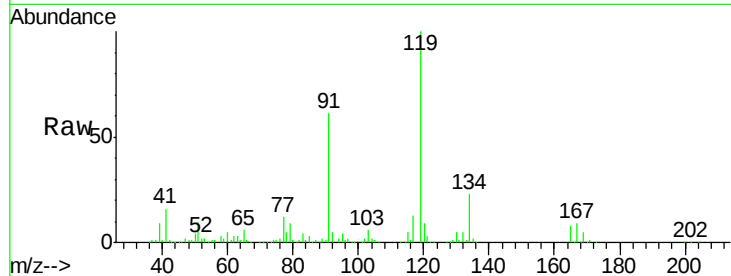
#83
tert-Butylbenzene
Concen: 21.284 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	136065		
91	59.2	29.5	88.5	
134	22.3	11.4	34.1	

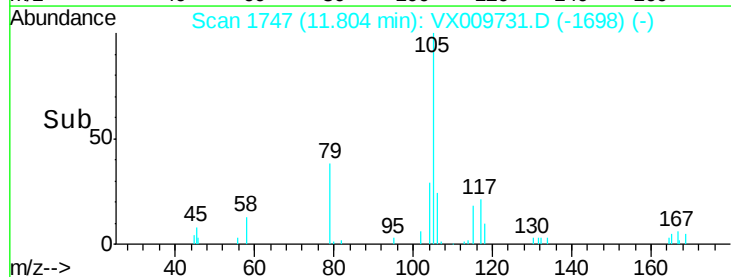
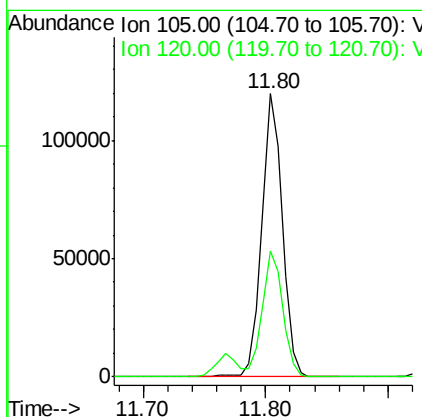
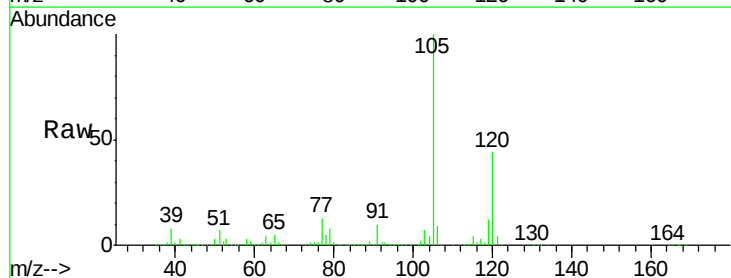
Manual Integrations
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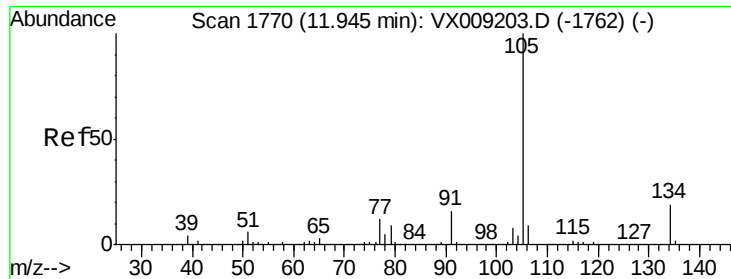
MMDadoda
5/21/2019 9:13:35 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.571 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	142287		
120	43.7	22.0	66.0	





#85

sec-Butylbenzene

Concen: 21.283 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

Tot Ion:105 Resp: 161302

Ion Ratio Lower Upper

105 100

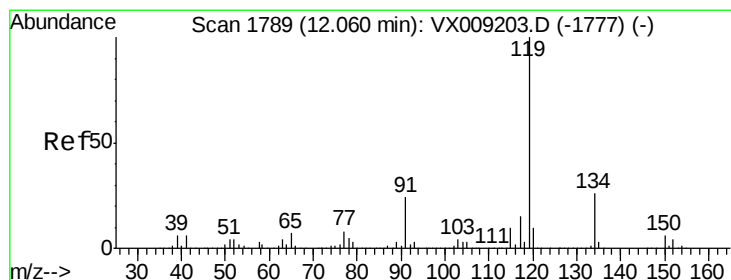
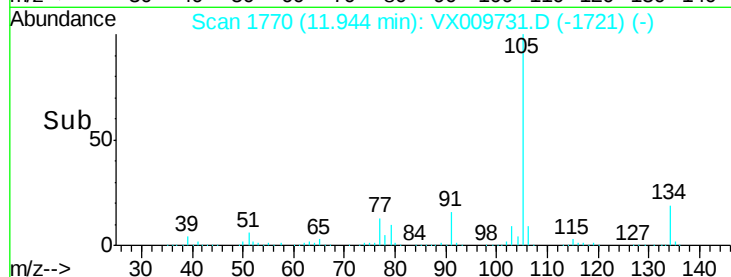
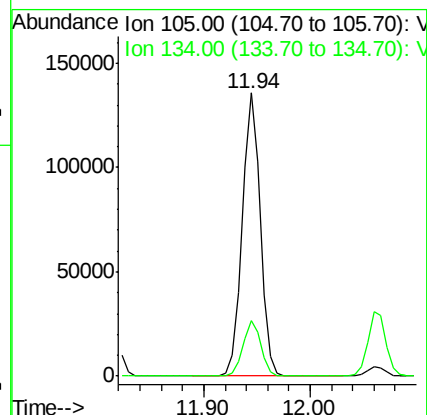
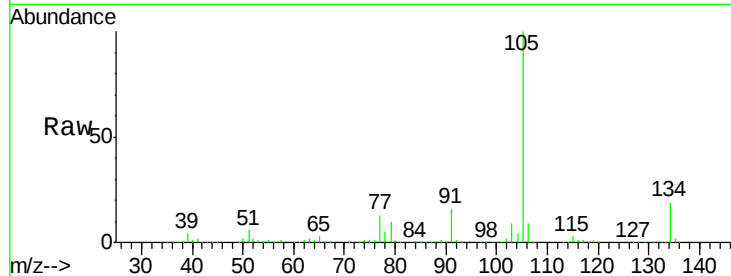
134 19.3 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 21.141 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

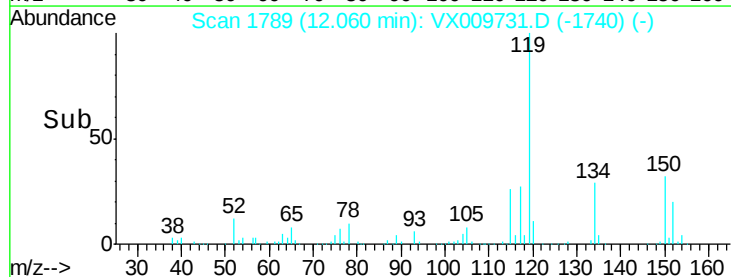
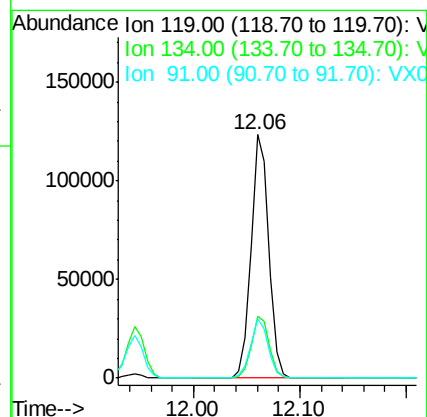
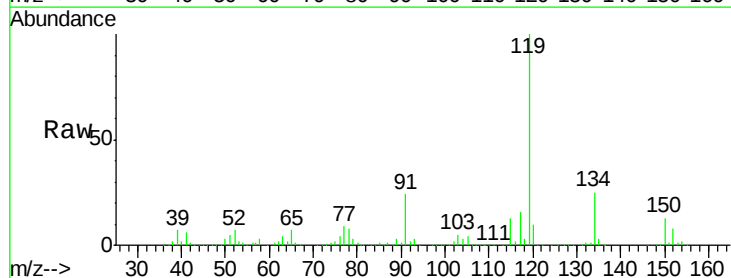
Tgt Ion:119 Resp: 144043

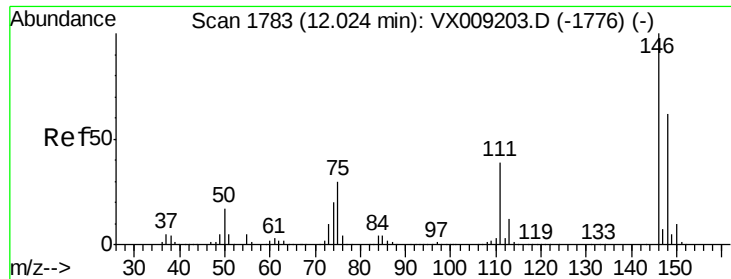
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 24.1 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 21.235 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

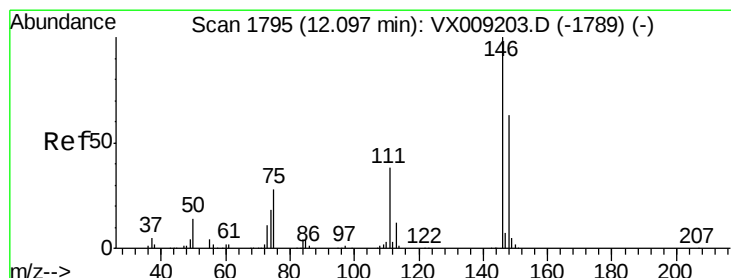
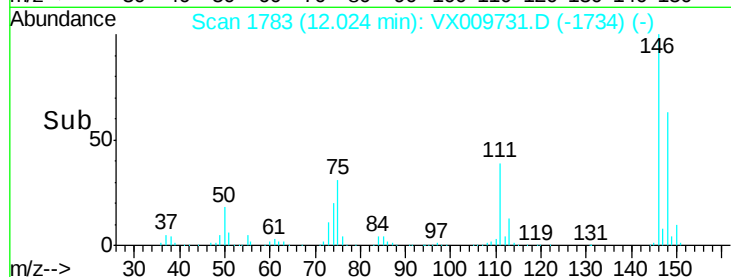
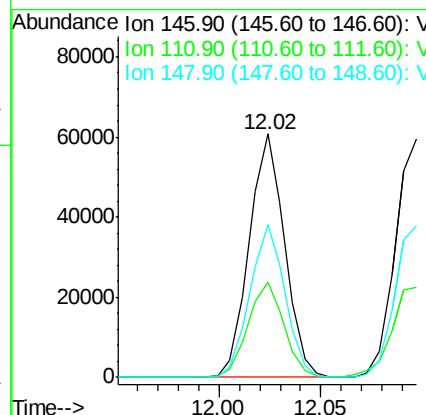
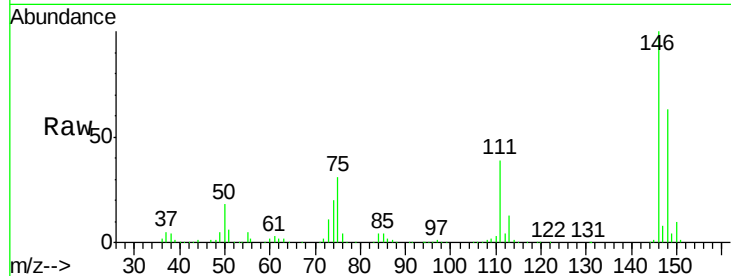
ClientSampleId :

VX0520WBSD01

Tot Ion:146	Resp:	73330
Ion Ratio	Lower	Upper
146 100		
111 39.6	20.0	59.9
148 62.6	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.918 ug/l

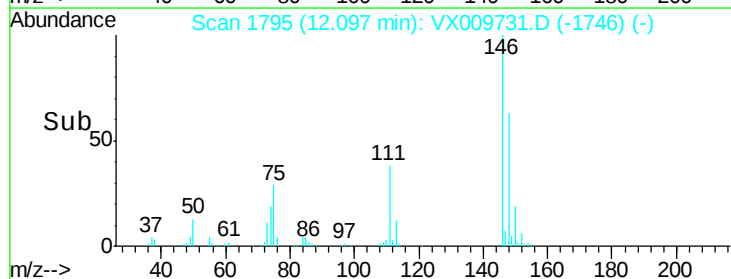
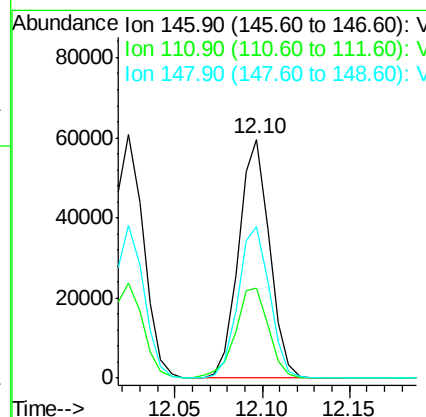
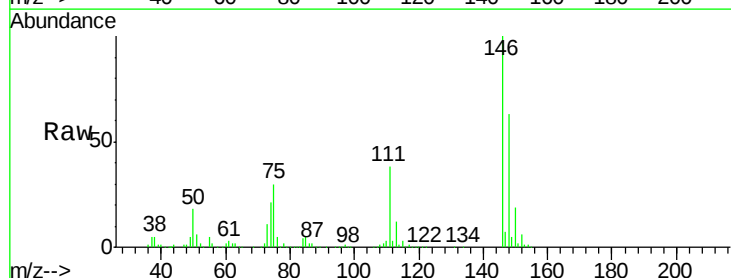
RT: 12.10 min Scan# 1795

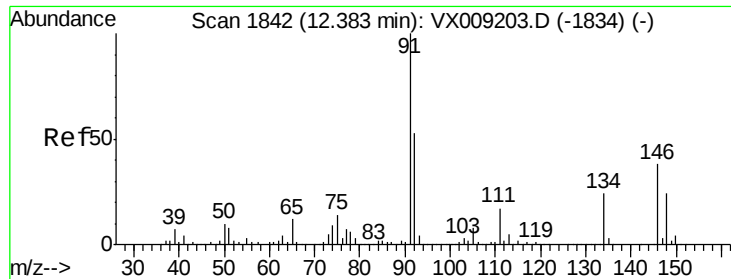
Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Tgt Ion:146	Resp:	72828
Ion Ratio	Lower	Upper
146 100		
111 40.9	19.6	58.8
148 65.2	31.8	95.3





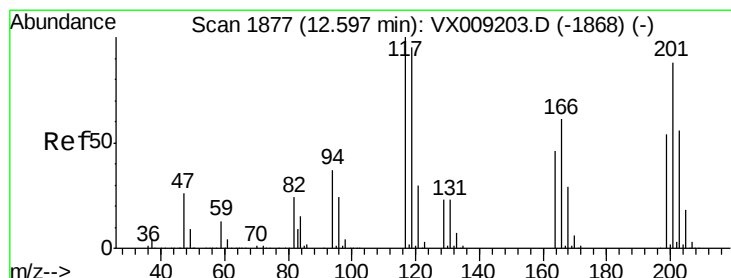
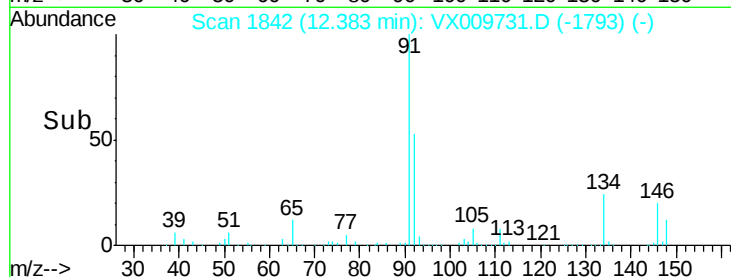
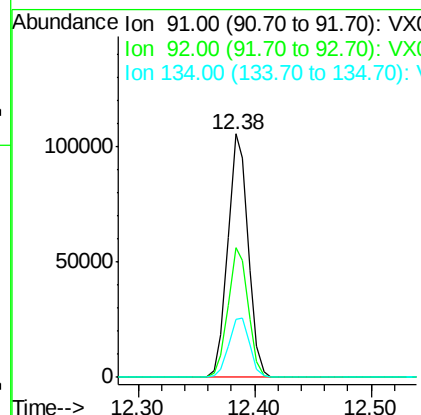
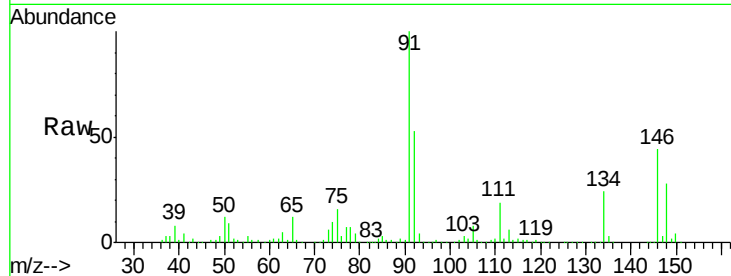
#89
n-Butylbenzene
Concen: 20.644 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	25.3	12.4	37.2

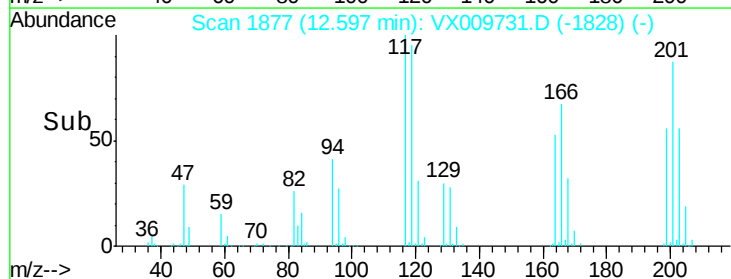
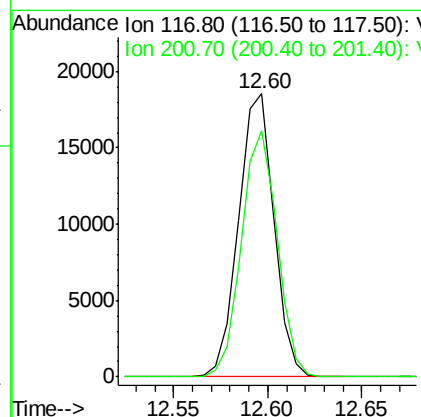
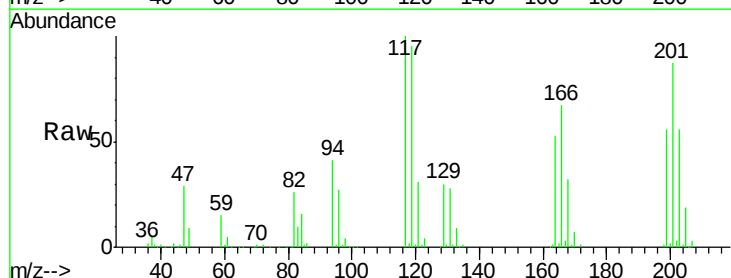
Manual Integrations
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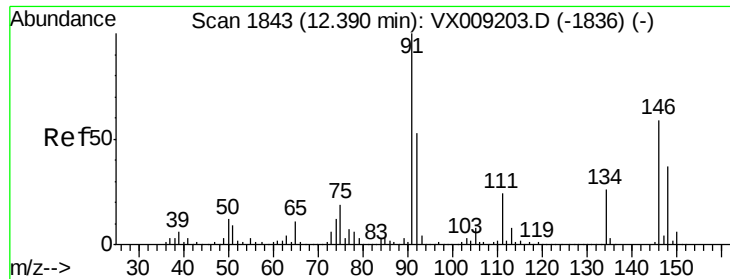
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#90
Hexachloroethane
Concen: 20.815 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.4	42.3	126.9





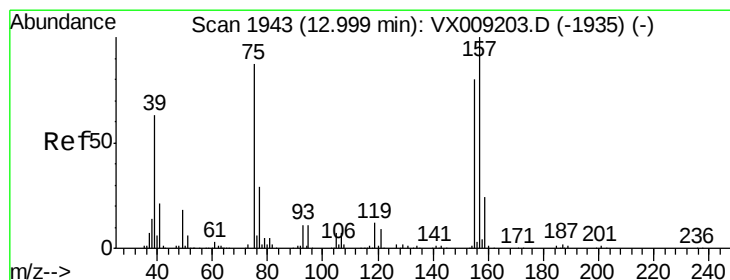
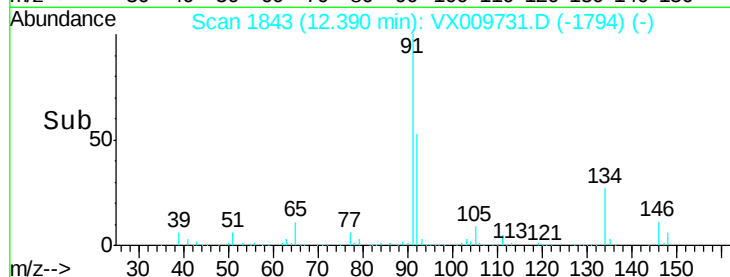
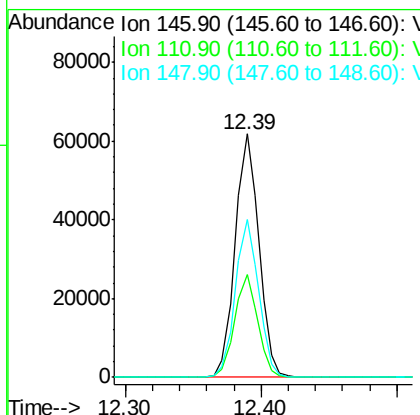
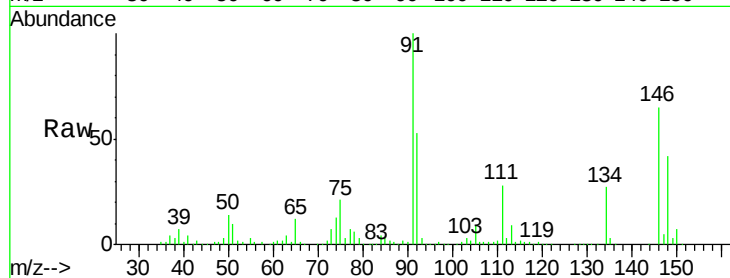
#91
 1,2-Dichlorobenzene
 Concen: 21.276 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.4
148	63.9	31.9	95.9

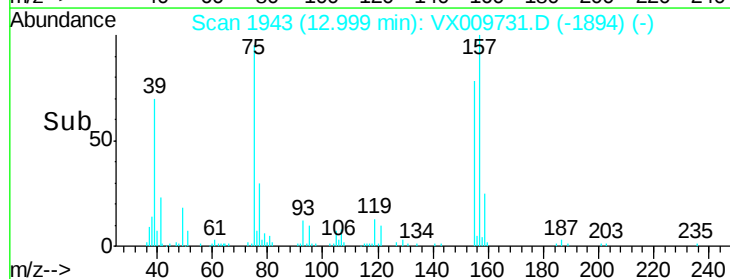
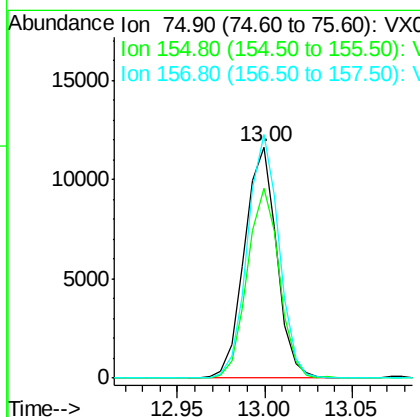
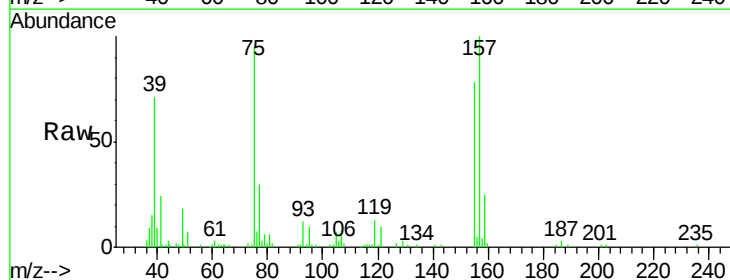
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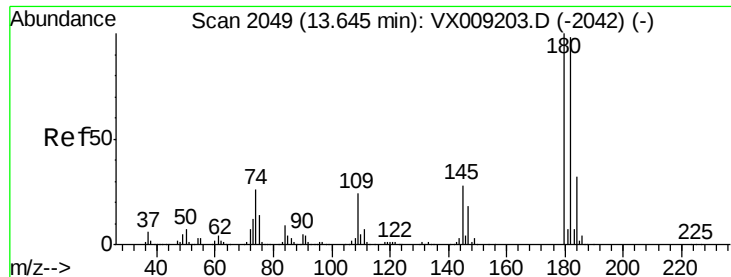
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.774 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	42.0	126.0
157	103.0	53.2	159.6





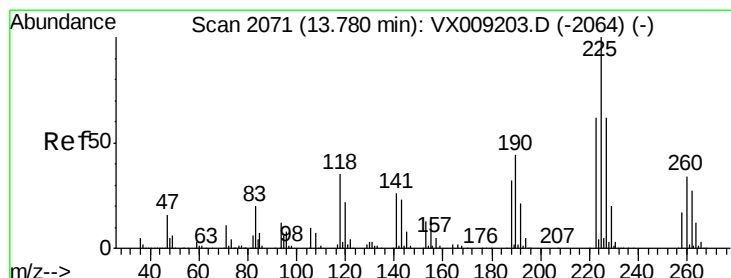
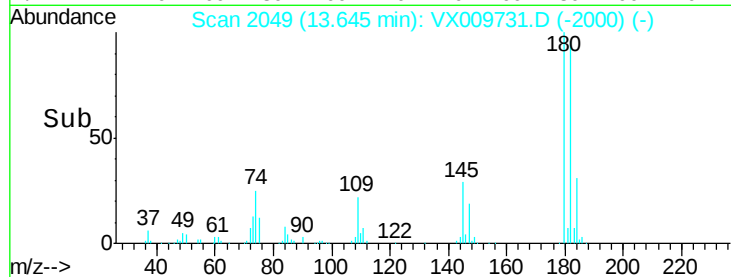
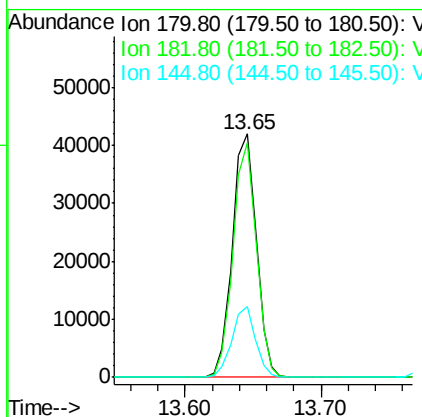
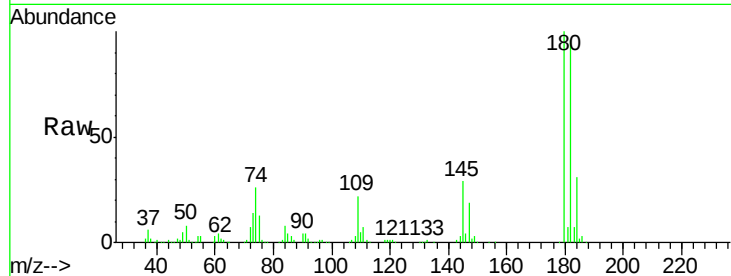
#93
 1,2,4-Trichlorobenzene
 Concen: 21.575 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.4	145.2
145	28.4	14.6	43.8

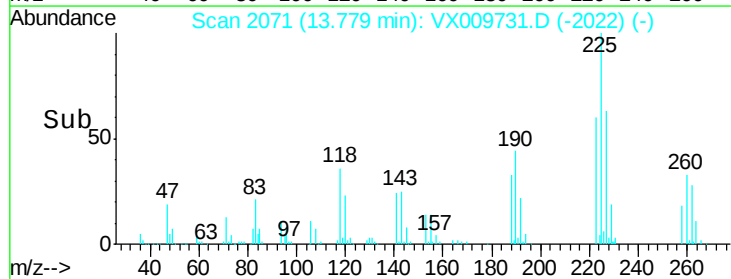
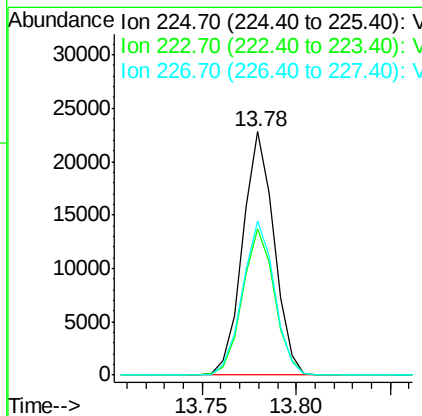
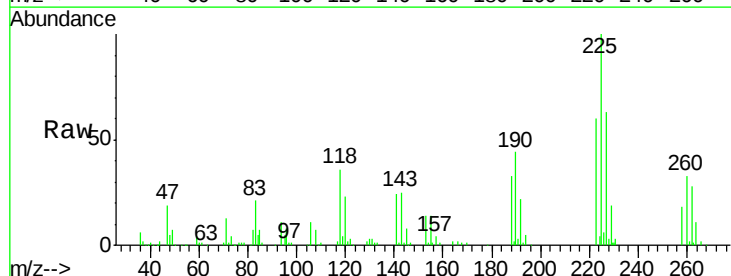
Manual Integrations
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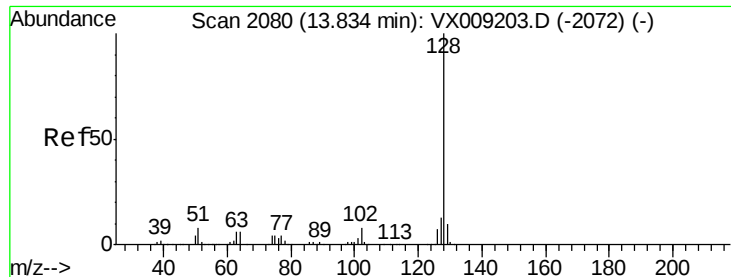
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#94
 Hexachlorobutadiene
 Concen: 21.432 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.3	93.8
227	64.3	31.8	95.3





#95

Naphthalene

Concen: 21.664 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

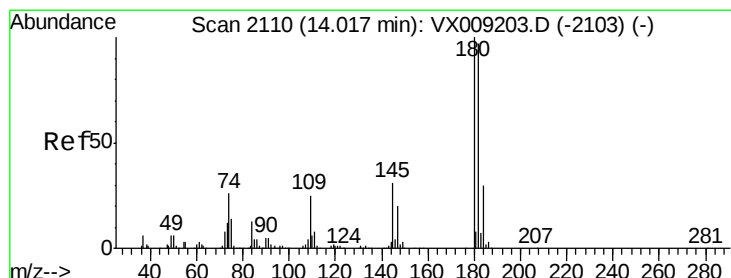
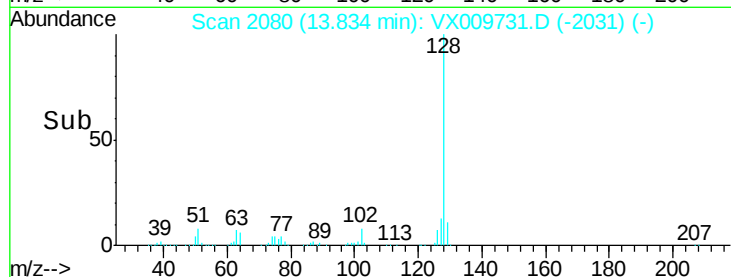
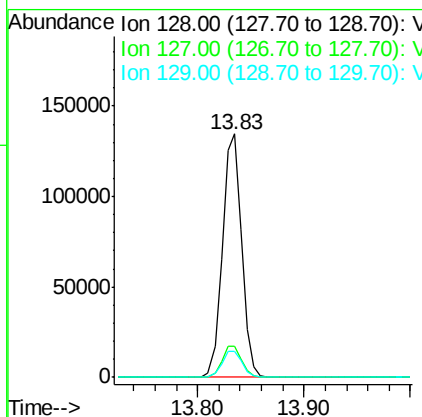
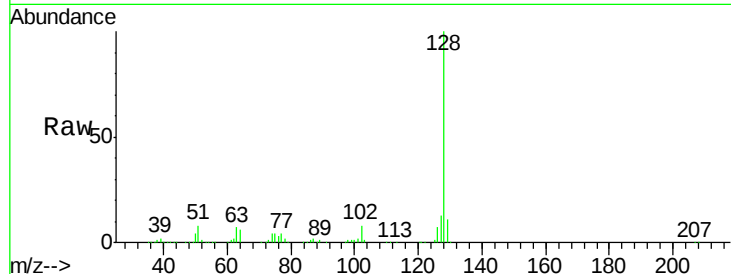
ClientSampled :

VX0520WBSD01

Tot Ion:	128	Resp:	169533
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 21.362 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Tgt Ion:	180	Resp:	52083
Ion Ratio	Lower	Upper	
180	100		
182	97.8	47.8	143.4
145	30.8	15.4	46.4

