

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082019\
 Data File : VX011681.D
 Acq On : 20 Aug 2019 13:51
 Operator : JC/SP
 Sample : VX0820WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 8:33:14 AM

Quant Time: Aug 20 23:50:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	354145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	485358	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	441750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	237643	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	154629	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
35) Dibromofluoromethane	5.49	113	140391	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	
50) Toluene-d8	8.71	98	467184	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
62) 4-Bromofluorobenzene	11.13	95	192646	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	76610	22.008	ug/l	99
3) Chloromethane	1.32	50	64316	17.789	ug/l	98
4) Vinyl Chloride	1.40	62	62804	19.229	ug/l	100
5) Bromomethane	1.63	94	41699	28.494	ug/l	100
6) Chloroethane	1.71	64	35356	22.873	ug/l	99
7) Trichlorofluoromethane	1.92	101	97251	21.498	ug/l	99
8) Diethyl Ether	2.18	74	33424	21.539	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	61104	19.556	ug/l	98
10) Methyl Iodide	2.50	142	72621	16.315	ug/l	99
11) Tert butyl alcohol	3.04	59	76731	95.233	ug/l	99
12) 1,1-Dichloroethene	2.37	96	58314	19.312	ug/l	95
13) Acrolein	2.29	56	29325	124.705	ug/l	97
14) Allyl chloride	2.72	41	93594	18.633	ug/l	97
15) Acrylonitrile	3.14	53	185289	100.480	ug/l	100
16) Acetone	2.43	43	157706	95.500	ug/l	98
17) Carbon Disulfide	2.56	76	116313	16.347	ug/l	99
18) Methyl Acetate	2.76	43	105962	20.690	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	208967	21.248	ug/l	99
20) Methylene Chloride	2.85	84	68693	19.812	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	62924	19.664	ug/l	98
22) Diisopropyl ether	3.85	45	208124	20.805	ug/l	99
23) Vinyl Acetate	3.81	43	794326	100.274	ug/l	100
24) 1,1-Dichloroethane	3.69	63	114961	20.326	ug/l	97
25) 2-Butanone	4.67	43	251117	96.862	ug/l	99
26) 2,2-Dichloropropane	4.58	77	79477	18.670	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	76804	20.589	ug/l	97
28) Bromochloromethane	5.01	49	44987	18.119	ug/l	99
29) Tetrahydrofuran	5.12	42	164857	96.940	ug/l	98
30) Chloroform	5.21	83	121516	20.358	ug/l	99
31) Cyclohexane	5.57	56	99035	20.337	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	103551	20.176	ug/l	100
36) 1,1-Dichloropropene	5.80	75	85732	20.660	ug/l	99
37) Ethyl Acetate	4.82	43	93047	19.495	ug/l	99
38) Carbon Tetrachloride	5.77	117	86504	18.921	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	98440	19.209	ug/l	98
40) Benzene	6.13	78	264996	20.549	ug/l	100
41) Methacrylonitrile	5.03	41	55206	21.016	ug/l	99
42) 1,2-Dichloroethane	6.18	62	94462	21.142	ug/l	98
43) Isopropyl Acetate	6.44	43	148032	19.873	ug/l	99
44) Trichloroethene	7.21	130	76627	20.030	ug/l	94
45) 1,2-Dichloropropane	7.51	63	65503	20.367	ug/l	99
46) Dibromomethane	7.66	93	44344	18.974	ug/l	97
47) Bromodichloromethane	7.90	83	77190	17.988	ug/l	96
48) Methyl methacrylate	7.76	41	71189	19.299	ug/l	94
49) 1,4-Dioxane	7.74	88	35120	357.956	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	488304	100.153	ug/l	99
52) Toluene	8.78	92	170792	20.789	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	83311	18.707	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	92007	18.878	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	71825	20.558	ug/l	97
56) Ethyl methacrylate	9.18	69	103883	20.458	ug/l	99
57) 1,3-Dichloropropane	9.37	76	113153	20.375	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.30	63	249078	98.444	ug/l	99
59) 2-Hexanone	9.49	43	376568	100.156	ug/l	99
60) Dibromochloromethane	9.58	129	65113	17.888	ug/l	97
61) 1,2-Dibromoethane	9.67	107	75495	20.247	ug/l	100
64) Tetrachloroethene	9.34	164	77367	21.346	ug/l	98
65) Chlorobenzene	10.13	112	192294	20.409	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	69644	19.776	ug/l	98
67) Ethyl Benzene	10.25	91	327250	20.811	ug/l	100
68) m/p-Xylenes	10.35	106	253721	42.035	ug/l	97
69) o-Xylene	10.69	106	122693	20.752	ug/l	99
70) Styrene	10.71	104	205866	20.684	ug/l	99
71) Bromoform	10.85	173	48499	16.530	ug/l #	100
73) Isopropylbenzene	11.02	105	333179	21.606	ug/l	100
74) N-amyl acetate	10.90	43	127999	19.533	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	105762	19.938	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	92063m	20.430	ug/l	
77) Bromobenzene	11.25	156	95789	20.879	ug/l	100
78) n-propylbenzene	11.36	91	360235	21.665	ug/l	100
79) 2-Chlorotoluene	11.42	91	218799	21.429	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	282256	21.790	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	24598	17.946	ug/l	88
82) 4-Chlorotoluene	11.51	91	252710	21.334	ug/l	100
83) tert-Butylbenzene	11.77	119	282079	21.381	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	283371	21.790	ug/l	100
85) sec-Butylbenzene	11.94	105	323095	21.706	ug/l	100
86) p-Isopropyltoluene	12.06	119	306482	21.887	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	164874	20.908	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	164009	20.520	ug/l	99
89) n-Butylbenzene	12.38	91	246248	21.390	ug/l	99
90) Hexachloroethane	12.59	117	39989	18.084	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	166956	21.091	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21296	17.548	ug/l	95

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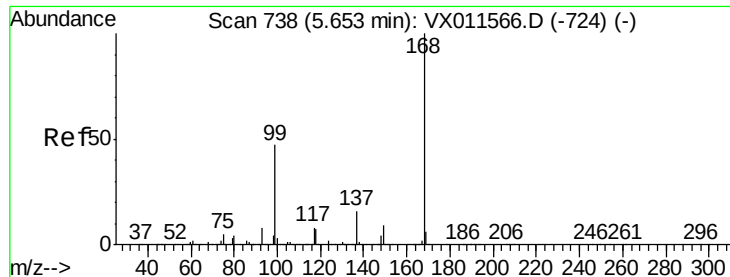
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	116863	19.813	ug/l	98
94) Hexachlorobutadiene	13.78	225	61220	19.062	ug/l	99
95) Naphthalene	13.83	128	358718	21.513	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	115157	19.357	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion: 168 Resp: 354145

Ion Ratio Lower Upper

168 100

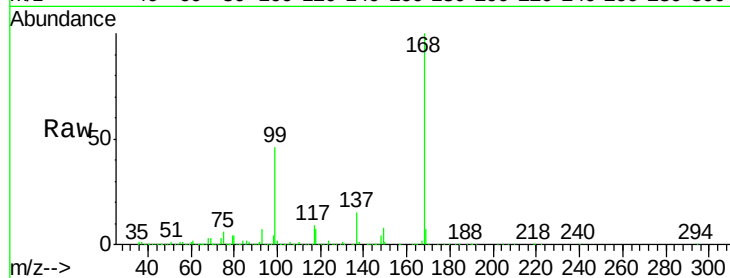
99 46.3 37.3 55.9

Manual Integrations

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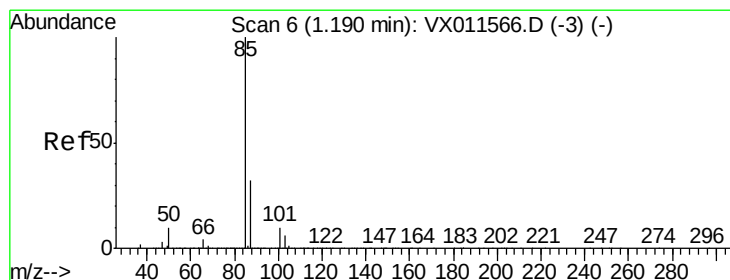
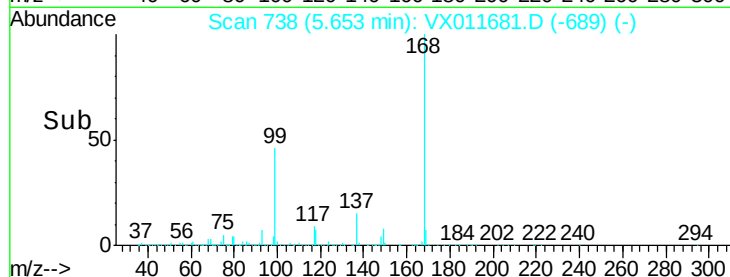
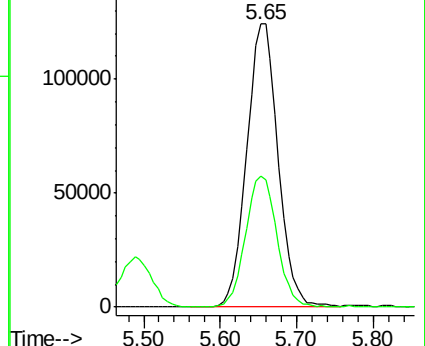
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 22.008 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011681.D

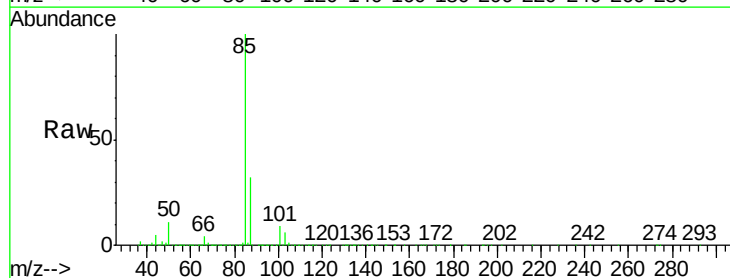
Acq: 20 Aug 2019 13:51

Tgt Ion: 85 Resp: 76610

Ion Ratio Lower Upper

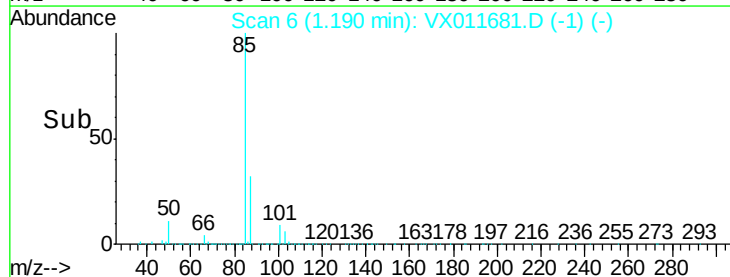
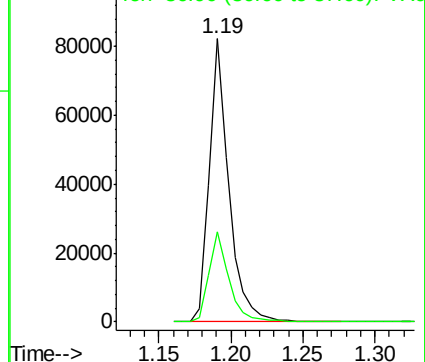
85 100

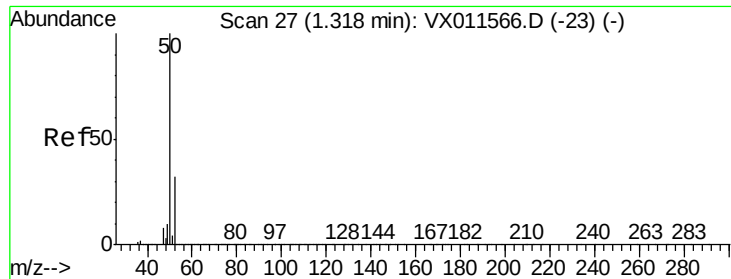
87 31.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.789 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion: 50 Resp: 64316

Ion Ratio Lower Upper

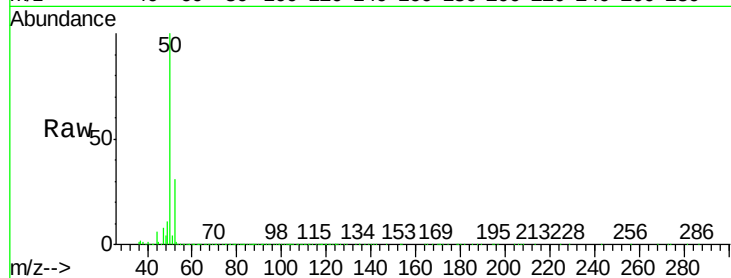
50 100

52 31.1 26.0 39.0

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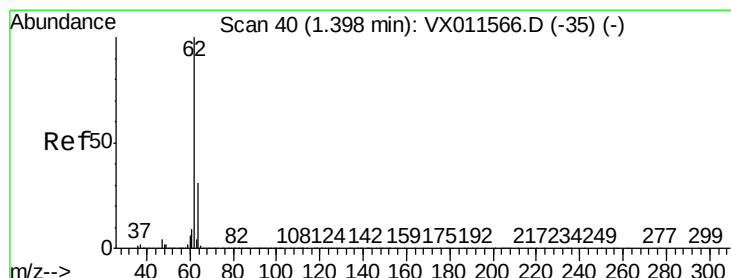
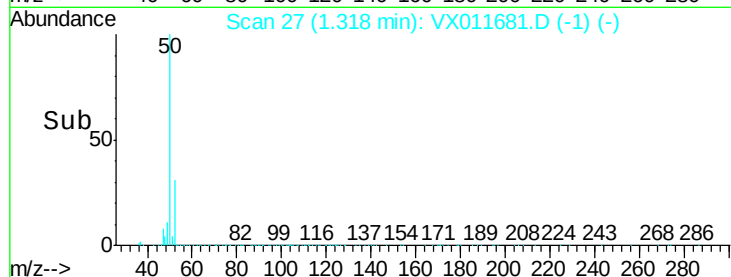
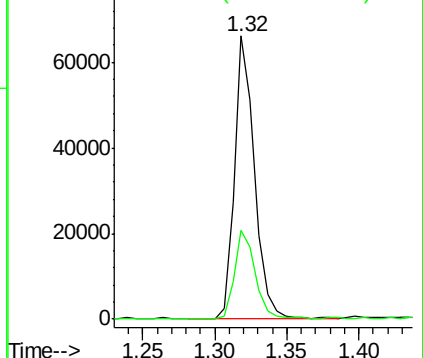
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.229 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011681.D

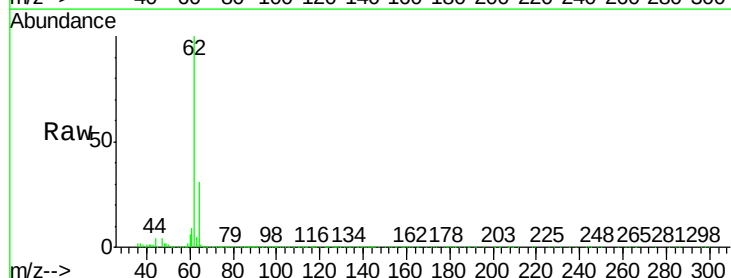
Acq: 20 Aug 2019 13:51

Tgt Ion: 62 Resp: 62804

Ion Ratio Lower Upper

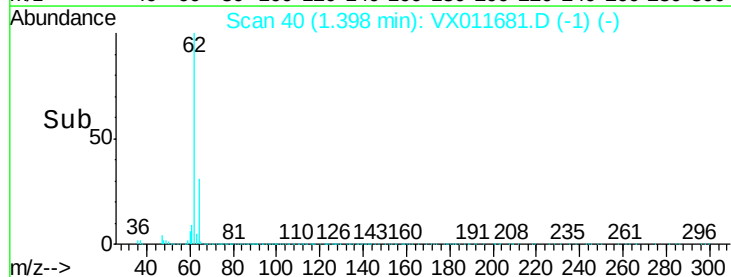
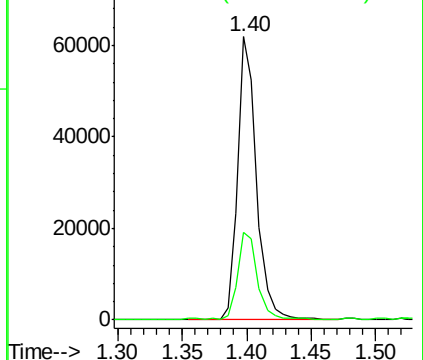
62 100

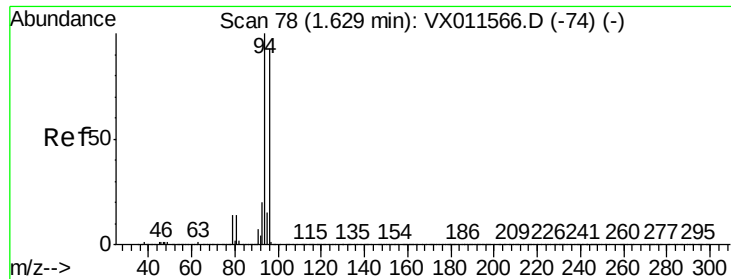
64 31.0 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 28.494 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion: 94 Resp: 41699

Ion Ratio Lower Upper

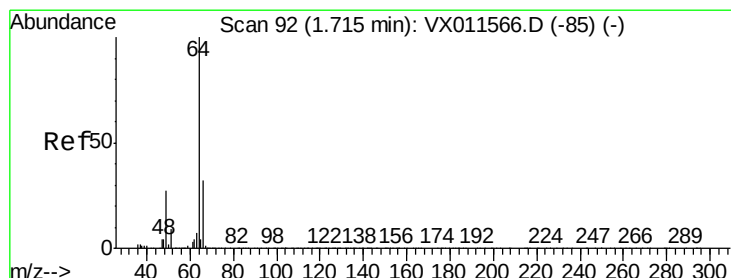
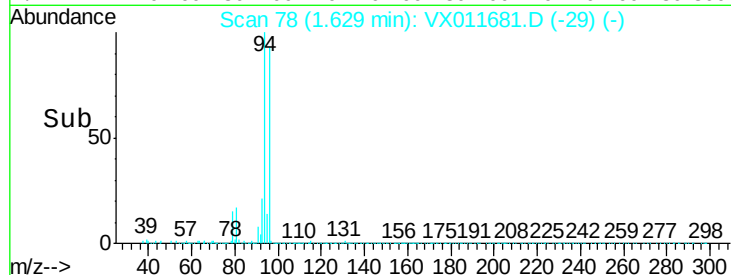
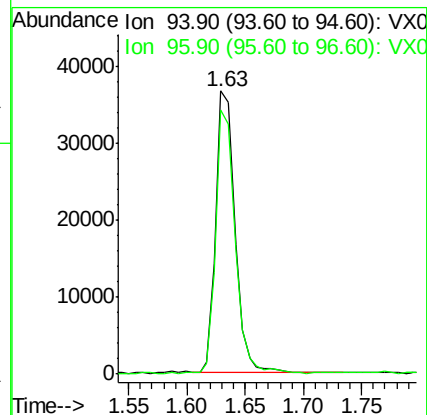
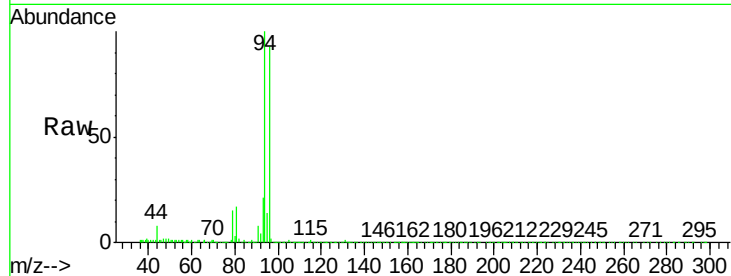
94 100

96 93.3 74.8 112.2

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#6

Chloroethane

Concen: 22.873 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011681.D

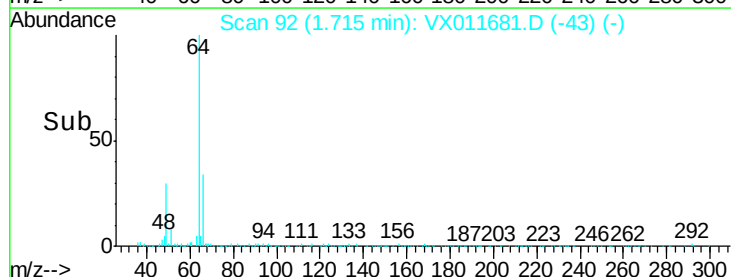
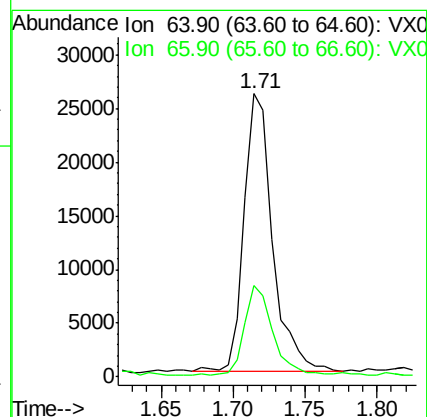
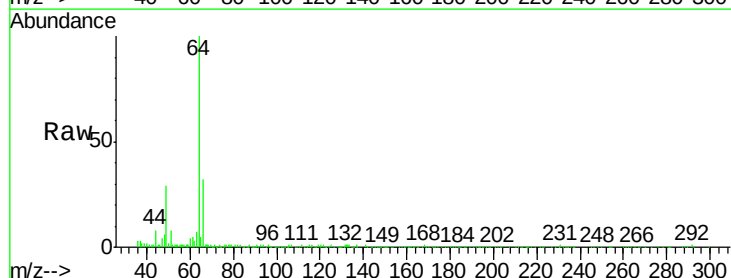
Acq: 20 Aug 2019 13:51

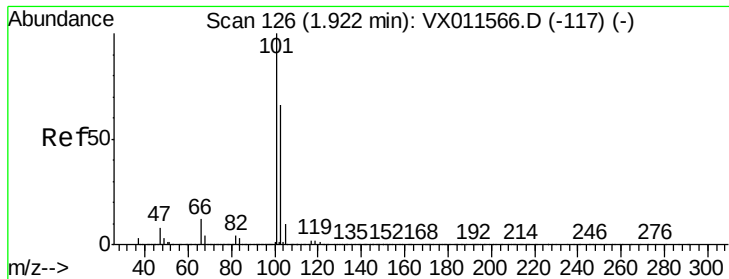
Tgt Ion: 64 Resp: 35356

Ion Ratio Lower Upper

64 100

66 32.3 25.3 37.9





#7

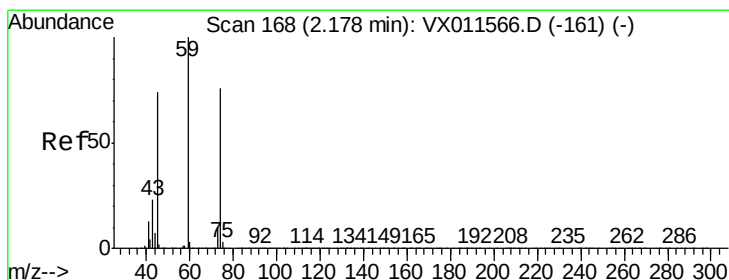
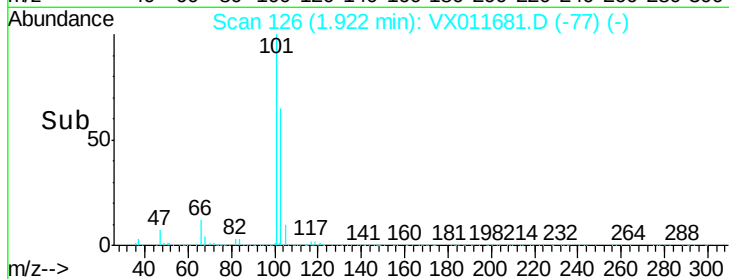
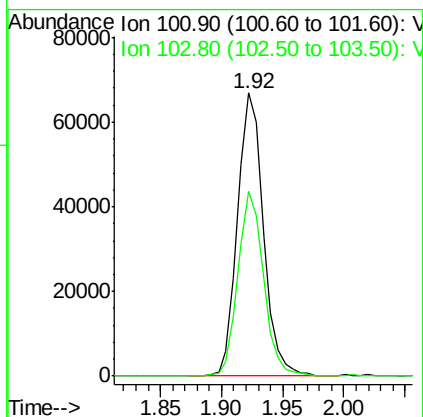
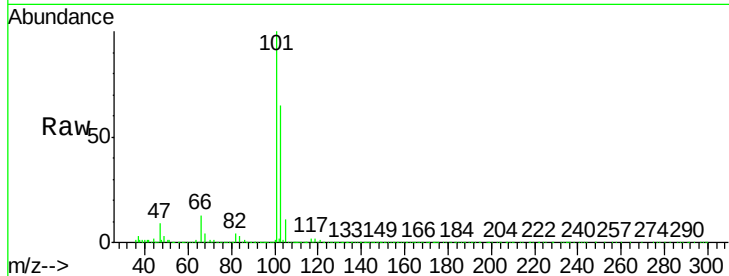
Trichlorofluoromethane
Concen: 21.498 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		97251		
103	65.2	52.9	79.3		

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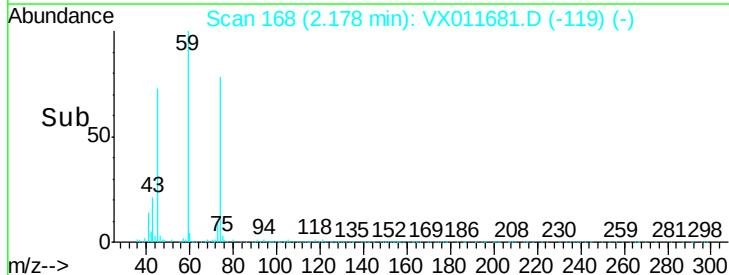
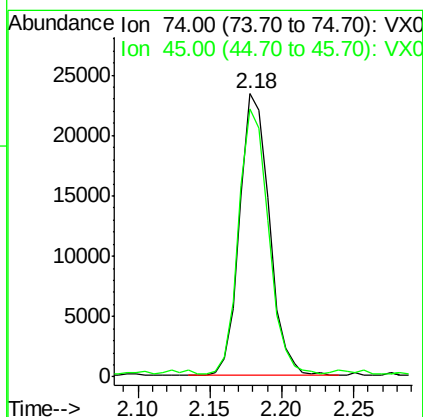
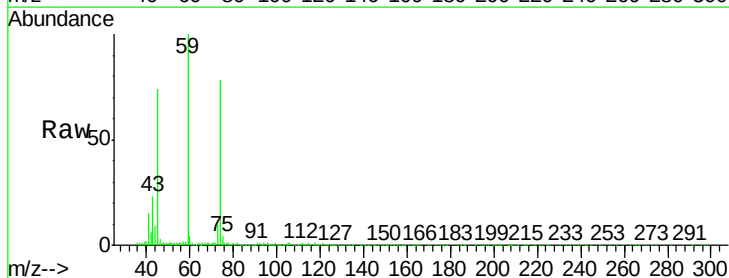
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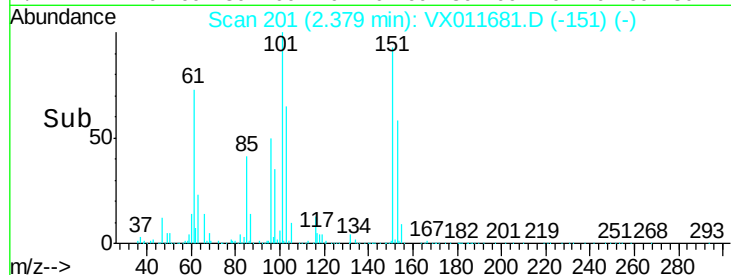
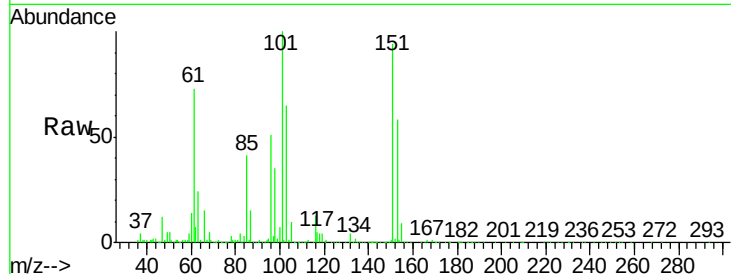
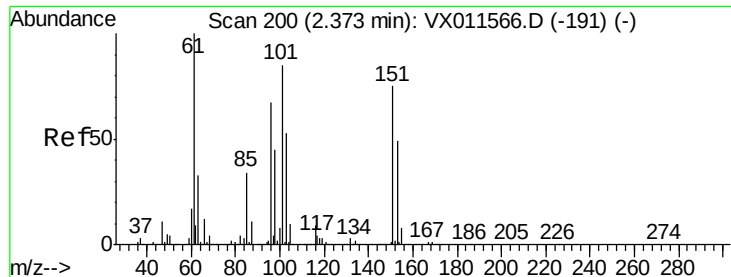


#8

Diethyl Ether
Concen: 21.539 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011681.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		33424		
45	94.4	48.2	144.6		





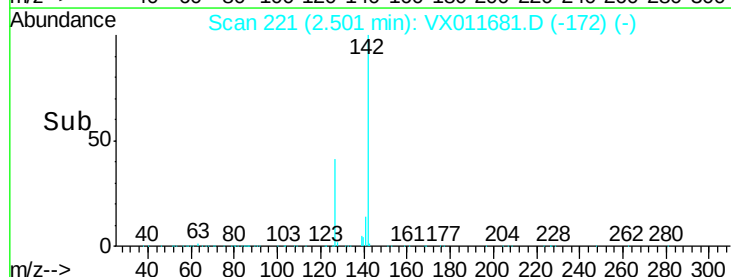
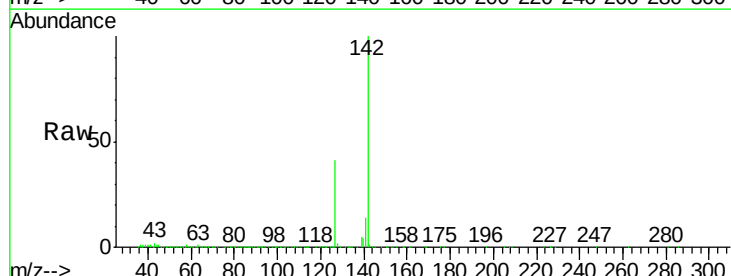
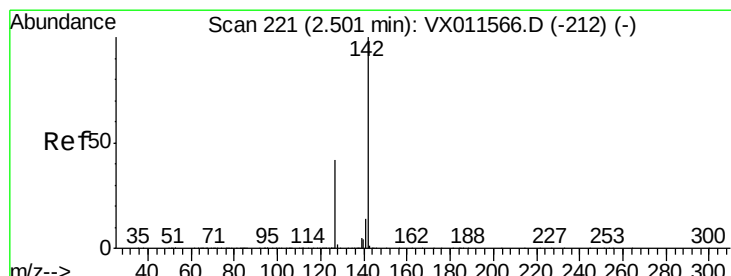
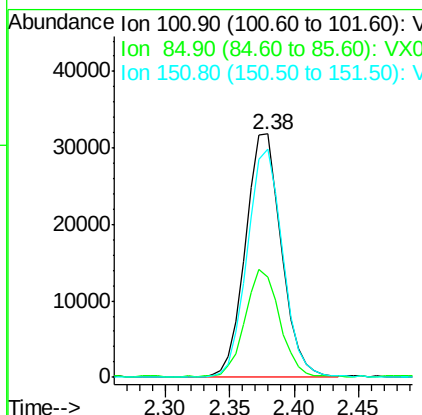
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.556 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	61104		
85	43.6	33.0	49.4	
151	93.3	73.3	109.9	

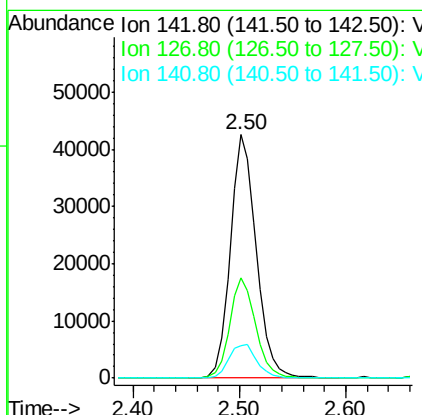
Manual Integrations
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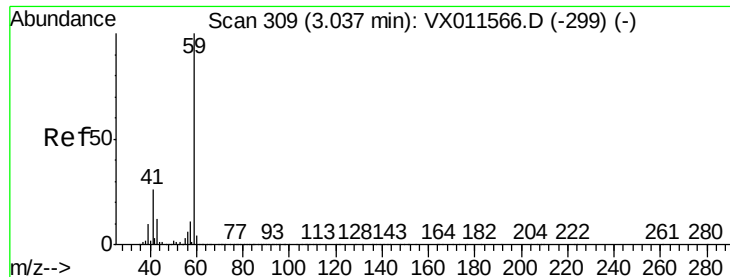
MMDadoda
8/21/2019 8:33:14 AM



#10
Methyl Iodide
Concen: 16.315 ug/l
RT: 2.50 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	72621		
127	41.0	32.8	49.2	
141	15.1	11.4	17.2	





#11

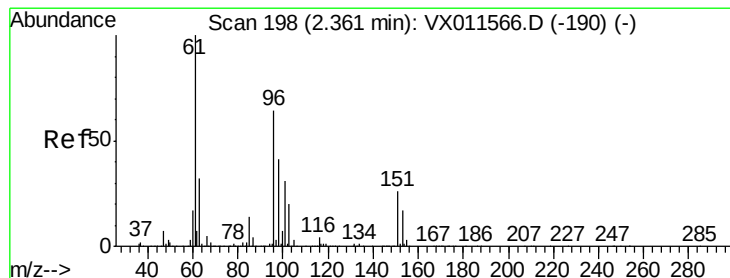
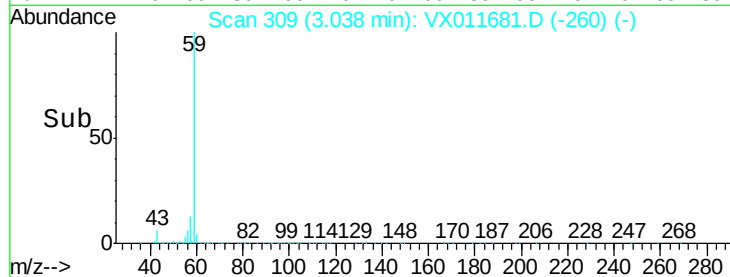
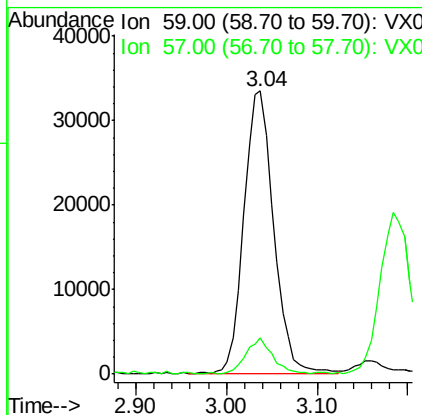
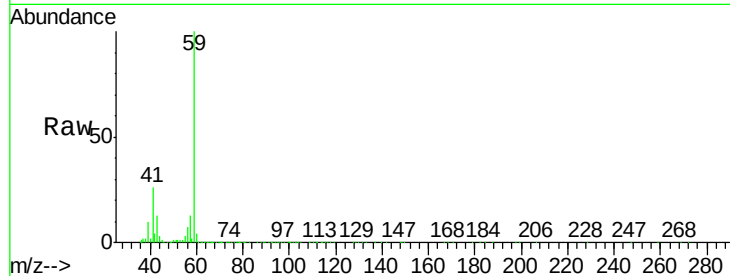
Tert butyl alcohol
Concen: 95.233 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.7	13.1

Manual Integrations
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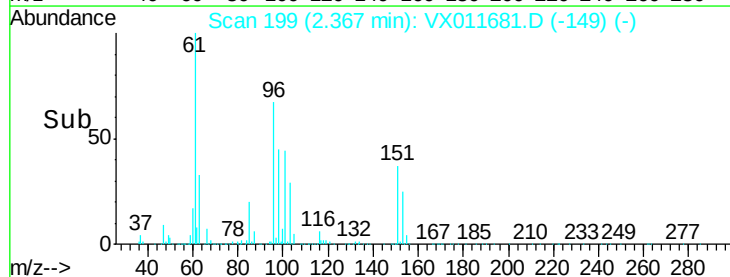
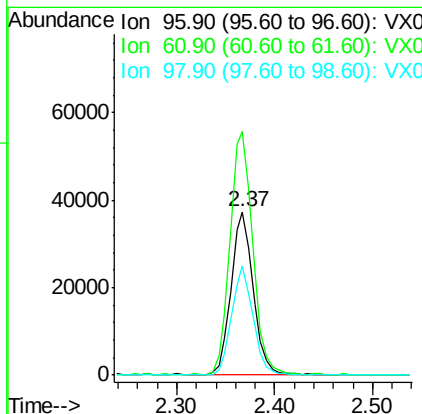
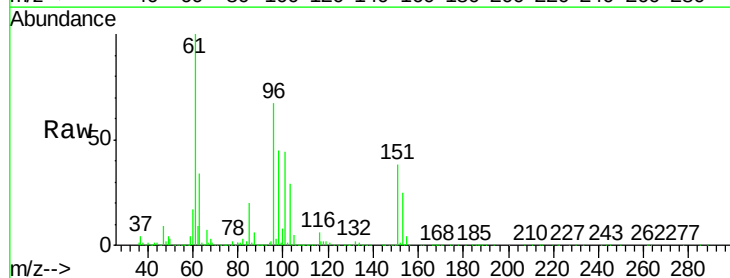
MMDadoda
8/21/2019 8:33:14 AM

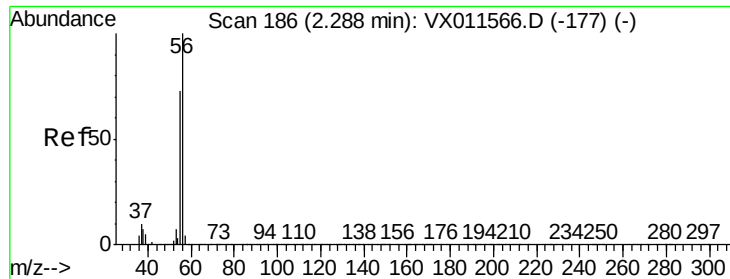


#12

1,1-Dichloroethene
Concen: 19.312 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.01 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.3	125.0	187.4
98	67.1	51.5	77.3





#13

Acrolein

Concen: 124.705 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion: 56 Resp: 29325

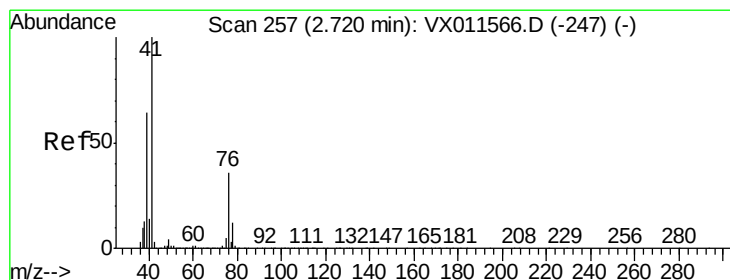
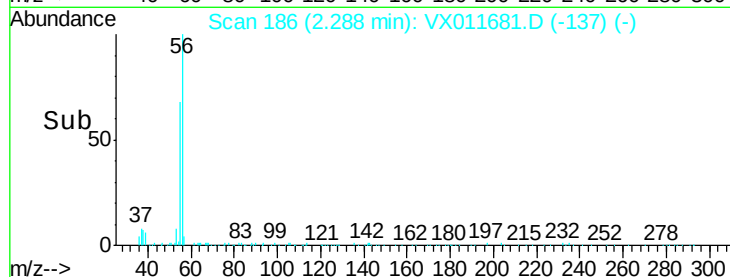
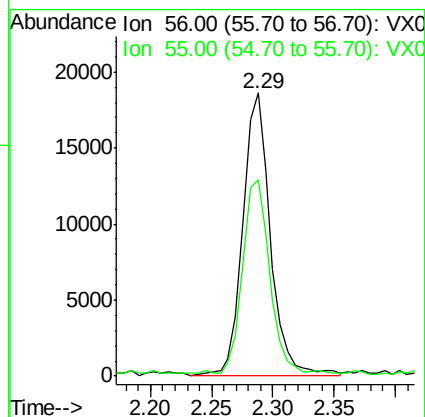
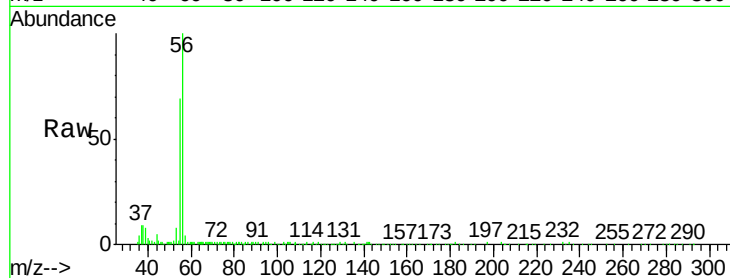
Ion Ratio Lower Upper

56 100

55 66.6 55.5 83.3

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#14

Allyl chloride

Concen: 18.633 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

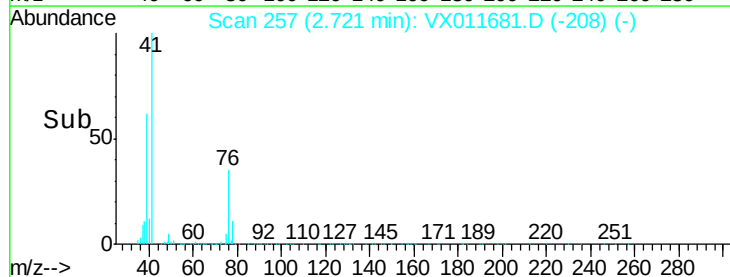
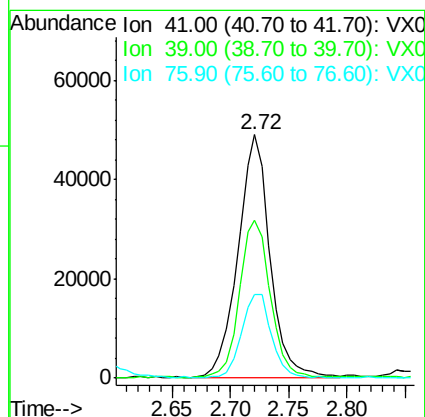
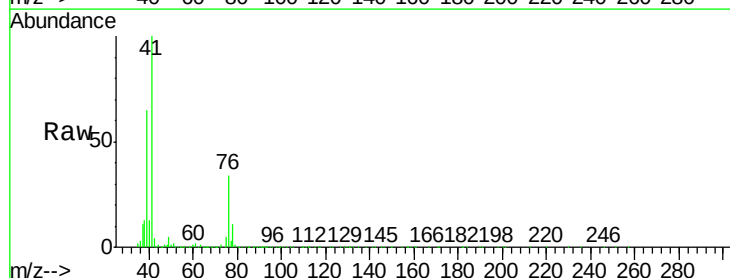
Tgt Ion: 41 Resp: 93594

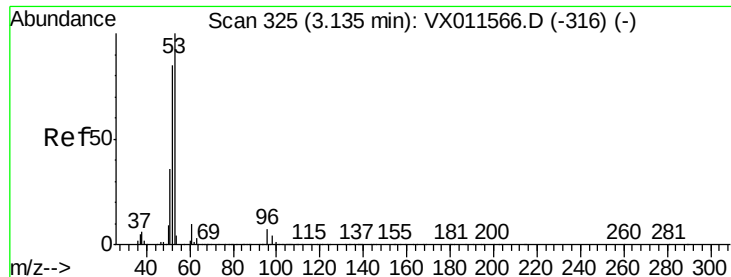
Ion Ratio Lower Upper

41 100

39 62.8 47.5 71.3

76 32.1 26.3 39.5





#15

Acrylonitrile

Concen: 100.480 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

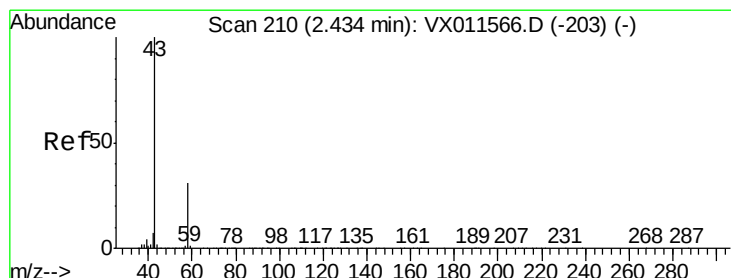
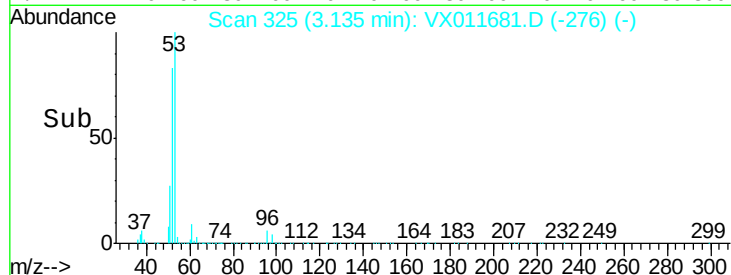
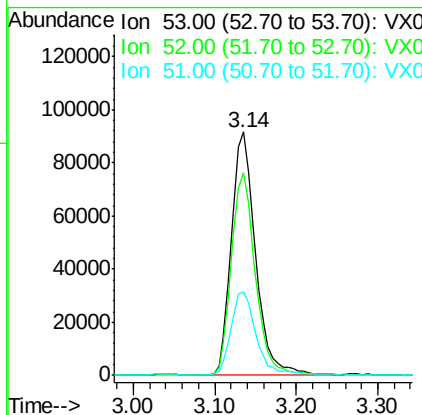
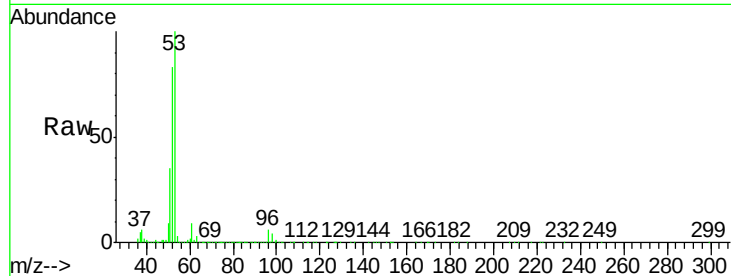
ClientSampleId :

VX0820WBS01

Tot Ion:	53	Resp:	185289
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.7	100.1
51	35.7	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 95.500 ug/l

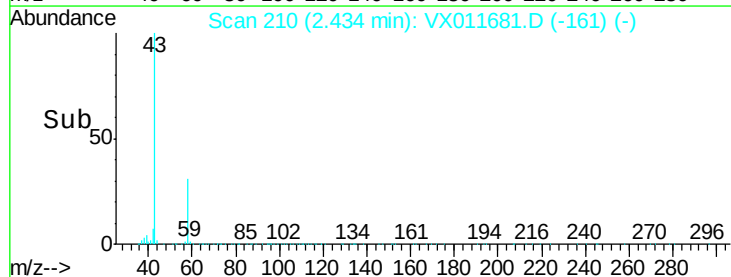
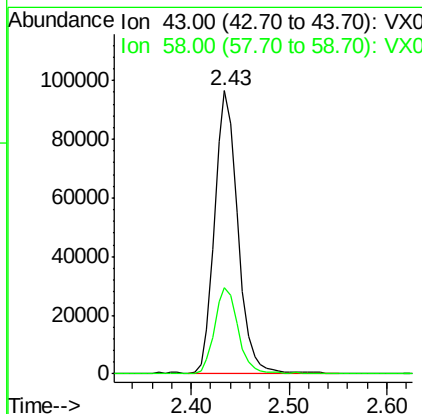
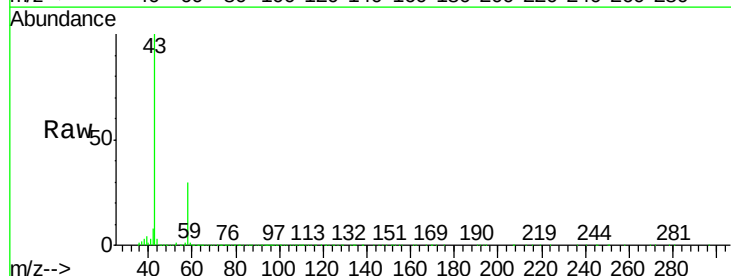
RT: 2.43 min Scan# 210

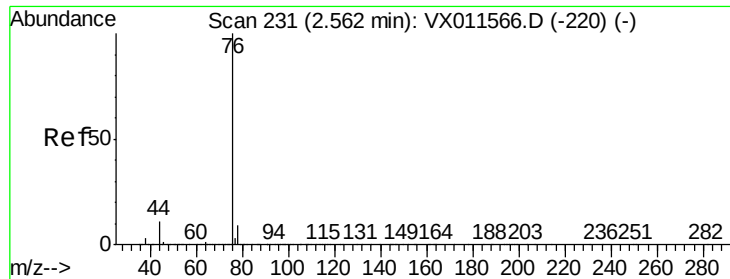
Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Tgt Ion:	43	Resp:	157706
Ion	Ratio	Lower	Upper
43	100		
58	30.3	25.2	37.8





#17

Carbon Disulfide

Concen: 16.347 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion: 76 Resp: 116313

Ion Ratio Lower Upper

76 100

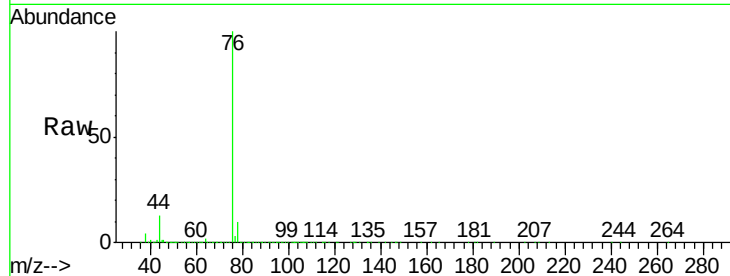
78 9.4 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

80000

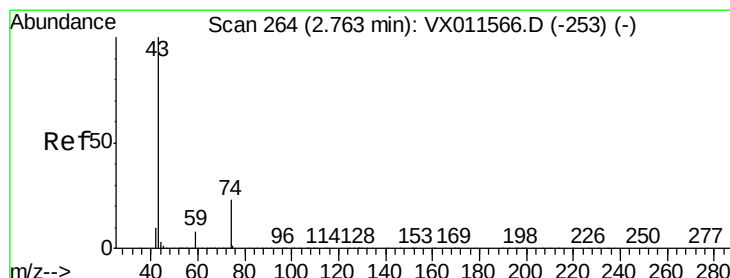
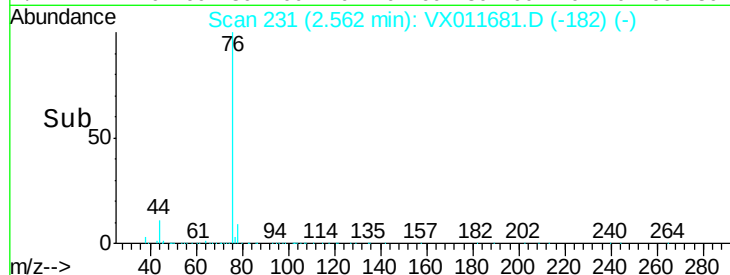
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.690 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011681.D

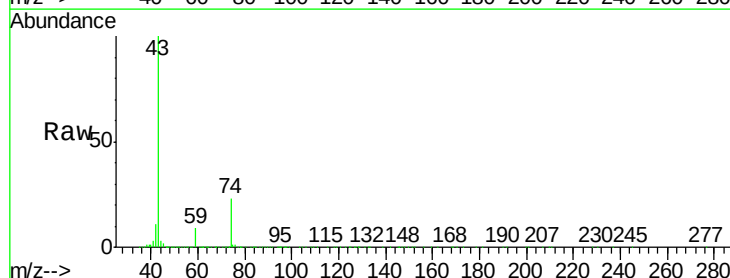
Acq: 20 Aug 2019 13:51

Tgt Ion: 43 Resp: 105962

Ion Ratio Lower Upper

43 100

74 24.1 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

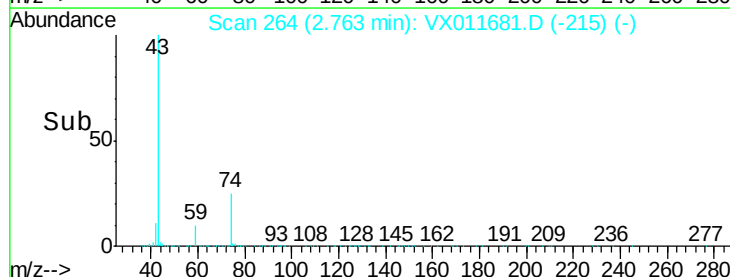
60000

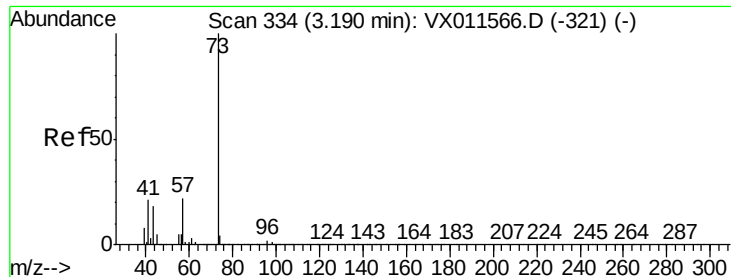
40000

20000

0

Time-->





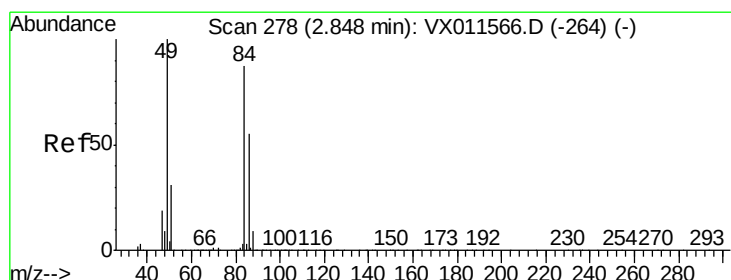
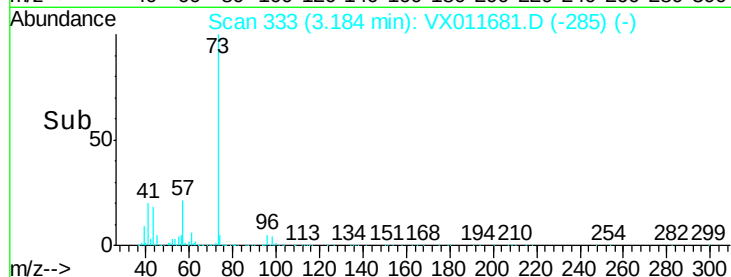
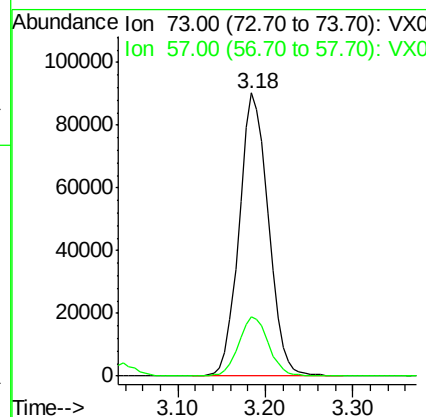
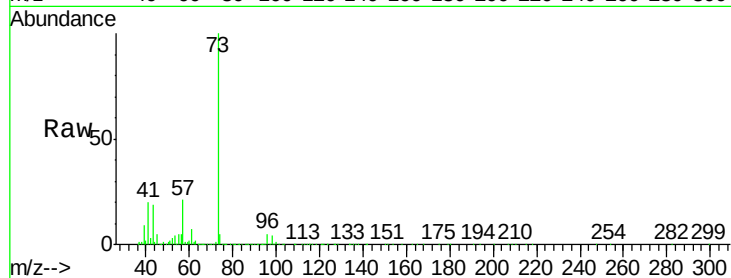
#19
Methyl tert-butyl Ether
Concen: 21.248 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.01 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.2	25.8

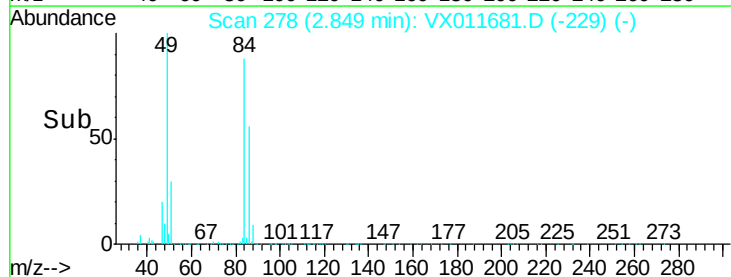
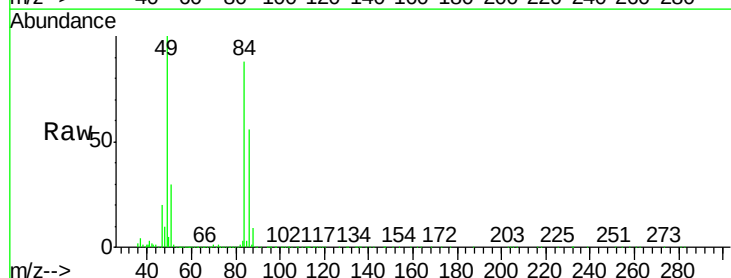
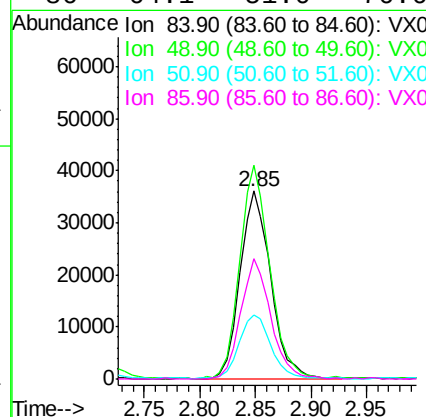
Manual Integrations
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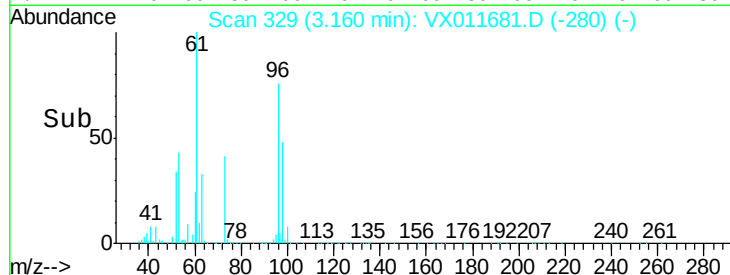
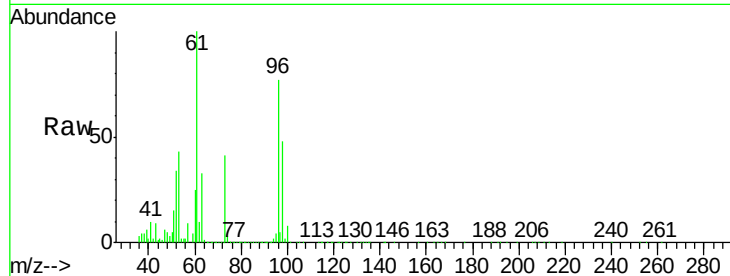
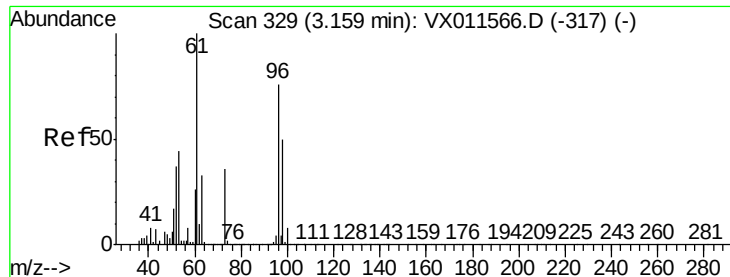
MMDadoda
8/21/2019 8:33:14 AM



#20
Methylene Chloride
Concen: 19.812 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.5	92.4	138.6
51	33.8	28.5	42.7
86	64.1	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 19.664 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011681.D

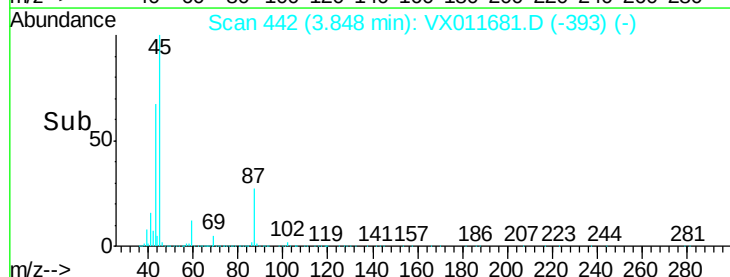
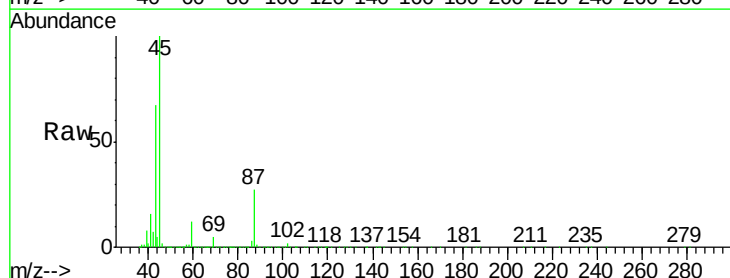
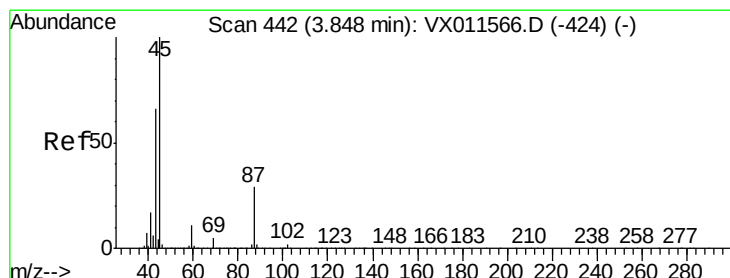
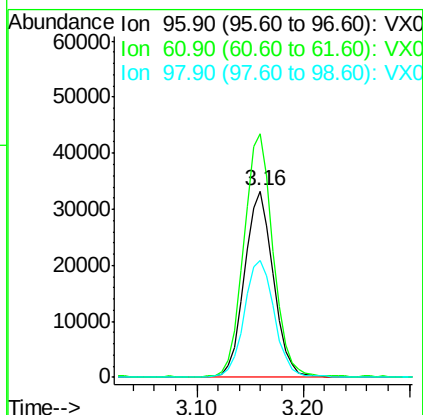
Acq: 20 Aug 2019 13:51

Tot Ion:	96	Resp:	62924
Ion	Ratio	Lower	Upper
96	100		
61	130.4	105.5	158.3
98	63.0	52.6	78.8

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.805 ug/l

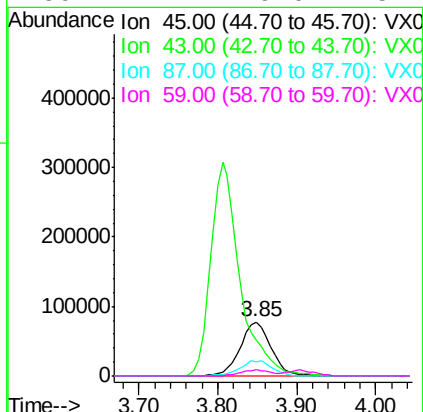
RT: 3.85 min Scan# 442

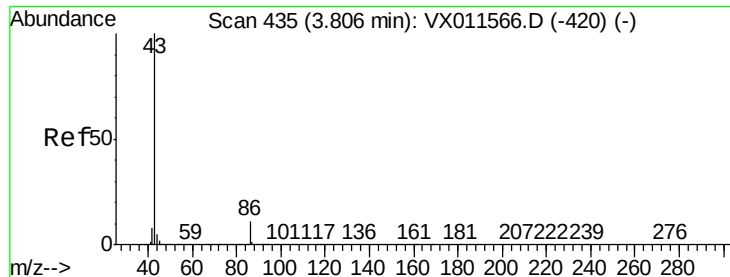
Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Tgt Ion:	45	Resp:	208124
Ion	Ratio	Lower	Upper
45	100		
43	66.0	52.7	79.1
87	27.4	23.5	35.3
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 100.274 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion: 43 Resp: 794326

Ion Ratio Lower Upper

43 100

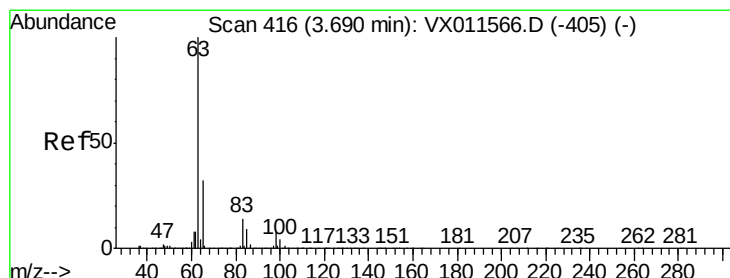
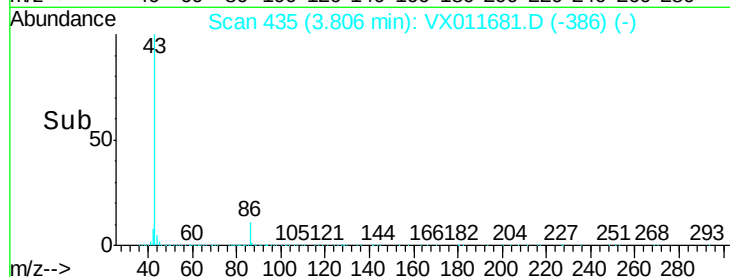
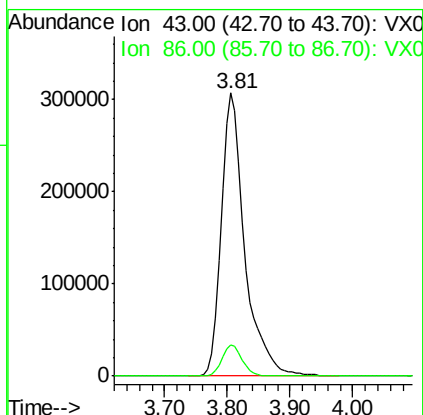
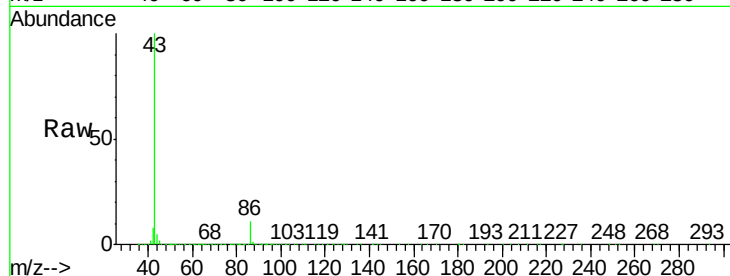
86 10.9 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.326 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

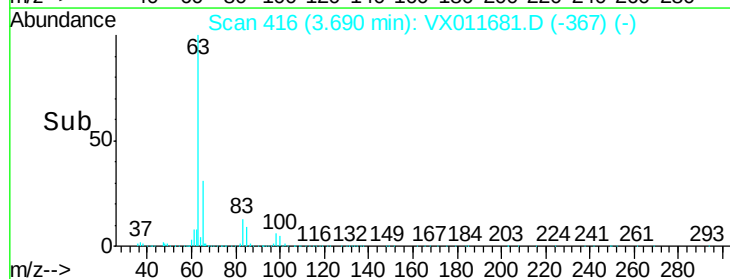
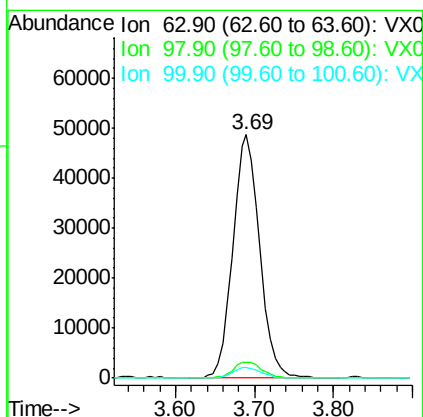
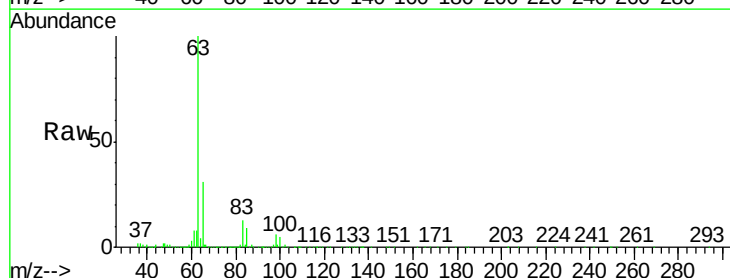
Tgt Ion: 63 Resp: 114961

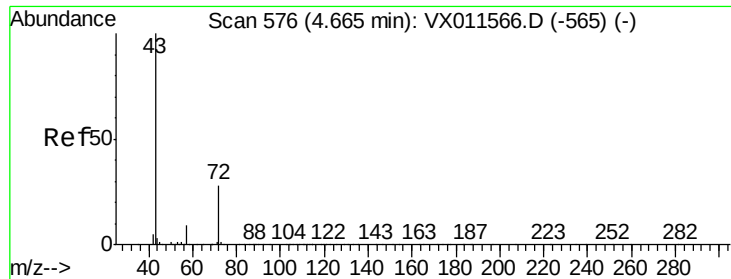
Ion Ratio Lower Upper

63 100

98 6.1 3.7 11.1

100 4.4 2.1 6.3





#25

2-Butanone

Concen: 96.862 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011681.D

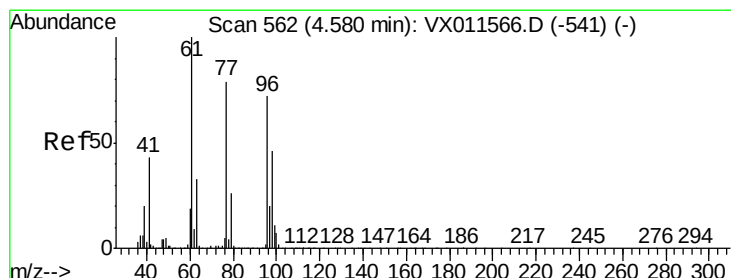
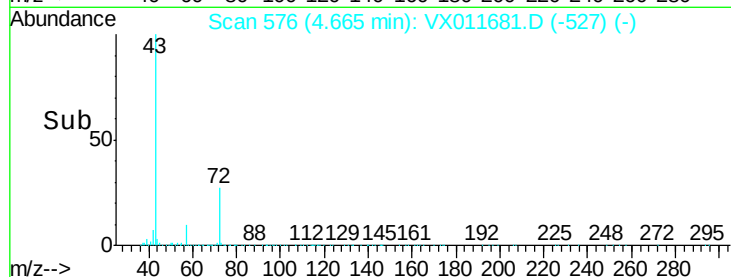
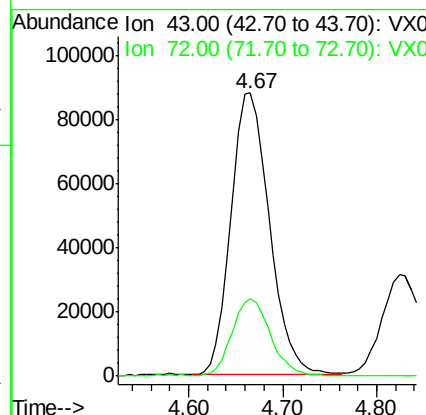
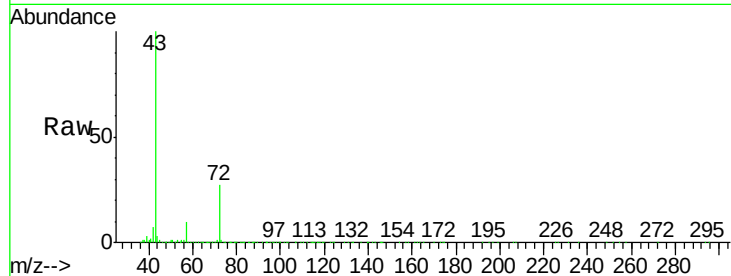
Acq: 20 Aug 2019 13:51

Tot Ion	43	Resp	251117
Ion Ratio	Lower	Upper	
43	100		
72	27.0	22.2	33.4

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 18.670 ug/l

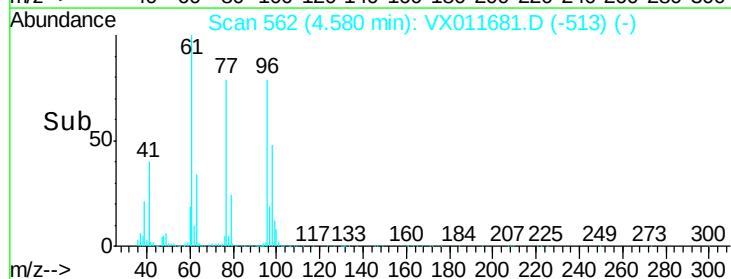
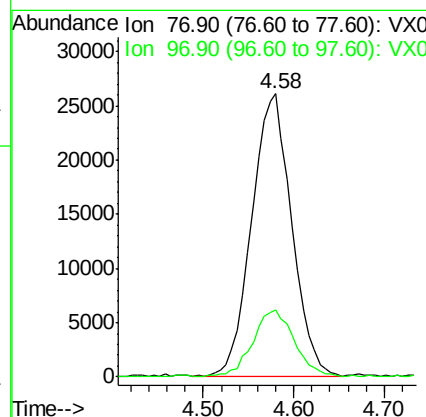
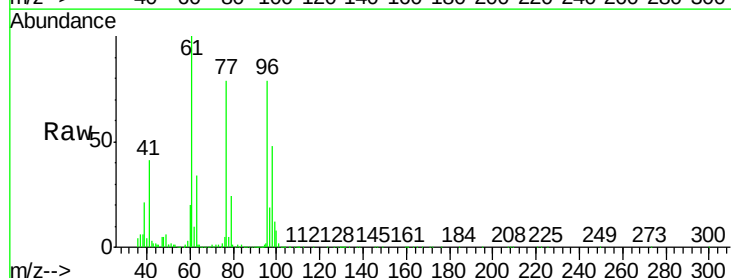
RT: 4.58 min Scan# 562

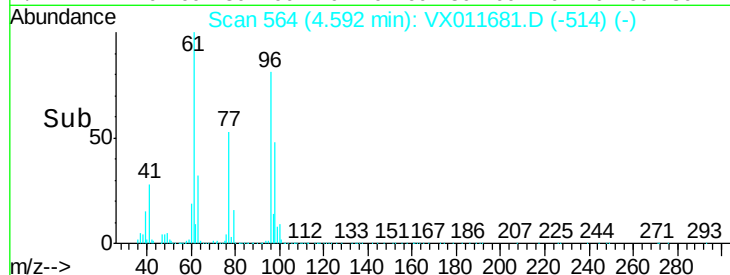
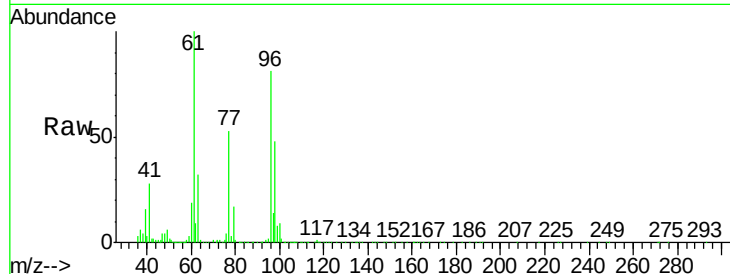
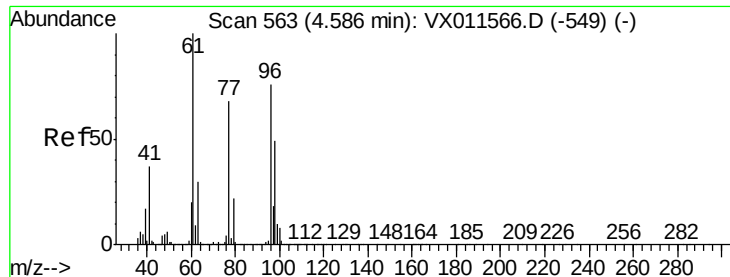
Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Tgt Ion	77	Resp	79477
Ion Ratio	Lower	Upper	
77	100		
97	24.7	12.4	37.2





#27

cis-1,2-Dichloroethene

Concen: 20.589 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX011681.D

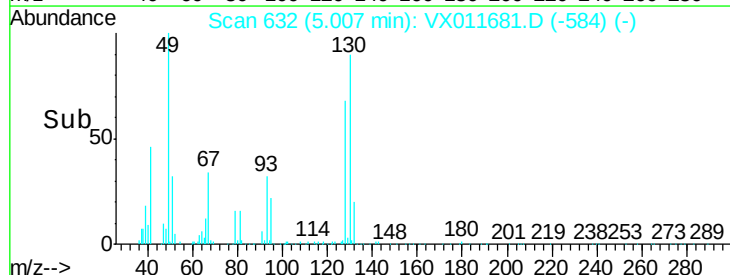
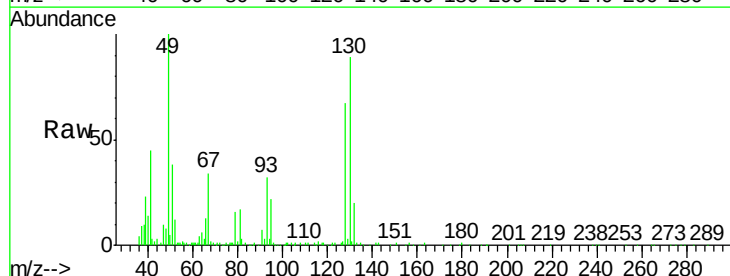
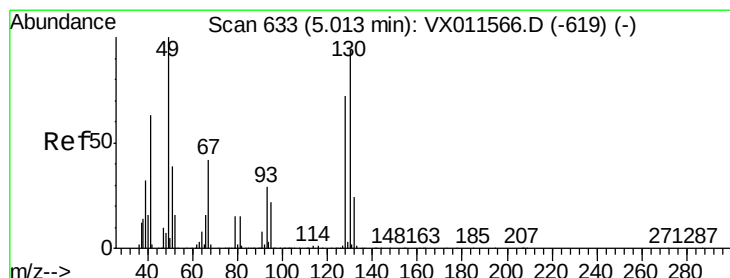
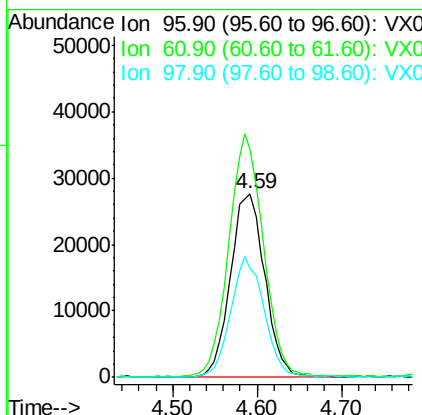
Acq: 20 Aug 2019 13:51

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.2	0.0	272.6	
98	63.8	0.0	129.4	

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Manual Integrations
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#28

Bromochloromethane

Concen: 18.119 ug/l

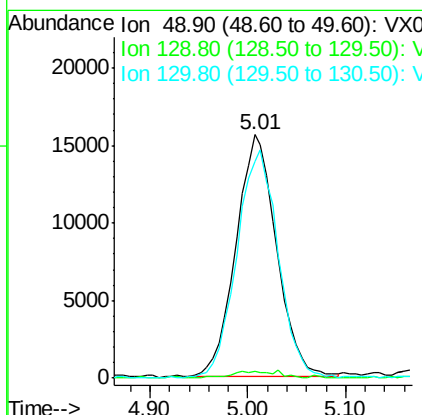
RT: 5.01 min Scan# 632

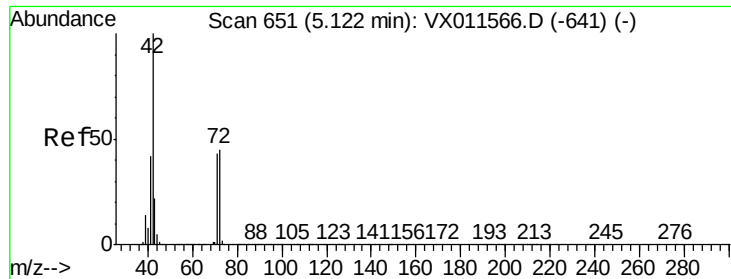
Delta R.T. -0.01 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	5.0	
130	96.6	76.6	115.0	





#29

Tetrahydrofuran

Concen: 96.940 ug/l

RT: 5.12 min Scan# 651

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

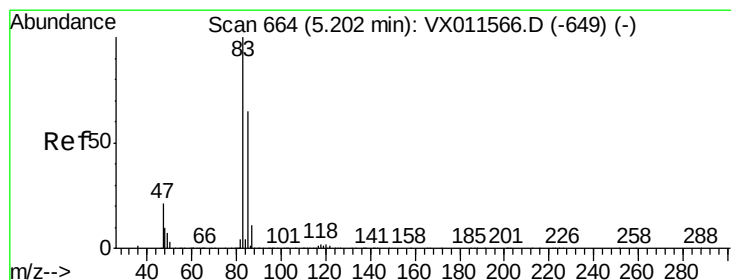
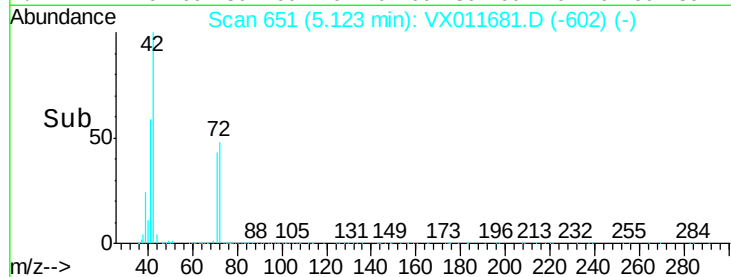
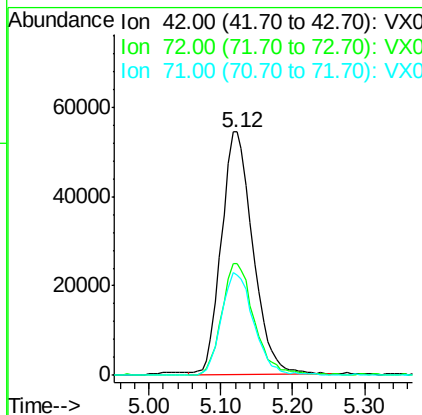
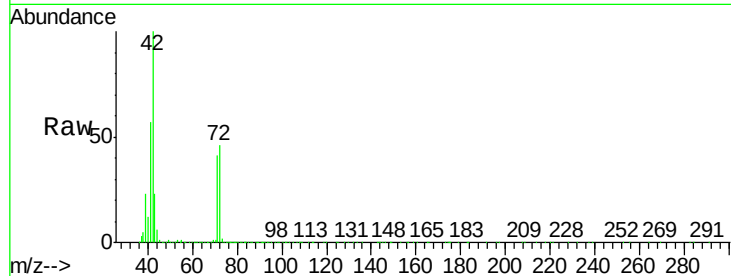
ClientSampleId :

VX0820WBS01

Tot Ion:	42	Resp:	164857
Ion Ratio		Lower	Upper
42	100		
72	46.7	36.1	54.1
71	43.2	33.8	50.8

Manual Integrations
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#30

Chloroform

Concen: 20.358 ug/l

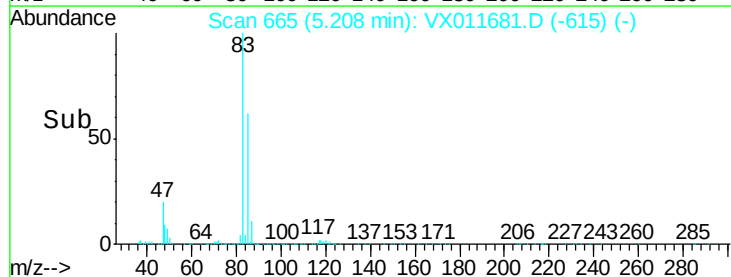
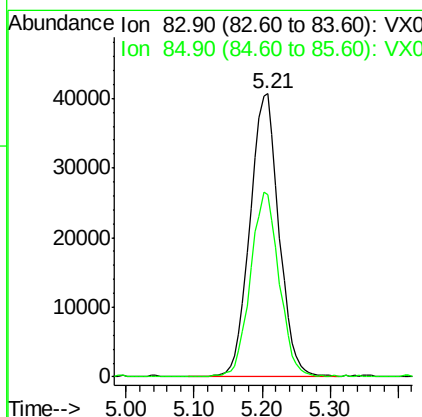
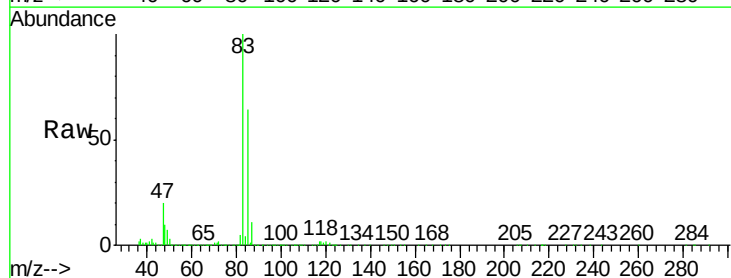
RT: 5.21 min Scan# 665

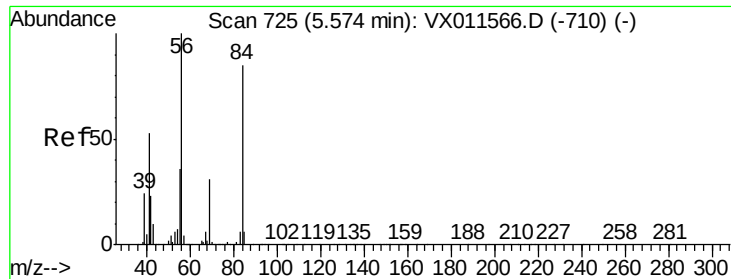
Delta R.T. 0.01 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Tgt Ion:	83	Resp:	121516
Ion Ratio		Lower	Upper
83	100		
85	63.8	51.9	77.9





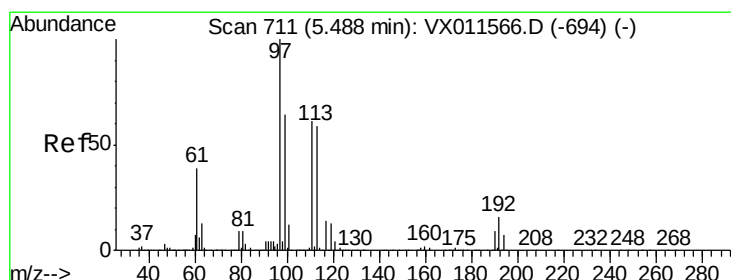
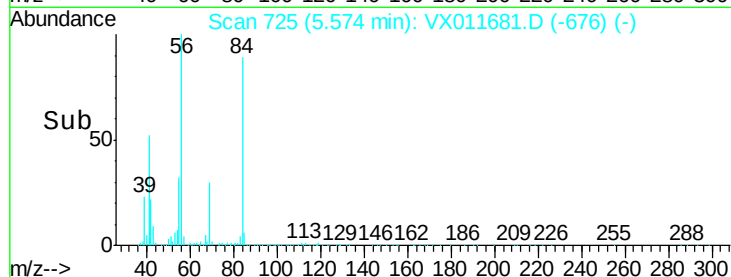
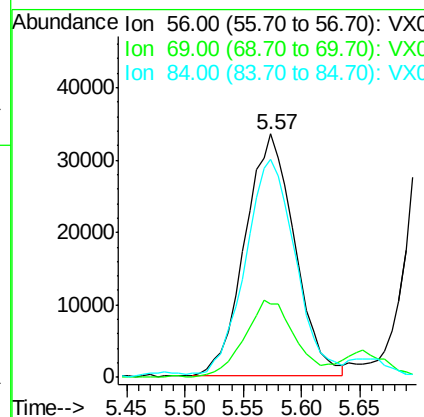
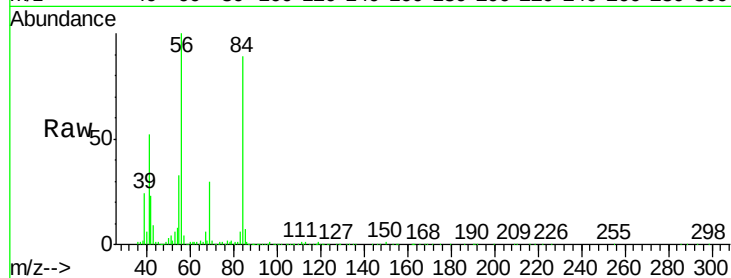
#31
Cyclohexane
Concen: 20.337 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.8	37.2
84	88.3	67.9	101.9

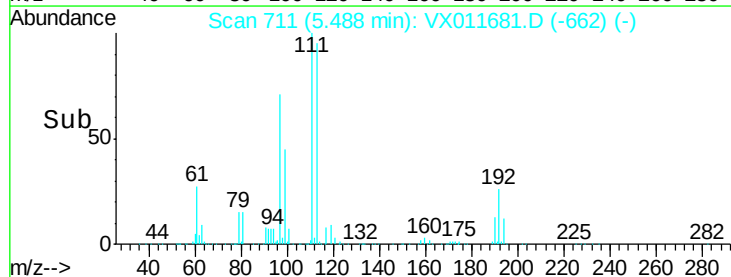
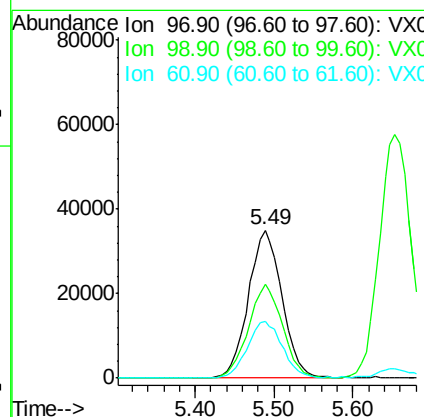
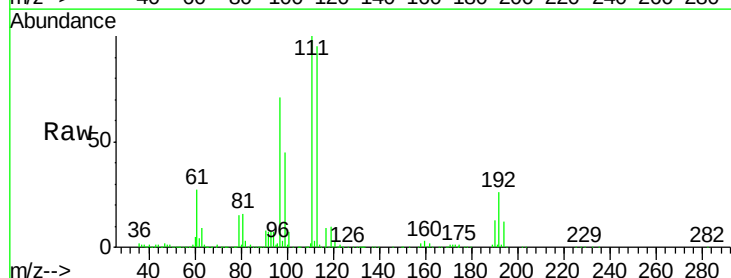
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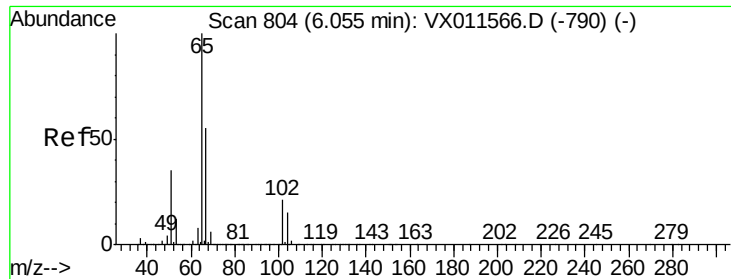
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.176 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	39.2	31.4	47.2





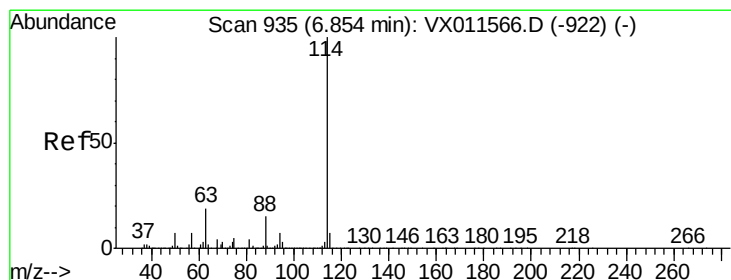
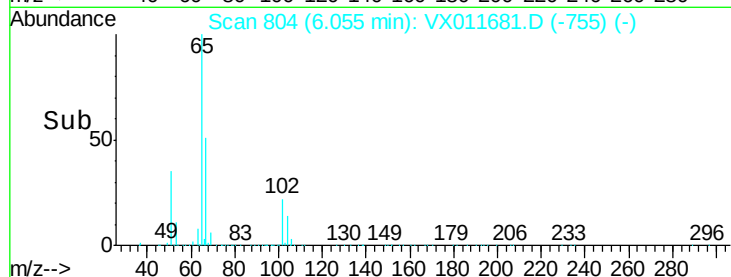
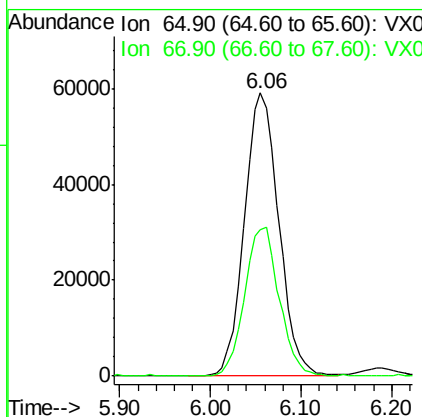
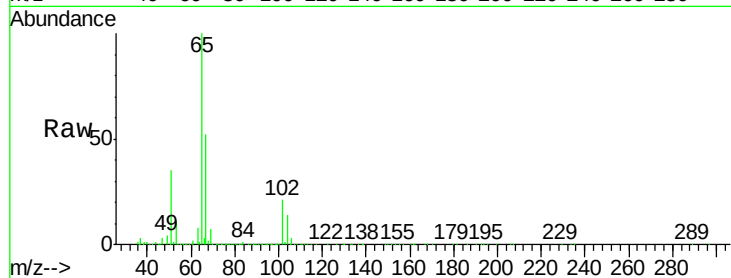
#33
 1,2-Dichloroethane-d4
 Concen: 47.083 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011681.D
 Acq: 20 Aug 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	107.6

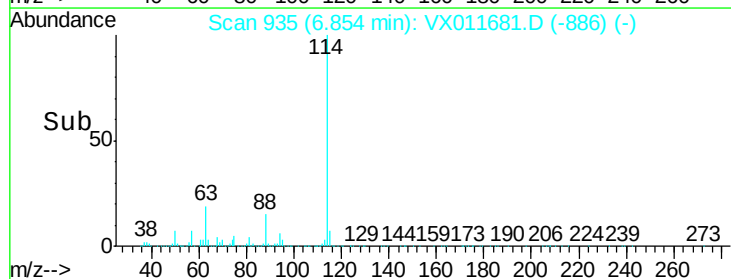
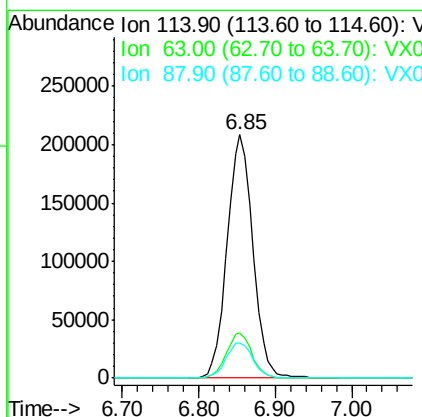
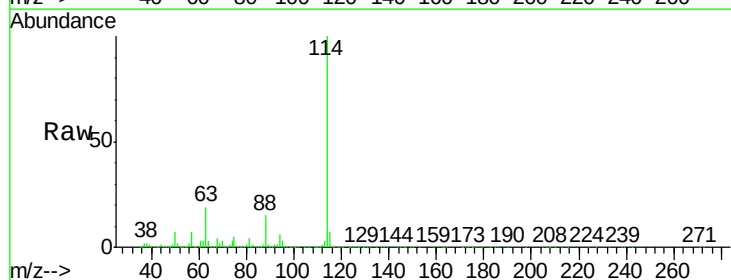
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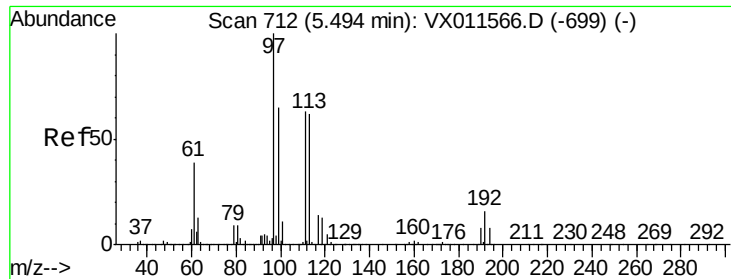
MMDadoda
 8/21/2019 8:33:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011681.D
 Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	37.8
88	14.6	0.0	30.2





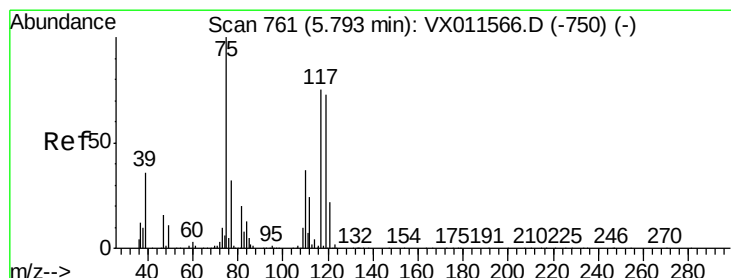
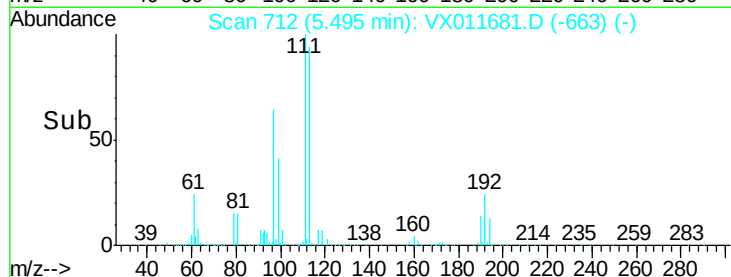
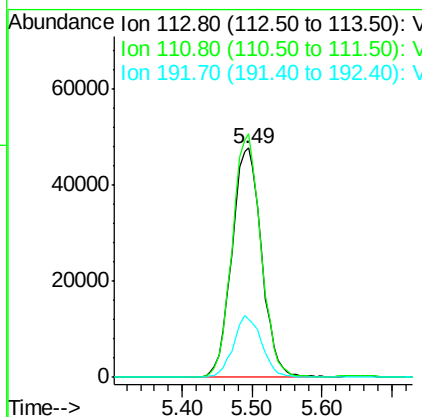
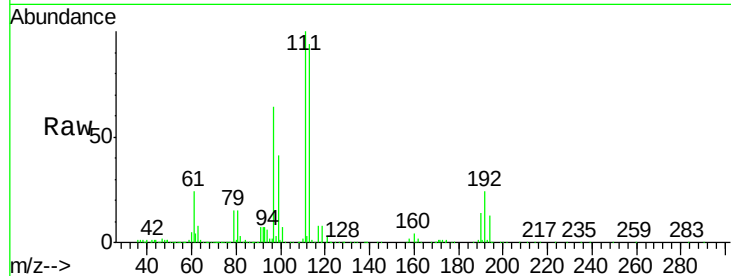
#35
 Dibromofluoromethane
 Concen: 44.224 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011681.D
 Acq: 20 Aug 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	140391		
111	102.7	81.1	121.7	
192	25.8	20.8	31.2	

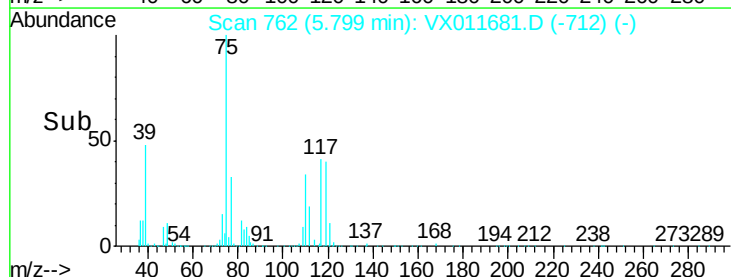
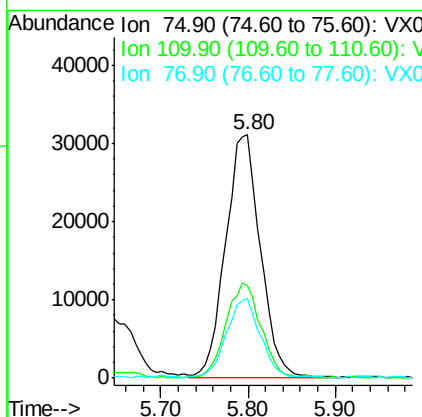
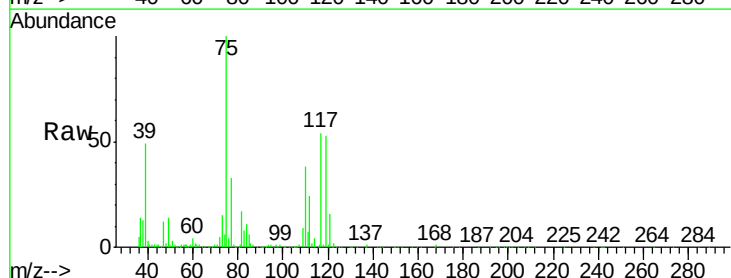
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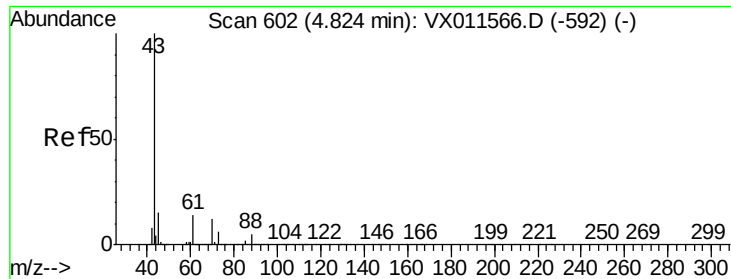
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.660 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VX011681.D
 Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	85732		
110	39.7	19.4	58.1	
77	31.4	25.1	37.7	





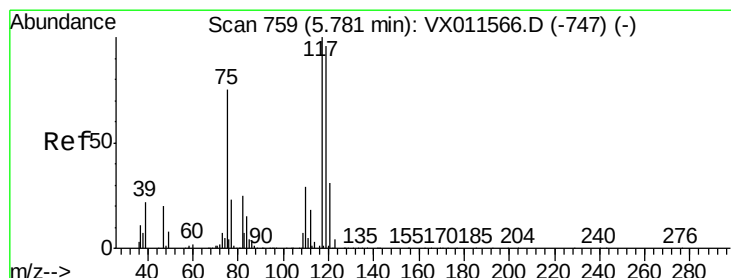
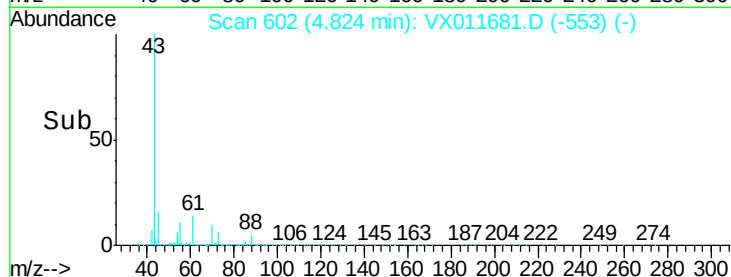
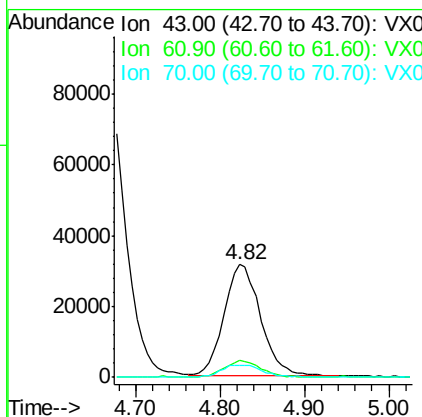
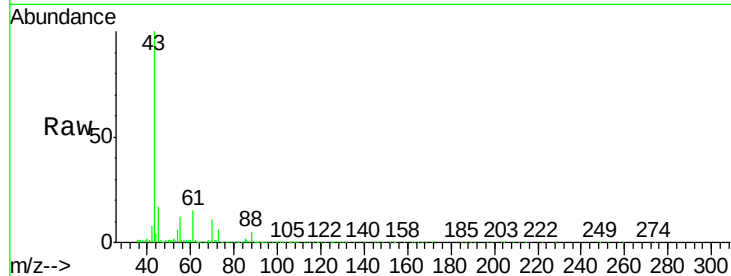
#37
Ethyl Acetate
Concen: 19.495 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Instrument :
MSVOA_X
ClientSampleID :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.4	17.0
70	11.9	9.0	13.6

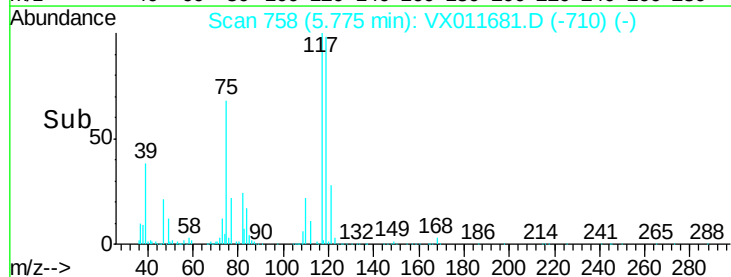
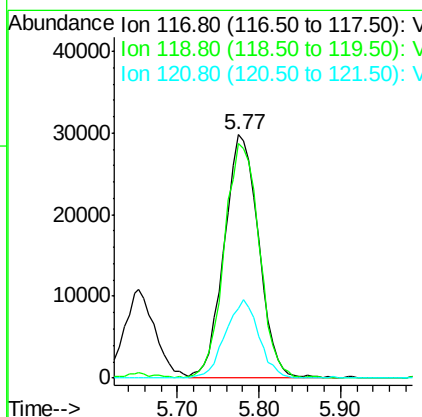
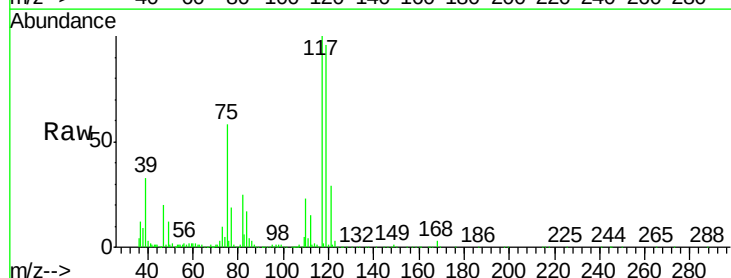
Manual Integrations
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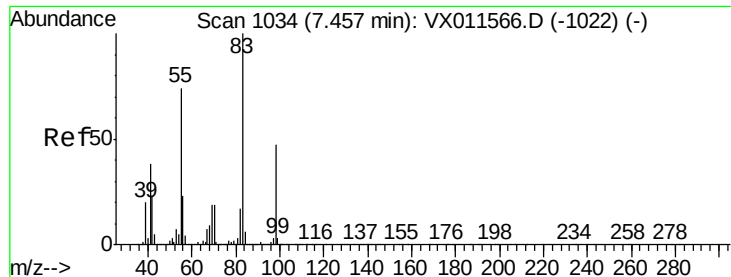
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.921 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.9	115.3
121	28.4	24.8	37.2





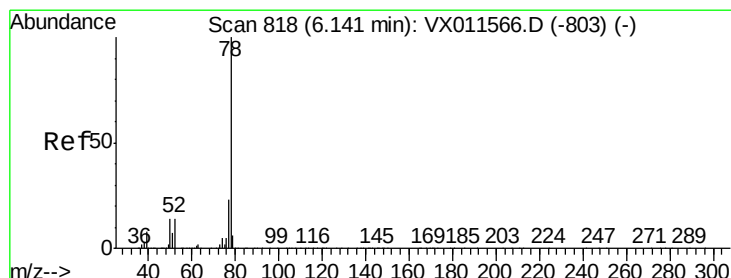
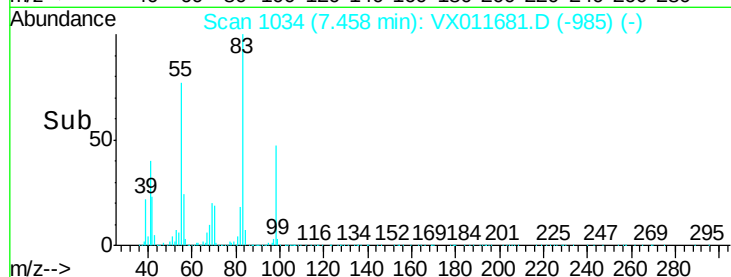
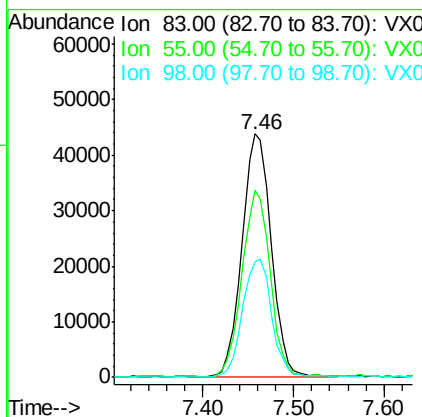
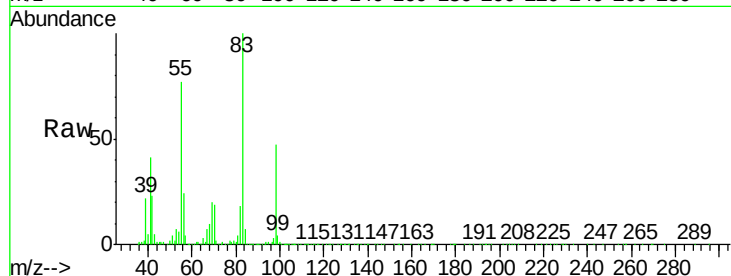
#39
Methylvlcyclohexane
Concen: 19.209 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	58.8	88.2
98	47.2	37.8	56.6

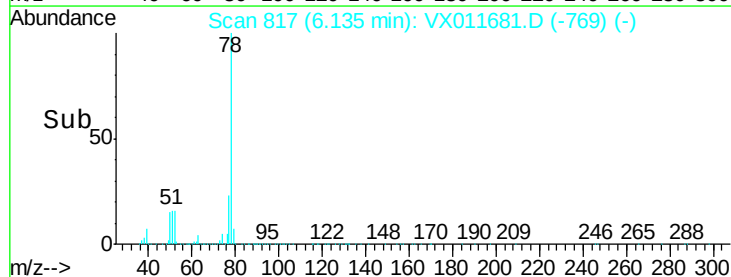
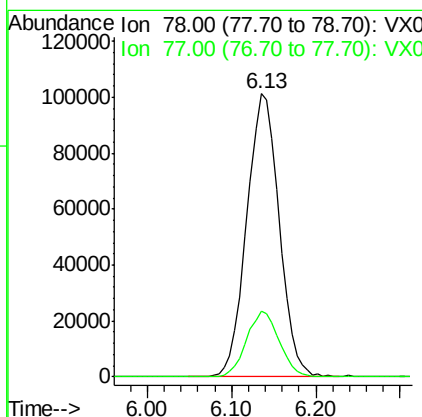
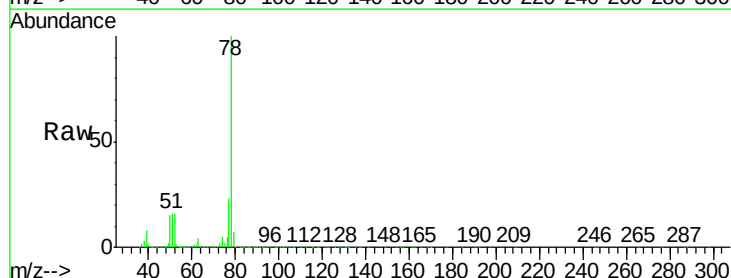
Manual Integrations
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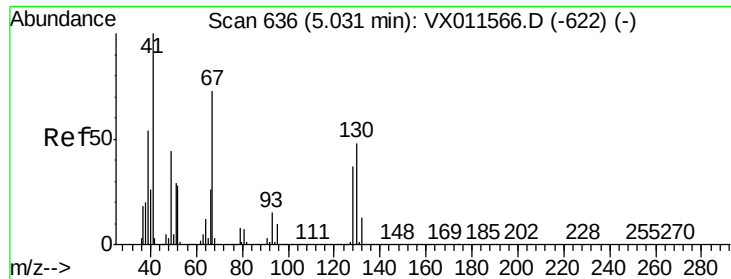
MMDadoda
8/21/2019 8:33:14 AM



#40
Benzene
Concen: 20.549 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





#41

Methacrylonitrile

Concen: 21.016 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

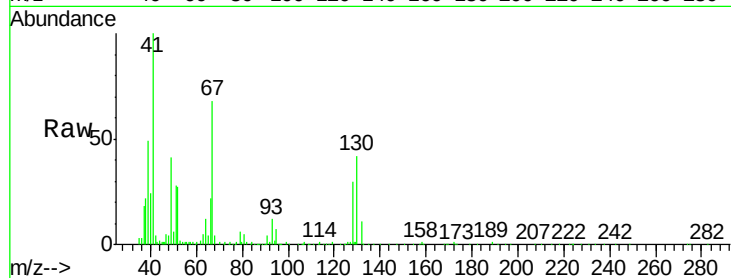
ClientSampleId :

VX0820WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	43.5	65.3	
67	74.3	59.4	89.2	
52	28.3	23.4	35.2	

Manual Integrations
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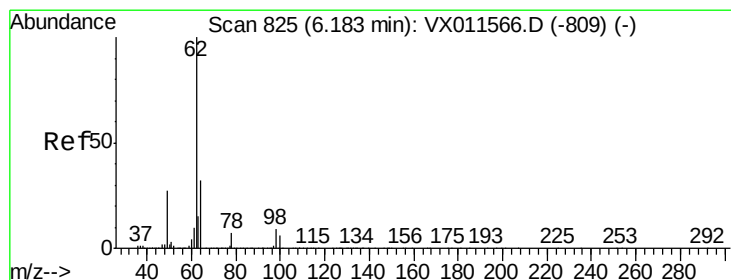
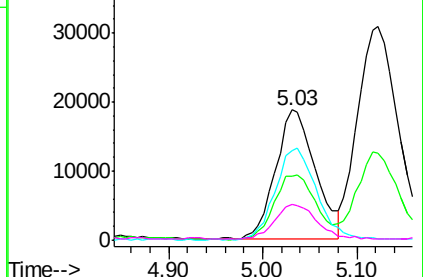
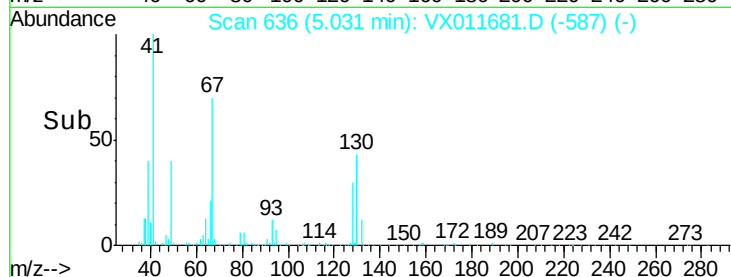


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 21.142 ug/l

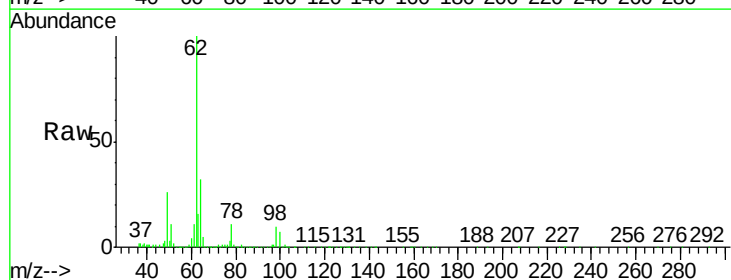
RT: 6.18 min Scan# 825

Delta R.T. 0.00 min

Lab File: VX011681.D

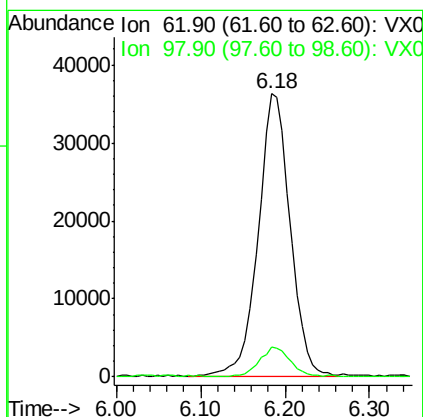
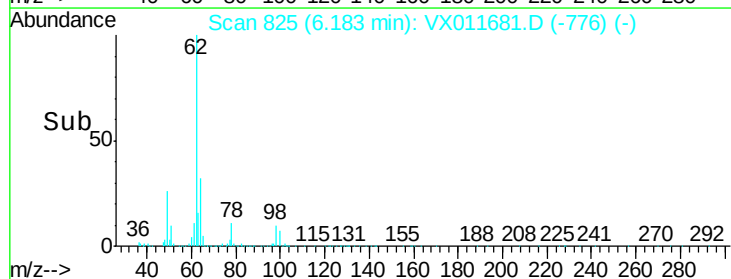
Acq: 20 Aug 2019 13:51

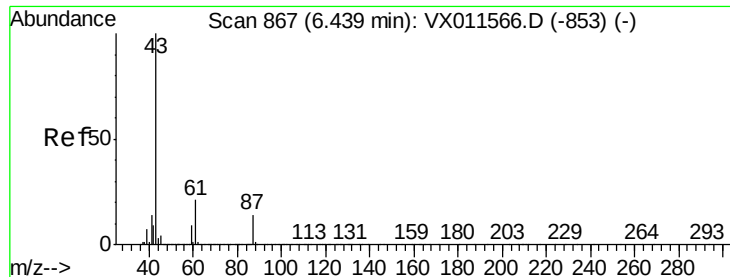
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	0.0	19.4	



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.873 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

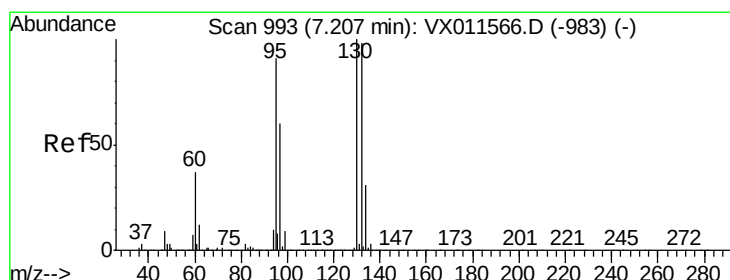
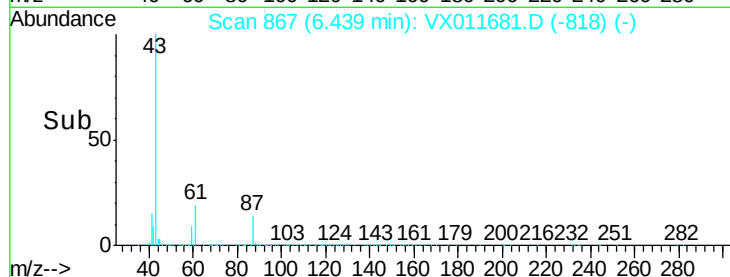
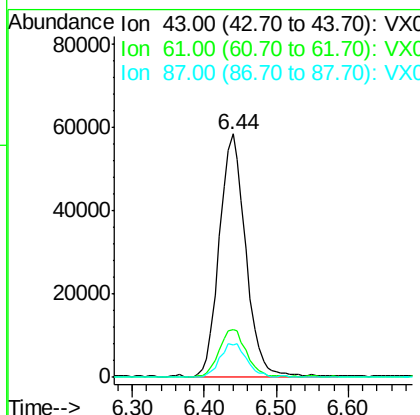
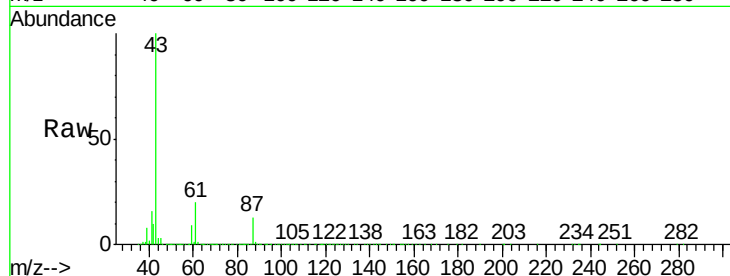
ClientSampleId :

VX0820WBS01

Tot Ion:	43	Resp:	148032
Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.6	24.8
87	14.4	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 20.030 ug/l

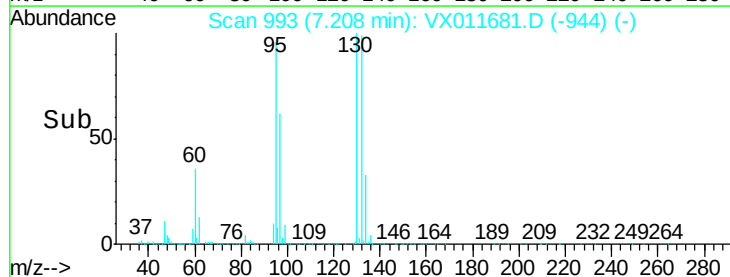
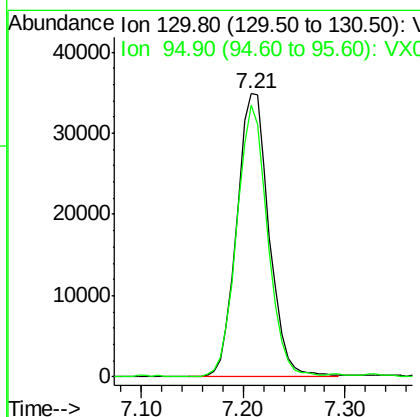
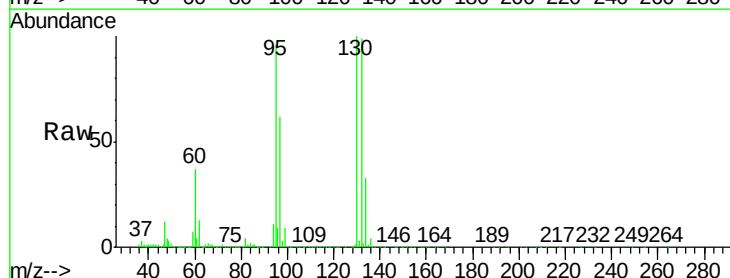
RT: 7.21 min Scan# 993

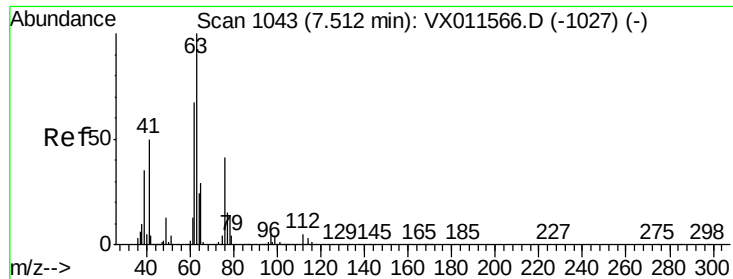
Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Tgt Ion:	130	Resp:	76627
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	181.4





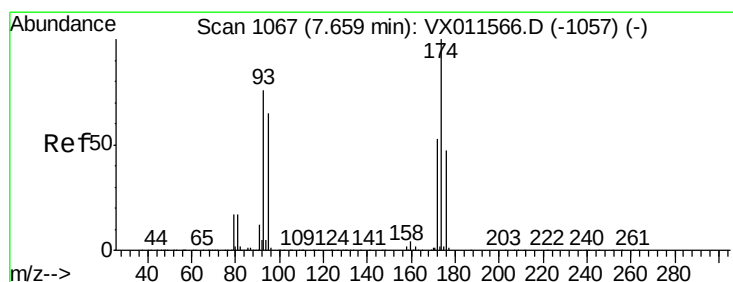
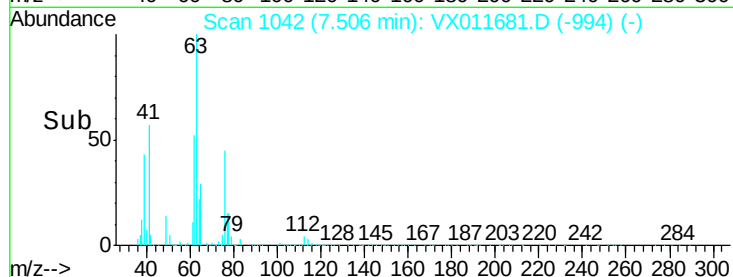
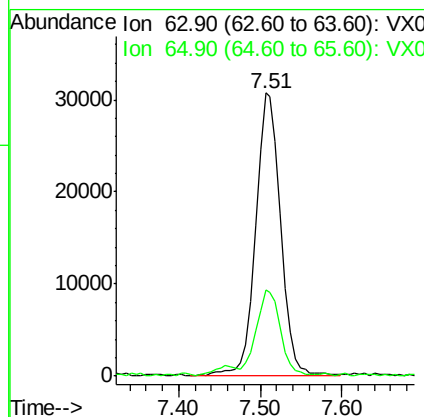
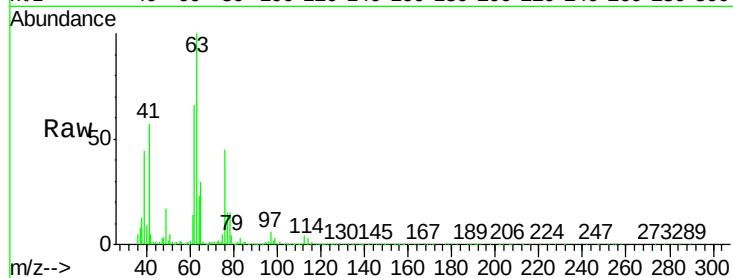
#45
 1,2-Dichloropropane
 Concen: 20.367 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011681.D
 Acq: 20 Aug 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	65503		
65	30.1		23.4	35.2

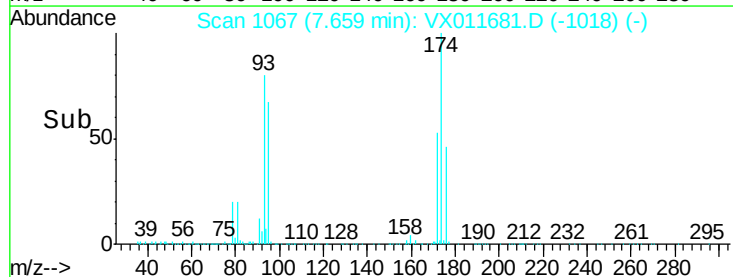
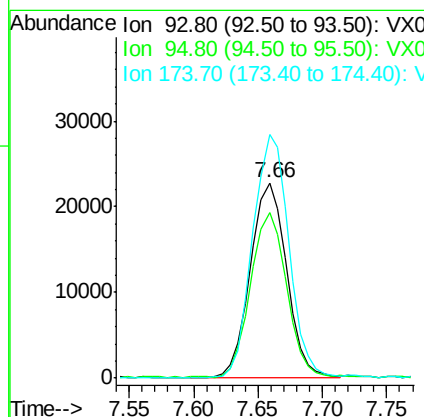
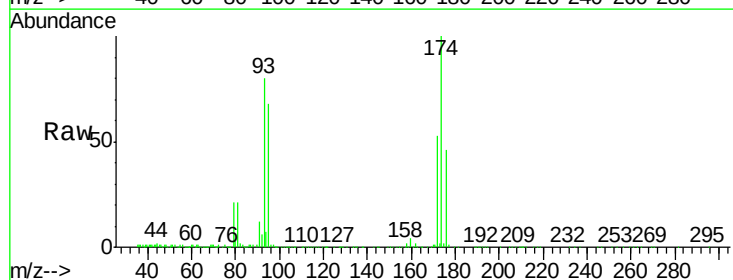
Manual Integrations
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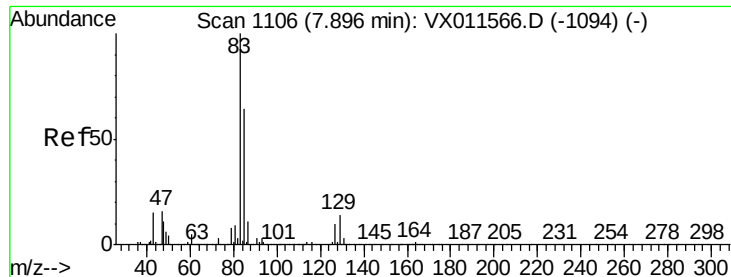
MMDadoda
 8/21/2019 8:33:14 AM



#46
 Dibromomethane
 Concen: 18.974 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011681.D
 Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	44344		
95	83.6		67.2	100.8
174	126.5		105.5	158.3





#47

Bromodichloromethane

Concen: 17.988 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

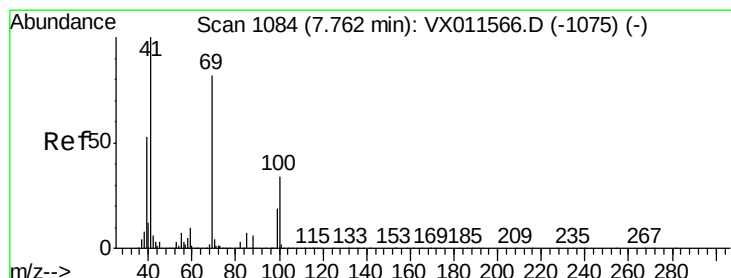
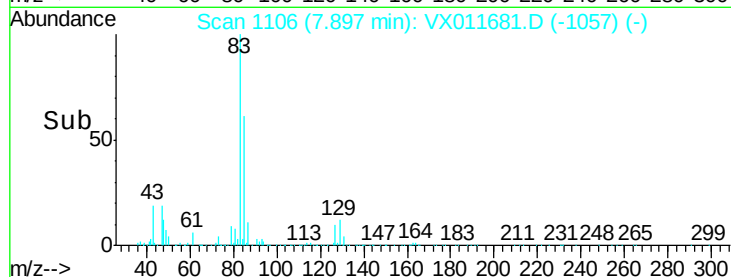
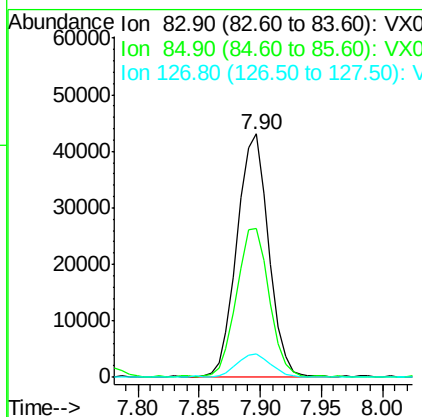
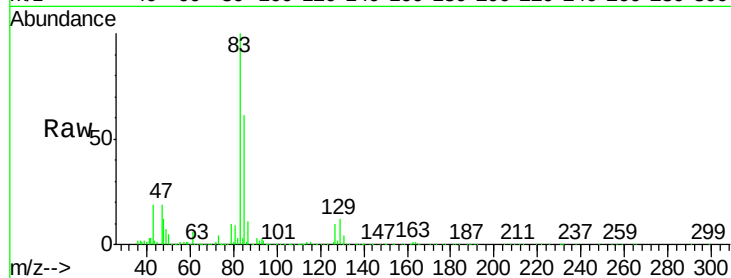
ClientSampleId :

VX0820WBS01

Tot Ion:	83	Resp:	77190
Ion	Ratio	Lower	Upper
83	100		
85	60.6	51.2	76.8
127	9.8	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.299 ug/l

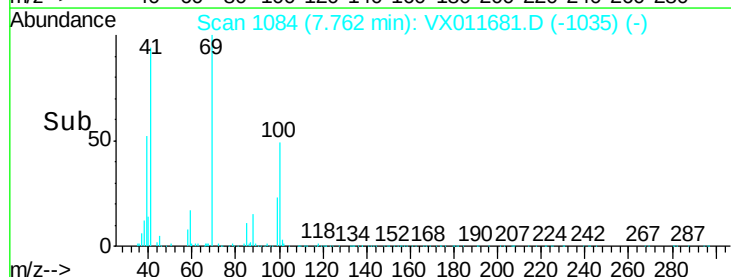
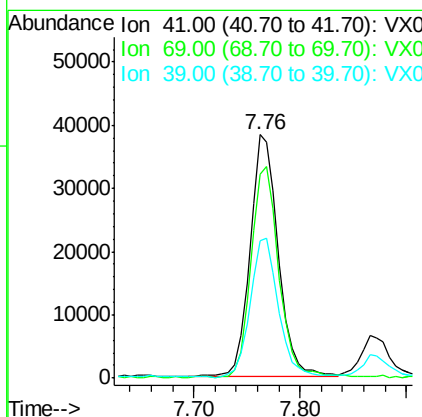
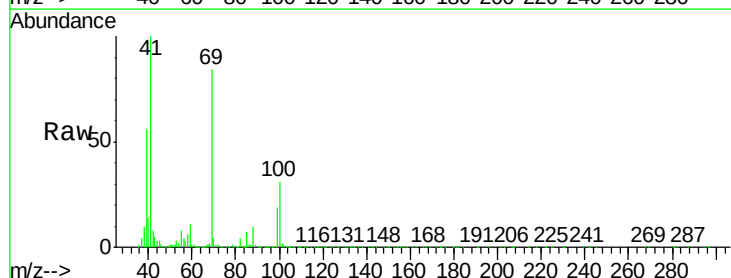
RT: 7.76 min Scan# 1084

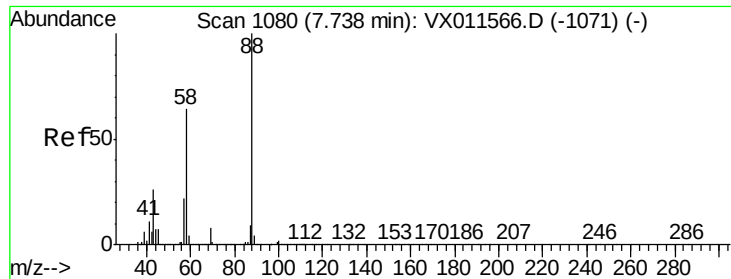
Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Tgt Ion:	41	Resp:	71189
Ion	Ratio	Lower	Upper
41	100		
69	87.8	67.9	101.9
39	59.0	41.6	62.4





#49

1,4-Dioxane

Concen: 357.956 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

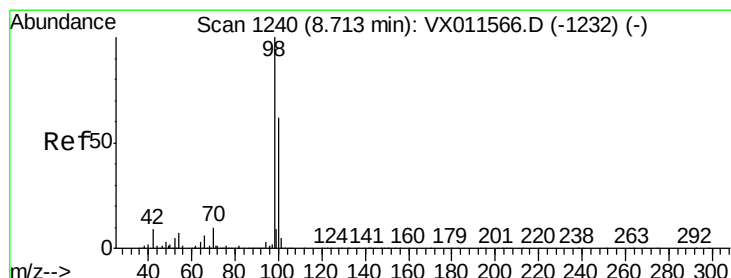
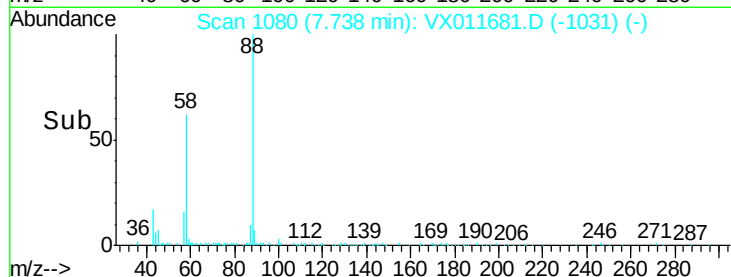
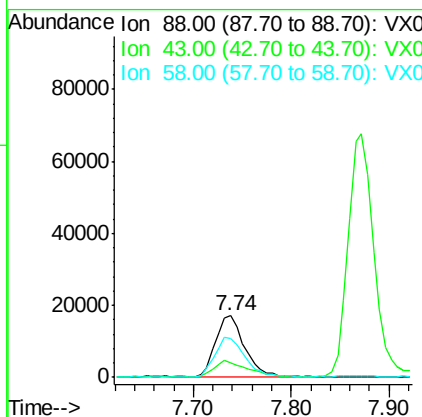
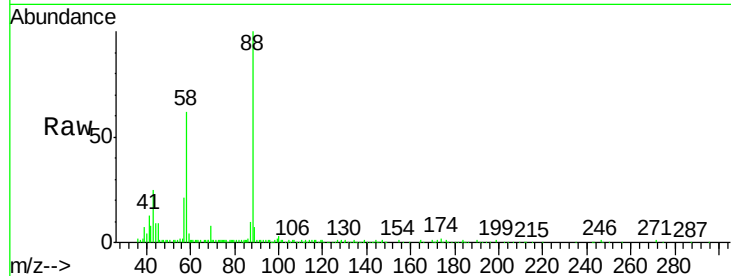
ClientSampleId :

VX0820WBS01

Tot Ion:	88	Resp:	35120
Ion Ratio	Lower	Upper	
88	100		
43	28.1	23.4	35.0
58	67.0	54.3	81.5

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#50

Toluene-d8

Concen: 47.231 ug/l

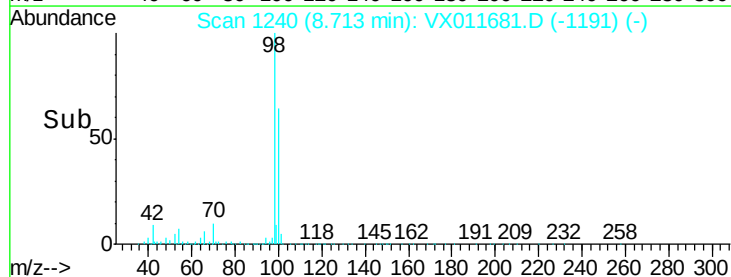
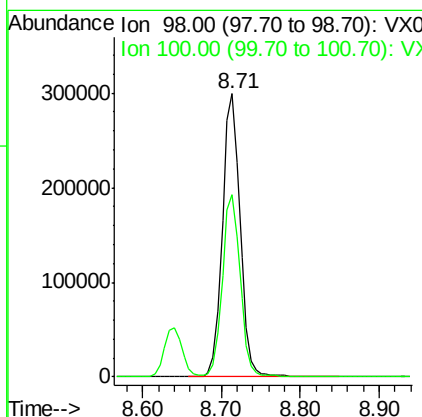
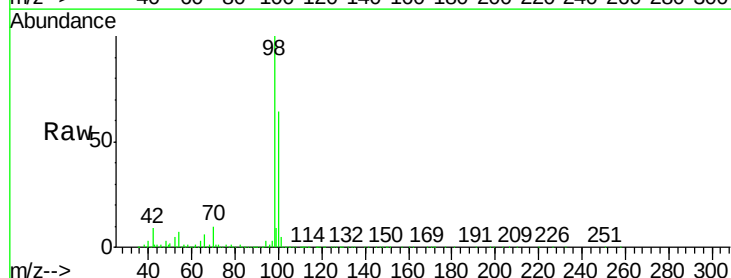
RT: 8.71 min Scan# 1240

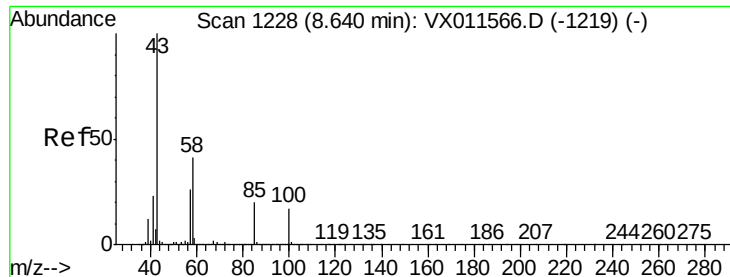
Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Tgt Ion:	98	Resp:	467184
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.4	78.6





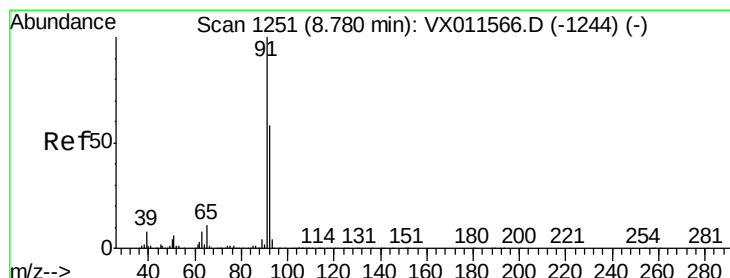
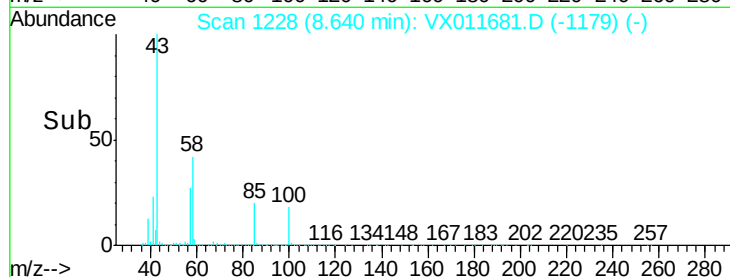
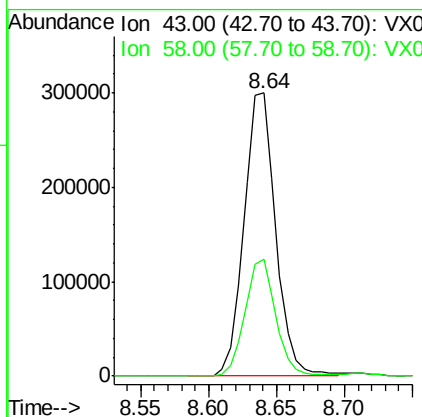
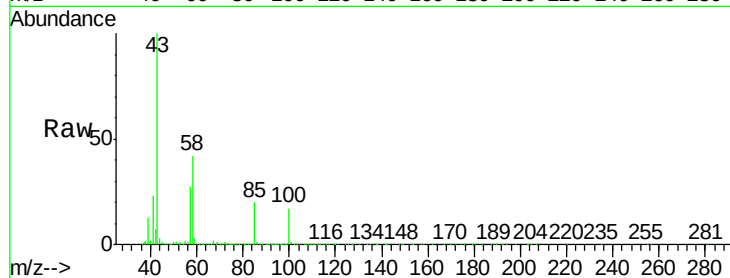
#51
4-Methyl-2-Pentanone
Concen: 100.153 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.8	47.6

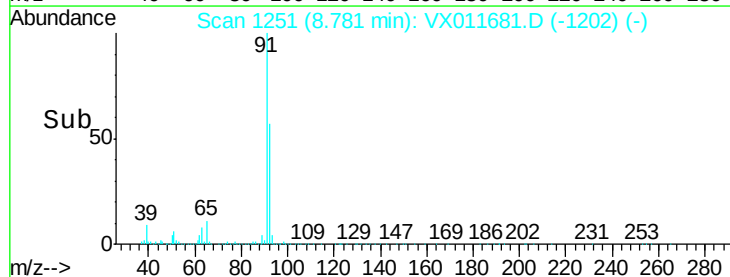
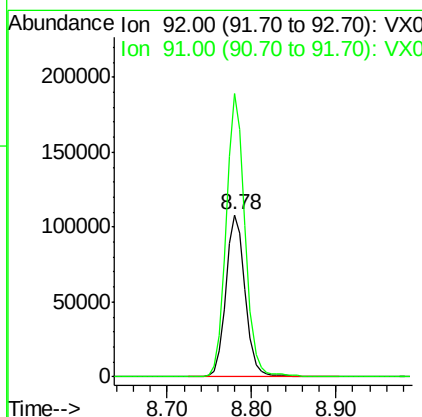
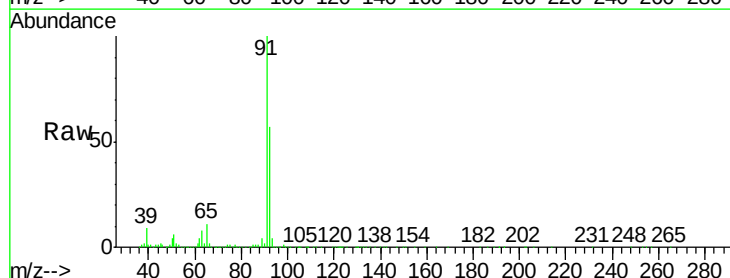
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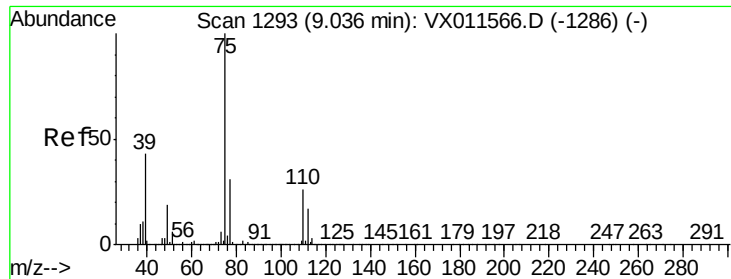
MMDadoda
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#52
Toluene
Concen: 20.789 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.6	138.0	207.0





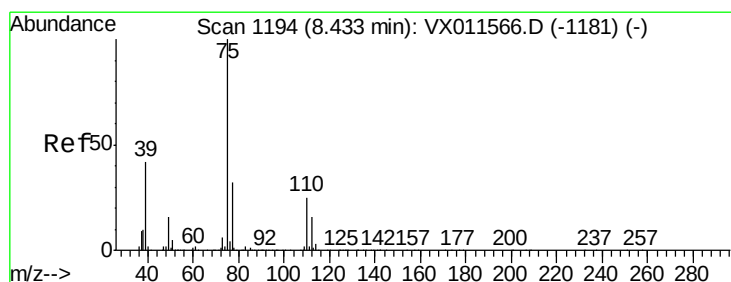
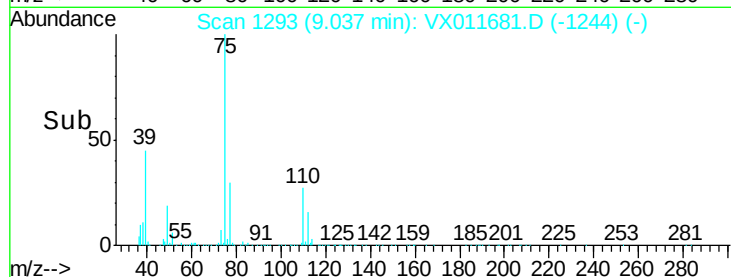
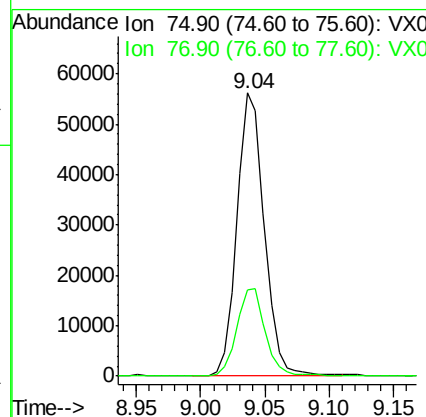
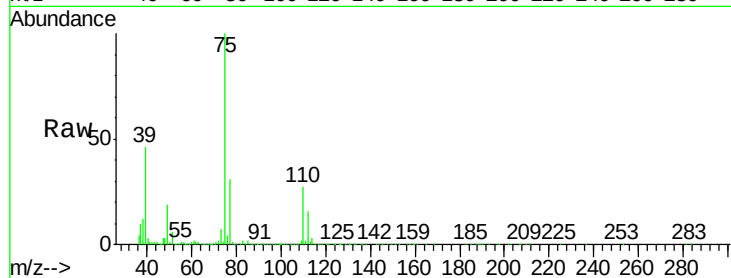
#53
t-1,3-Dichloropropene
Concen: 18.707 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.1	37.7

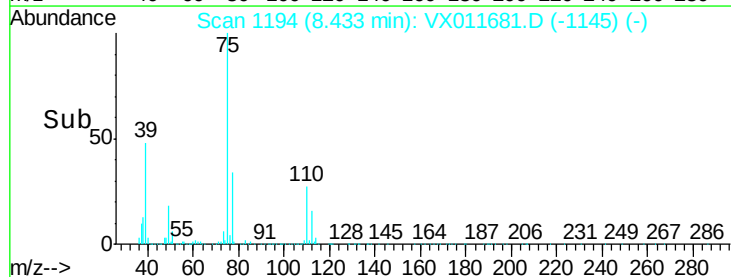
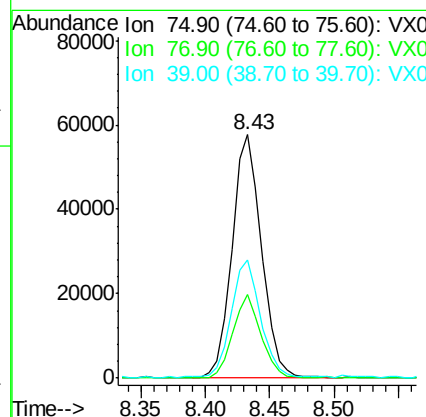
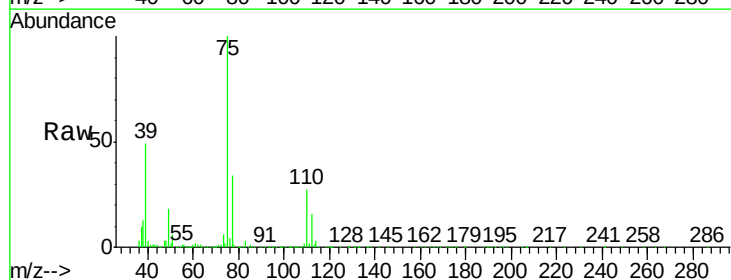
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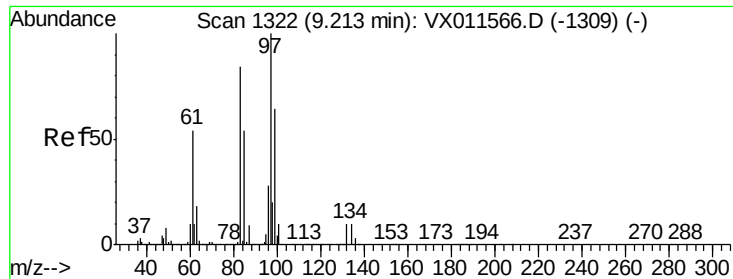
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.878 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.5	38.3
39	48.2	33.6	50.4





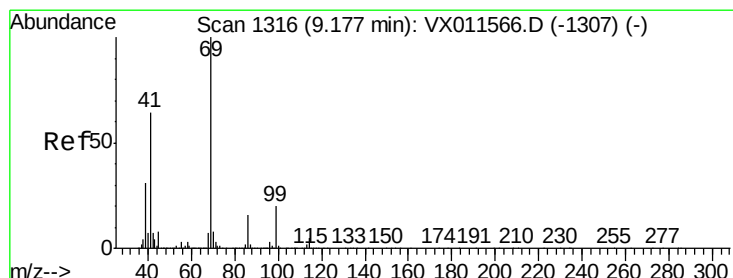
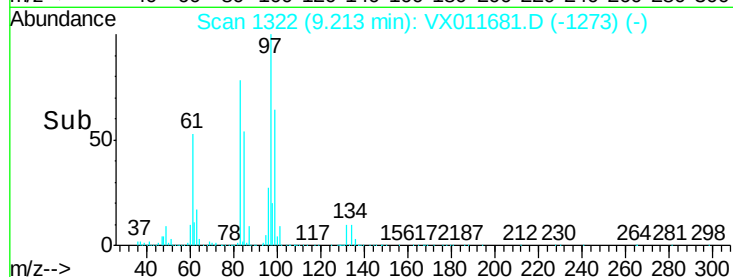
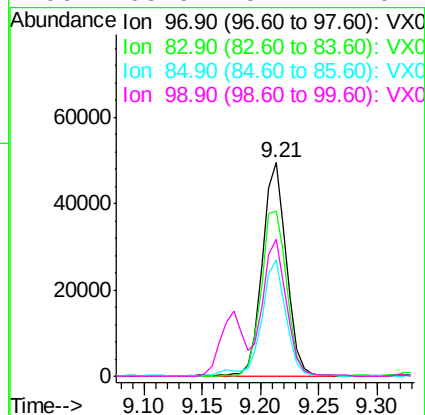
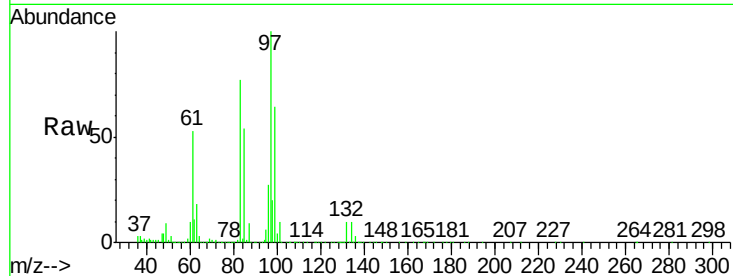
#55
 1,1,2-Trichloroethane
 Concen: 20.558 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011681.D
 Acq: 20 Aug 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		71825		
83	77.2	67.4	101.0		
85	54.1	43.4	65.2		
99	63.9	51.1	76.7		

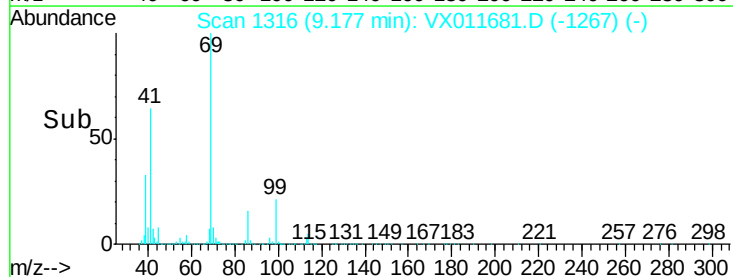
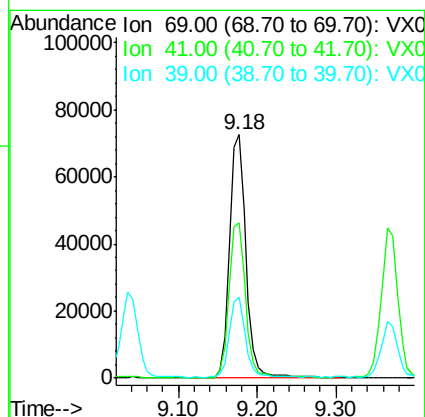
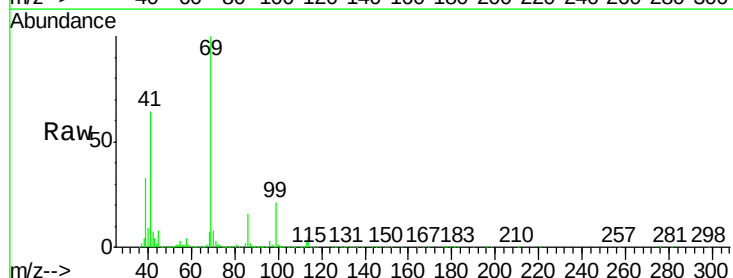
Manual Integrations
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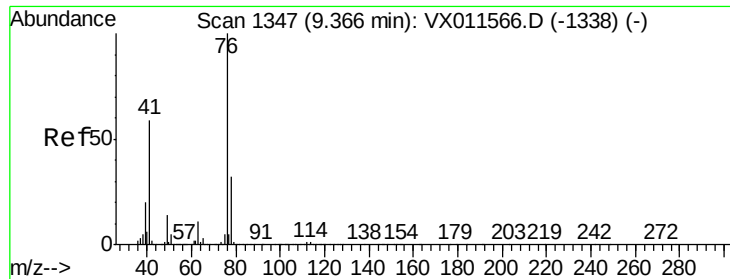
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 8/21/2019 8:33:14 AM



#56
 Ethyl methacrylate
 Concen: 20.458 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011681.D
 Acq: 20 Aug 2019 13:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		103883		
41	63.9	52.1	78.1		
39	32.5	25.4	38.0		





#57

1,3-Dichloropropane

Concen: 20.375 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion: 76 Resp: 113153

Ion Ratio Lower Upper

76 100

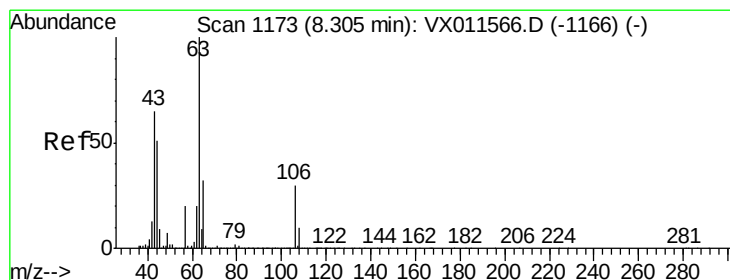
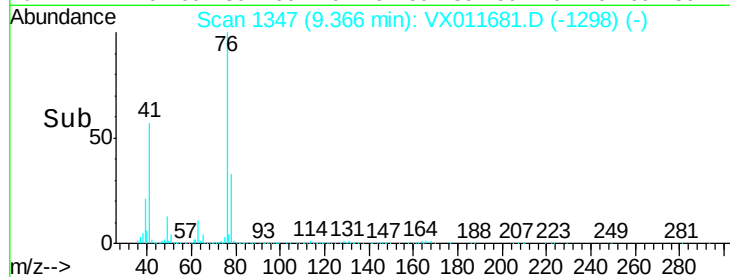
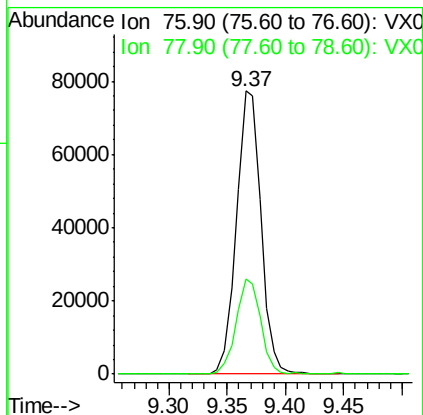
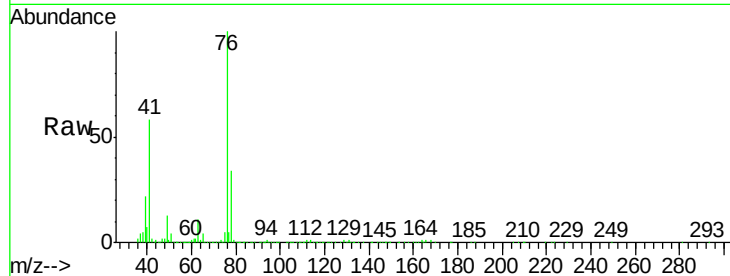
78 34.3 26.2 39.4

Manual Integrations

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8/21/2019 8:33:14 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.444 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011681.D

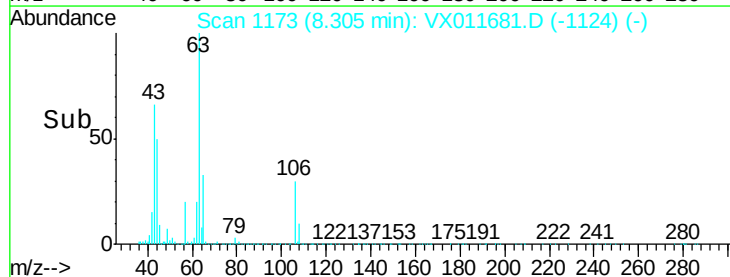
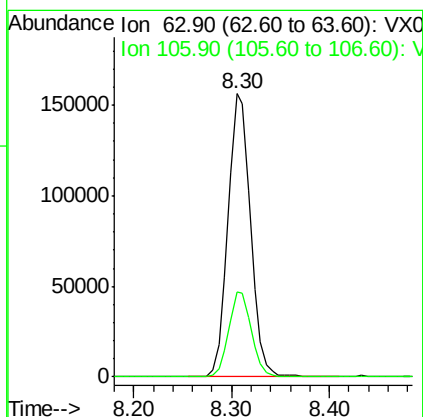
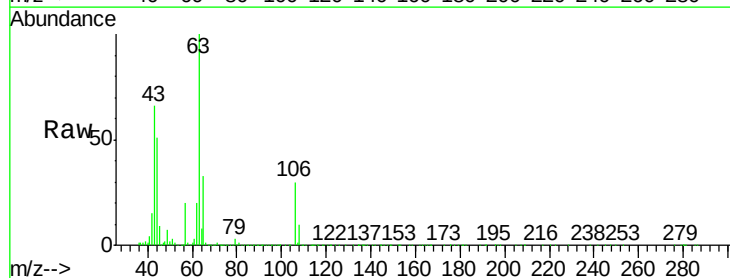
Acq: 20 Aug 2019 13:51

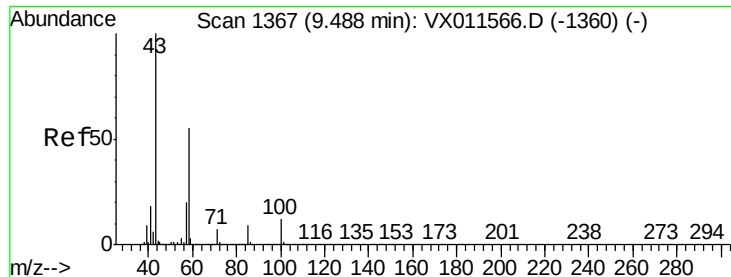
Tgt Ion: 63 Resp: 249078

Ion Ratio Lower Upper

63 100

106 30.5 24.7 37.1





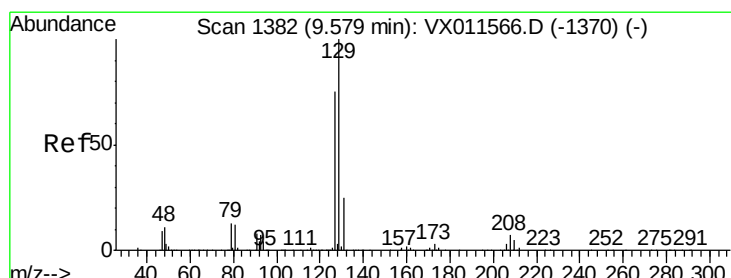
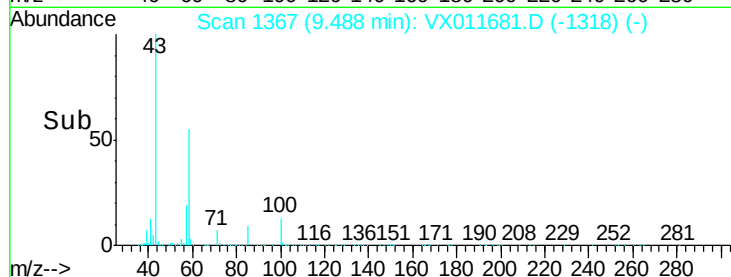
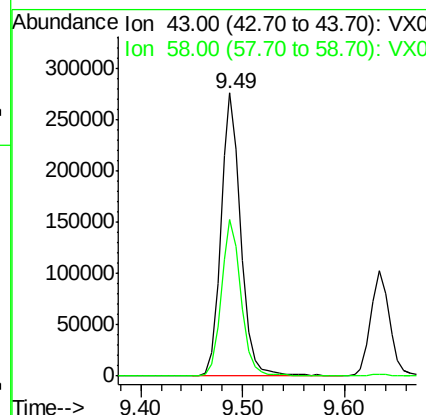
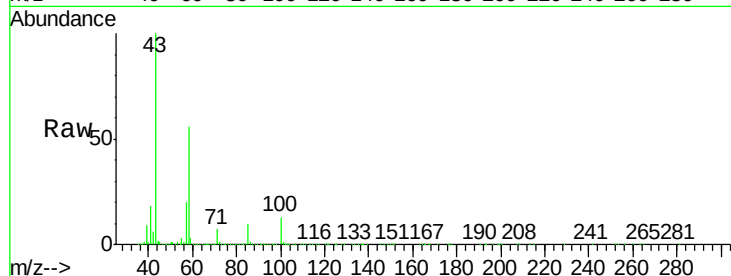
#59
2-Hexanone
Concen: 100.156 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion: 43 Resp: 376568
Ion Ratio Lower Upper
43 100
58 55.7 27.5 82.4

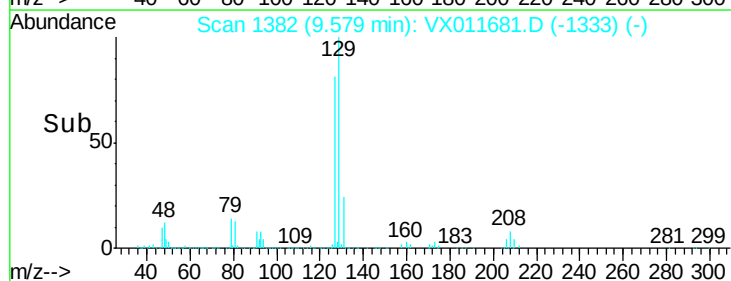
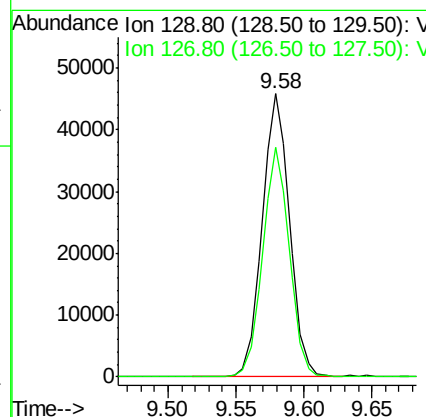
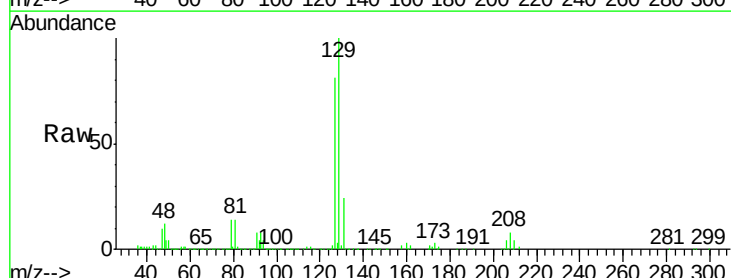
Manual Integrations
APPROVED

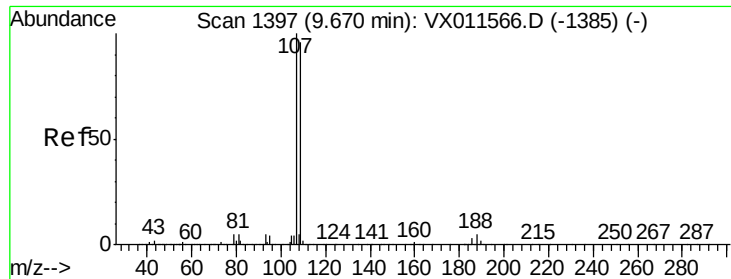
MMDadoda
8/21/2019 8:33:14 AM



#60
Dibromochloromethane
Concen: 17.888 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Tgt Ion: 129 Resp: 65113
Ion Ratio Lower Upper
129 100
127 79.0 38.0 114.1





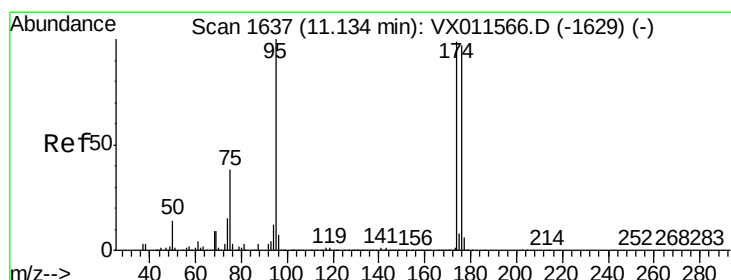
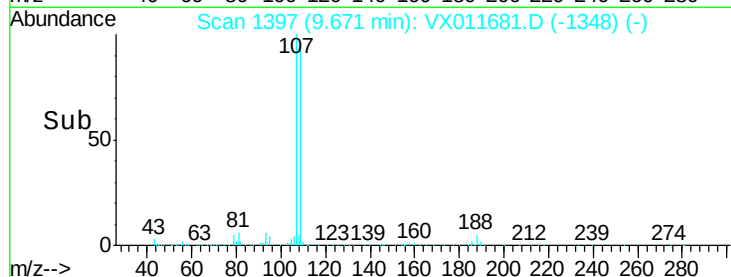
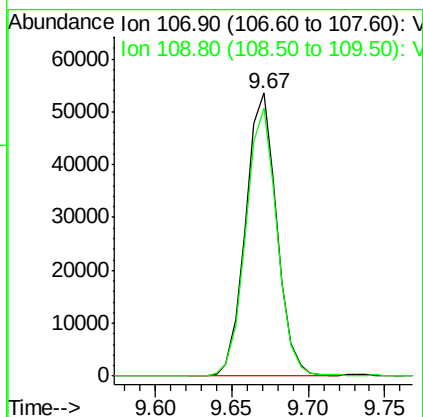
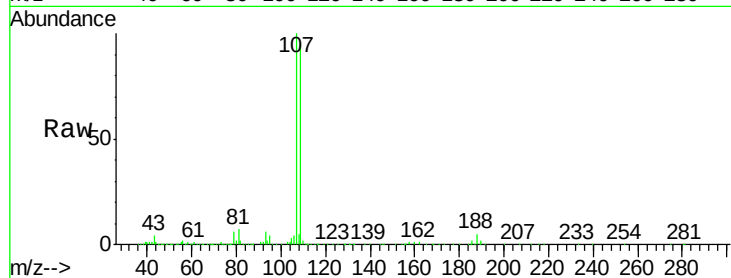
#61
 1,2-Dibromoethane
 Concen: 20.247 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX011681.D
 Acq: 20 Aug 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	76.2	114.2

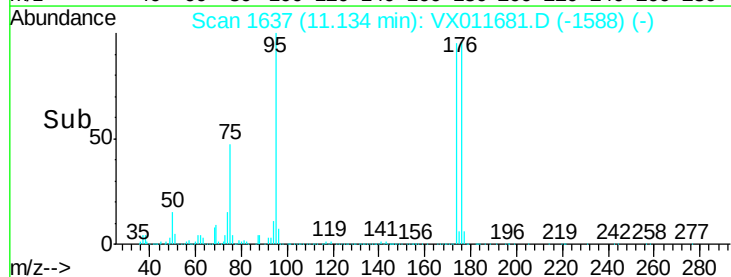
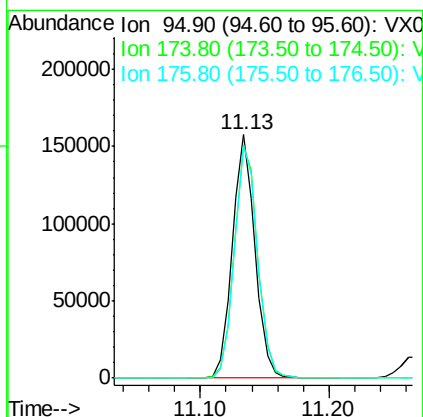
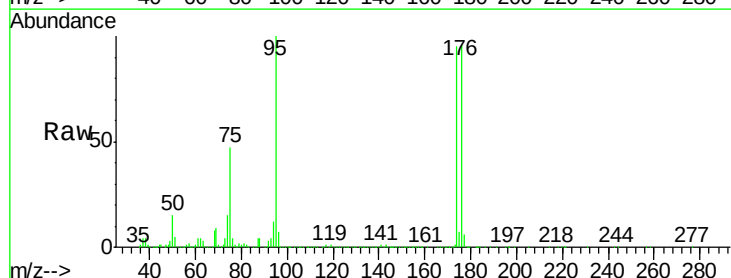
Manual Integrations
 APPROVED

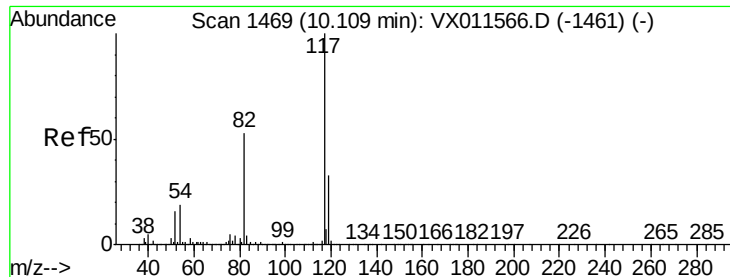
MMDadoda
 8/21/2019 8:33:14 AM



#62
 4-Bromofluorobenzene
 Concen: 46.142 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX011681.D
 Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.9	0.0	200.6
176	98.1	0.0	196.6





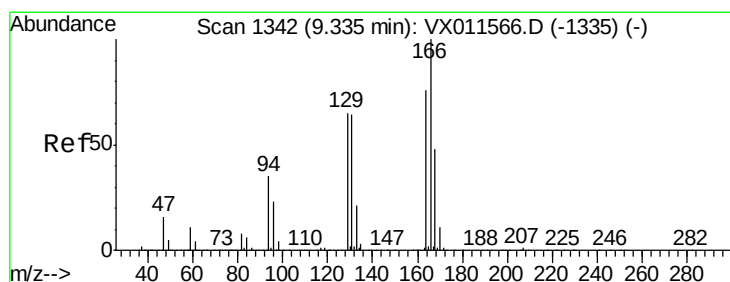
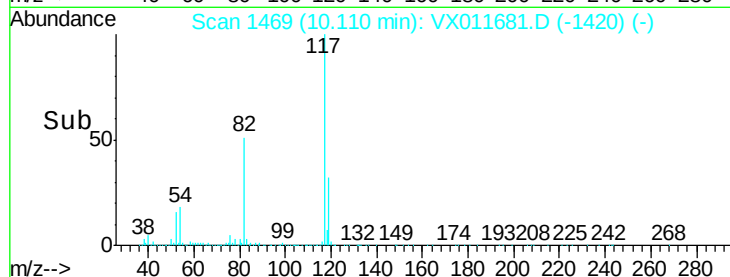
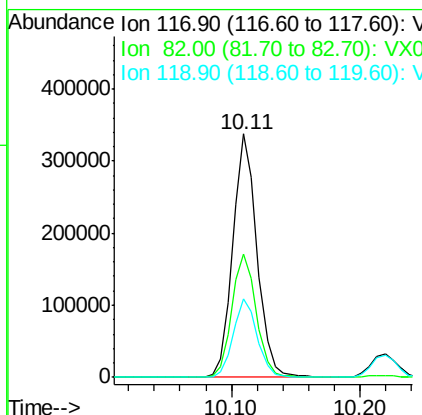
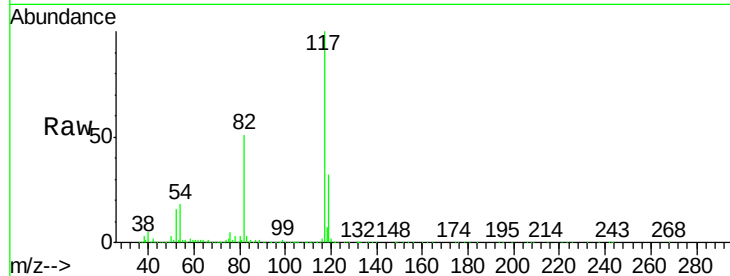
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	441750		
82	50.9	42.0	63.0	
119	32.1	26.5	39.7	

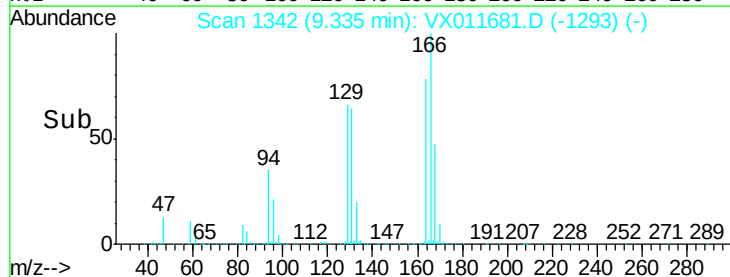
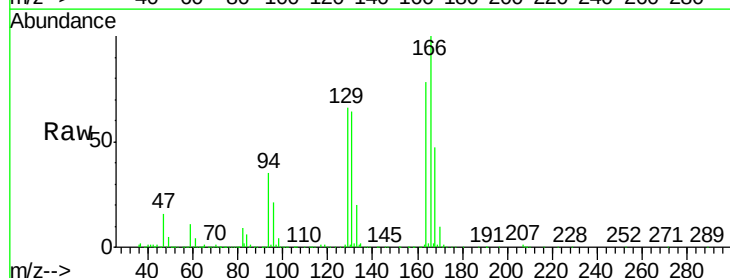
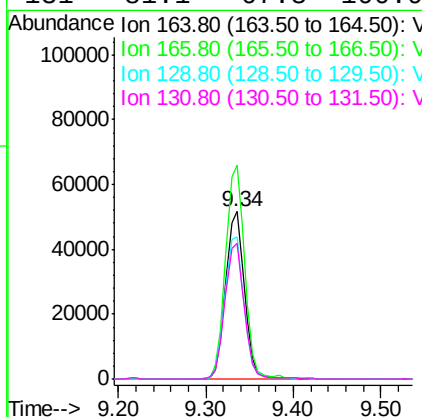
Manual Integrations
APPROVED

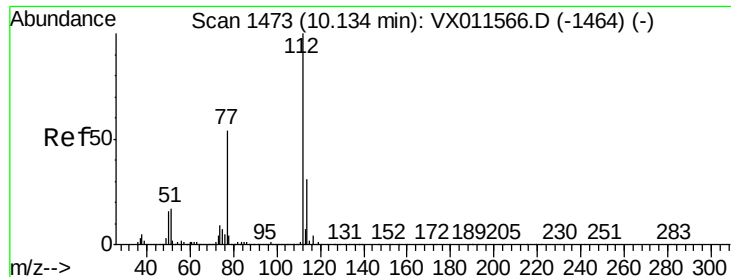
MMDadoda
8/21/2019 8:33:14 AM



#64
Tetrachloroethene
Concen: 21.346 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	77367		
166	127.7	104.7	157.1	
129	84.7	68.2	102.4	
131	81.1	67.3	100.9	





#65

Chlorobenzene

Concen: 20.409 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion:112 Resp: 192294

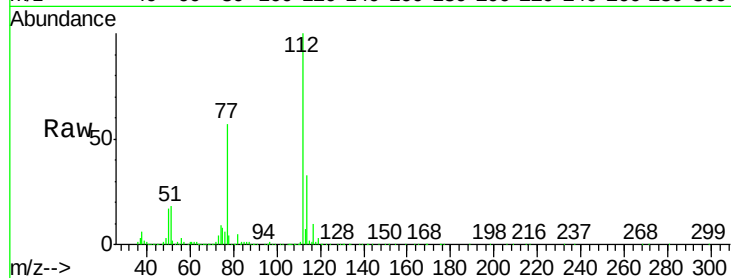
Ion Ratio Lower Upper

112 100

114 32.6 25.0 37.6

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

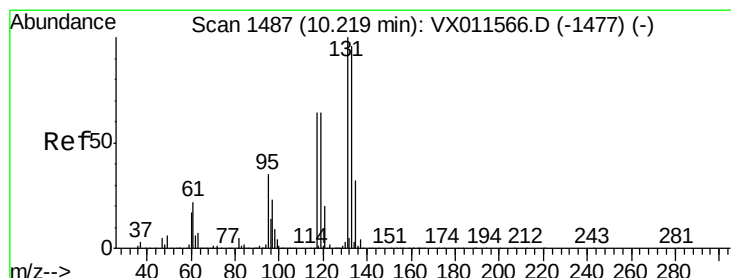
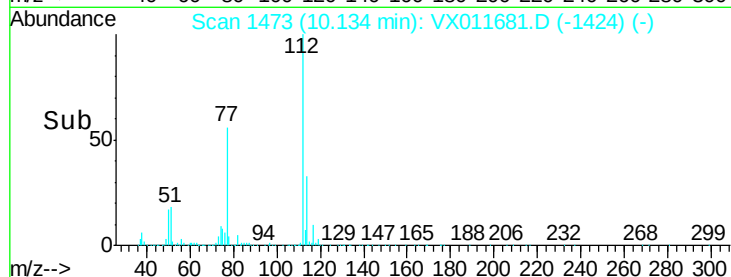
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.776 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

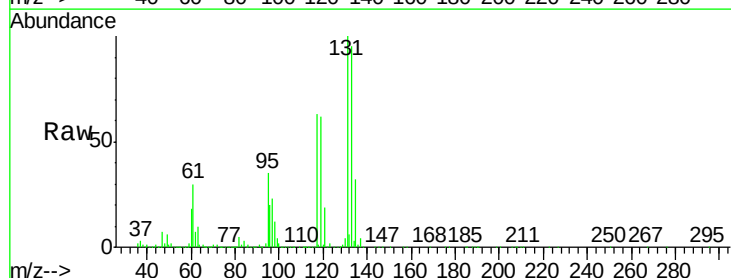
Tgt Ion:131 Resp: 69644

Ion Ratio Lower Upper

131 100

133 94.3 48.1 144.4

119 60.7 31.3 93.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

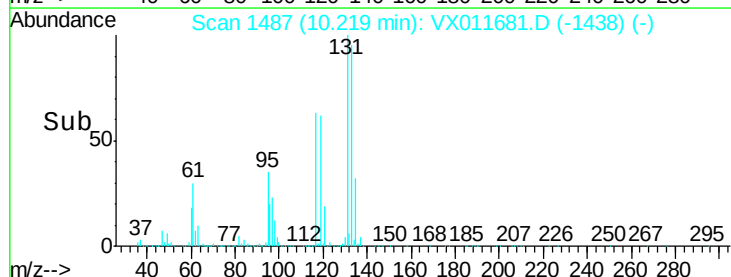
150000

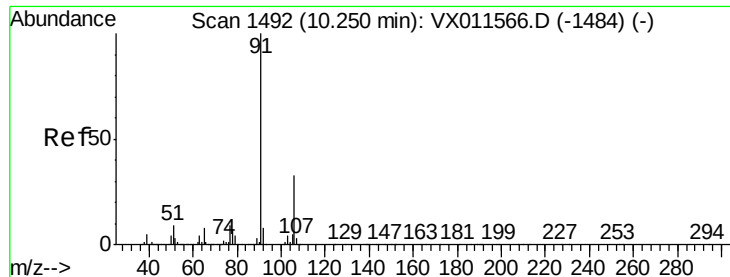
100000

50000

0

Time-->





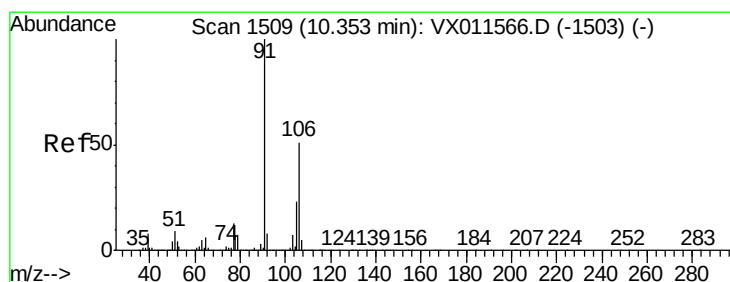
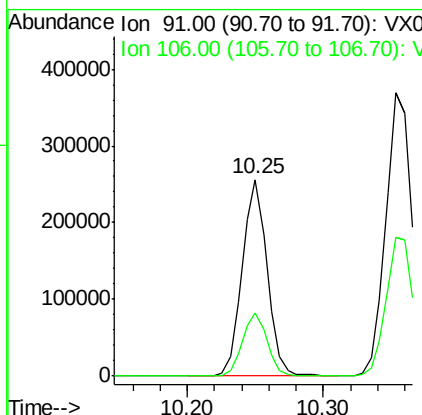
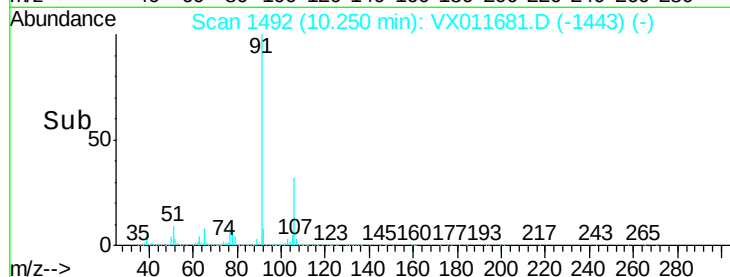
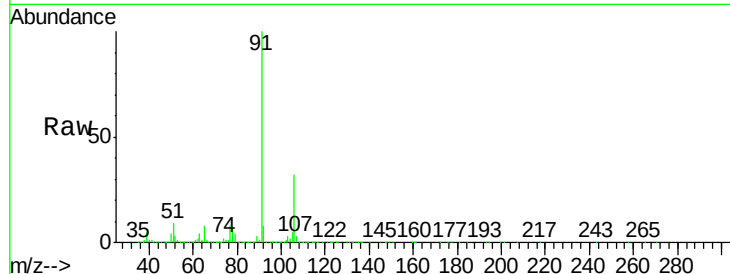
#67
Ethyl Benzene
Concen: 20.811 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.3	26.0	39.0

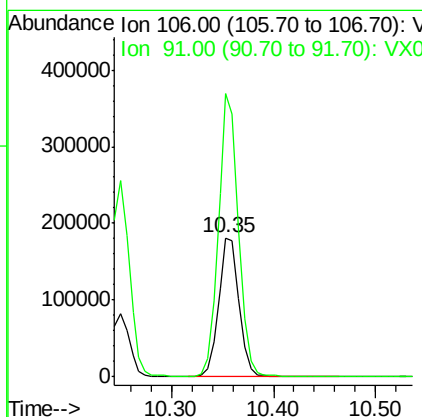
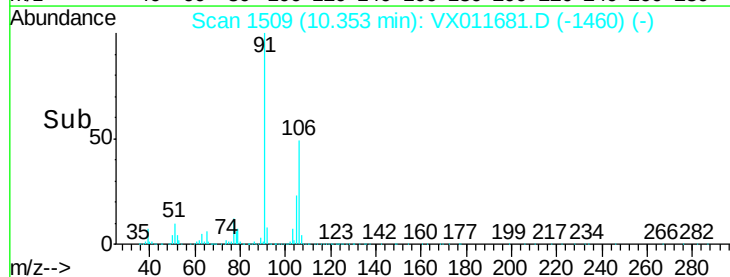
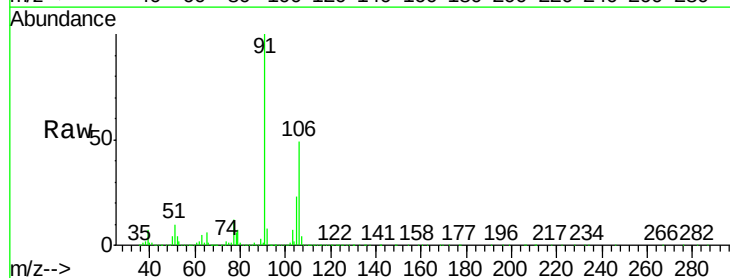
Manual Integrations
APPROVED

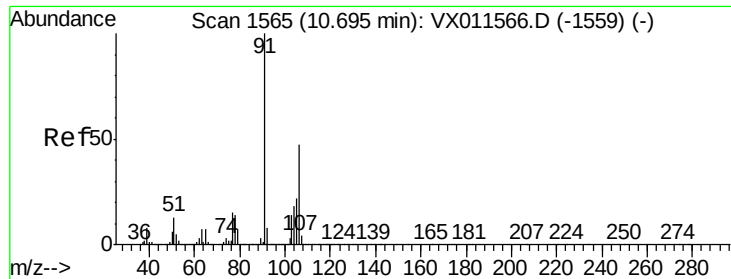
MMDadoda
8/21/2019 8:33:14 AM



#68
m/p-Xylenes
Concen: 42.035 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.1	156.0	234.0





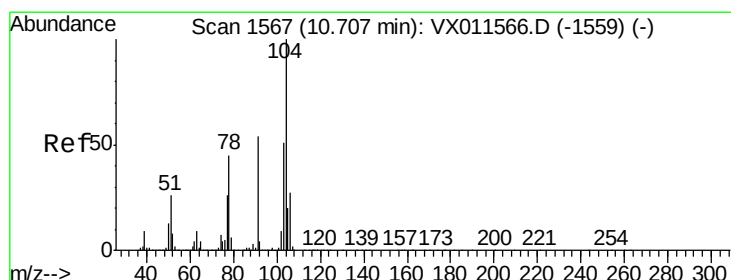
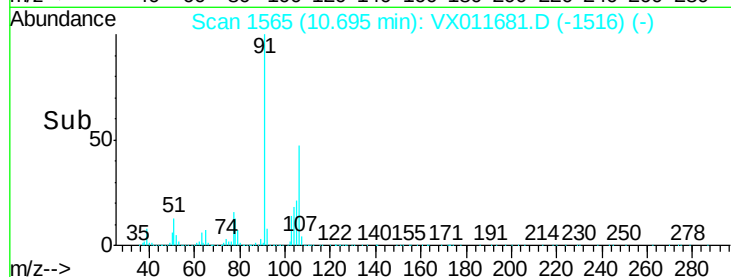
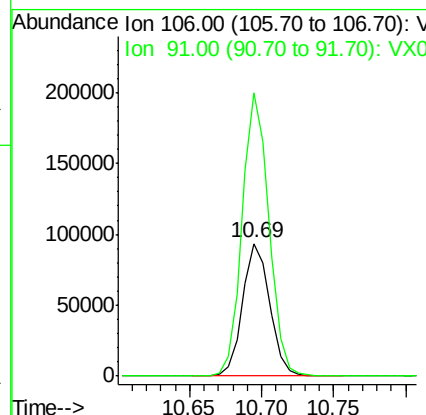
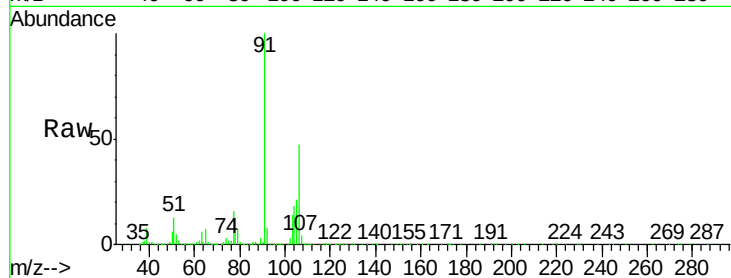
#69
o-Xylene
Concen: 20.752 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.0	105.5	316.4

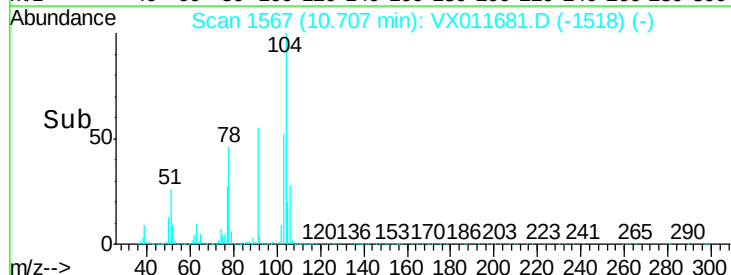
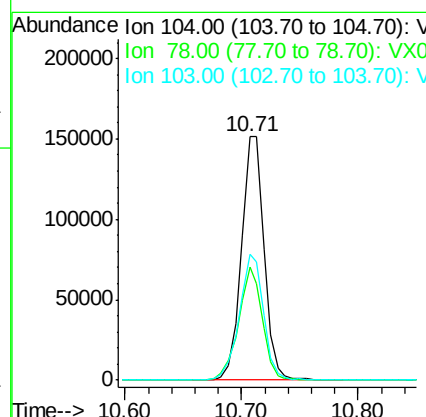
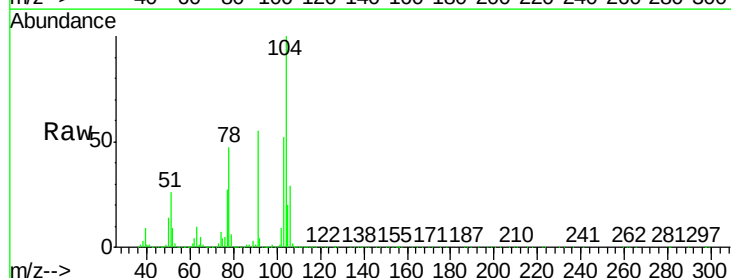
Manual Integrations
APPROVED

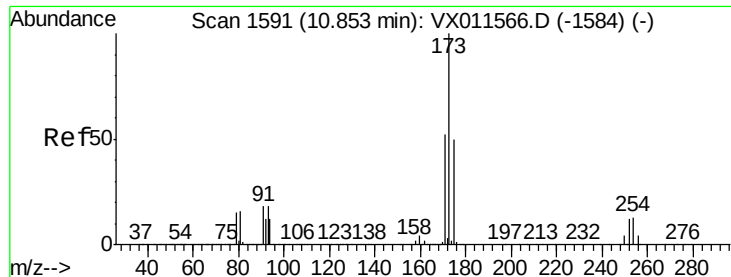
MMDadoda
8/21/2019 8:33:14 AM



#70
Styrene
Concen: 20.684 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	38.2	57.4
103	55.4	43.6	65.4





#71

Bromoform

Concen: 16.530 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

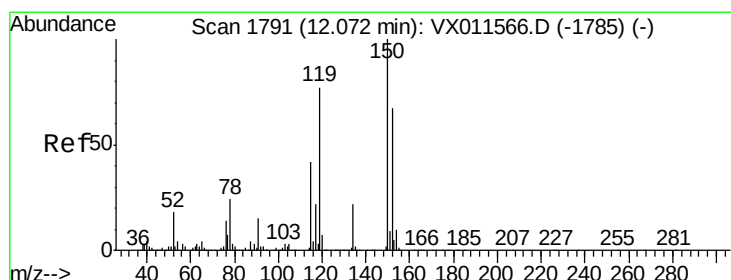
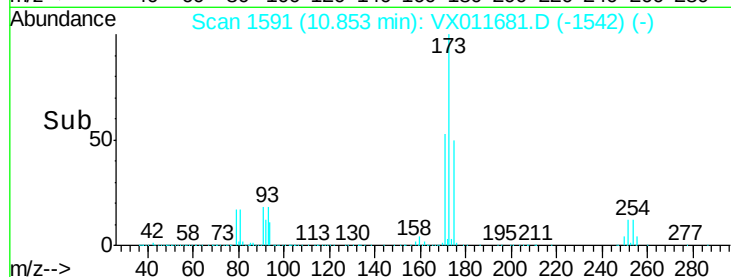
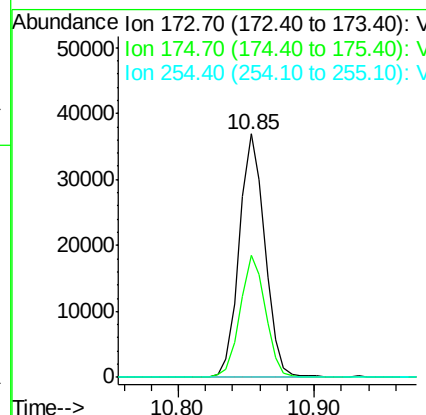
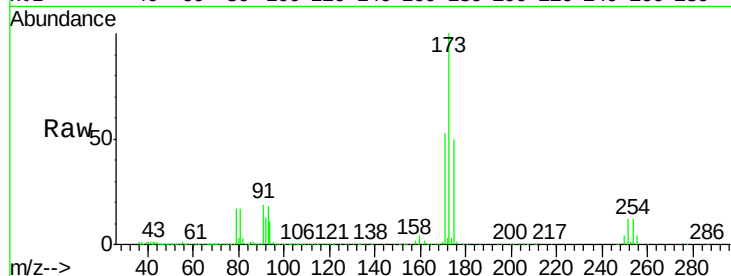
ClientSampled :

VX0820WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.9	74.7
254	0.3	0.1	0.1#

Manual Integrations
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8/21/2019 8:33:14 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

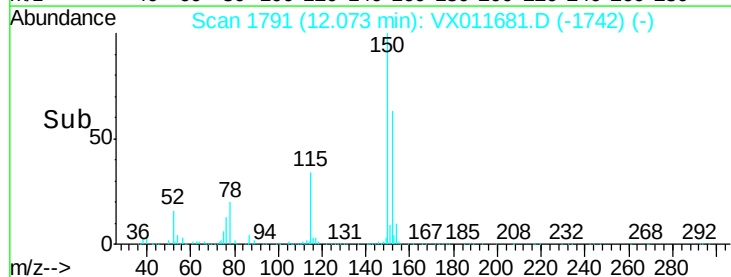
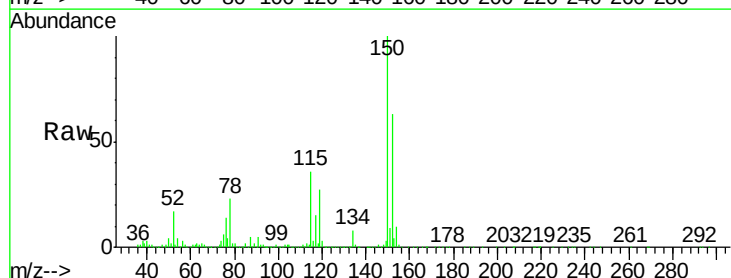
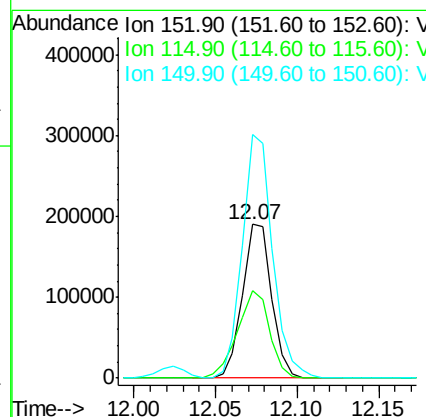
RT: 12.07 min Scan# 1791

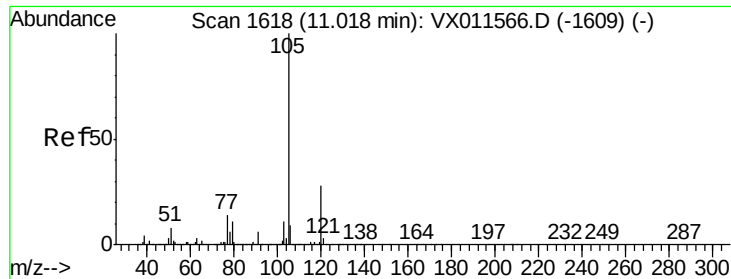
Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.8	37.3	111.9
150	164.5	0.0	346.2





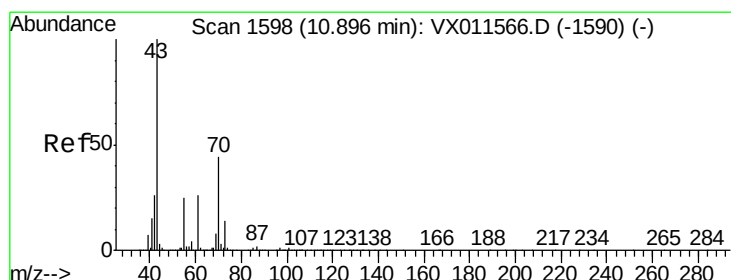
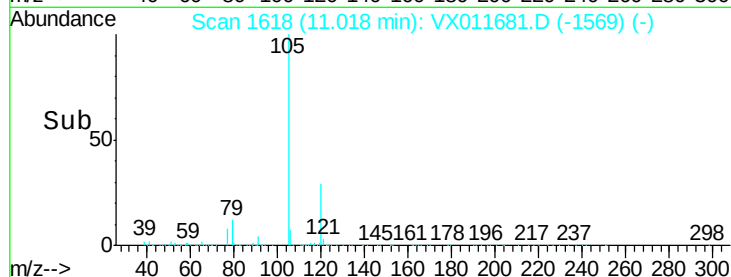
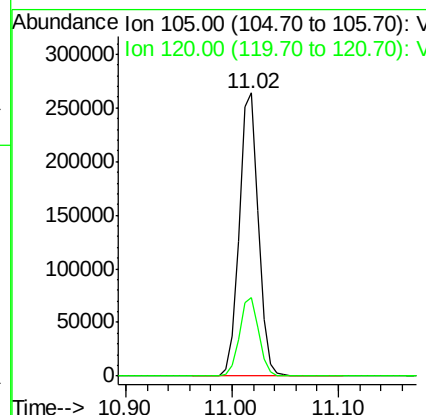
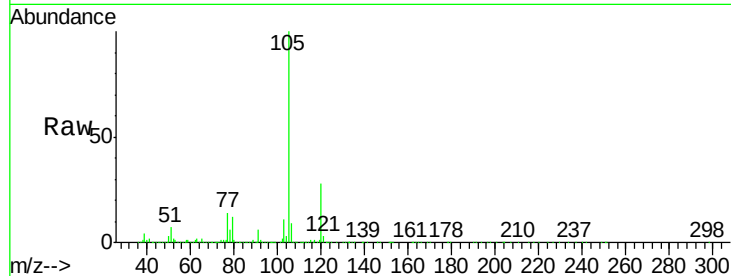
#73
Isopropylbenzene
Concen: 21.606 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.0	14.0	41.9

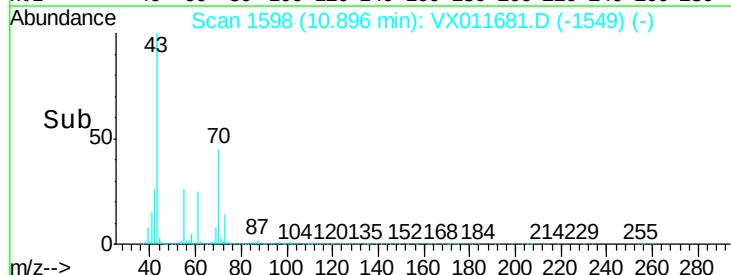
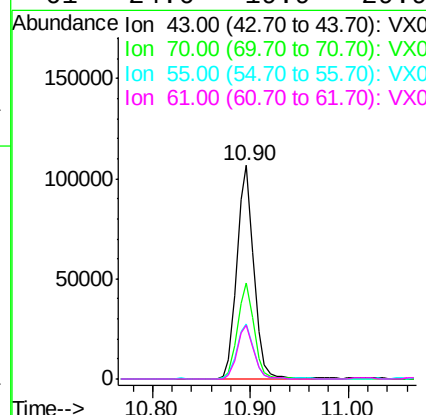
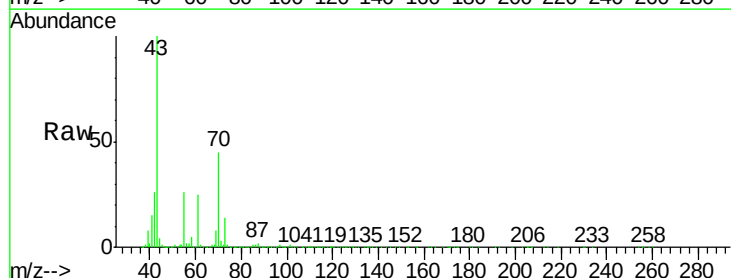
Manual Integrations
APPROVED

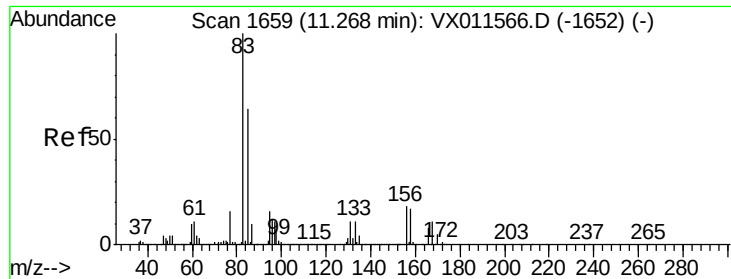
MMDadoda
8/21/2019 8:33:14 AM



#74
N-ethyl acetate
Concen: 19.533 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.7	52.1
55	25.8	19.6	29.4
61	24.6	19.9	29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.938 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

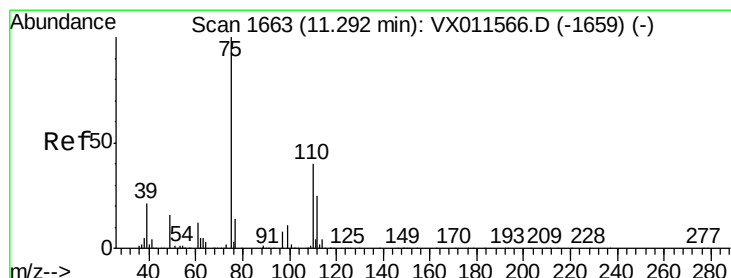
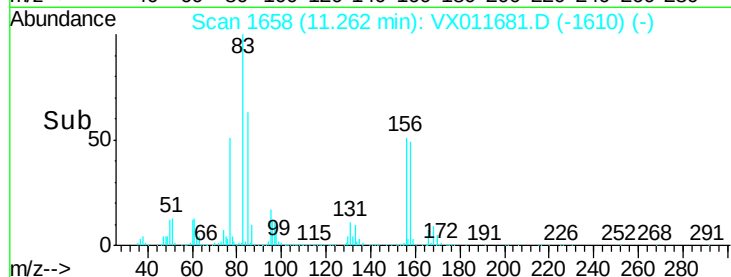
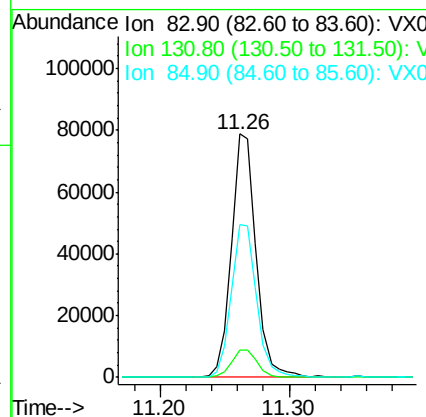
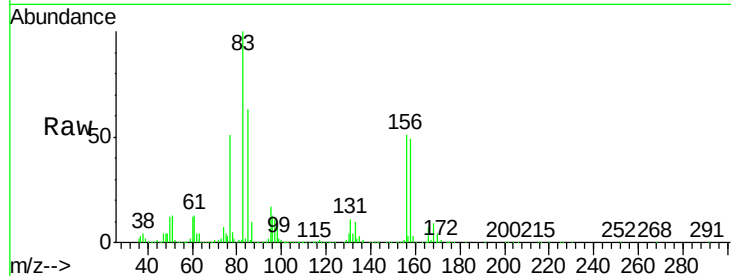
ClientSampled :

VX0820WBS01

Tot Ion:	83	Resp:	105762
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.8	17.3
85	64.5	31.9	95.9

Manual Integrations
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8/21/2019 8:33:14 AM



#76

1,2,3-Trichloropropane

Concen: 20.430 ug/l m

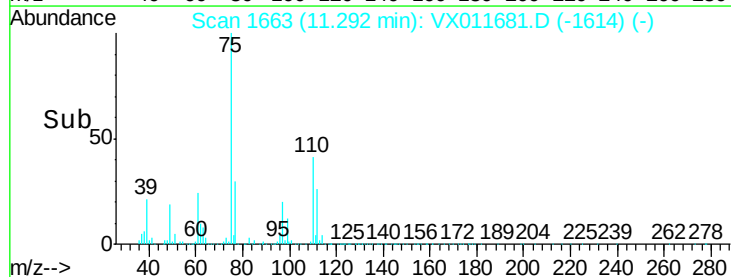
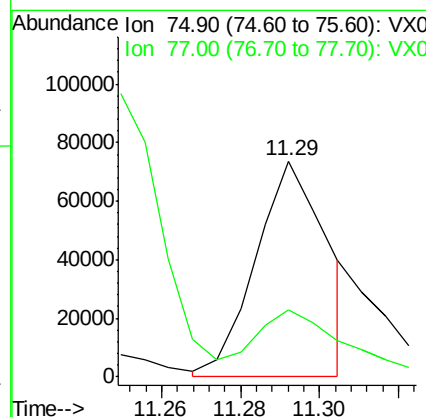
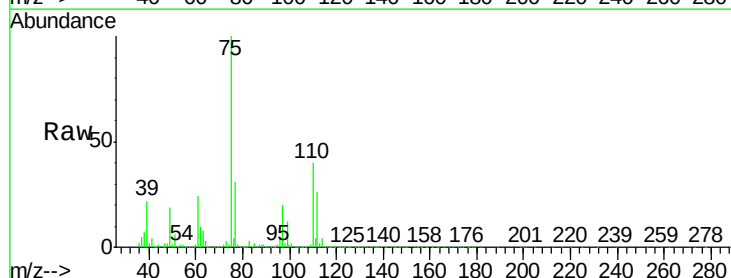
RT: 11.29 min Scan# 1663

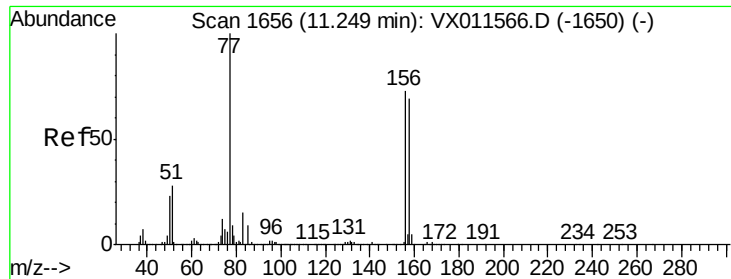
Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Tgt Ion:	75	Resp:	92063
Ion Ratio	Lower	Upper	
75	100		
77	39.5	20.9	62.8





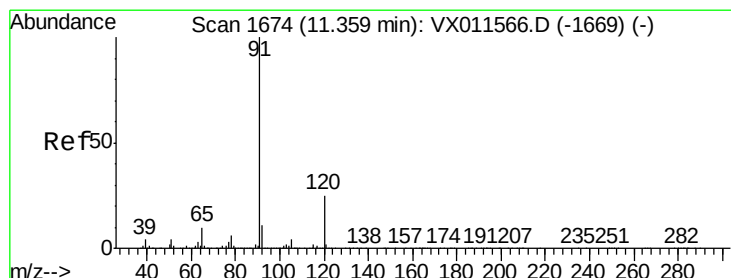
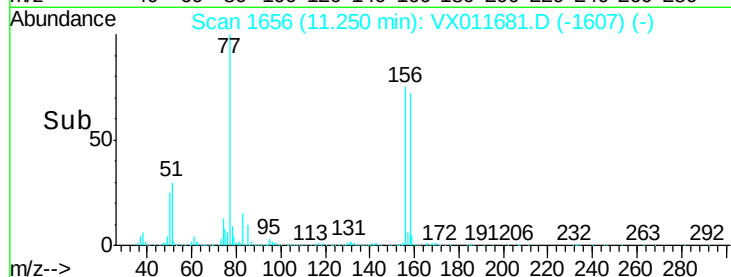
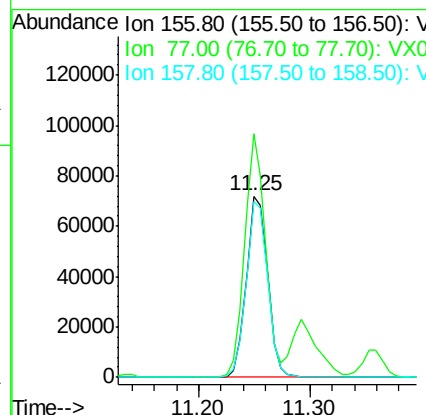
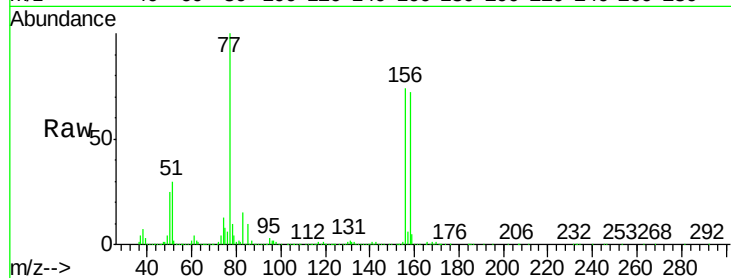
#77
Bromobenzene
Concen: 20.879 ug/l
RT: 11.25 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	129.3	64.6	193.9
158	97.7	48.4	145.3

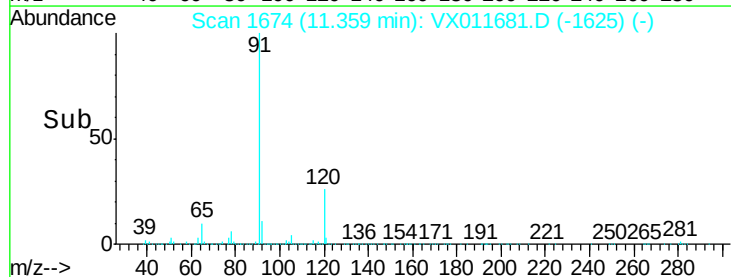
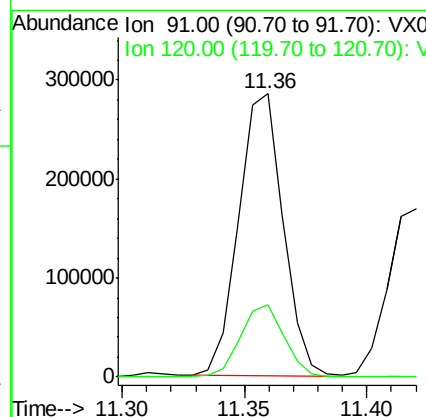
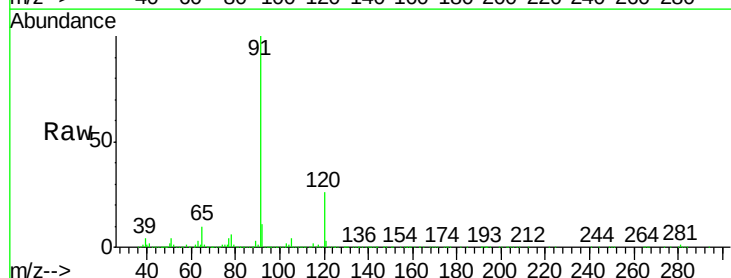
Manual Integrations
APPROVED

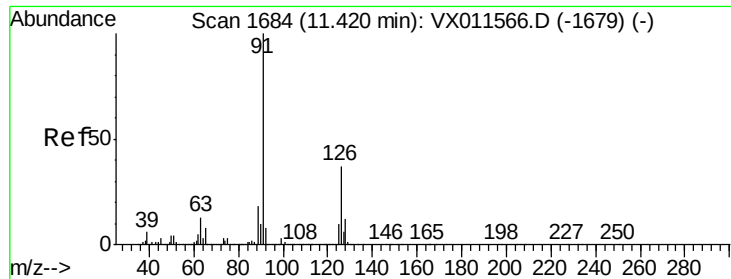
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#78
n-propylbenzene
Concen: 21.665 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.2	12.6	37.6





#79

2-Chlorotoluene

Concen: 21.429 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion: 91 Resp: 218799

Ion Ratio Lower Upper

91 100

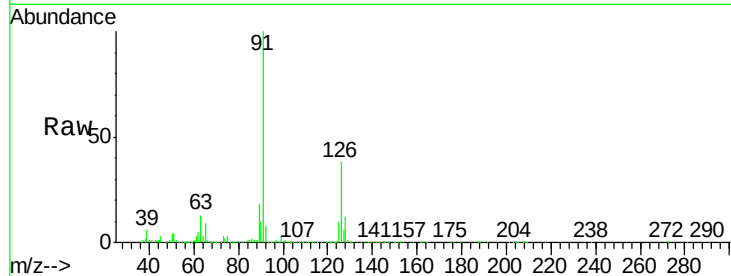
126 37.5 18.4 55.0

Manual Integrations

APPROVED

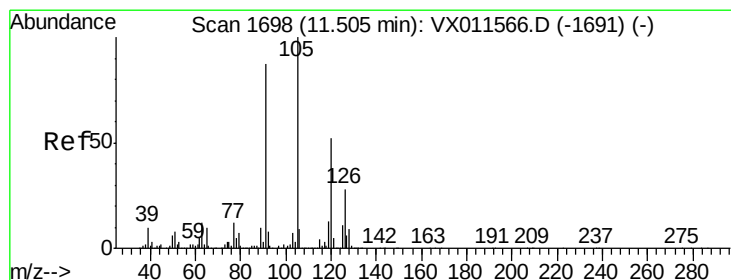
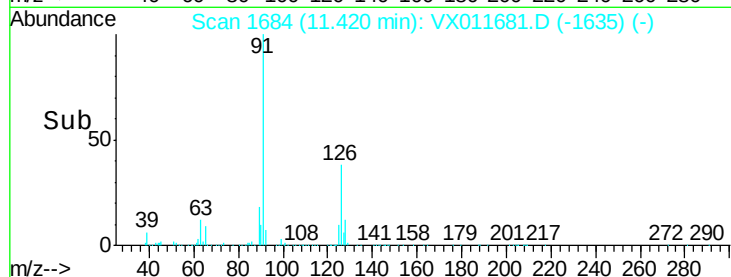
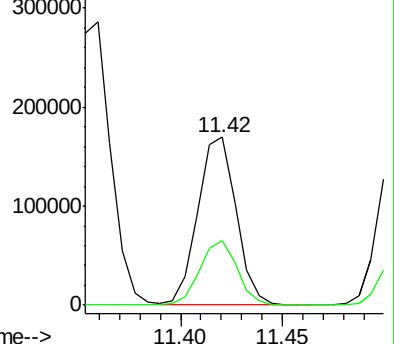
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.790 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011681.D

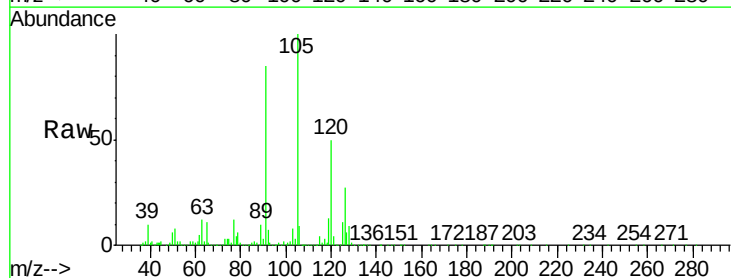
Acq: 20 Aug 2019 13:51

Tgt Ion:105 Resp: 282256

Ion Ratio Lower Upper

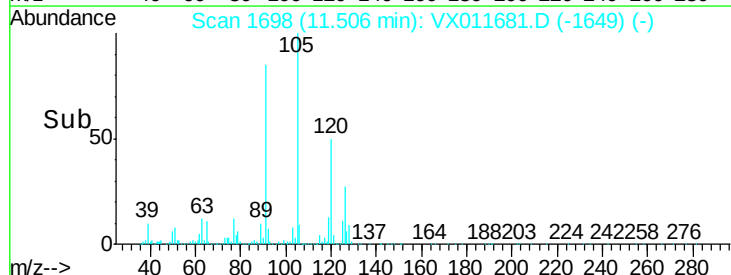
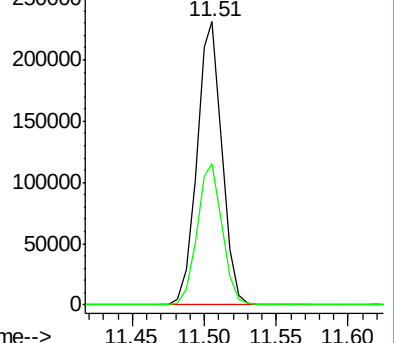
105 100

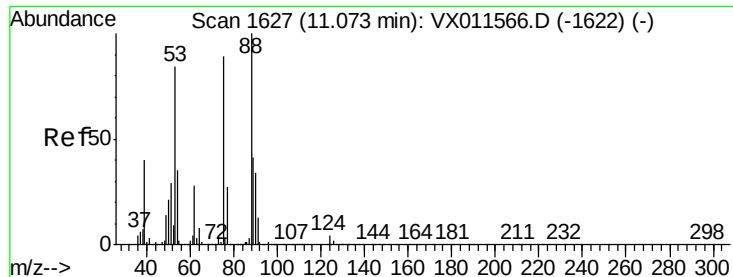
120 49.9 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





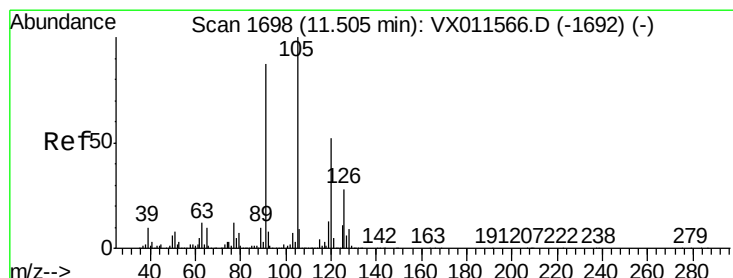
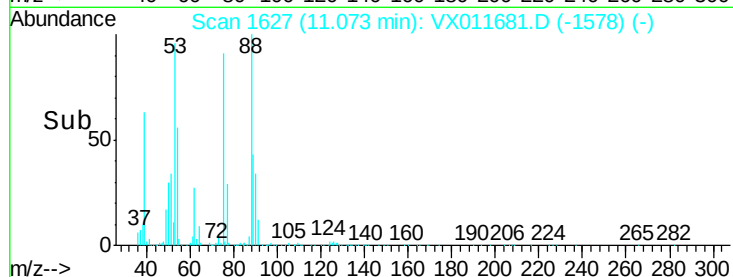
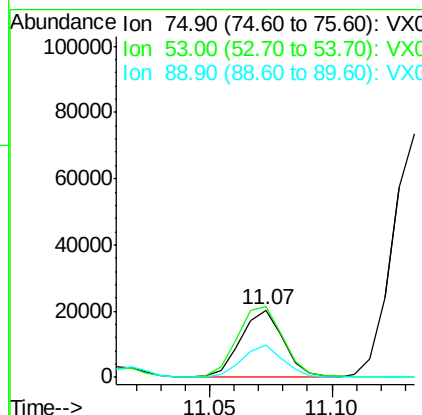
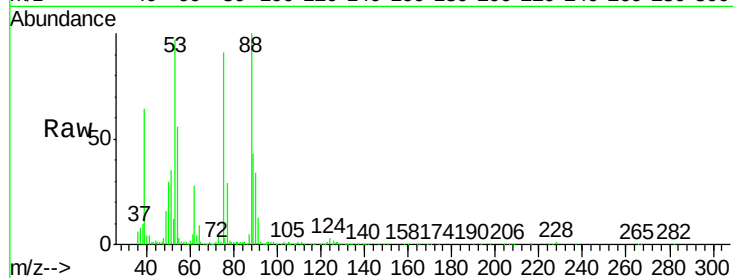
#81
trans-1,4-Dichloro-2-butene
Concen: 17.946 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.0	77.4	116.0
89	46.4	37.3	55.9

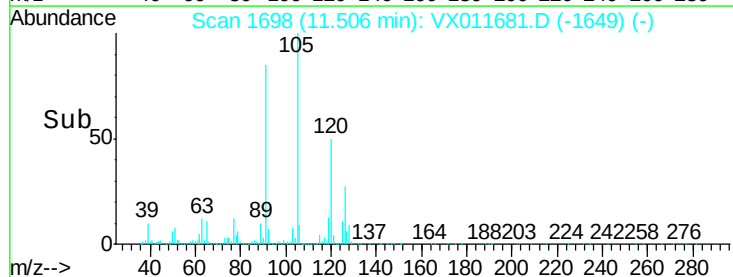
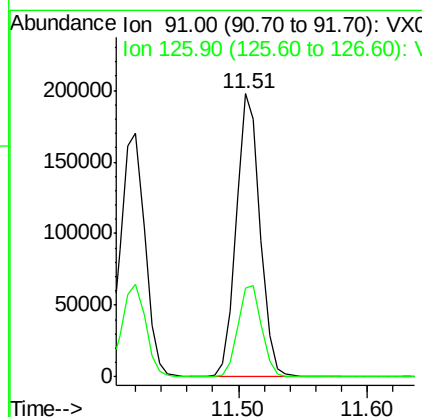
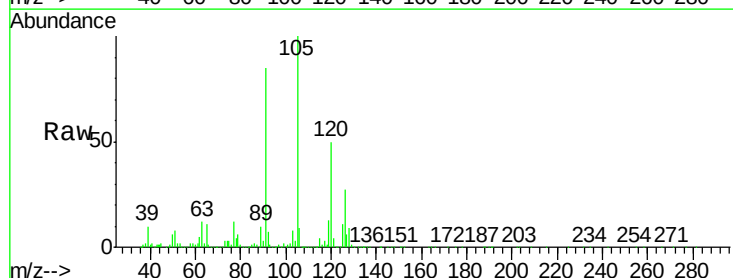
Manual Integrations
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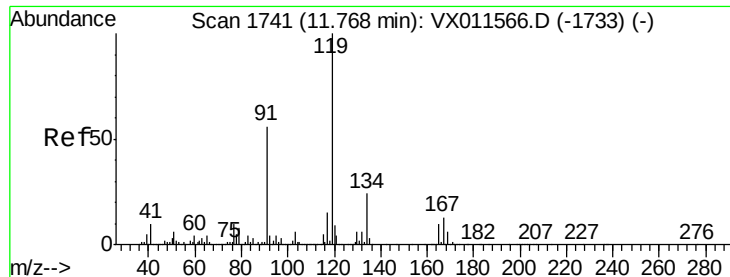
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#82
4-Chlorotoluene
Concen: 21.334 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1





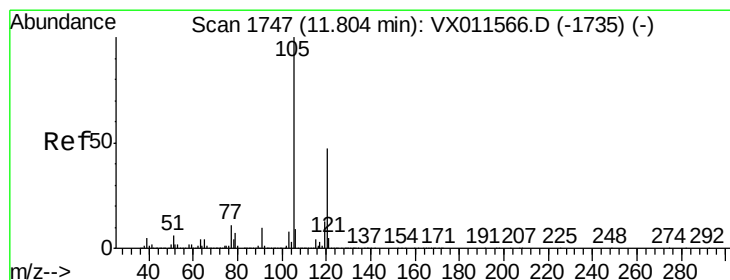
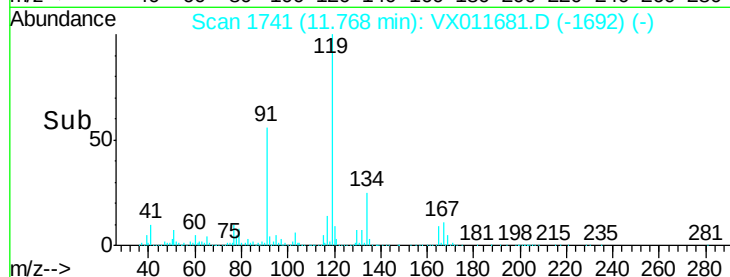
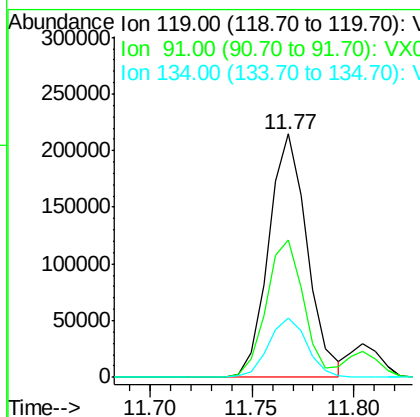
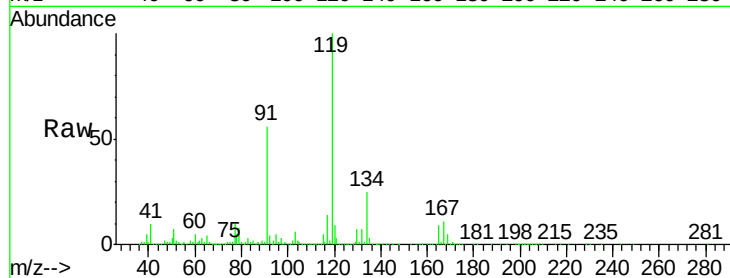
#83
 tert-Butylbenzene
 Concen: 21.381 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011681.D
 Acq: 20 Aug 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	282079		
91	55.5		27.1	81.3
134	24.7		11.8	35.3

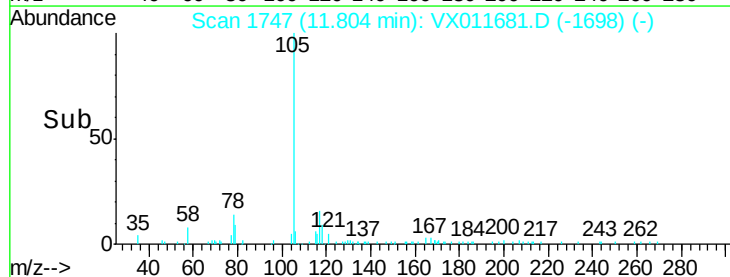
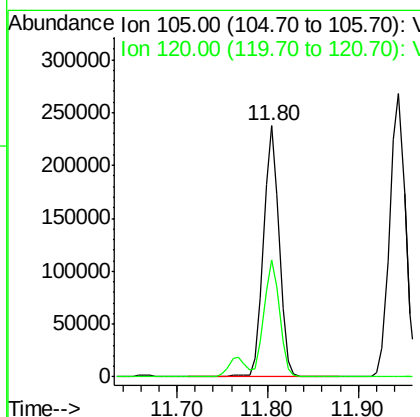
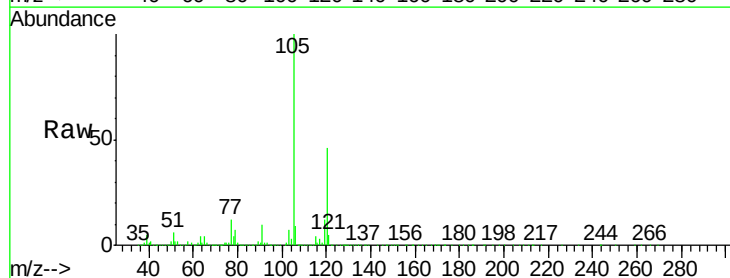
Manual Integrations
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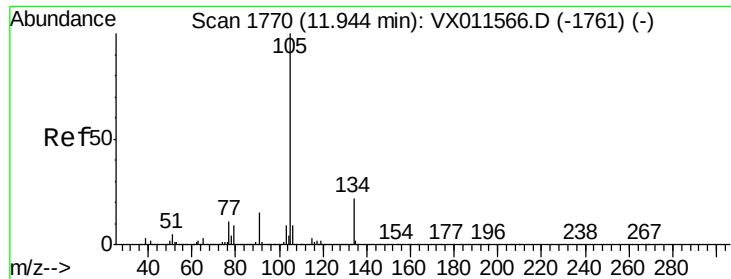
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.790 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011681.D
 Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	283371		
120	46.6		23.3	69.9





#85

sec-Butylbenzene

Concen: 21.706 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBS01

Tot Ion:105 Resp: 323095

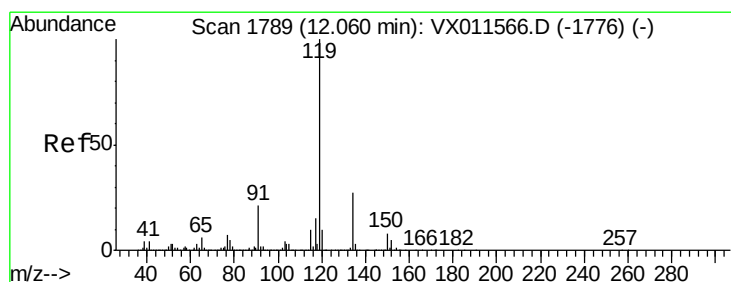
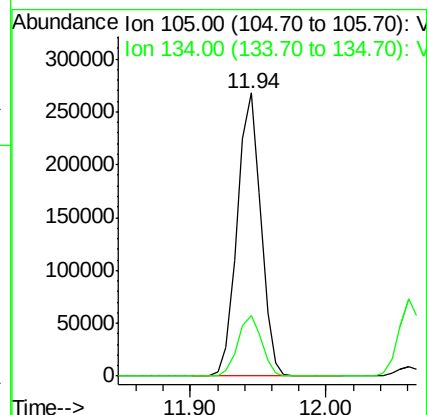
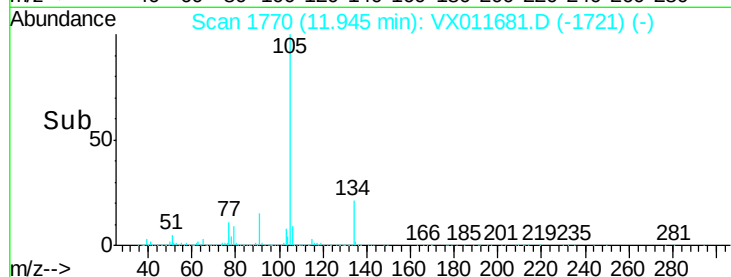
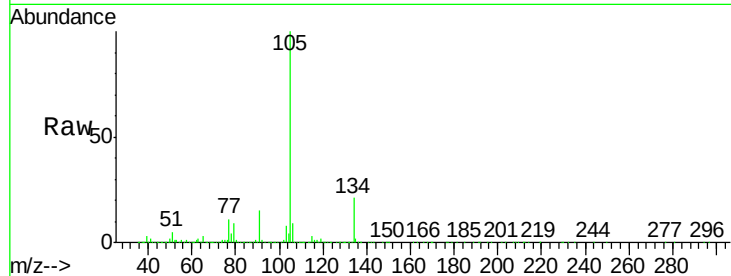
Ion Ratio Lower Upper

105 100

134 21.6 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 21.887 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

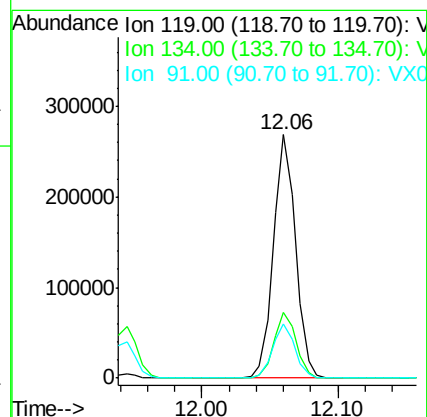
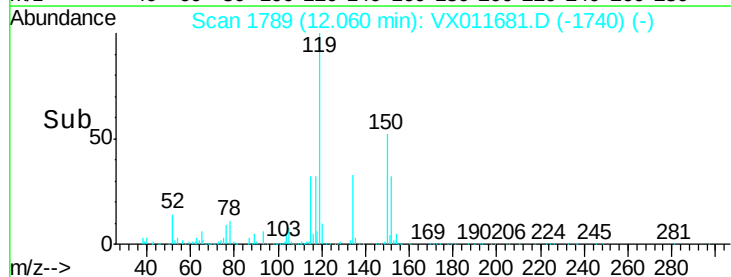
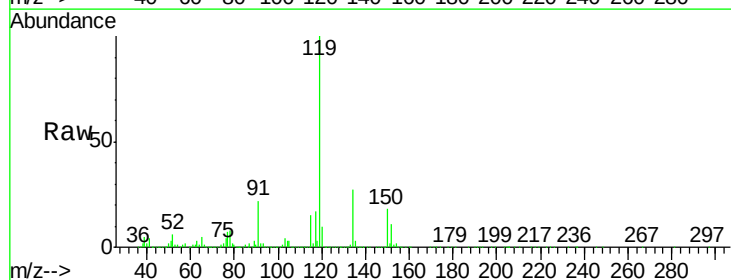
Tgt Ion:119 Resp: 306482

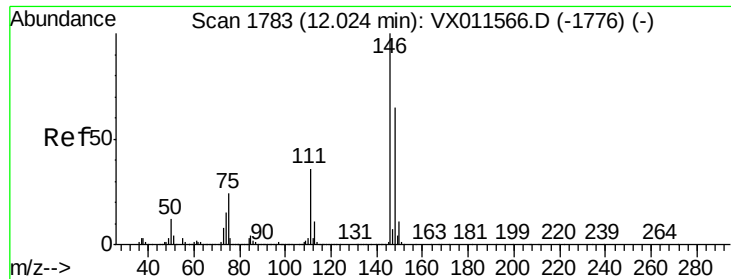
Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.8

91 22.4 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 20.908 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011681.D

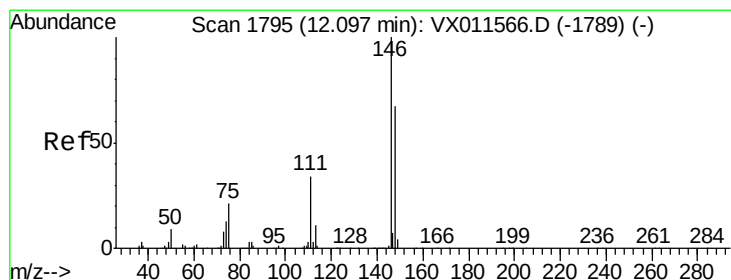
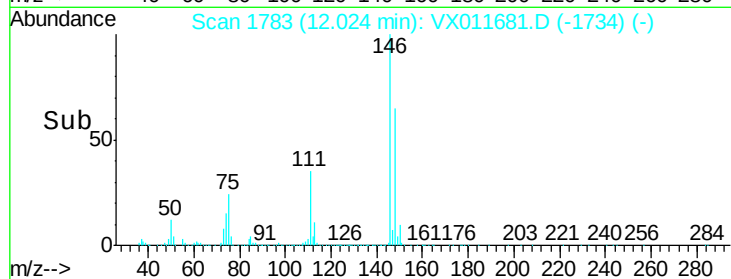
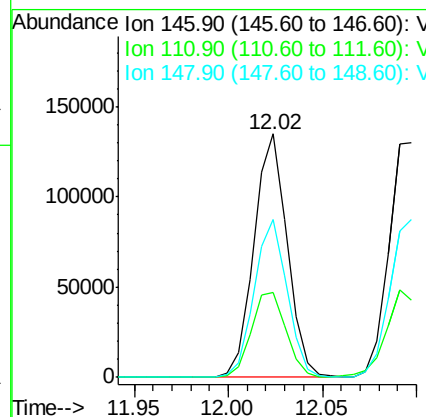
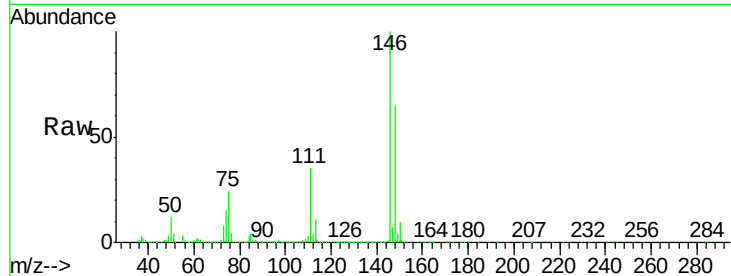
Acq: 20 Aug 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	164874		
111	36.5	18.1	54.4	
148	64.3	32.0	96.0	

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#88

1,4-Dichlorobenzene

Concen: 20.520 ug/l

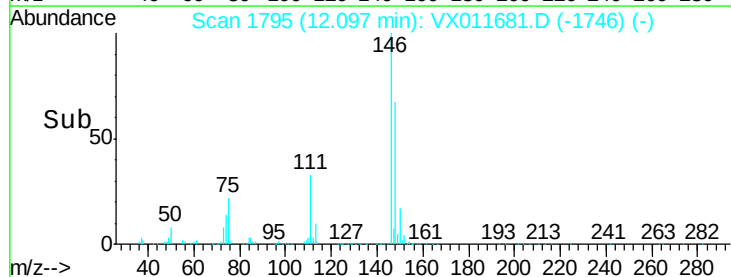
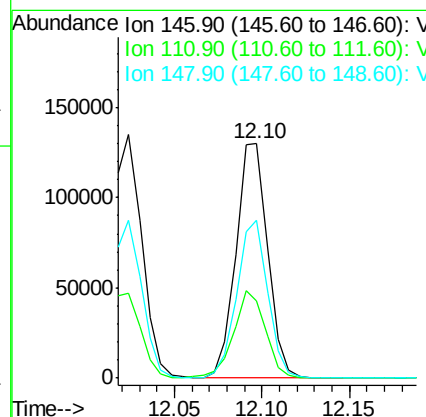
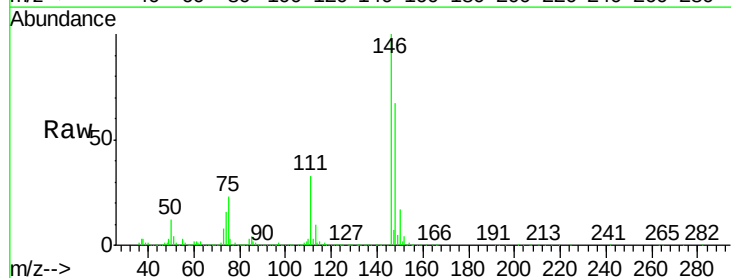
RT: 12.10 min Scan# 1795

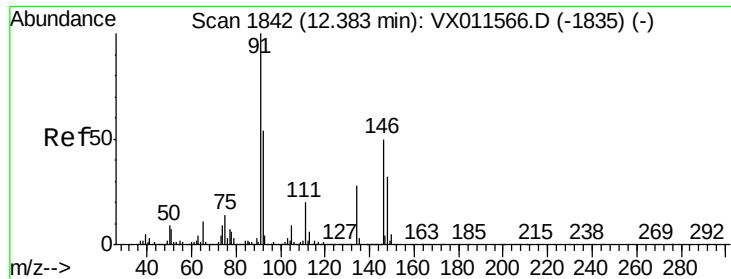
Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	164009		
111	37.2	17.9	53.7	
148	65.7	32.5	97.5	





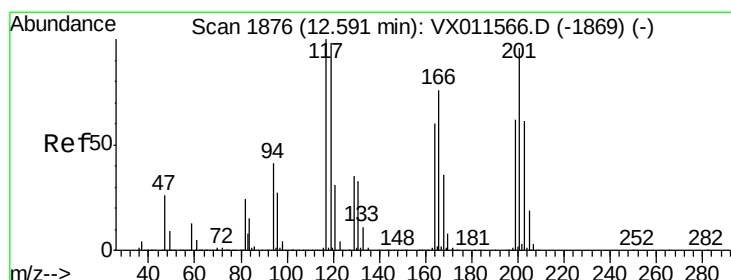
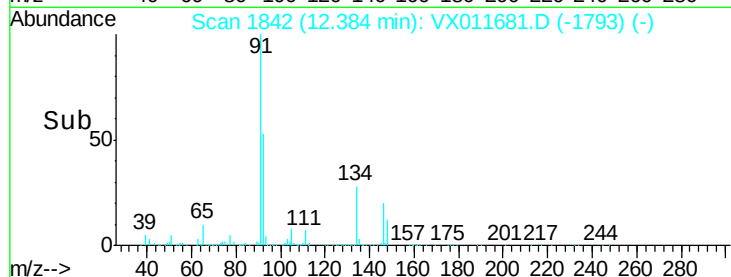
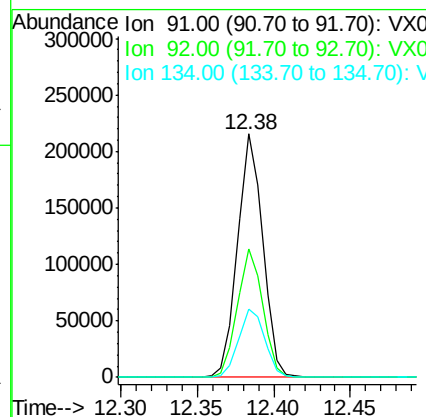
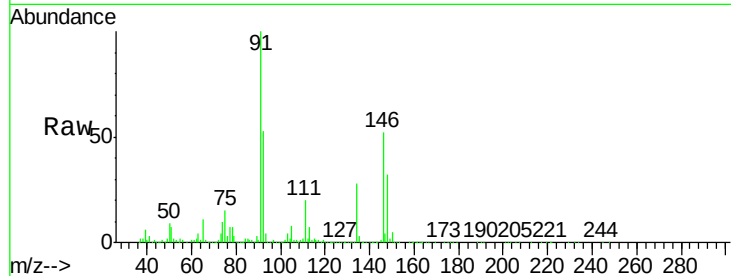
#89
n-Butylbenzene
Concen: 21.390 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.3
134	29.1	14.6	44.0

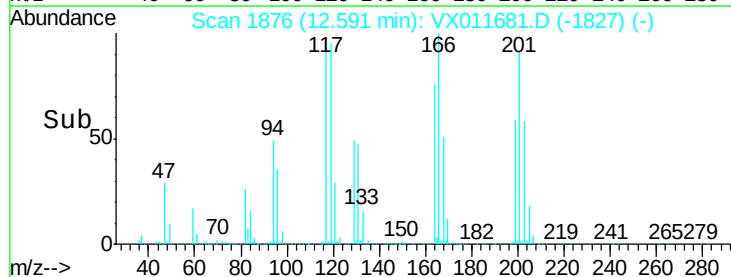
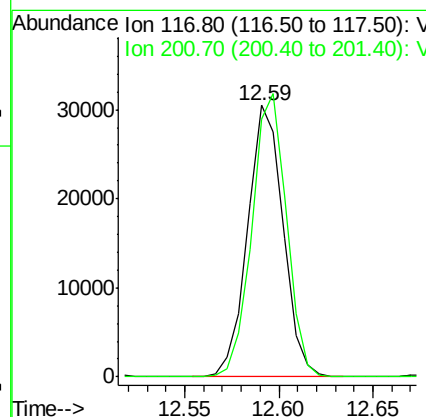
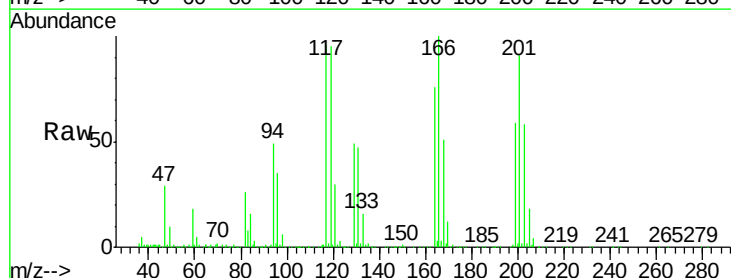
Manual Integrations
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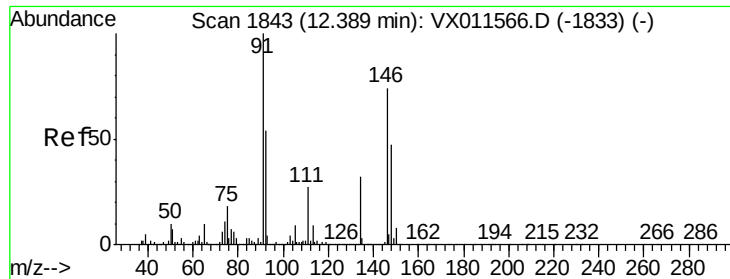
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#90
Hexachloroethane
Concen: 18.084 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011681.D
Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.1	51.9	155.7





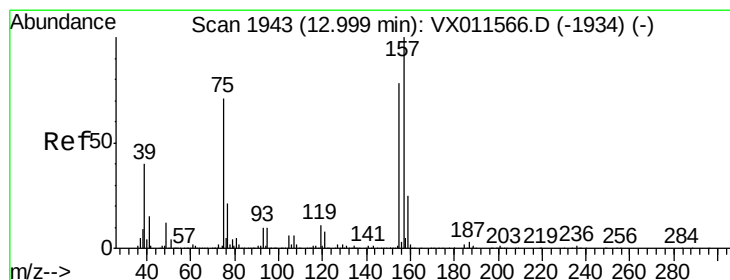
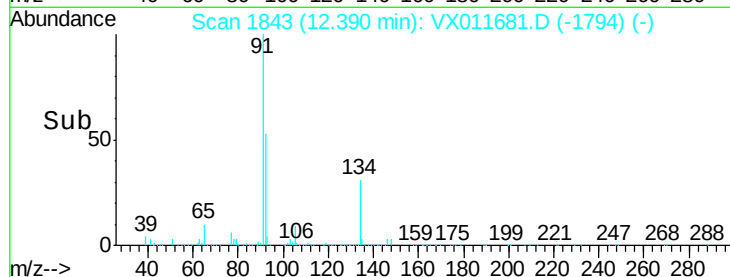
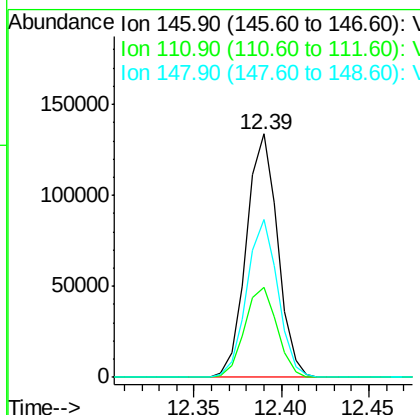
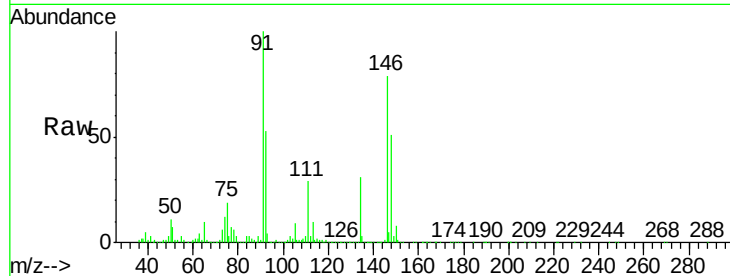
#91
 1,2-Dichlorobenzene
 Concen: 21.091 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011681.D
 Acq: 20 Aug 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	166956		
111	38.4	18.9	56.7	
148	64.3	31.9	95.9	

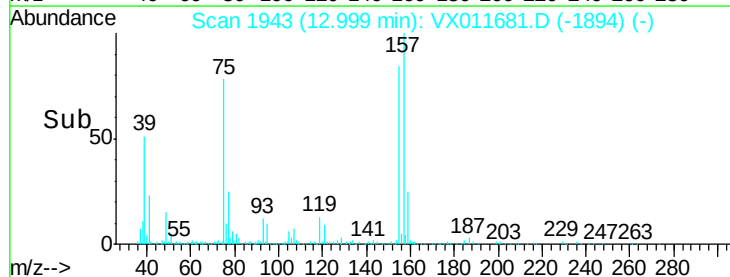
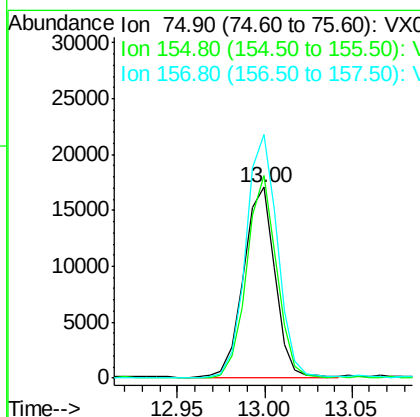
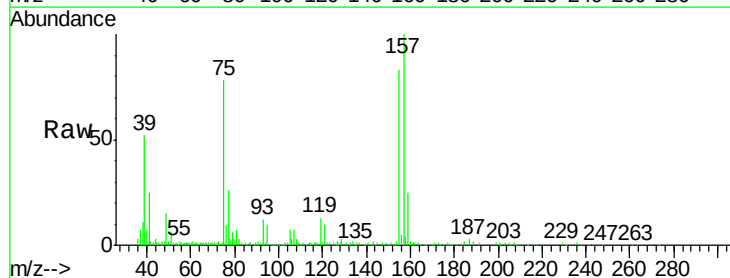
Manual Integrations
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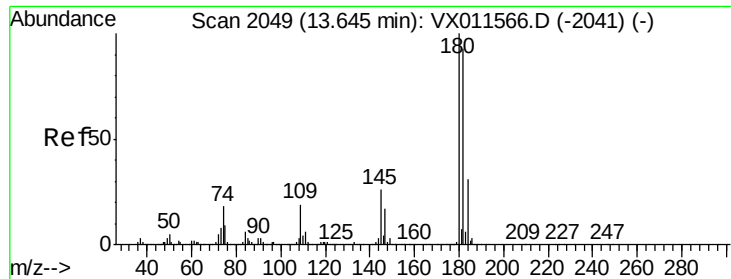
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.548 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011681.D
 Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21296		
155	102.8	53.0	159.0	
157	129.6	68.3	205.1	





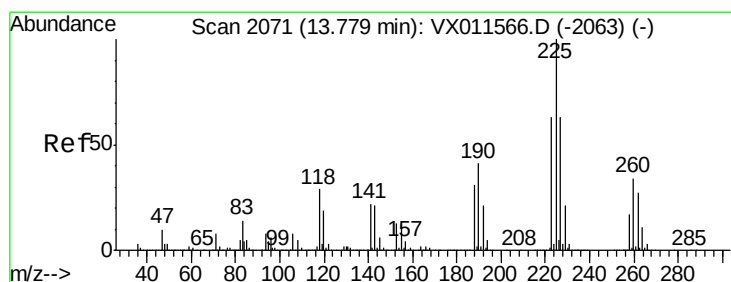
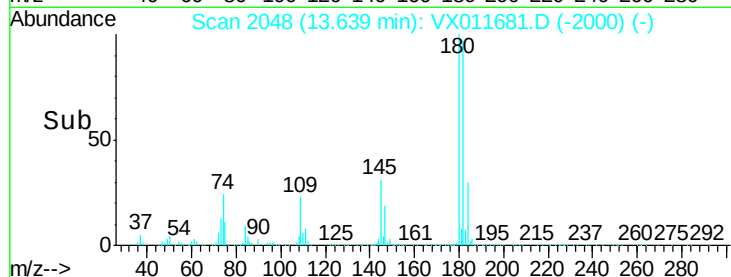
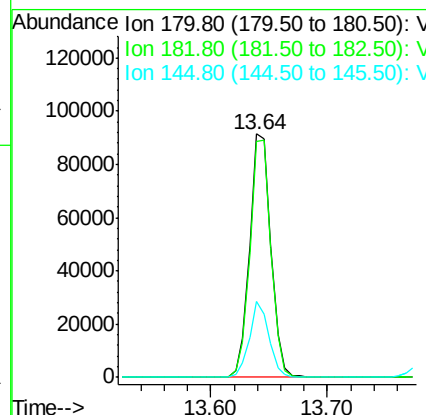
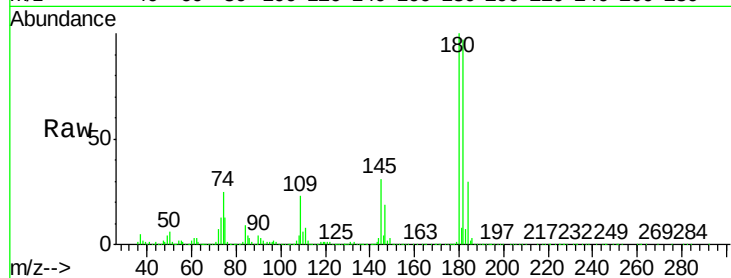
#93
 1,2,4-Trichlorobenzene
 Concen: 19.813 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX011681.D
 Acq: 20 Aug 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.7	47.3	142.0	
145	28.8	13.6	40.8	

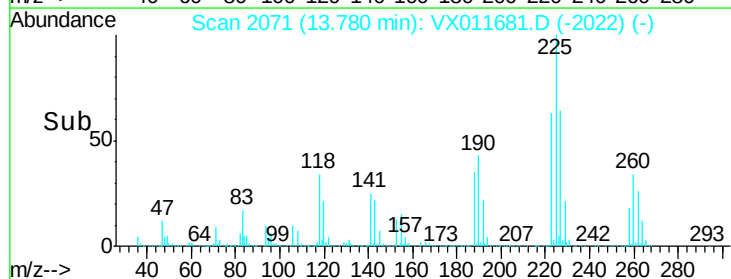
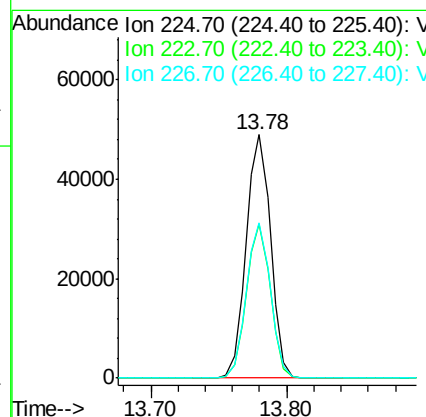
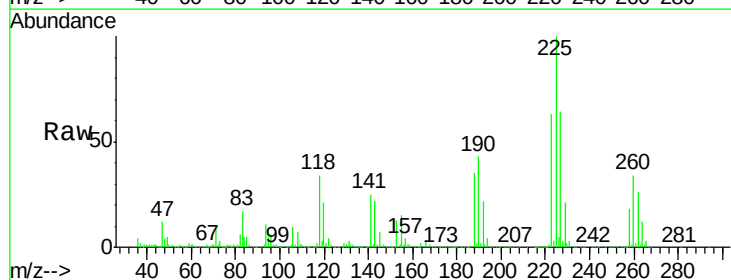
Manual Integrations
 APPROVED

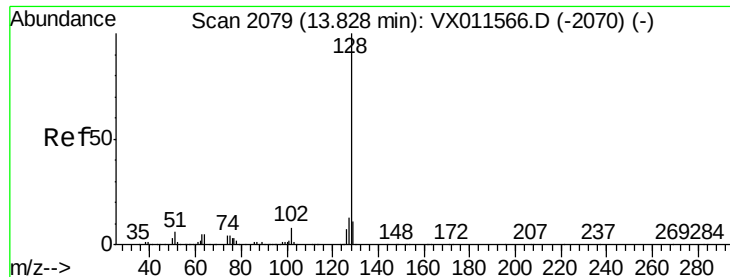
MMDadoda
 8/21/2019 8:33:14 AM



#94
 Hexachlorobutadiene
 Concen: 19.062 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011681.D
 Acq: 20 Aug 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	31.4	94.0	
227	62.7	31.2	93.6	





#95

Naphthalene

Concen: 21.513 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Instrument :

MSVOA_X

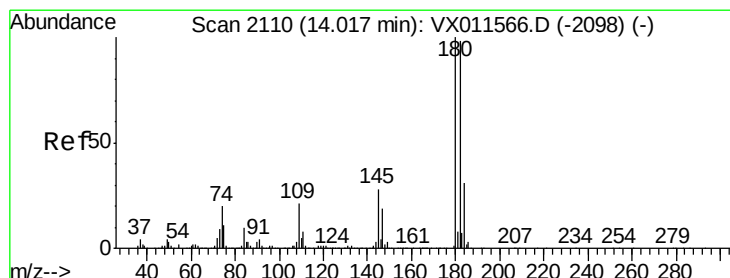
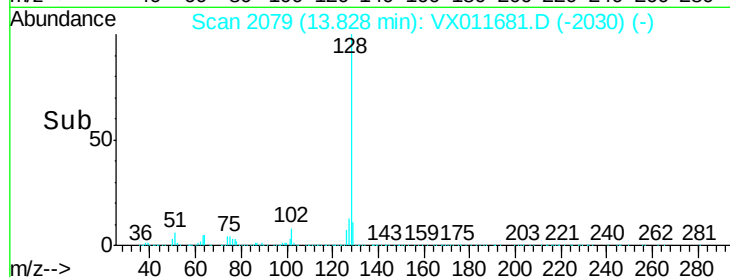
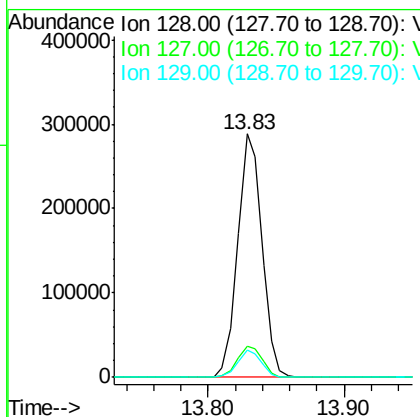
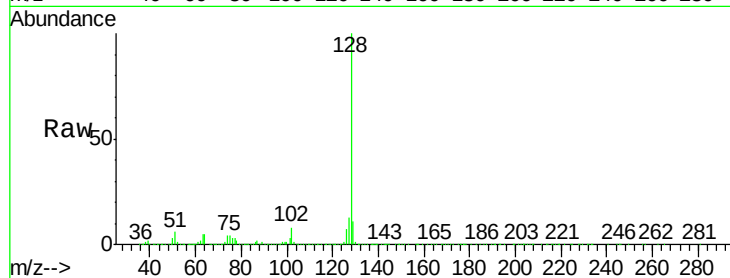
ClientSampleId :

VX0820WBS01

Tot Ion:	128	Resp:	358718
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/21/2019 8:33:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.357 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011681.D

Acq: 20 Aug 2019 13:51

Tgt Ion:	180	Resp:	115157
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.0	144.0
145	30.6	14.6	43.8

