

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083019\
 Data File : VX011918.D
 Acq On : 30 Aug 2019 20:09
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:41:09 AM

Quant Time: Aug 31 02:34:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	325604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	450629	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	425465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	251578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	153010	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
35) Dibromofluoromethane	5.48	113	141893	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	8.71	98	516117	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.14	95	212256	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	97801	49.767	ug/l	98
3) Chloromethane	1.31	50	111553	48.967	ug/l	99
4) Vinyl Chloride	1.39	62	108444	49.851	ug/l	98
5) Bromomethane	1.62	94	78213	51.963	ug/l	99
6) Chloroethane	1.71	64	69283	51.174	ug/l	96
7) Trichlorofluoromethane	1.92	101	194496	51.482	ug/l	99
8) Diethyl Ether	2.17	74	65271	50.271	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	128108	52.028	ug/l	100
10) Methyl Iodide	2.50	142	112721	42.523	ug/l	100
11) Tert butyl alcohol	3.03	59	83236	277.336	ug/l	100
12) 1,1-Dichloroethene	2.36	96	117968	51.585	ug/l	99
13) Acrolein	2.28	56	42585	285.079	ug/l	95
14) Allyl chloride	2.72	41	222794	51.936	ug/l	99
15) Acrylonitrile	3.12	53	198153	277.846	ug/l	99
16) Acetone	2.43	43	177796	264.889	ug/l	100
17) Carbon Disulfide	2.56	76	330019	50.312	ug/l	100
18) Methyl Acetate	2.76	43	96022	51.680	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	397980	53.718	ug/l	99
20) Methylene Chloride	2.84	84	151803	53.331	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	140566	52.181	ug/l	98
22) Diisopropyl ether	3.84	45	460079	52.535	ug/l	95
23) Vinyl Acetate	3.80	43	1549241	275.152	ug/l	100
24) 1,1-Dichloroethane	3.69	63	253883	52.571	ug/l	100
25) 2-Butanone	4.65	43	272755	279.007	ug/l	99
26) 2,2-Dichloropropane	4.57	77	211934	52.323	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	168796	53.196	ug/l	100
28) Bromochloromethane	5.00	49	112944	52.120	ug/l	99
29) Tetrahydrofuran	5.11	42	168001	275.332	ug/l	99
30) Chloroform	5.19	83	273917	53.047	ug/l	98
31) Cyclohexane	5.57	56	191535	49.171	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	246152	53.664	ug/l	99
36) 1,1-Dichloropropene	5.79	75	186266	52.174	ug/l	99
37) Ethyl Acetate	4.82	43	119955	56.763	ug/l	100
38) Carbon Tetrachloride	5.77	117	222615	53.766	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	209197	49.196	ug/l	99
40) Benzene	6.13	78	567342	53.239	ug/l	99
41) Methacrylonitrile	5.03	41	70320	56.514	ug/l	99
42) 1,2-Dichloroethane	6.18	62	198612	54.805	ug/l	100
43) Isopropyl Acetate	6.43	43	237862	55.516	ug/l	100
44) Trichloroethene	7.20	130	174827	53.024	ug/l	98
45) 1,2-Dichloropropane	7.51	63	148978	53.445	ug/l	100
46) Dibromomethane	7.65	93	89071	53.842	ug/l	98
47) Bromodichloromethane	7.89	83	222109	54.144	ug/l	99
48) Methyl methacrylate	7.76	41	117931	56.570	ug/l	99
49) 1,4-Dioxane	7.73	88	33186	1157.629	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	622788	286.131	ug/l	99
52) Toluene	8.78	92	377109	53.490	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	226584	53.923	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	250938	53.199	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	131062	54.116	ug/l	99
56) Ethyl methacrylate	9.17	69	183338	54.545	ug/l	99
57) 1,3-Dichloropropane	9.37	76	218222	54.287	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	431802	269.718	ug/l	99
59) 2-Hexanone	9.48	43	434303	280.901	ug/l	99
60) Dibromochloromethane	9.57	129	178713	54.942	ug/l	100
61) 1,2-Dibromoethane	9.67	107	133229	55.485	ug/l	100
64) Tetrachloroethene	9.33	164	180031	52.603	ug/l	98
65) Chlorobenzene	10.14	112	441557	53.555	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	180122	54.024	ug/l	99
67) Ethyl Benzene	10.25	91	741921	52.901	ug/l	99
68) m/p-Xylenes	10.35	106	579373	106.986	ug/l	99
69) o-Xylene	10.70	106	283575	53.736	ug/l	99
70) Styrene	10.71	104	502886	54.065	ug/l	100
71) Bromoform	10.85	173	130139	55.201	ug/l	98
73) Isopropylbenzene	11.01	105	754281	52.181	ug/l	100
74) N-amyl acetate	10.89	43	232237	54.138	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	161660	54.645	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	140813m	56.899	ug/l	
77) Bromobenzene	11.25	156	223614	53.339	ug/l	98
78) n-propylbenzene	11.35	91	864546	52.743	ug/l	100
79) 2-Chlorotoluene	11.42	91	518807	52.583	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	655176	52.511	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52181	52.969	ug/l	99
82) 4-Chlorotoluene	11.51	91	621590	52.222	ug/l	100
83) tert-Butylbenzene	11.77	119	667706	52.740	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	666774	52.145	ug/l	100
85) sec-Butylbenzene	11.94	105	757633	51.521	ug/l	99
86) p-Isopropyltoluene	12.06	119	739485	51.861	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	409514	52.559	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	409191	51.950	ug/l	99
89) n-Butylbenzene	12.39	91	641247	50.831	ug/l	100
90) Hexachloroethane	12.59	117	141514	51.300	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	384367	53.060	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	32509	55.166	ug/l	97

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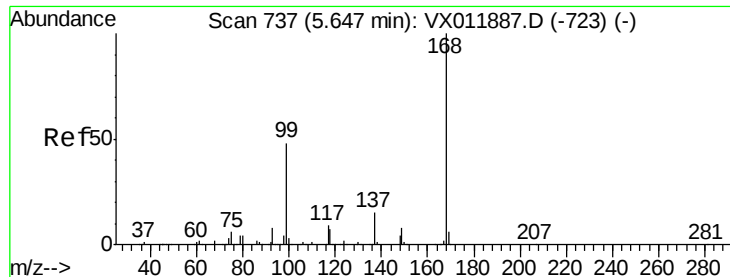
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	316483	51.886	ug/l	99
94) Hexachlorobutadiene	13.78	225	199357	48.940	ug/l	99
95) Naphthalene	13.83	128	564761	53.950	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	288399	52.286	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 325604

Ion Ratio Lower Upper

168 100

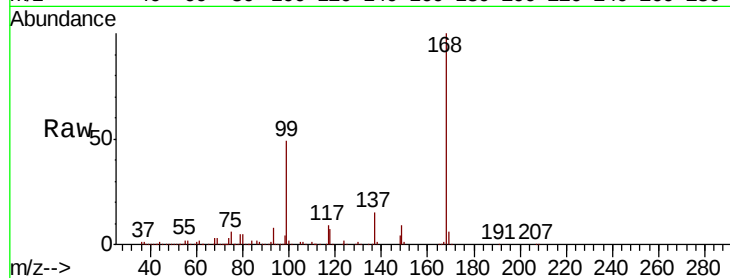
99 48.7 38.4 57.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

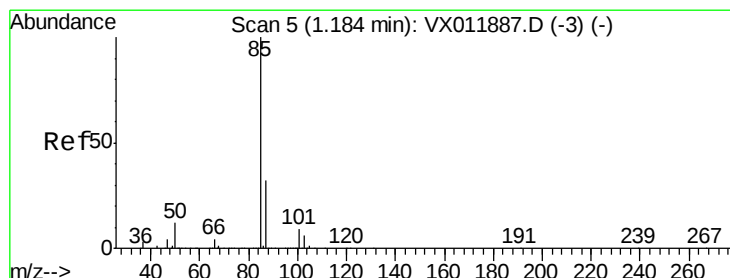
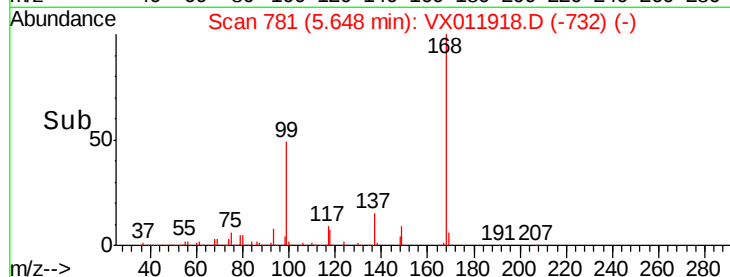
5.65

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.767 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011918.D

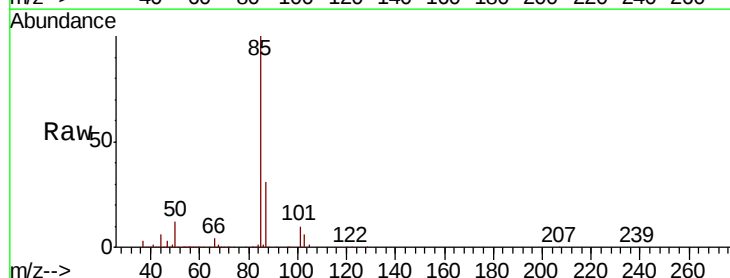
Acq: 30 Aug 2019 20:09

Tgt Ion: 85 Resp: 97801

Ion Ratio Lower Upper

85 100

87 31.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

100000

80000

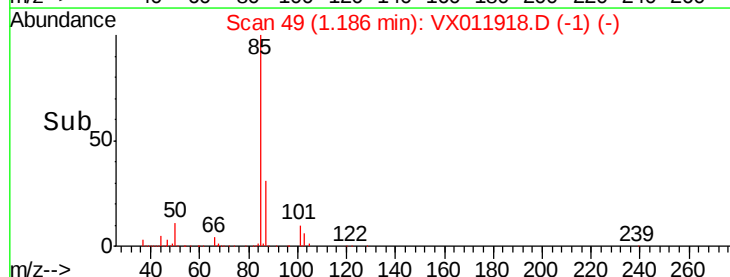
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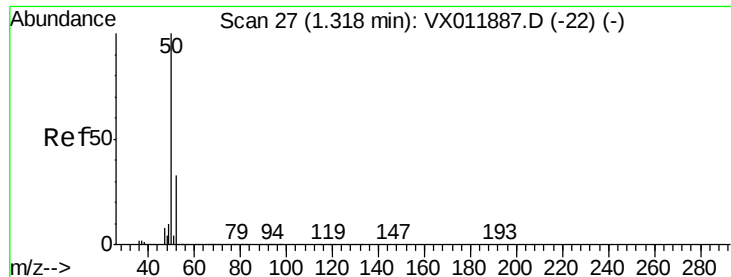
40000

20000

0

Time-->





#3

Chloromethane

Concen: 48.967 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 111553

Ion Ratio Lower Upper

50 100

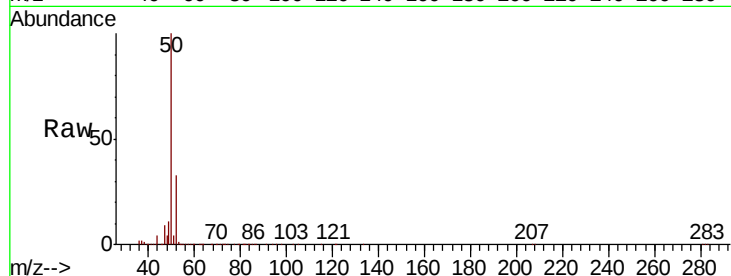
52 33.1 26.0 39.0

Manual Integrations

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9/3/2019 2:41:09 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

120000

100000

80000

60000

40000

20000

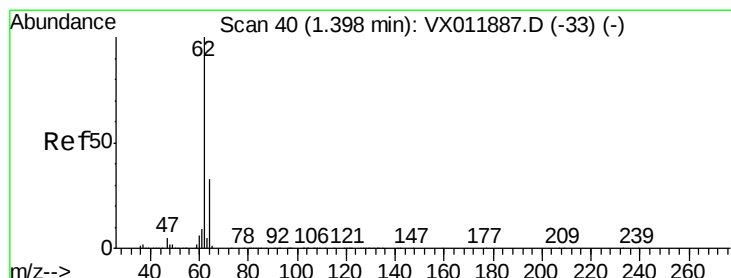
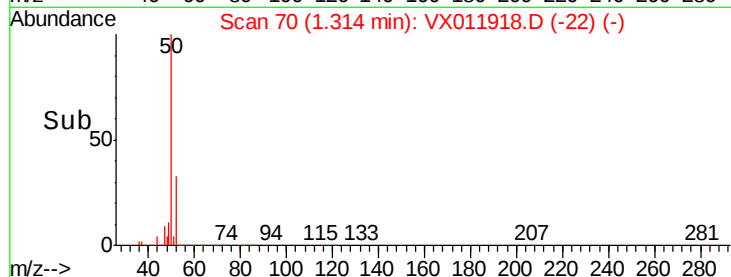
0

1.31

1.30

1.35

Time-->



#4

Vinyl Chloride

Concen: 49.851 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX011918.D

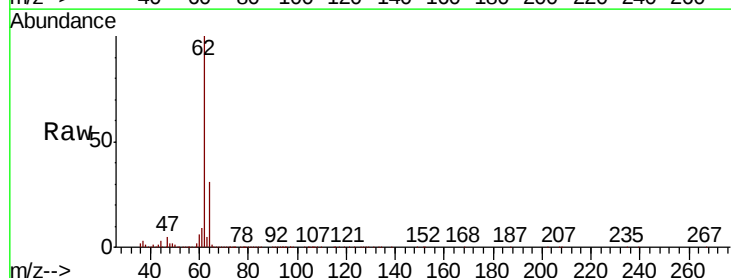
Acq: 30 Aug 2019 20:09

Tgt Ion: 62 Resp: 108444

Ion Ratio Lower Upper

62 100

64 31.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

100000

80000

60000

40000

20000

0

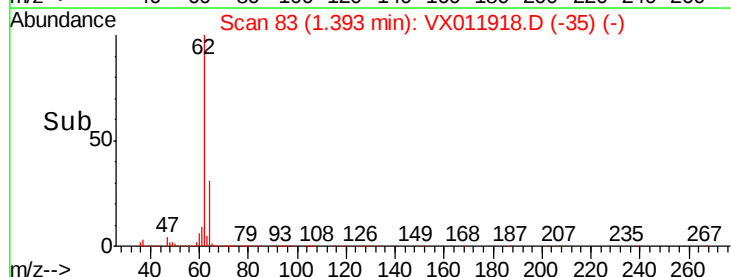
1.39

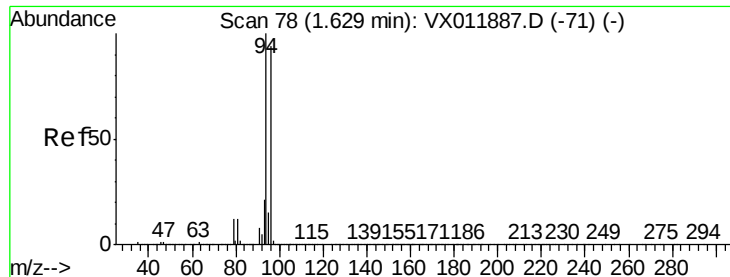
1.30

1.40

1.50

Time-->





#5

Bromomethane

Concen: 51.963 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 78213

Ion Ratio Lower Upper

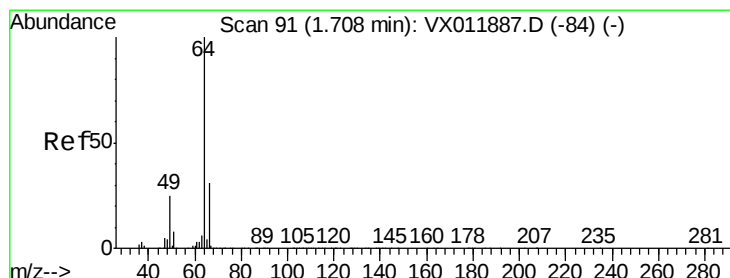
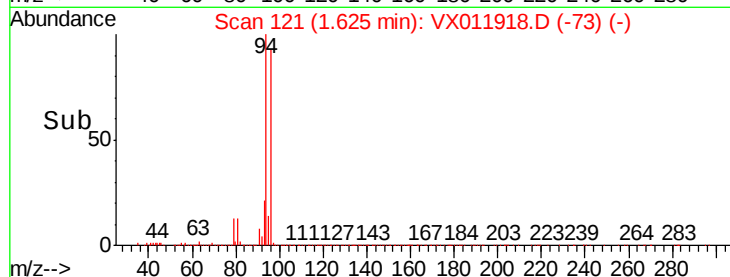
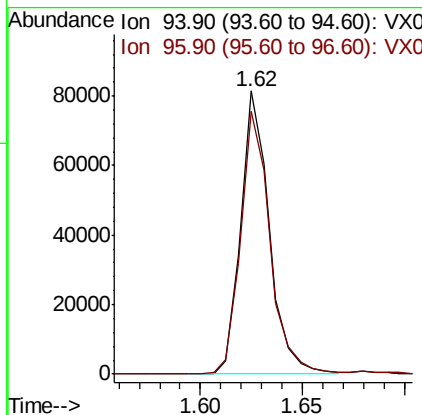
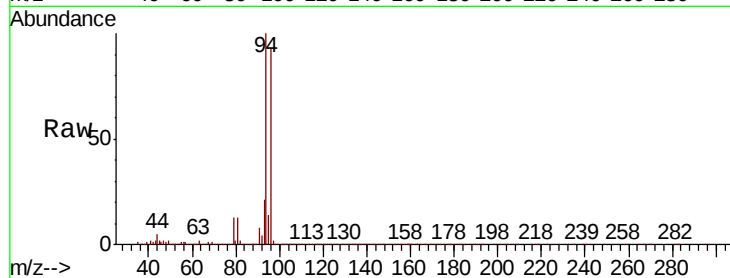
94 100

96 92.7 75.0 112.6

Manual Integrations
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#6

Chloroethane

Concen: 51.174 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX011918.D

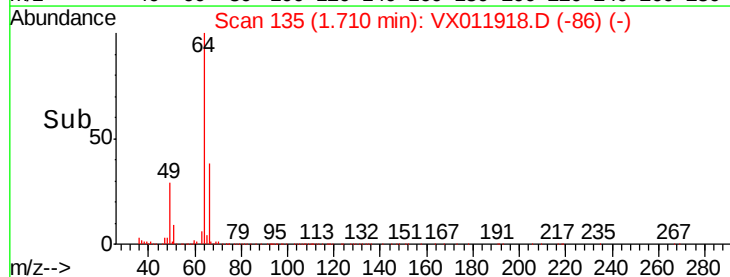
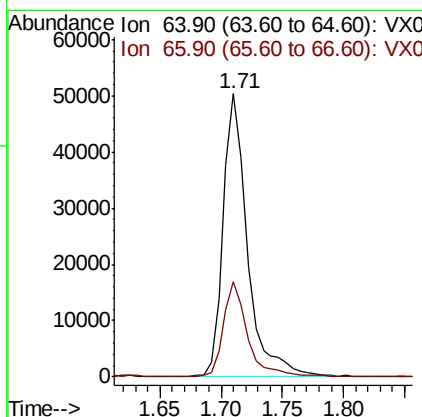
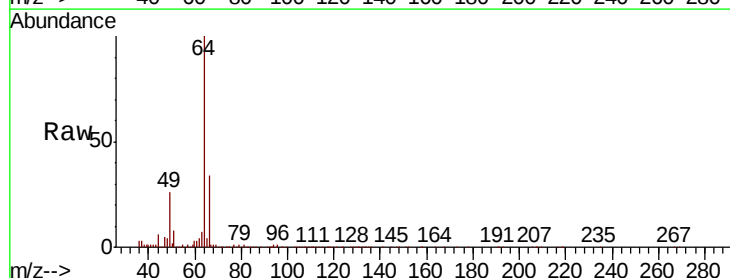
Acq: 30 Aug 2019 20:09

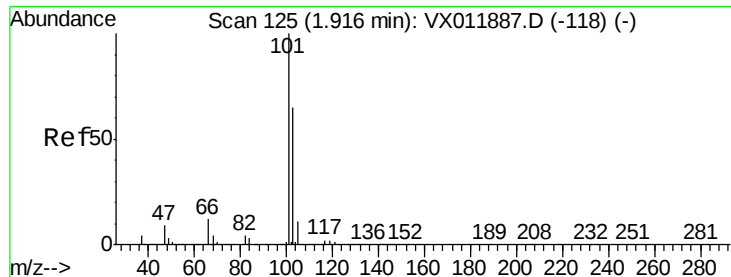
Tgt Ion: 64 Resp: 69283

Ion Ratio Lower Upper

64 100

66 33.4 25.0 37.4





#7

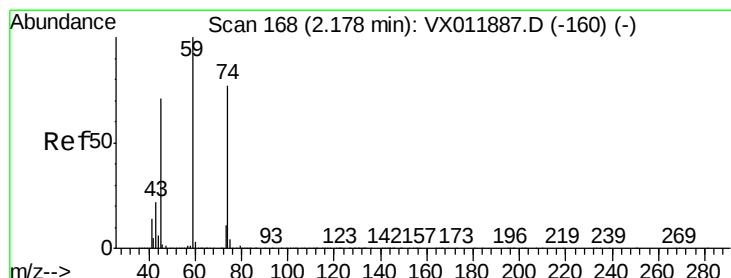
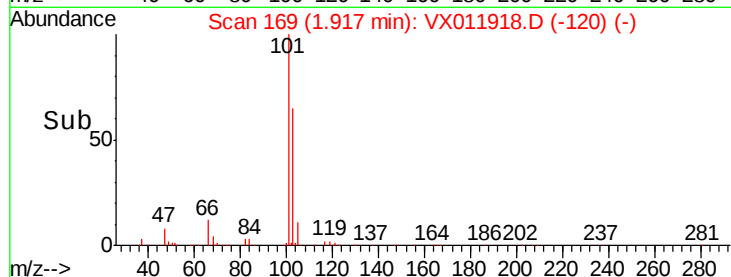
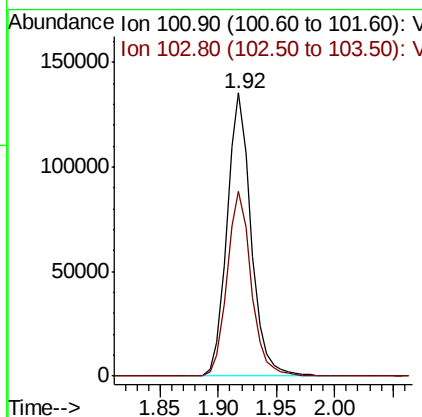
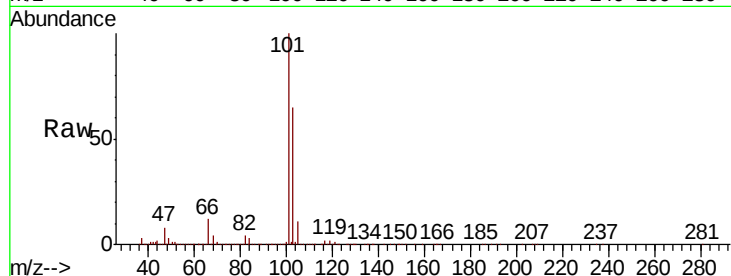
Trichlorofluoromethane
Concen: 51.482 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

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VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	194496		
103	65.1	51.6	77.4	

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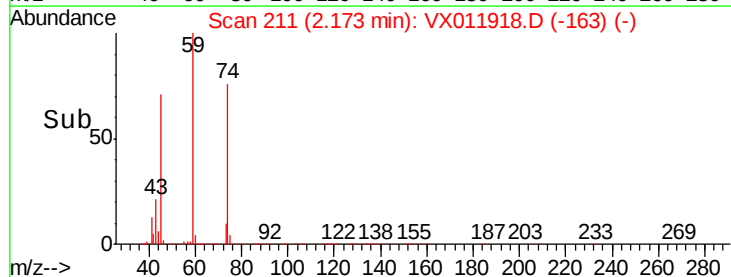
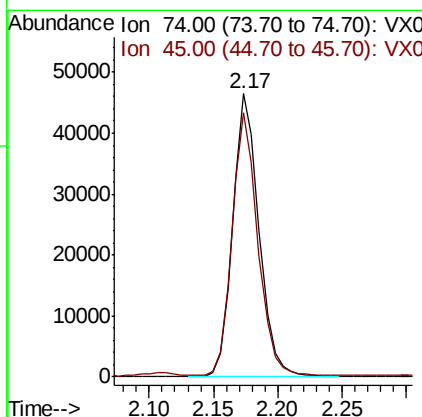
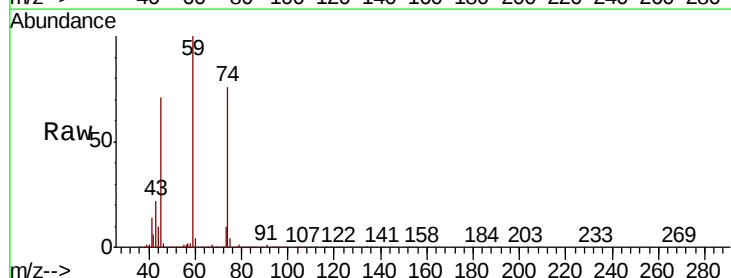
MMDadoda
9/3/2019 2:41:09 AM

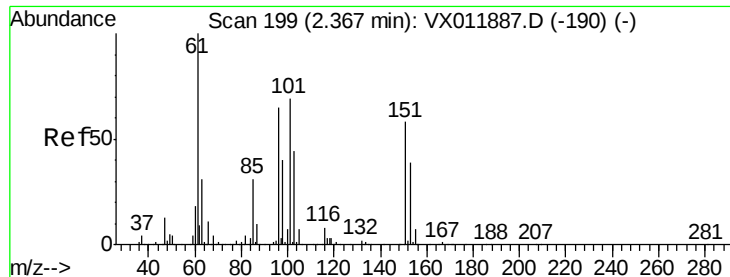


#8

Diethyl Ether
Concen: 50.271 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	65271		
45	91.7	46.7	140.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.028 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

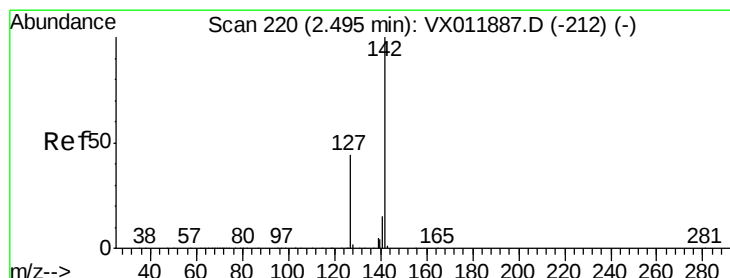
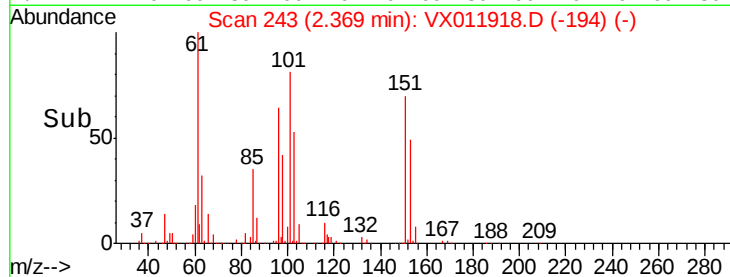
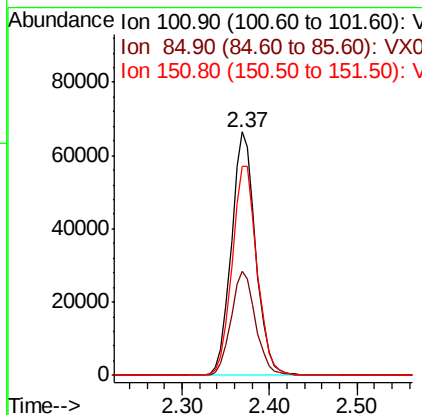
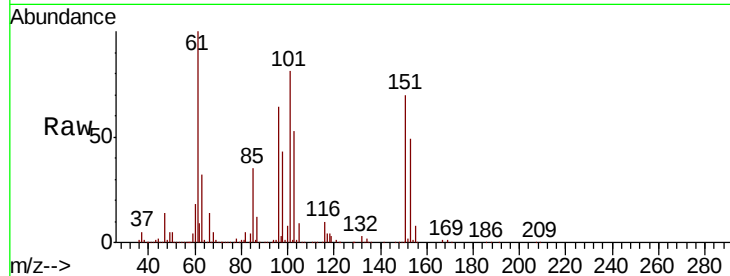
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	128108
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.9	52.3
151	88.6	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 42.523 ug/l

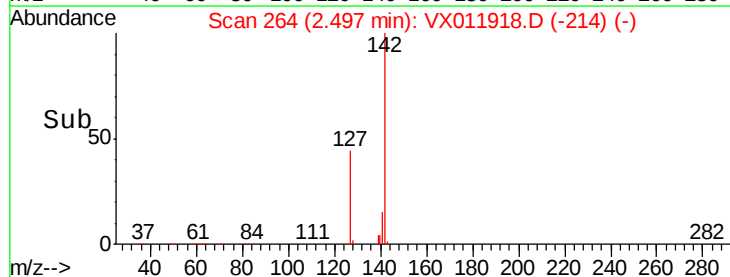
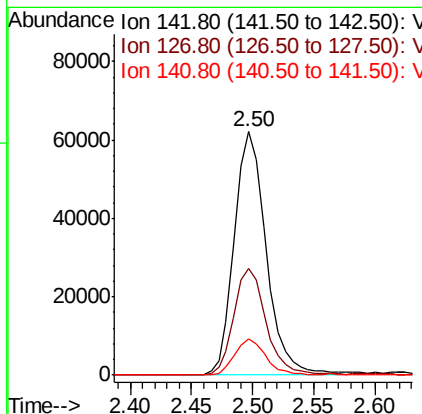
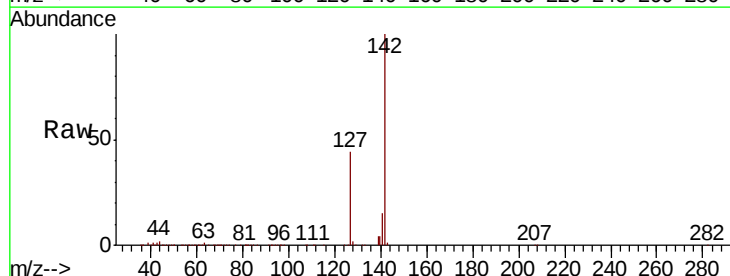
RT: 2.50 min Scan# 264

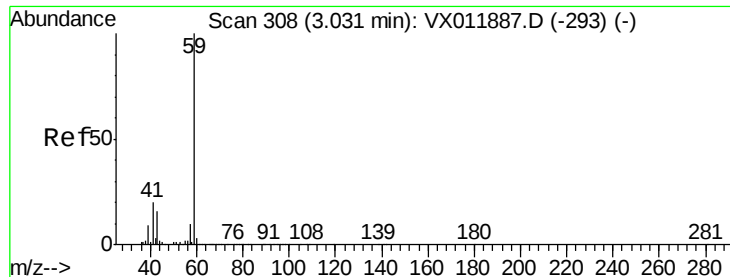
Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Tgt Ion:	142	Resp:	112721
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.7	53.5
141	14.6	11.8	17.6





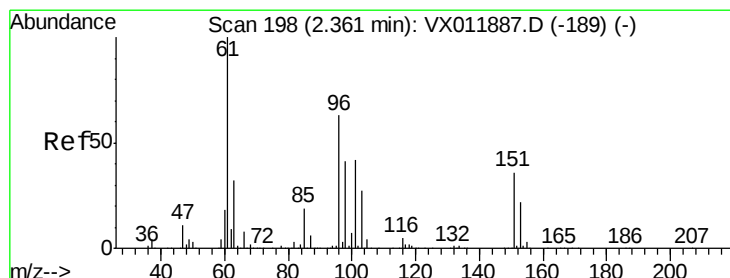
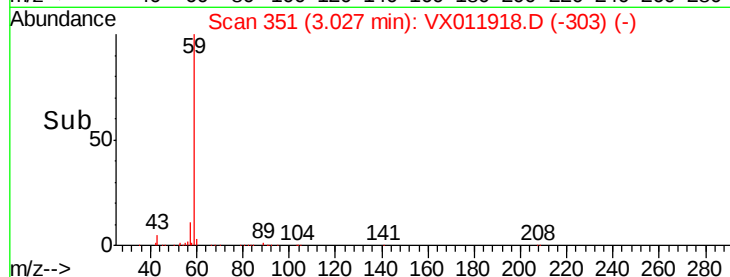
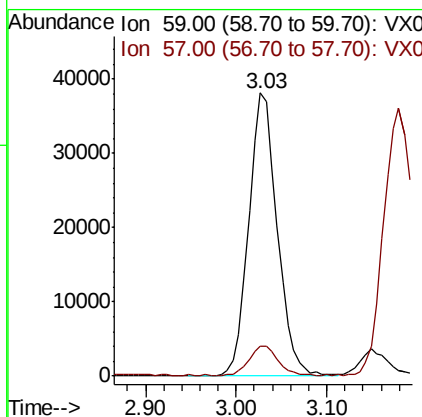
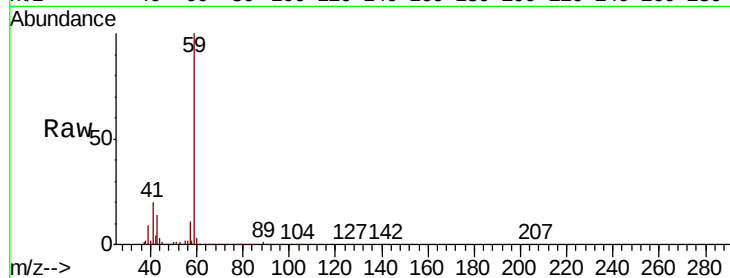
#11
Tert butyl alcohol
Concen: 277.336 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	12.8

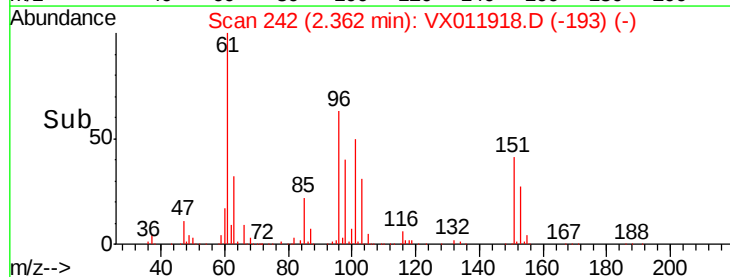
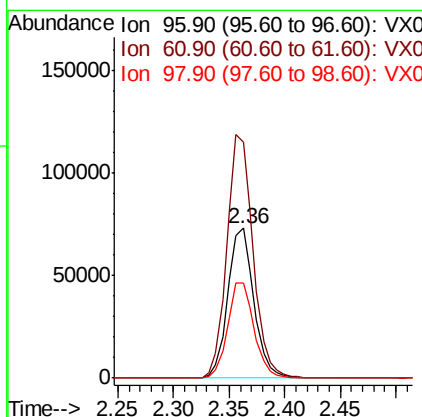
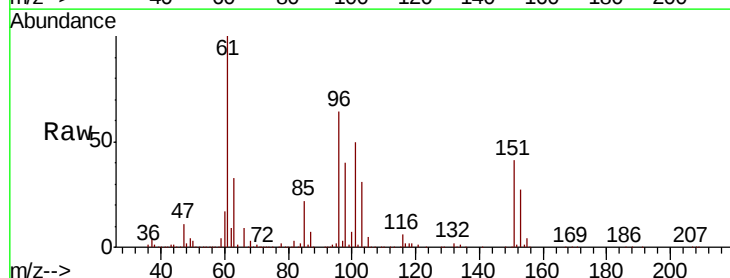
Manual Integrations
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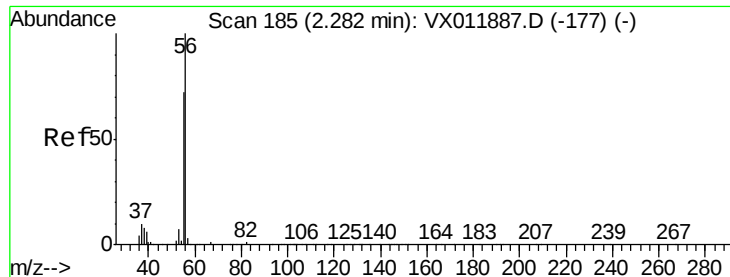
MMDadoda
9/3/2019 2:41:09 AM



#12
1,1-Dichloroethene
Concen: 51.585 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.6	126.6	190.0
98	63.7	51.6	77.4





#13

Acrolein

Concen: 285.079 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 42585

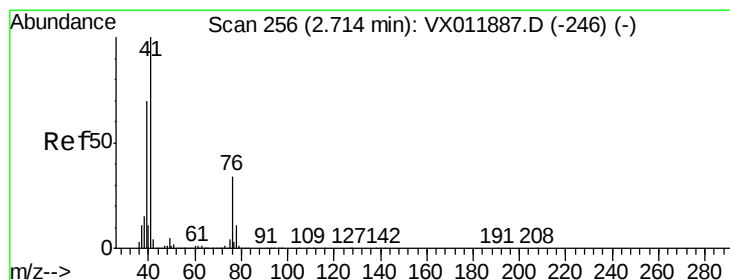
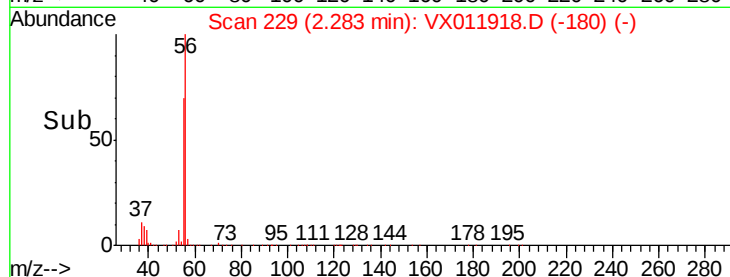
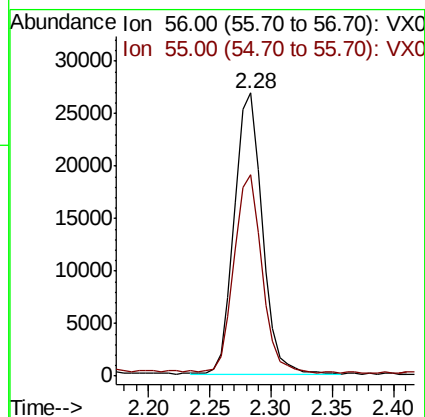
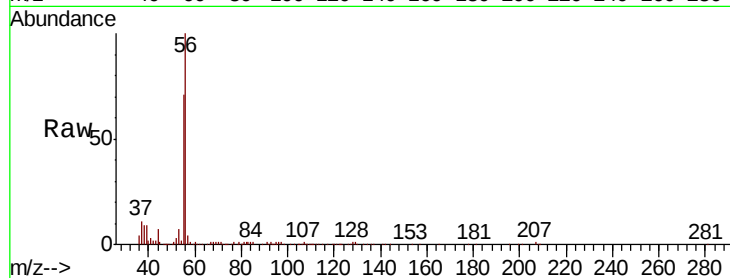
Ion Ratio Lower Upper

56 100

55 69.4 58.6 88.0

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:41:09 AM



#14

Allyl chloride

Concen: 51.936 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

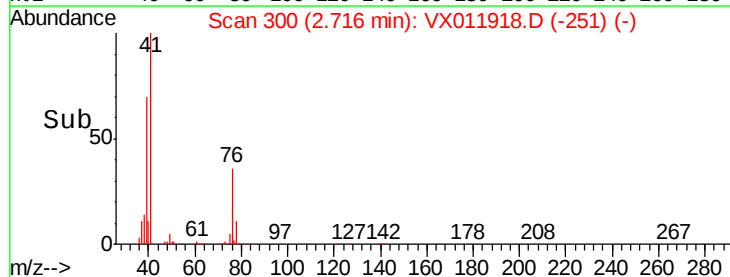
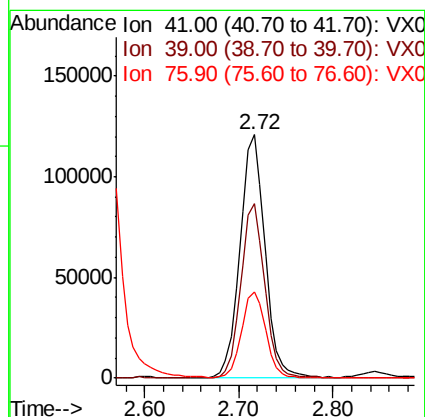
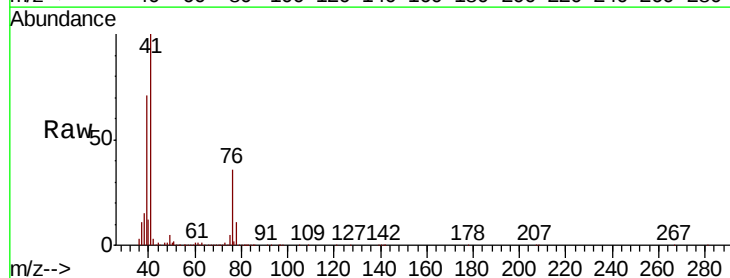
Tgt Ion: 41 Resp: 222794

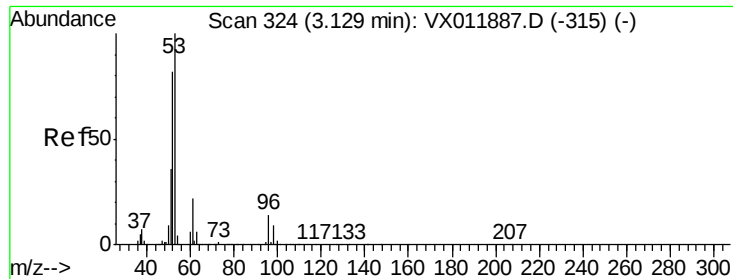
Ion Ratio Lower Upper

41 100

39 68.5 55.0 82.6

76 34.7 27.0 40.4





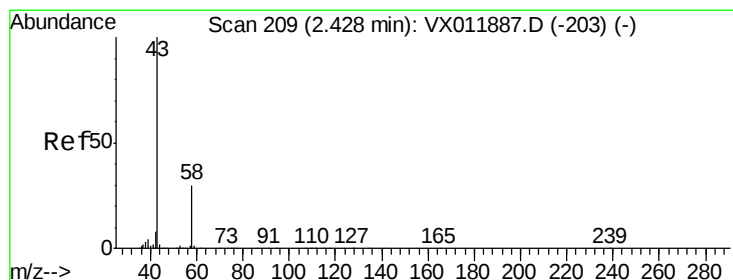
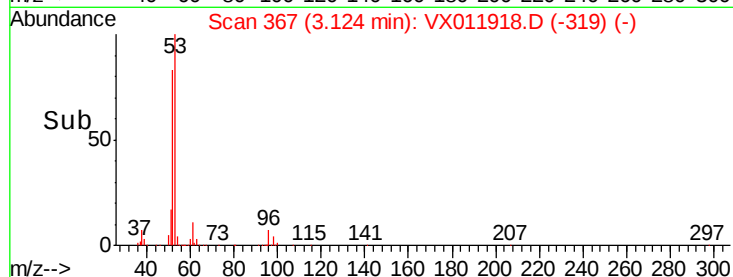
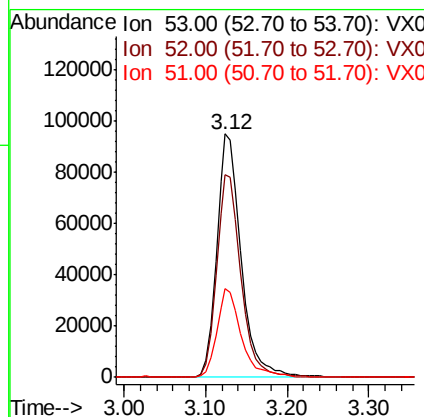
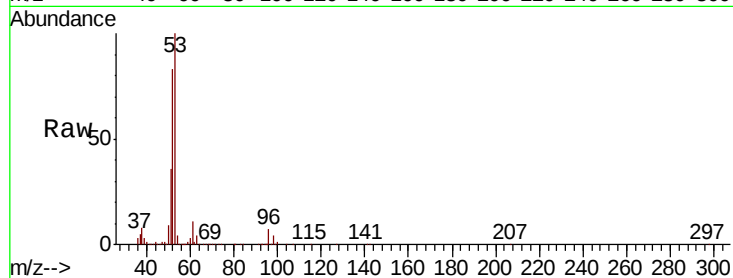
#15
 Acrylonitrile
 Concen: 277.846 ug/l
 RT: 3.12 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	198153
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.3	97.9
51	36.6	29.4	44.2

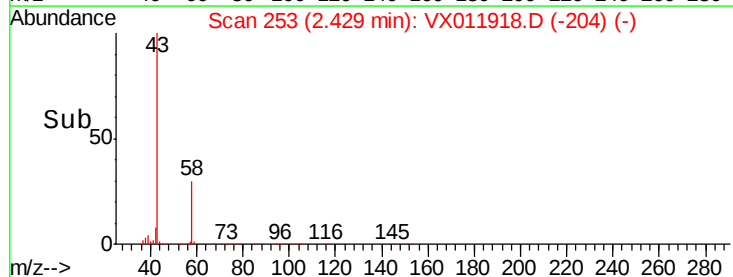
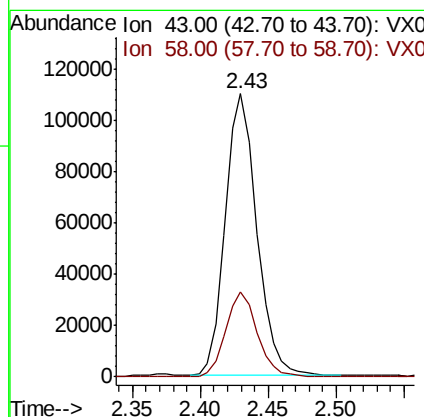
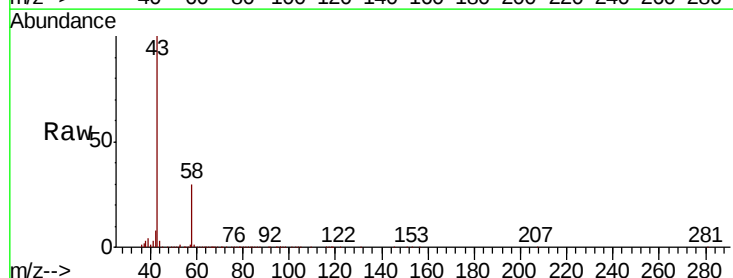
Manual Integrations
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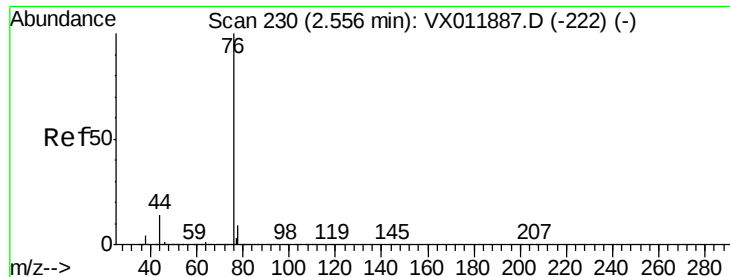
MMDadoda
 9/3/2019 2:41:09 AM



#16
 Acetone
 Concen: 264.889 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Tgt Ion:	43	Resp:	177796
Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.8	35.8





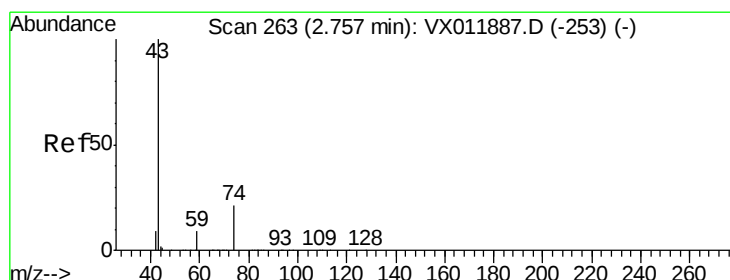
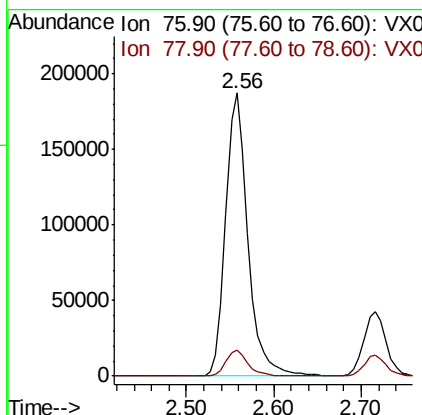
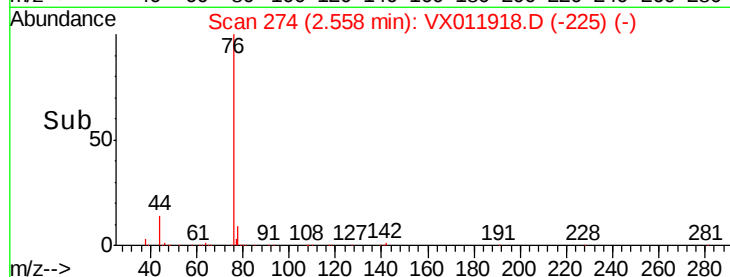
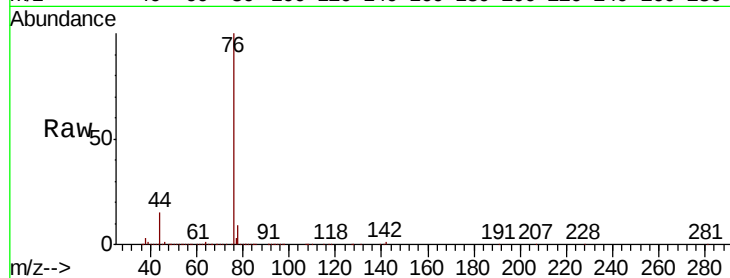
#17
Carbon Disulfide
Concen: 50.312 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

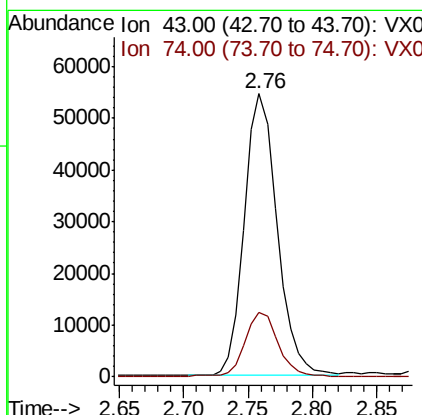
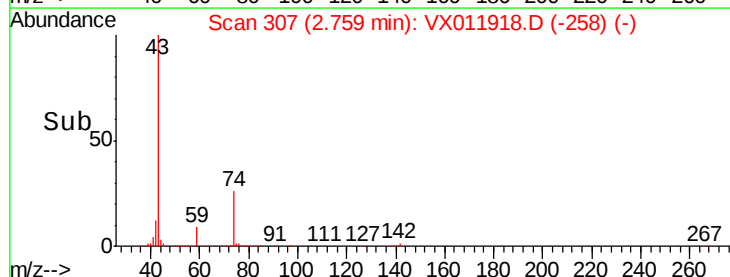
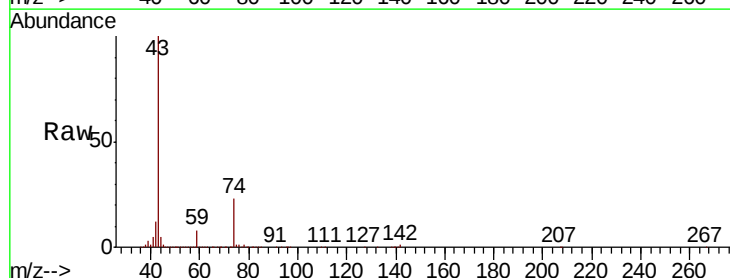
Manual Integrations
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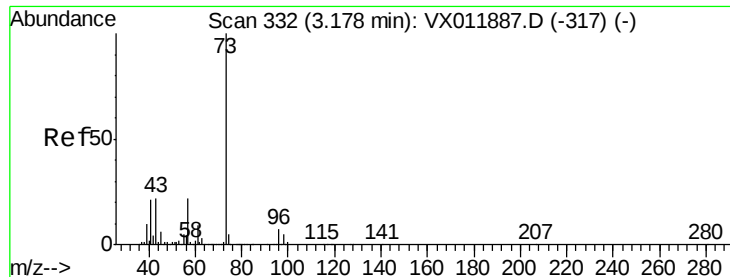
MMDadoda
9/3/2019 2:41:09 AM



#18
Methyl Acetate
Concen: 51.680 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.4	27.6





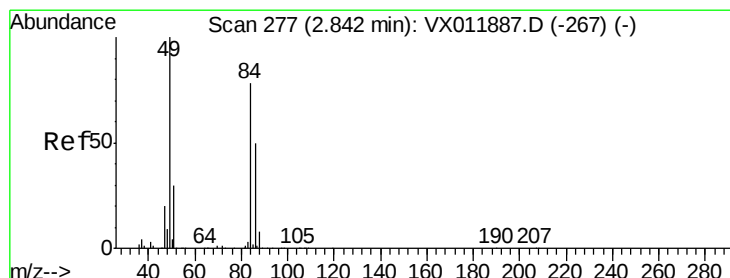
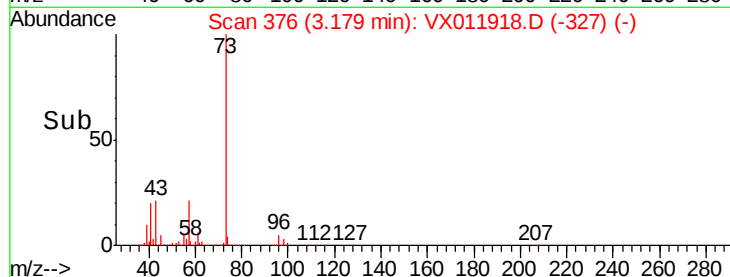
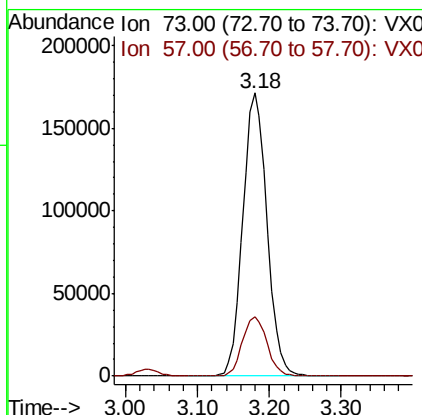
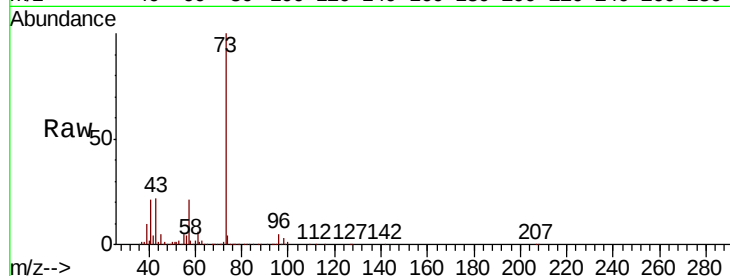
#19
Methvl tert-butvl Ether
Concen: 53.718 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.0

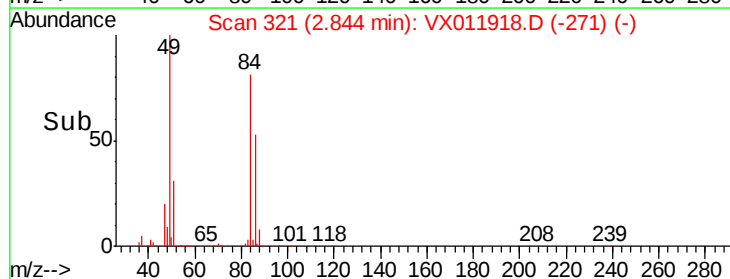
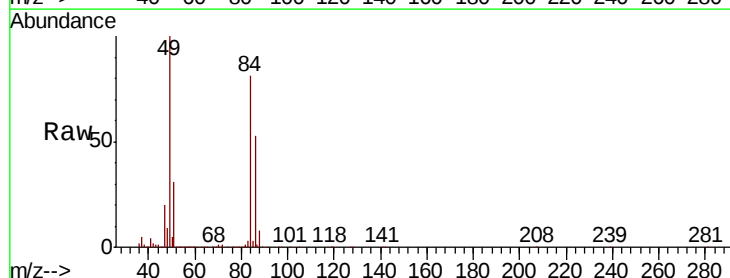
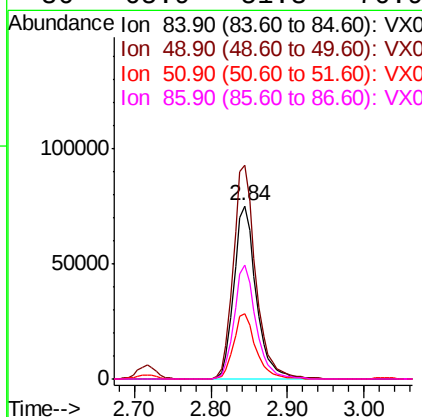
Manual Integrations
APPROVED

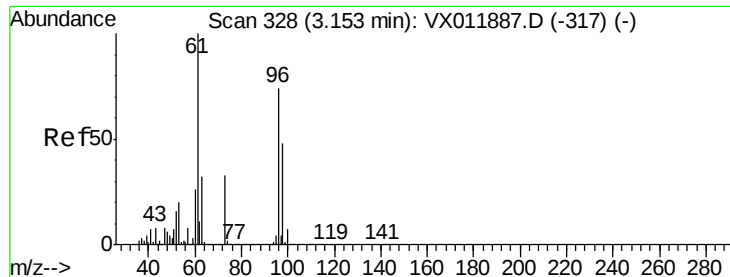
MMDadoda
9/3/2019 2:41:09 AM



#20
Methylene Chloride
Concen: 53.331 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.4	103.0	154.4
51	37.8	30.8	46.2
86	65.9	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 52.181 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 140566

Ion Ratio Lower Upper

96 100

61 132.6 107.4 161.2

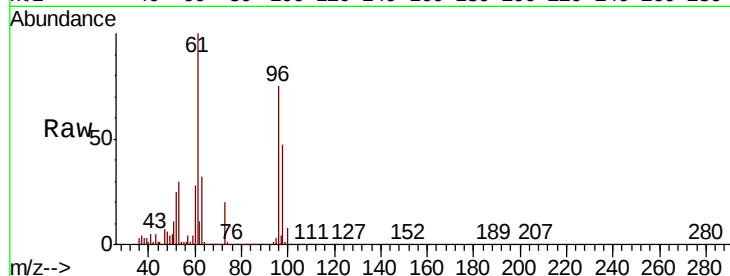
98 62.0 51.4 77.2

Manual Integrations

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MMDadoda

9/3/2019 2:41:09 AM

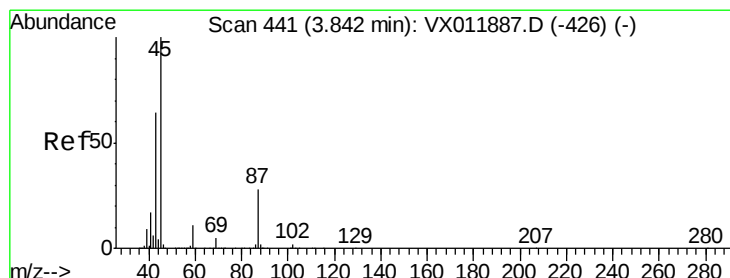
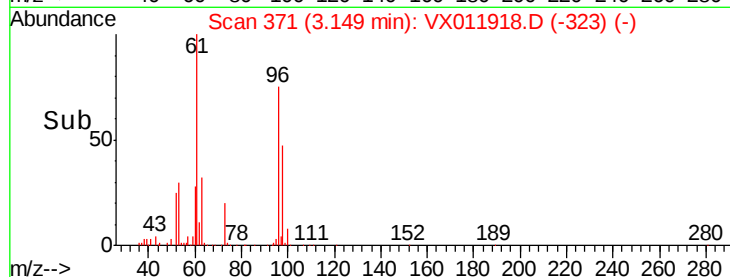
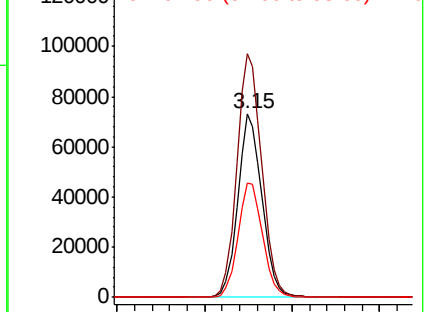


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 52.535 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Tgt Ion: 45 Resp: 460079

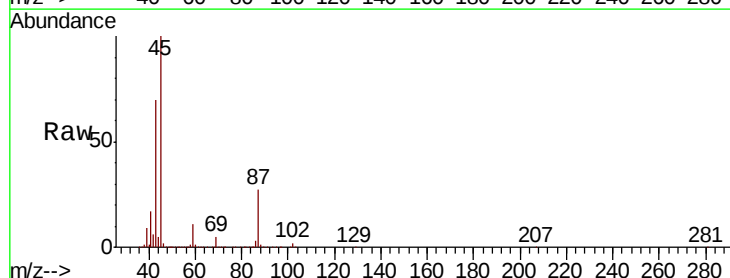
Ion Ratio Lower Upper

45 100

43 70.2 51.0 76.6

87 27.0 22.0 33.0

59 11.4 9.1 13.7



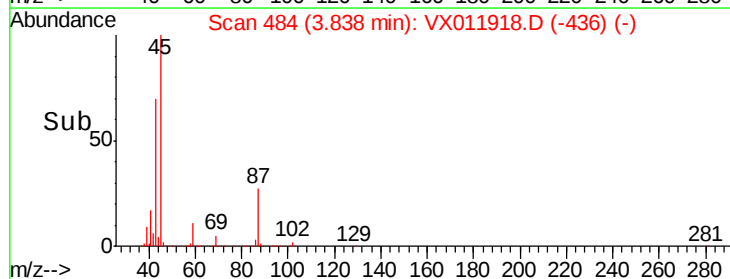
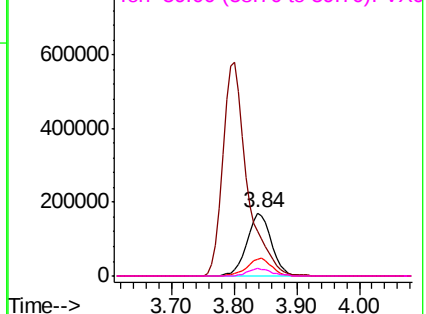
Abundance

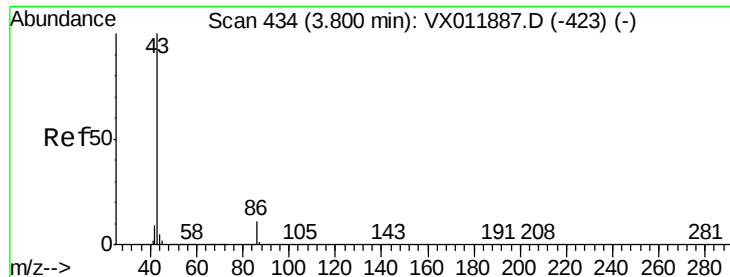
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 275.152 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1549241

Ion Ratio Lower Upper

43 100

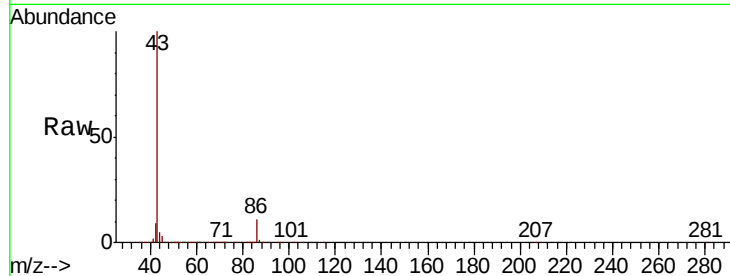
86 10.8 8.6 12.8

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

600000

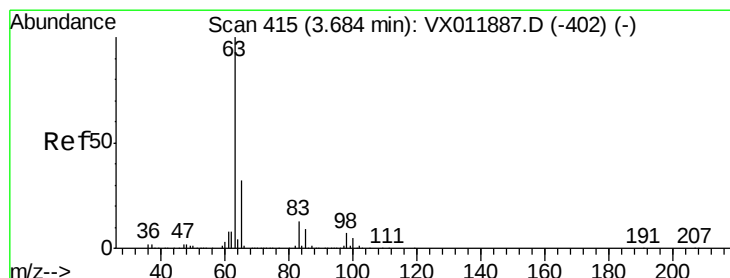
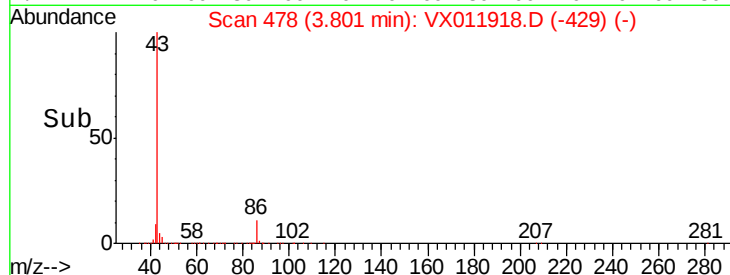
400000

200000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 52.571 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

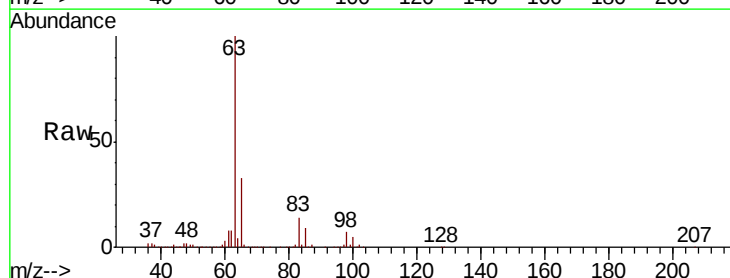
Tgt Ion: 63 Resp: 253883

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 4.7 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

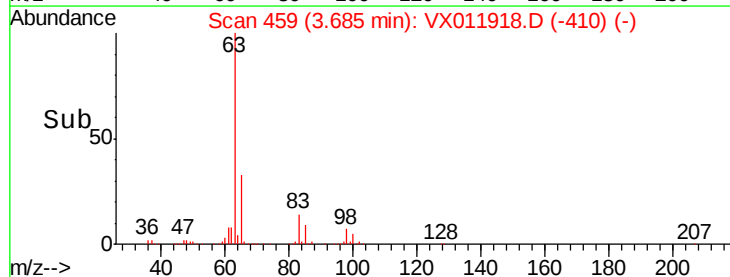
100000

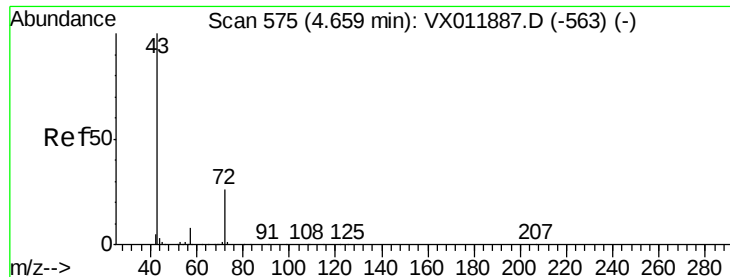
50000

0

3.60 3.70 3.80

Time-->





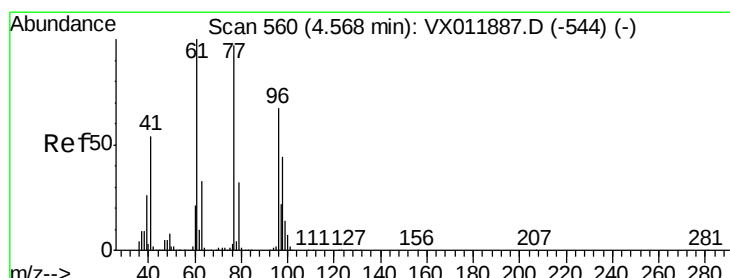
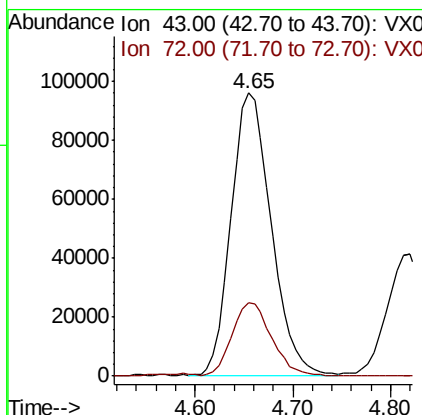
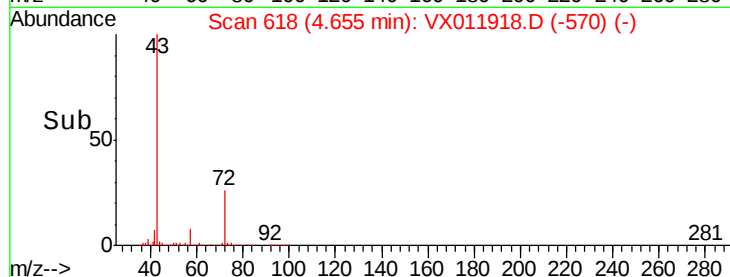
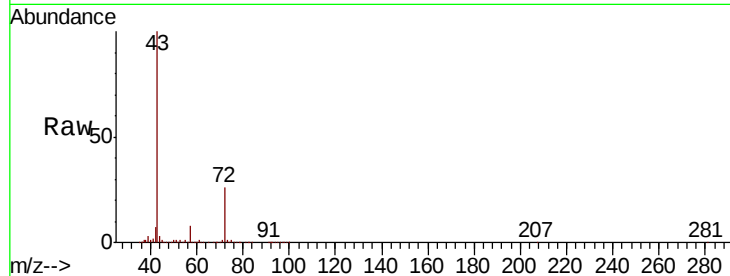
#25
2-Butanone
Concen: 279.007 ug/l
RT: 4.65 min Scan# 618
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	272755
Ion Ratio	43	100	
Lower	72	25.7	21.0
Upper			31.4

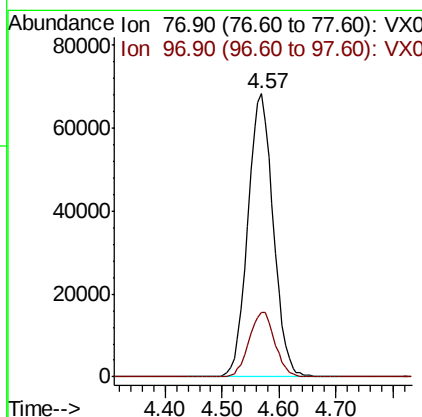
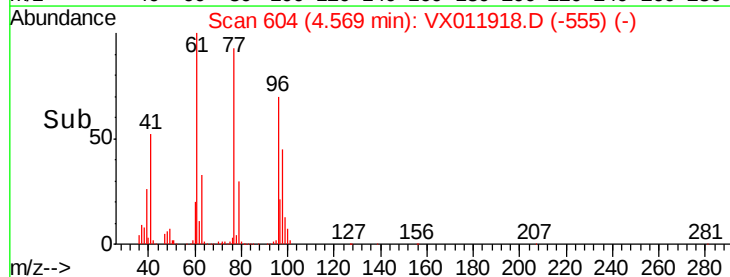
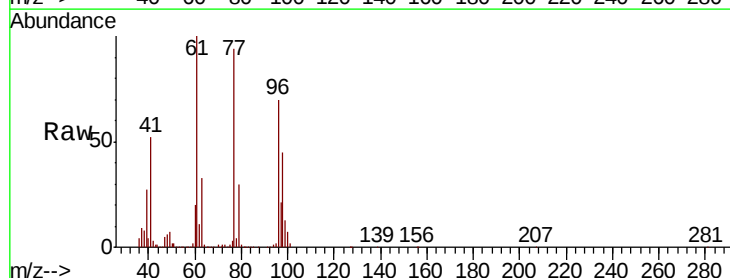
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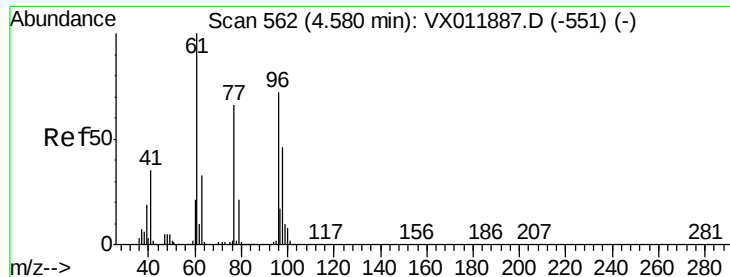
MMDadoda
9/3/2019 2:41:09 AM



#26
2,2-Dichloropropane
Concen: 52.323 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion	77	Resp	211934
Ion Ratio	77	100	
Lower	97	23.3	11.7
Upper			35.1





#27

cis-1,2-Dichloroethene

Concen: 53.196 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

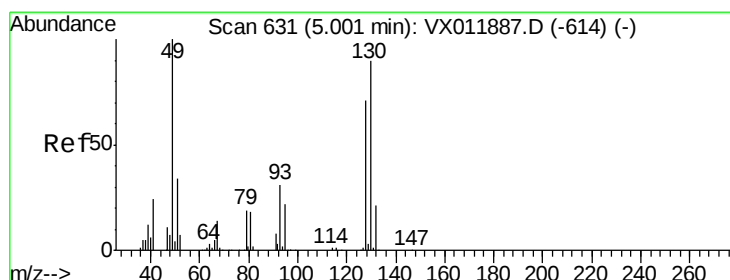
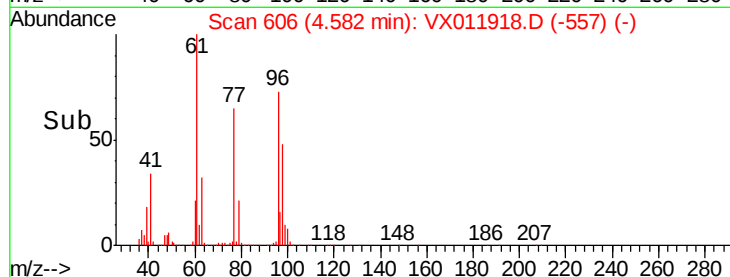
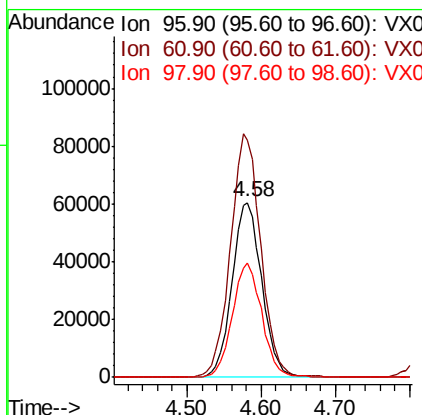
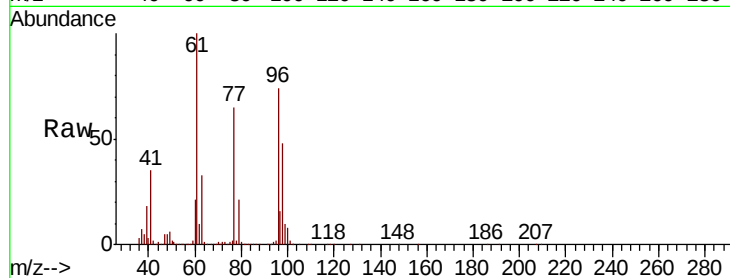
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	168796
Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	283.8
98	65.0	0.0	131.2

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#28

Bromochloromethane

Concen: 52.120 ug/l

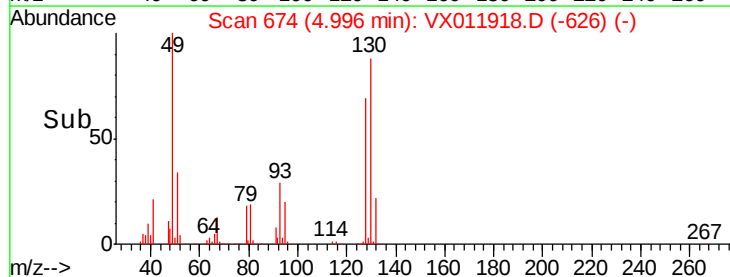
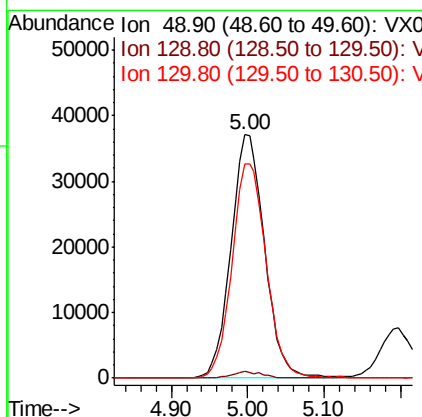
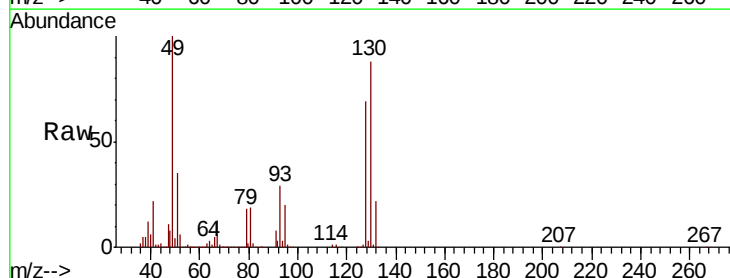
RT: 5.00 min Scan# 674

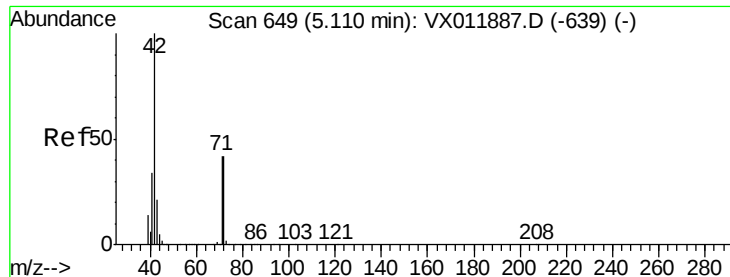
Delta R.T. -0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Tgt Ion:	49	Resp:	112944
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	89.4	70.6	105.8





#29

Tetrahydrofuran

Concen: 275.332 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

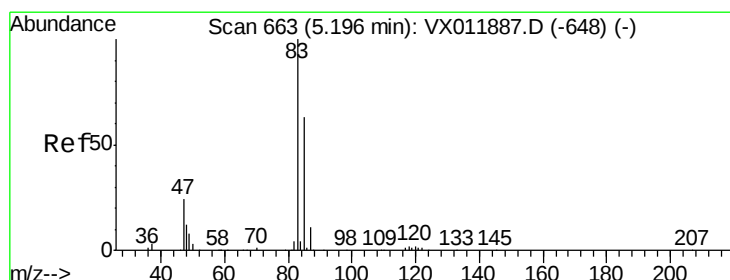
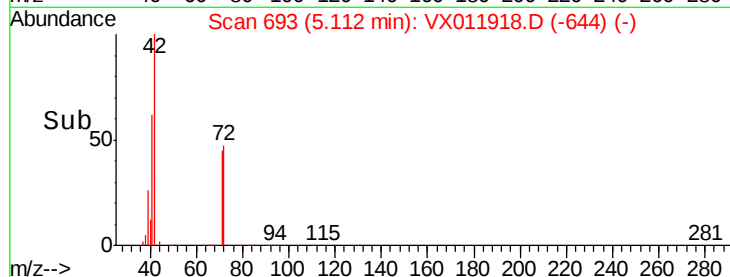
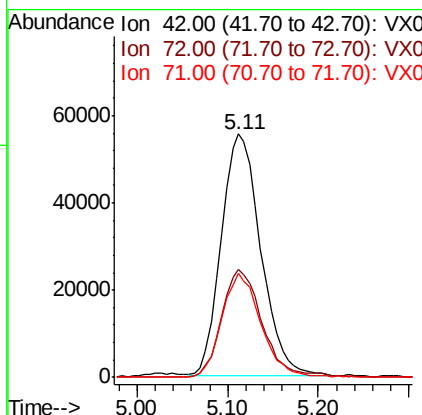
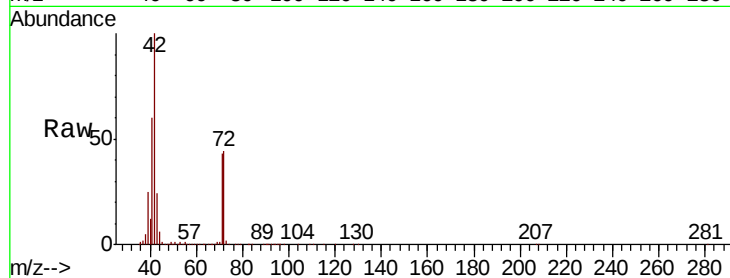
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	168001
Ion Ratio		Lower	Upper
42	100		
72	46.2	36.2	54.4
71	42.1	33.1	49.7

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#30

Chloroform

Concen: 53.047 ug/l

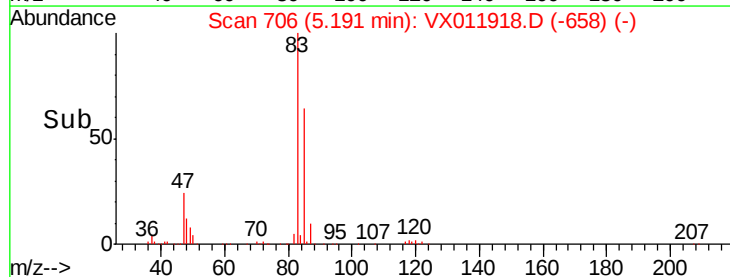
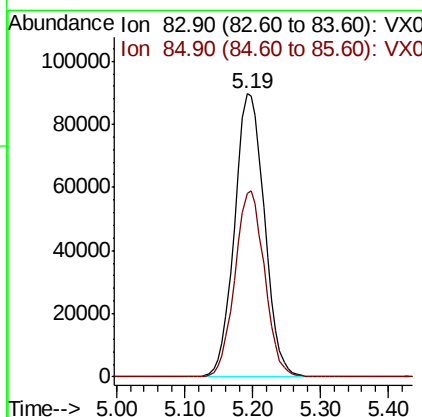
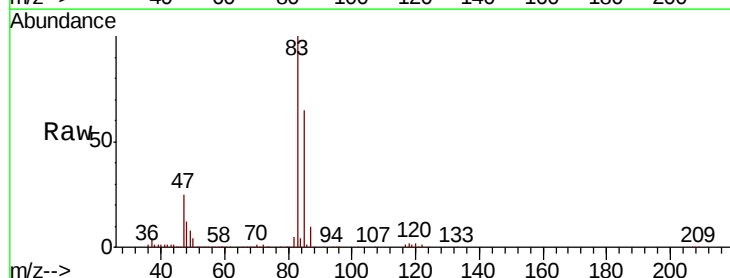
RT: 5.19 min Scan# 706

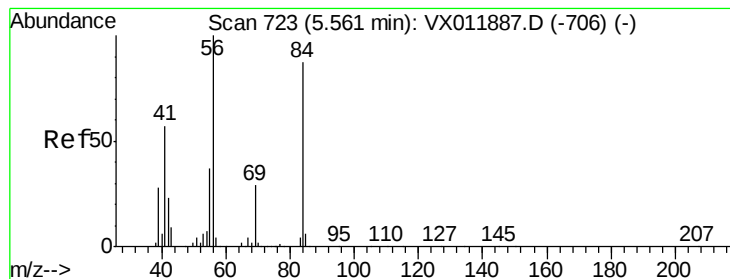
Delta R.T. -0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Tgt Ion:	83	Resp:	273917
Ion Ratio		Lower	Upper
83	100		
85	64.8	50.6	75.8





#31

Cyclohexane

Concen: 49.171 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.01 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

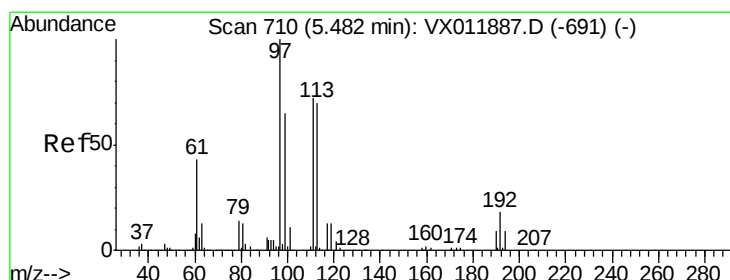
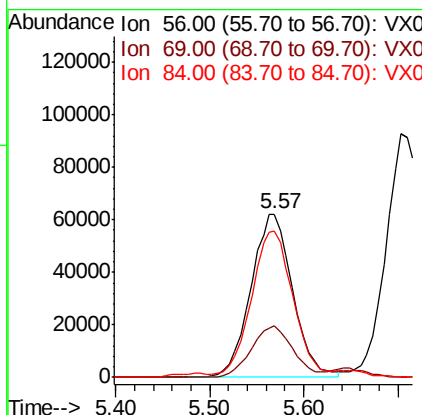
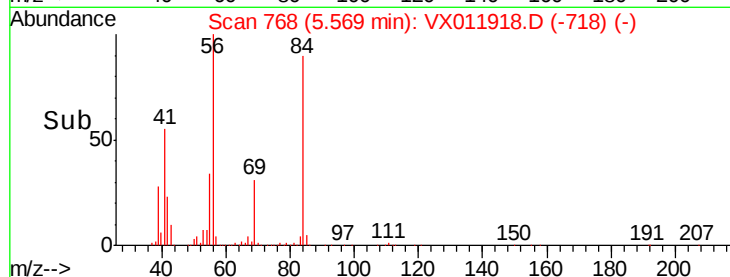
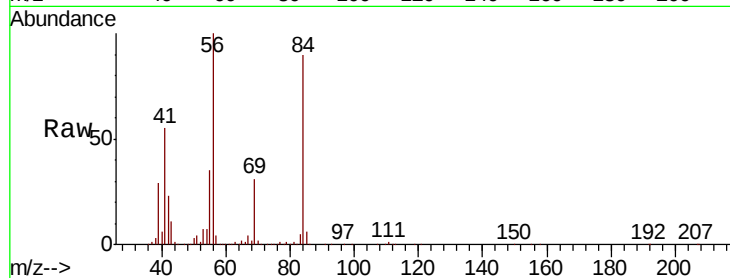
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	191535
Ion Ratio	Lower	Upper	
56	100		
69	31.2	23.1	34.7
84	87.9	69.6	104.4

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#32

1,1,1-Trichloroethane

Concen: 53.664 ug/l

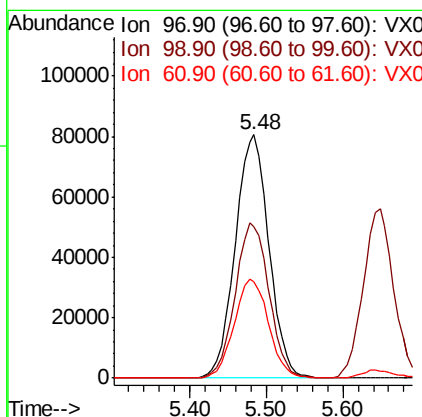
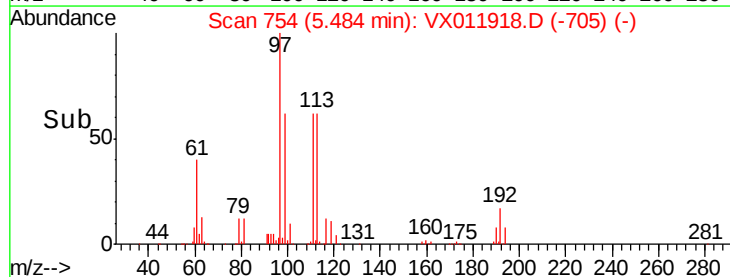
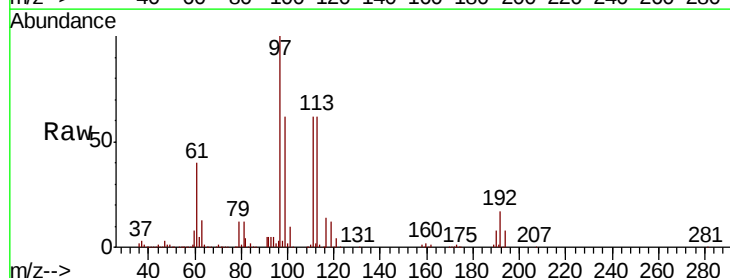
RT: 5.48 min Scan# 754

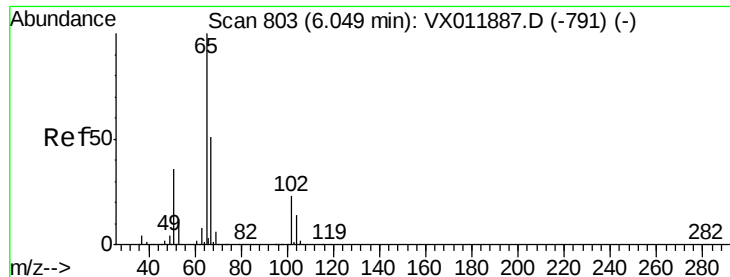
Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Tgt Ion:	97	Resp:	246152
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.8	77.8
61	41.5	33.8	50.6





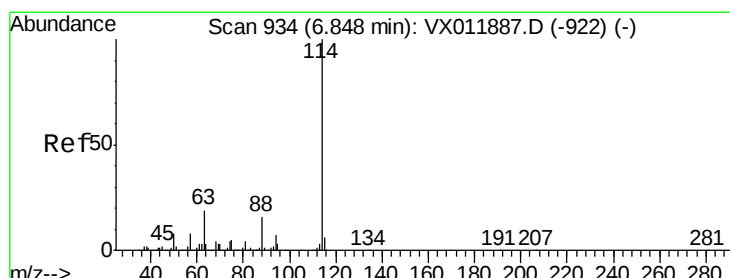
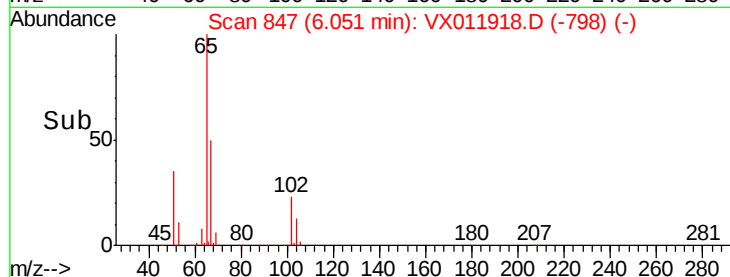
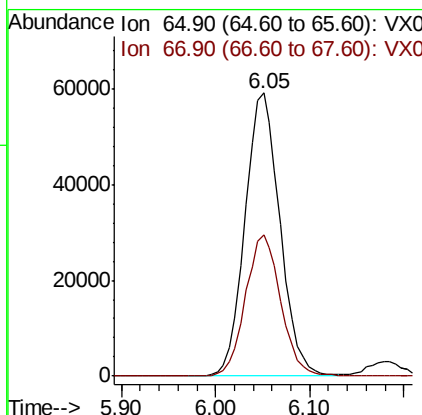
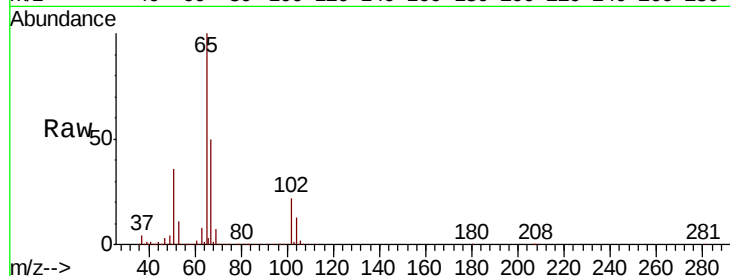
#33
 1,2-Dichloroethane-d4
 Concen: 49.048 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.3	0.0	102.2	

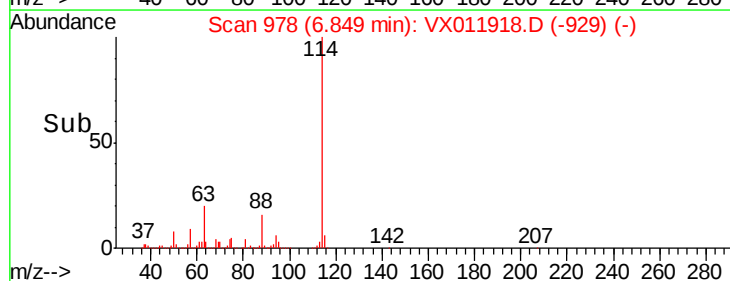
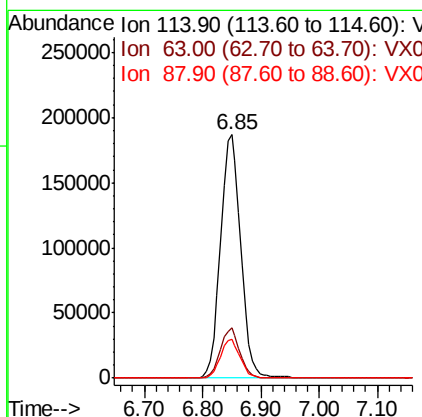
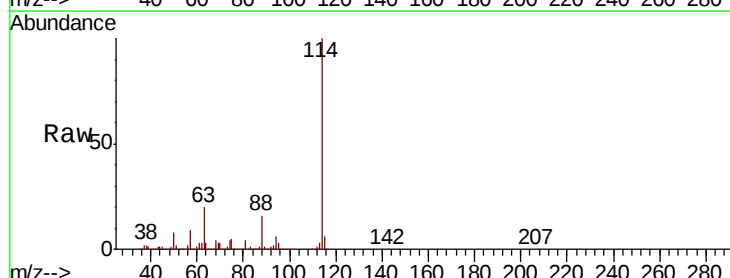
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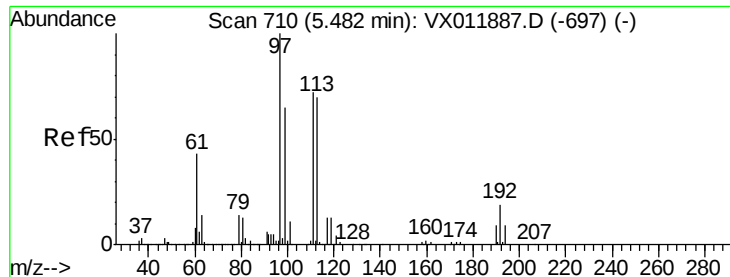
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 9/3/2019 2:41:09 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.5	0.0	38.8	
88	15.7	0.0	31.2	





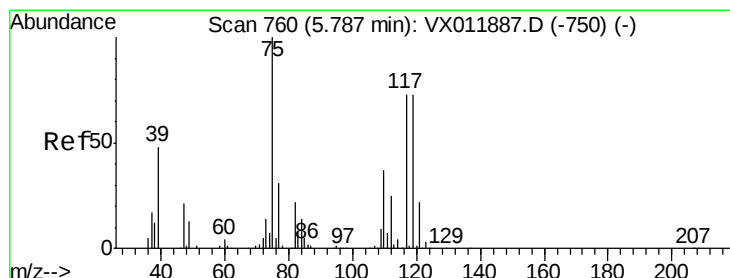
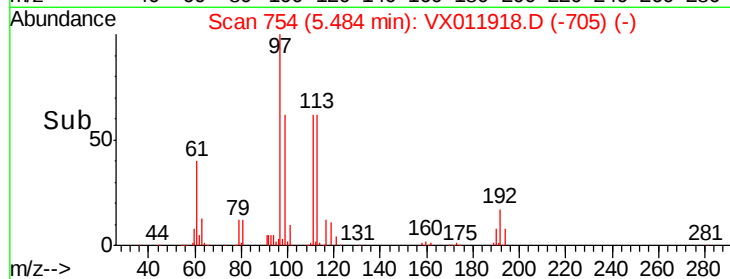
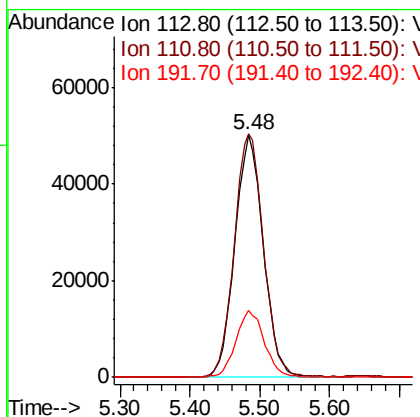
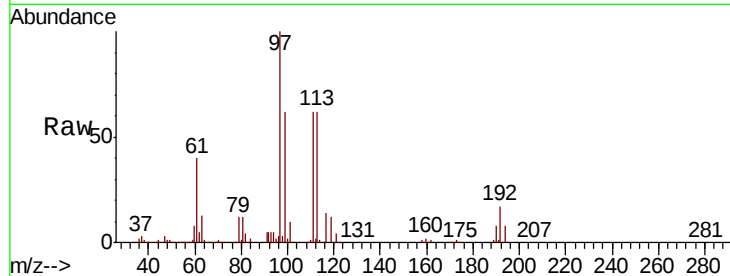
#35
 Dibromofluoromethane
 Concen: 49.104 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.1	123.1
192	27.6	21.5	32.3

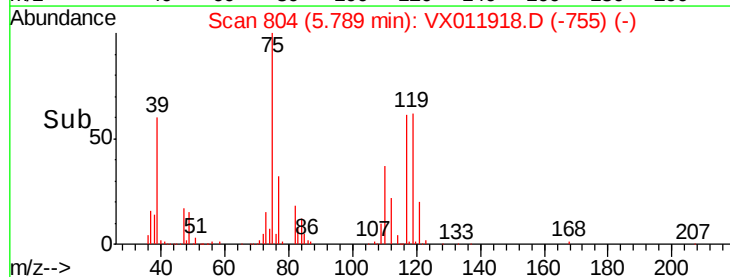
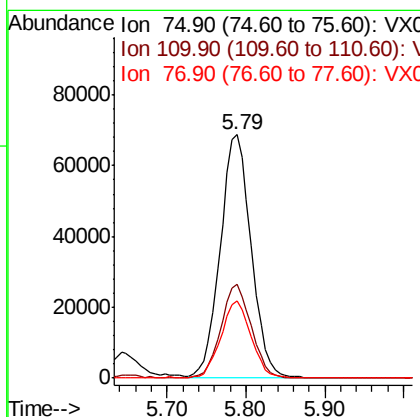
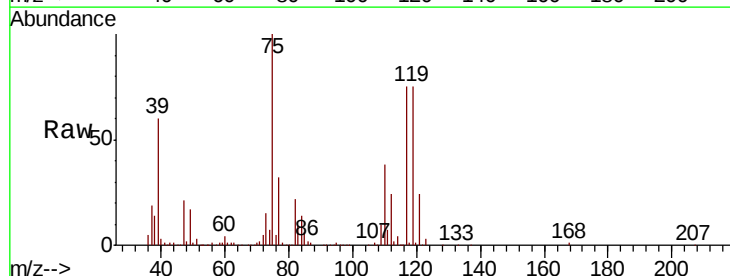
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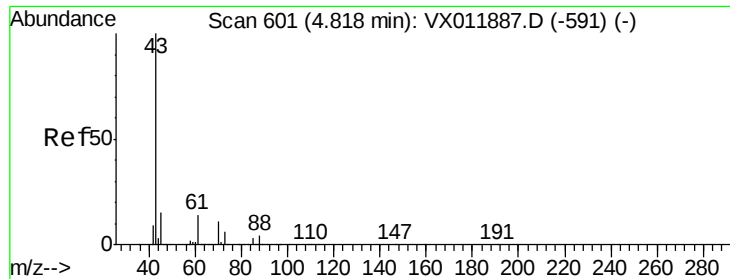
MMDadoda
 9/3/2019 2:41:09 AM



#36
 1,1-Dichloropropene
 Concen: 52.174 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.1	19.1	57.3
77	31.0	24.4	36.6





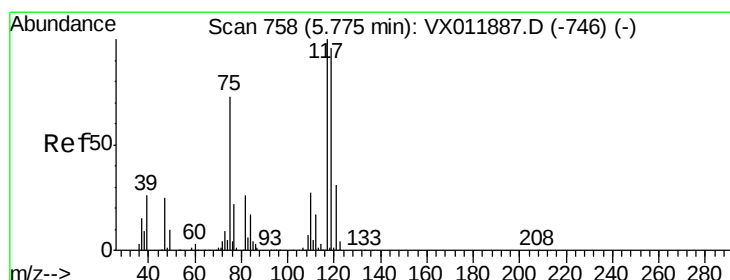
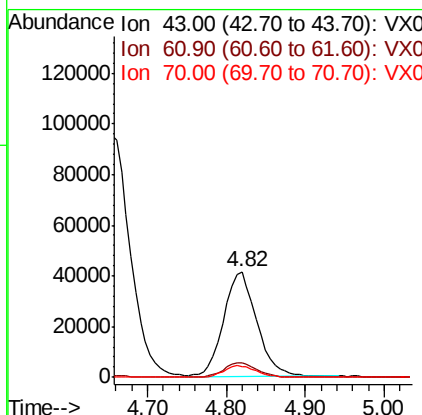
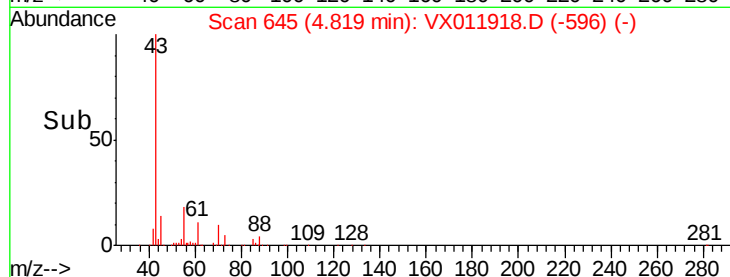
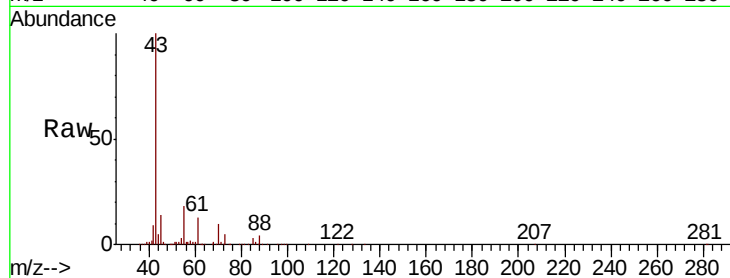
#37
Ethyl Acetate
Concen: 56.763 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	119955
Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	11.4	9.2	13.8

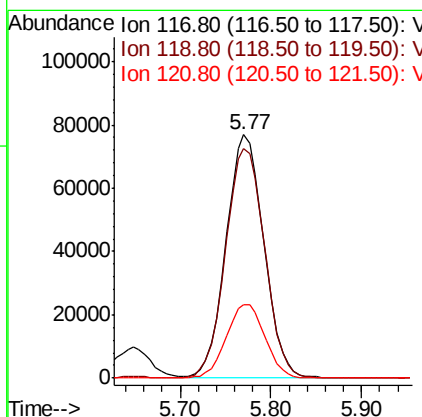
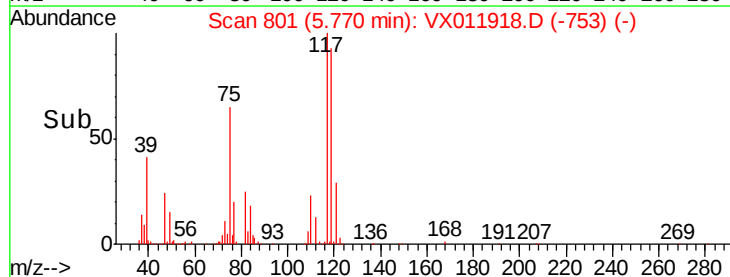
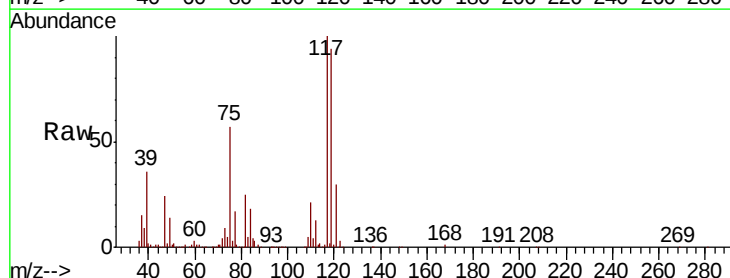
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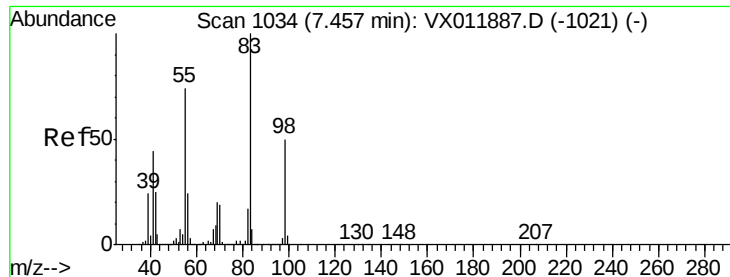
MMDadoda
9/3/2019 2:41:09 AM



#38
Carbon Tetrachloride
Concen: 53.766 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion:	117	Resp:	222615
Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.6	114.8
121	30.1	24.7	37.1





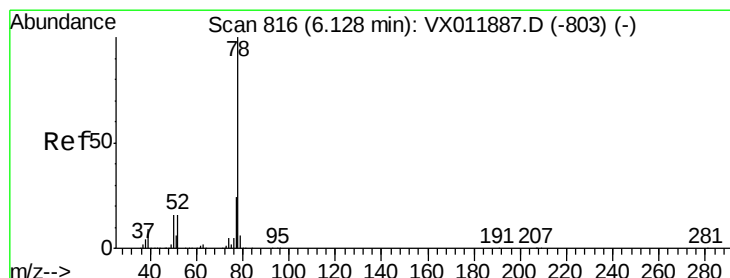
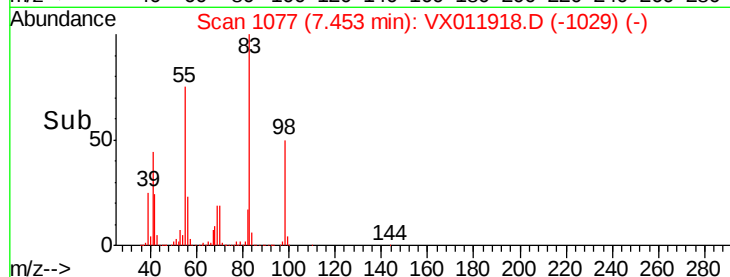
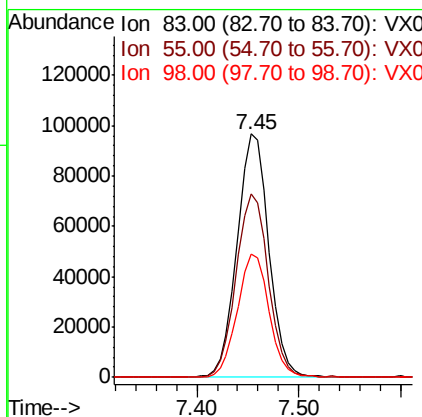
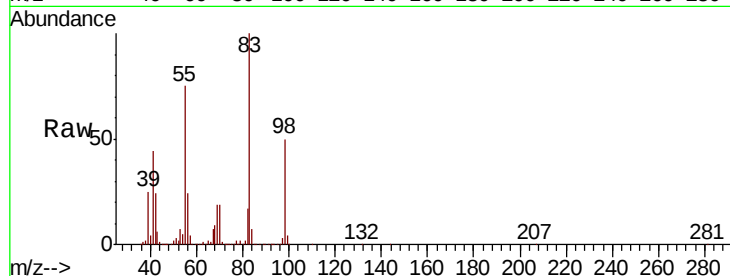
#39
Methylvlcyclohexane
Concen: 49.196 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	59.4	89.0
98	50.4	40.3	60.5

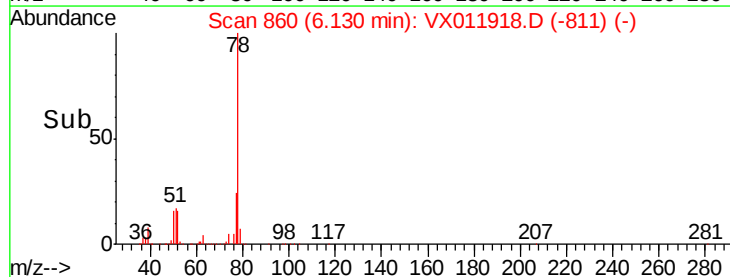
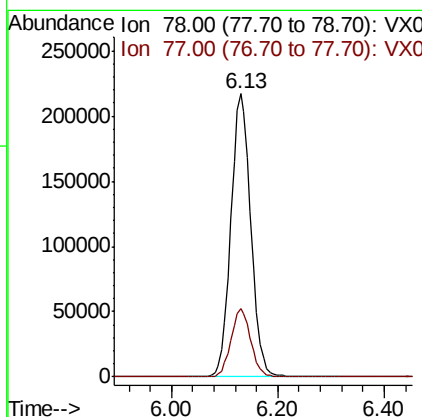
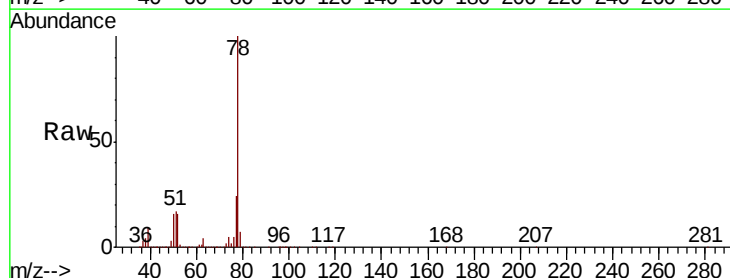
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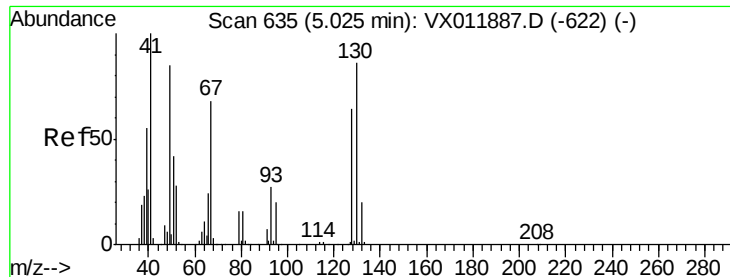
MMDadoda
9/3/2019 2:41:09 AM



#40
Benzene
Concen: 53.239 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6





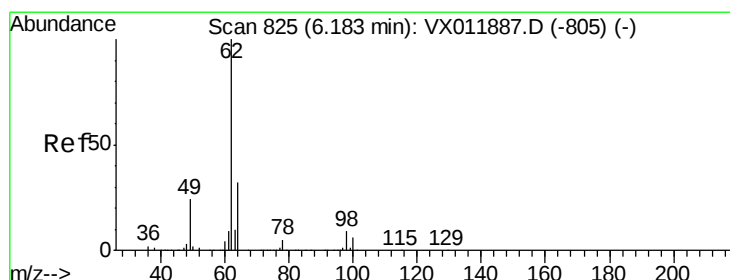
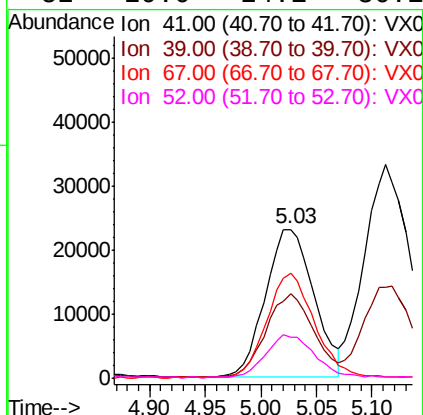
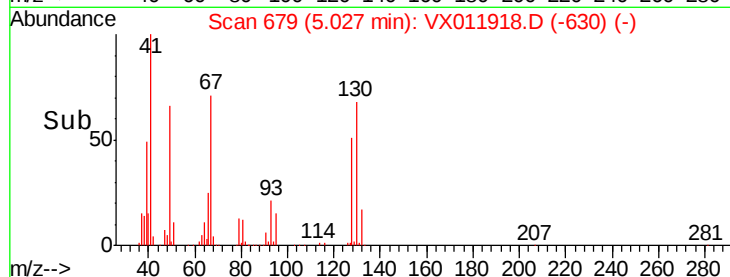
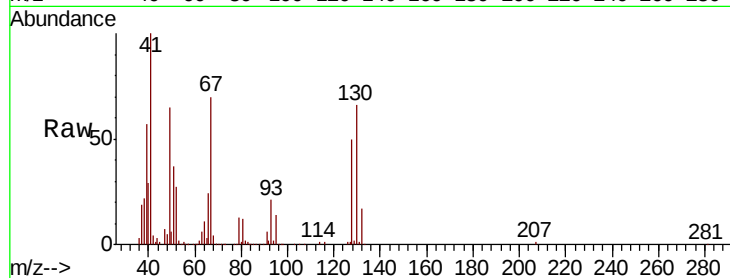
#41
Methacrylonitrile
Concen: 56.514 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	45.0	67.6	
67	68.8	55.0	82.4	
52	29.0	24.1	36.1	

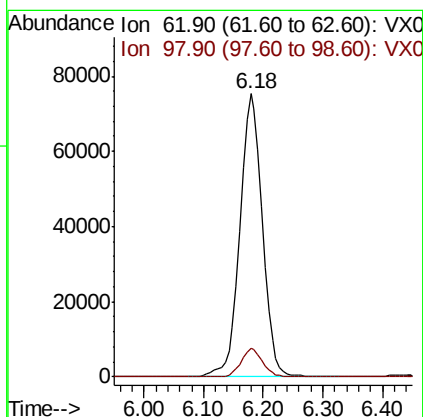
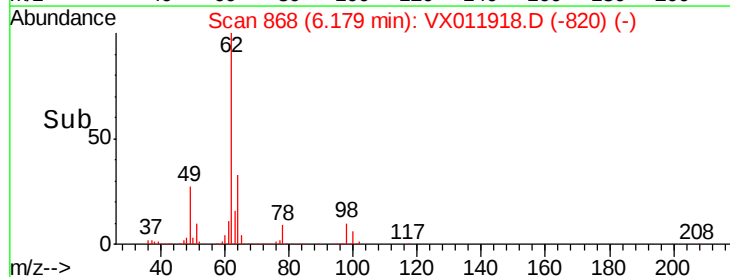
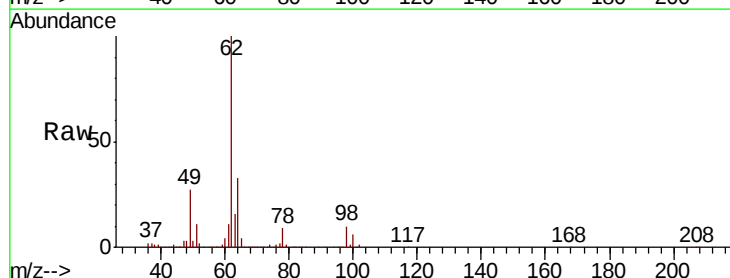
Manual Integrations
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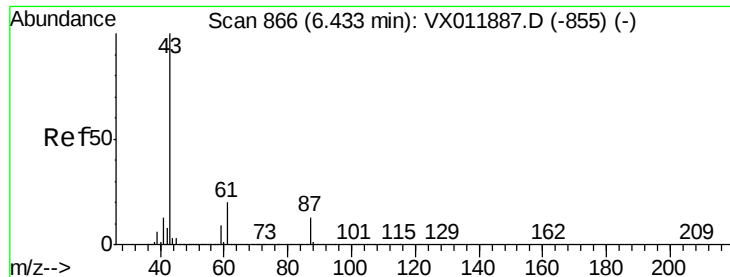
MMDadoda
9/3/2019 2:41:09 AM



#42
1,2-Dichloroethane
Concen: 54.805 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	19.2	





#43

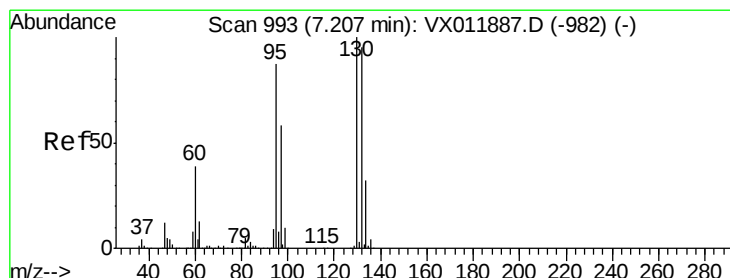
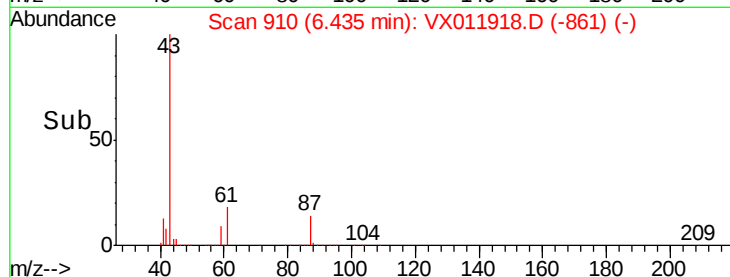
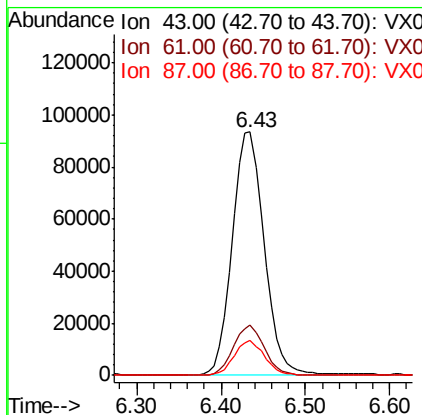
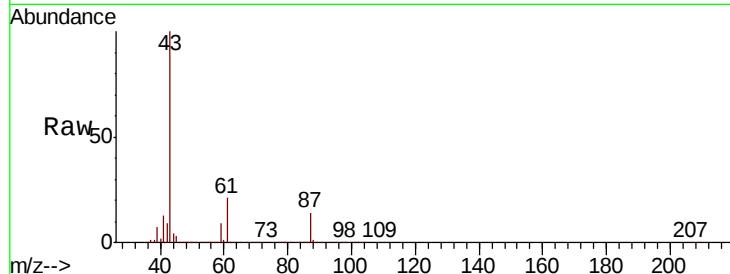
Isopropyl Acetate
 Concen: 55.516 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	237862
Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.1	24.1
87	13.6	10.6	16.0

Manual Integrations
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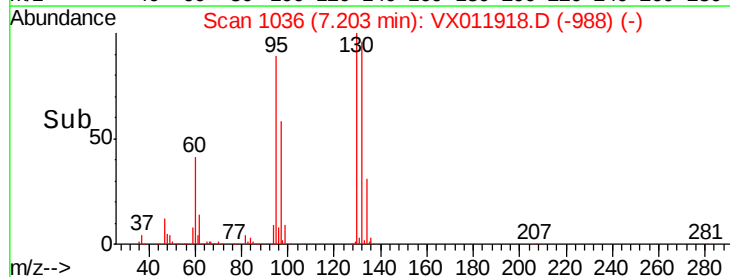
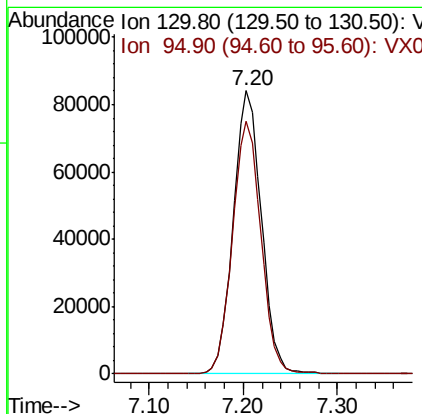
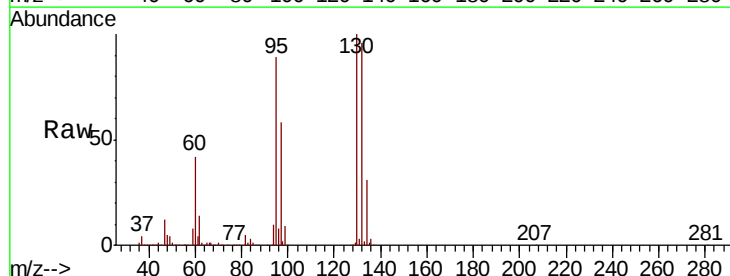
MMDadoda
 9/3/2019 2:41:09 AM

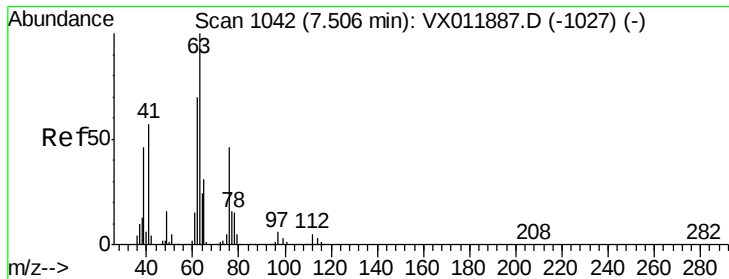


#44

Trichloroethene
 Concen: 53.024 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Tgt Ion	130	Resp	174827
Ion	Ratio	Lower	Upper
130	100		
95	89.0	0.0	174.6





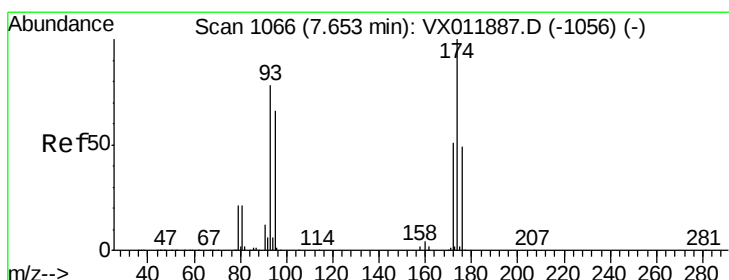
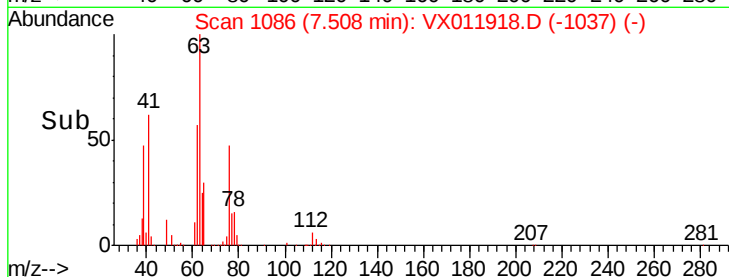
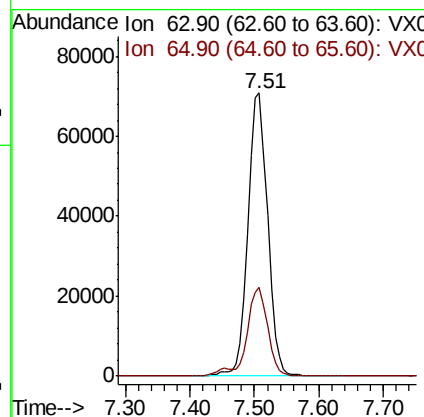
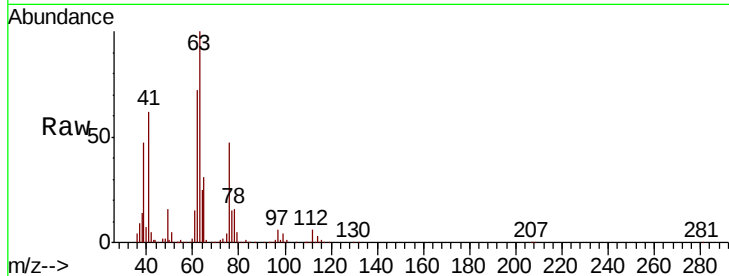
#45
 1,2-Dichloropropane
 Concen: 53.445 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.1	37.7

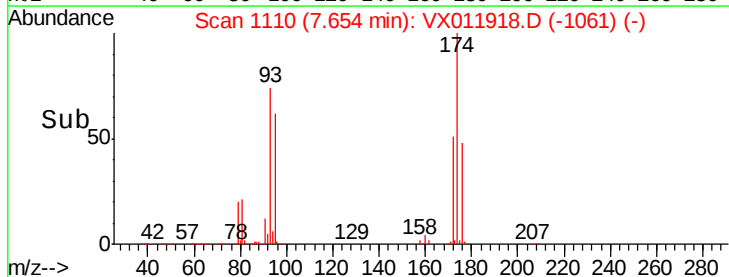
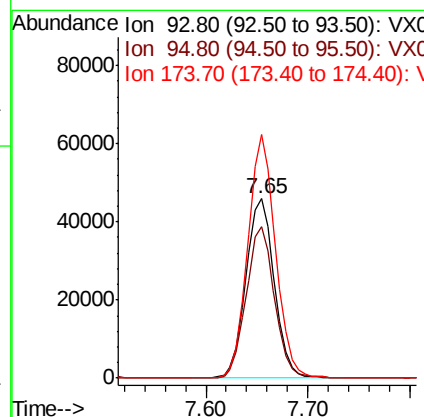
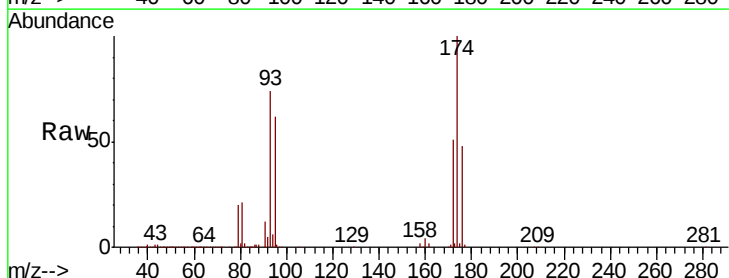
Manual Integrations
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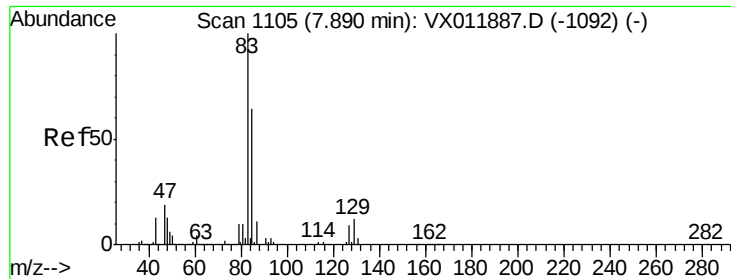
MMDadoda
 9/3/2019 2:41:09 AM



#46
 Dibromomethane
 Concen: 53.842 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	65.7	98.5
174	132.5	104.2	156.4





#47

Bromodichloromethane

Concen: 54.144 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

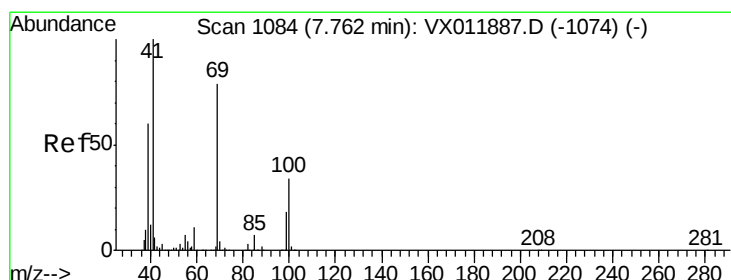
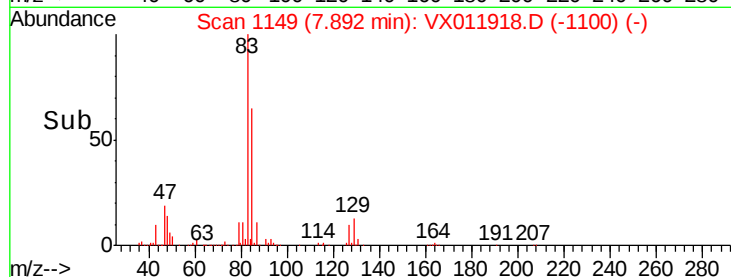
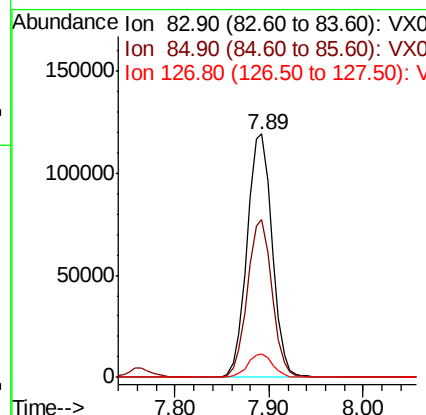
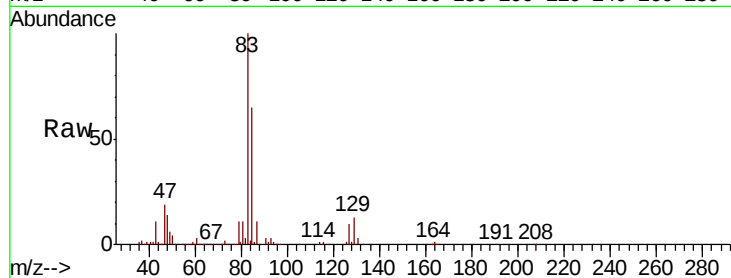
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	222109
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.1	76.7
127	9.7	7.4	11.2

Manual Integrations
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9/3/2019 2:41:09 AM



#48

Methyl methacrylate

Concen: 56.570 ug/l

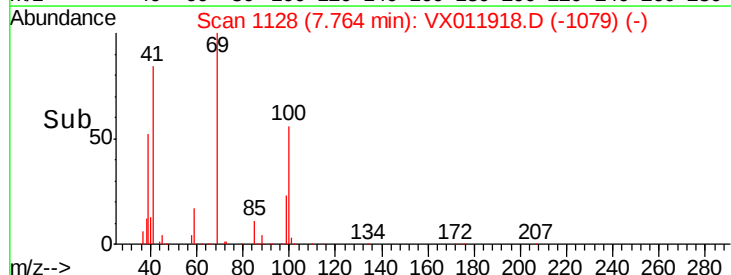
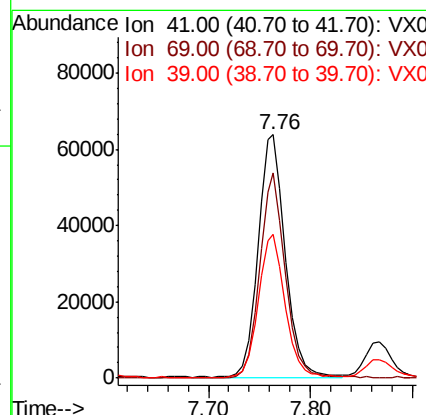
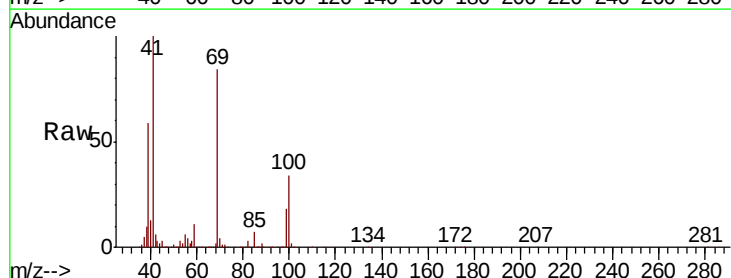
RT: 7.76 min Scan# 1128

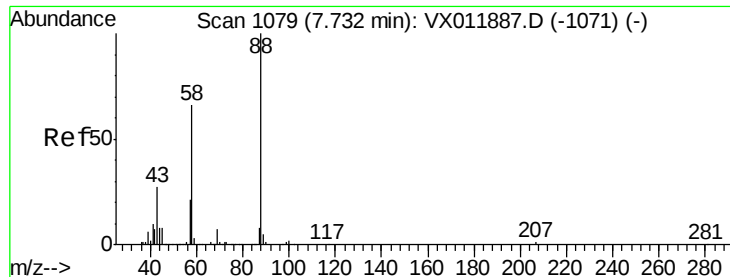
Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Tgt Ion:	41	Resp:	117931
Ion Ratio	Lower	Upper	
41	100		
69	79.7	64.4	96.6
39	58.5	47.2	70.8





#49

1,4-Dioxane

Concen: 1157.629 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

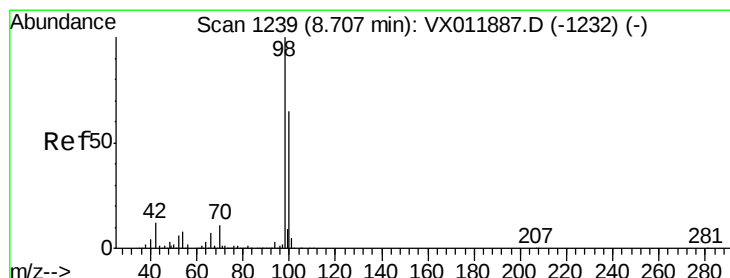
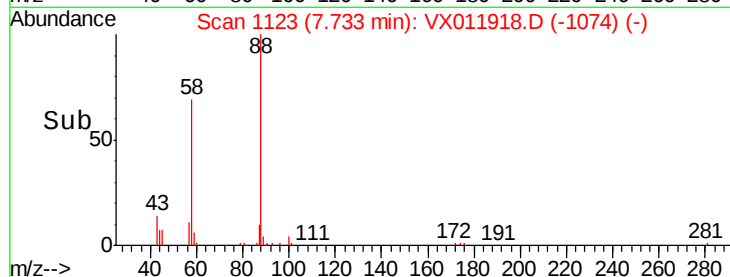
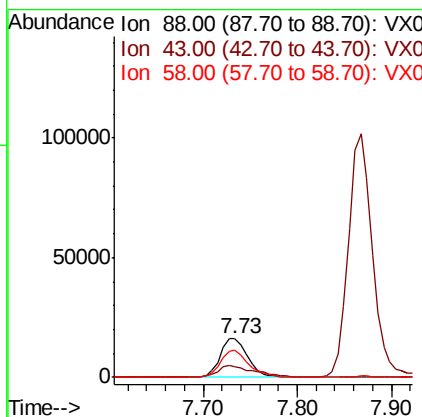
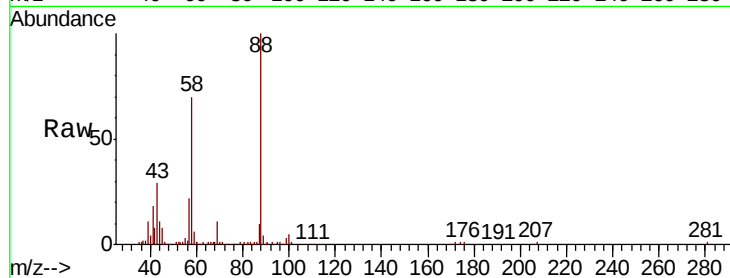
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	33186
Ion	Ratio	Lower	Upper
88	100		
43	35.3	27.3	40.9
58	69.8	53.9	80.9

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#50

Toluene-d8

Concen: 49.965 ug/l

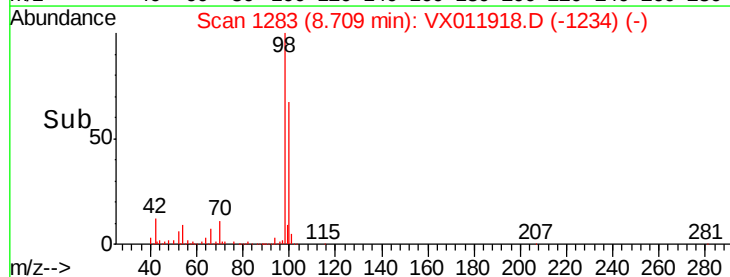
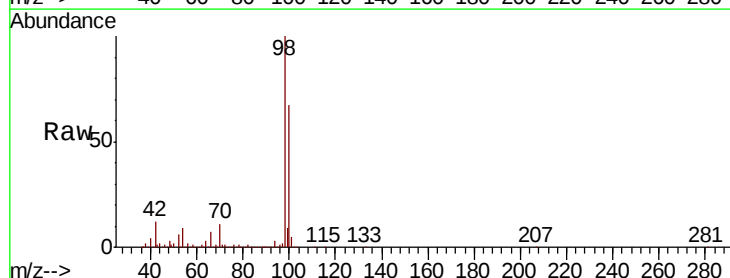
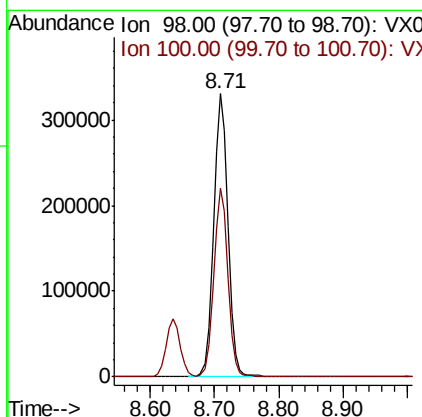
RT: 8.71 min Scan# 1283

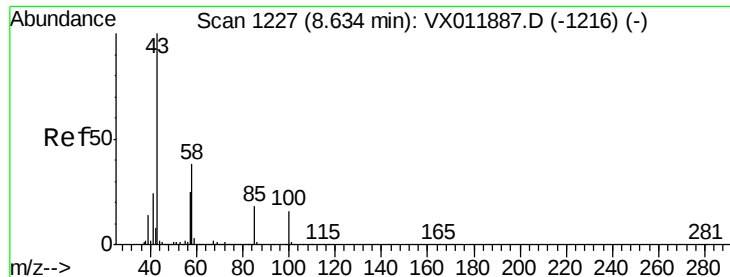
Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Tgt Ion:	98	Resp:	516117
Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 286.131 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 622788

Ion Ratio Lower Upper

43 100

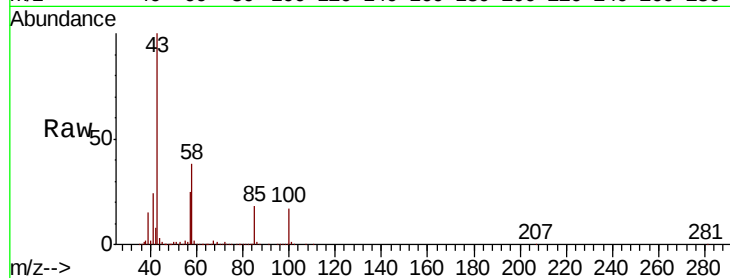
58 38.3 30.9 46.3

Manual Integrations

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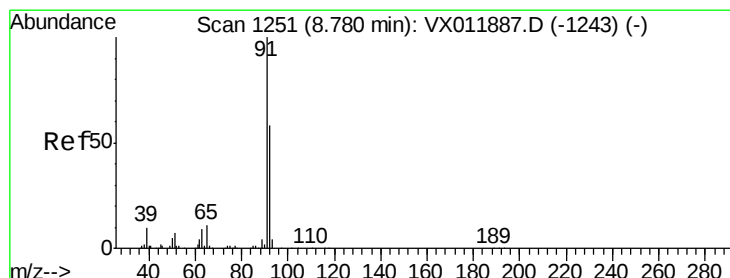
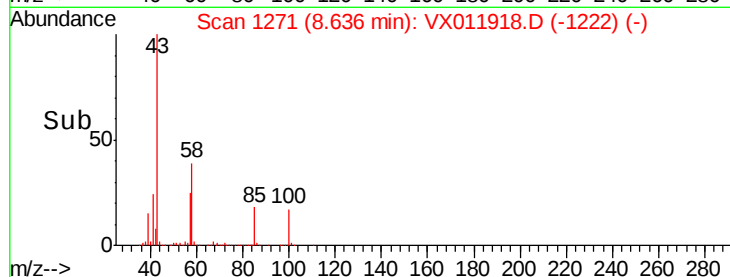
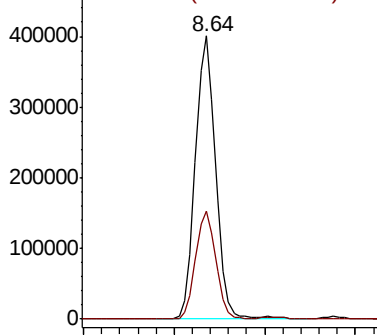
MMDadoda

9/3/2019 2:41:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 53.490 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX011918.D

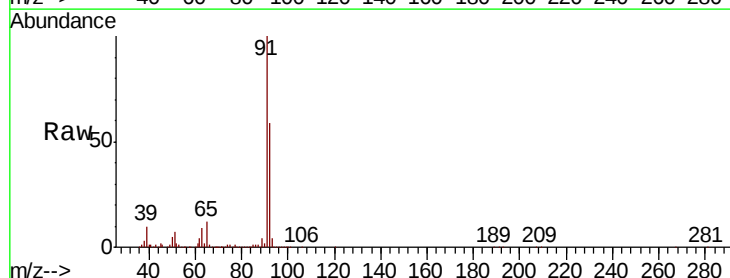
Acq: 30 Aug 2019 20:09

Tgt Ion: 92 Resp: 377109

Ion Ratio Lower Upper

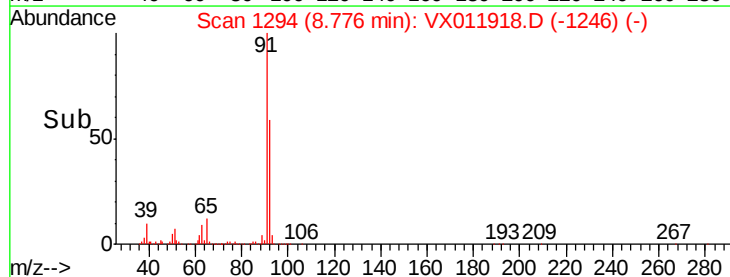
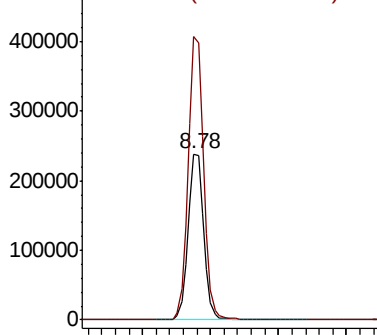
92 100

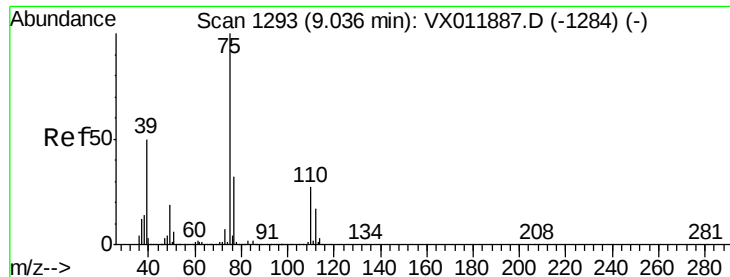
91 169.9 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 53.923 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 226584

Ion Ratio Lower Upper

75 100

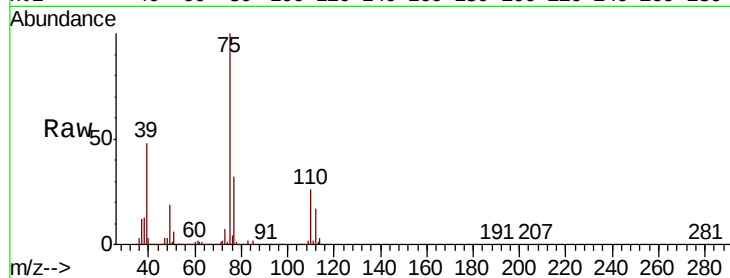
77 31.5 25.6 38.4

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9/3/2019 2:41:09 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

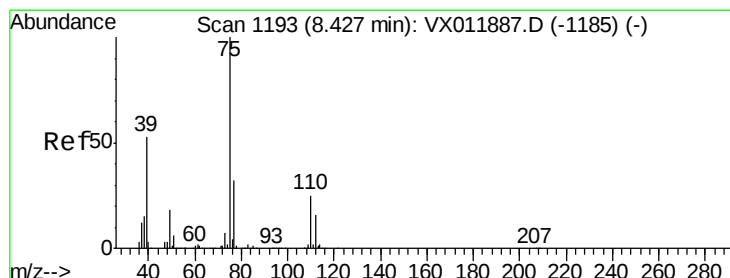
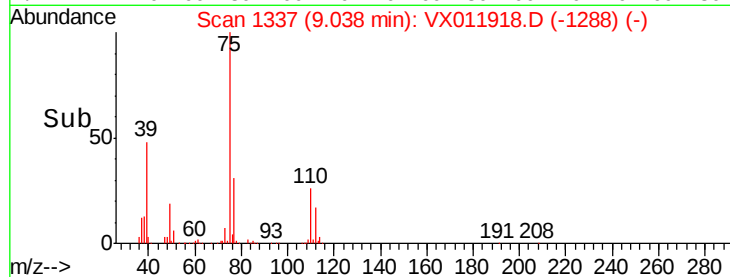
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.199 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

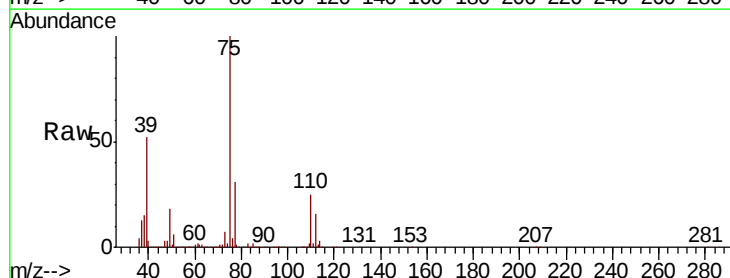
Tgt Ion: 75 Resp: 250938

Ion Ratio Lower Upper

75 100

77 30.8 25.5 38.3

39 51.8 42.6 64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

200000

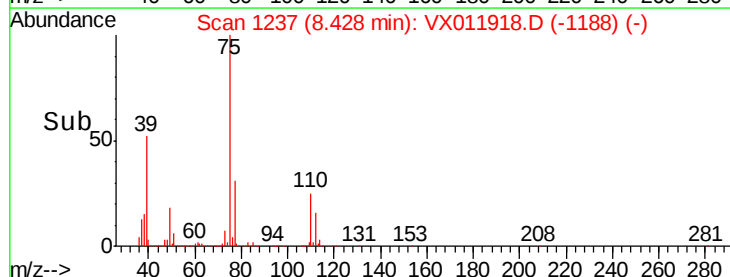
150000

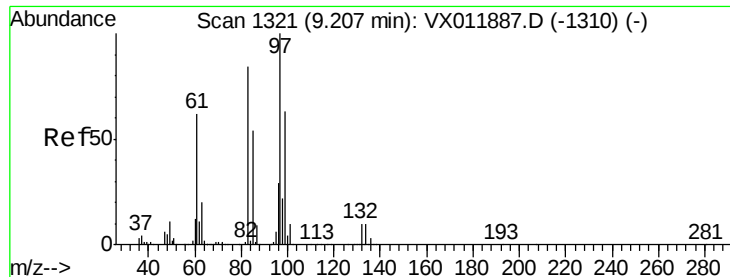
100000

50000

0

Time-->





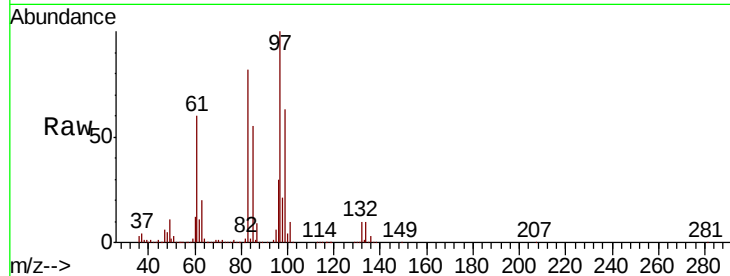
#55
 1,1,2-Trichloroethane
 Concen: 54.116 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

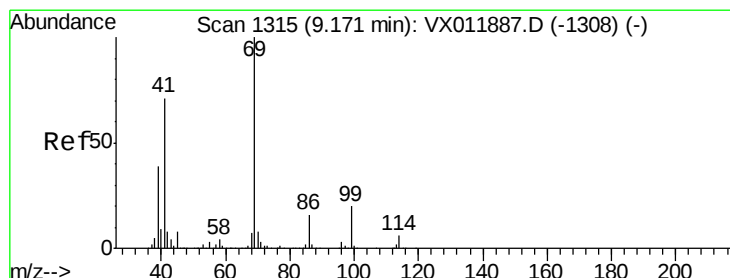
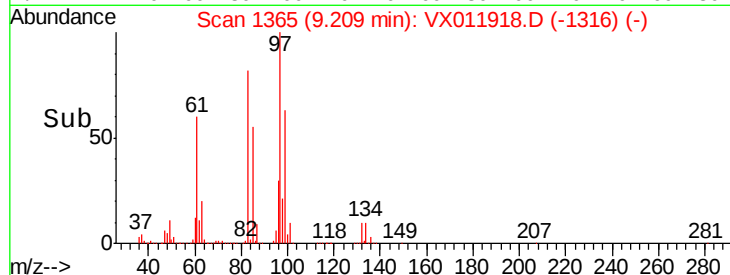
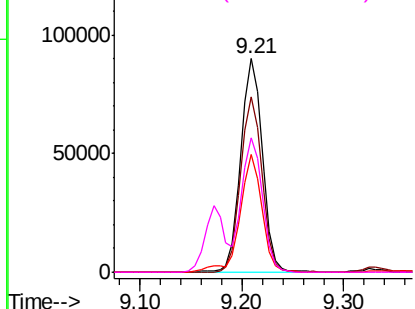
Tot Ion:	97	Resp:	131062
Ion	Ratio	Lower	Upper
97	100		
83	82.3	66.8	100.2
85	55.0	43.5	65.3
99	62.9	50.6	75.8

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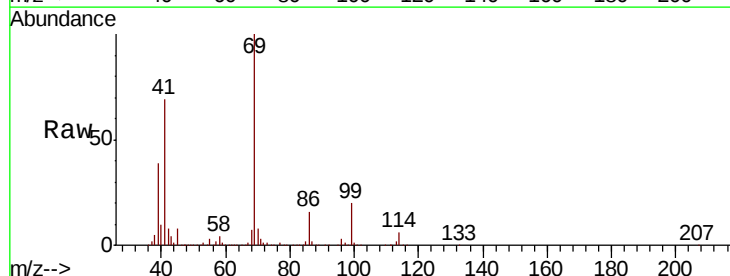


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

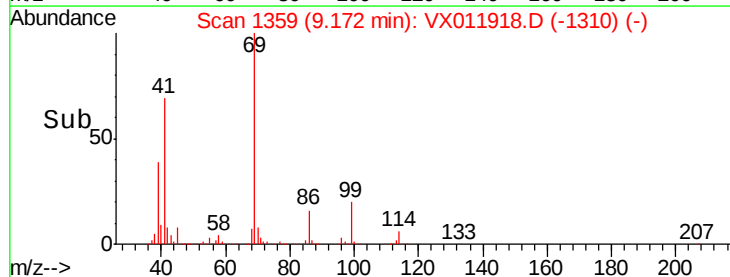
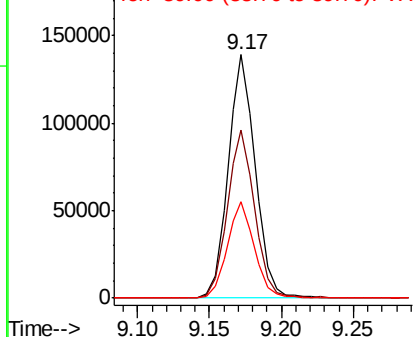


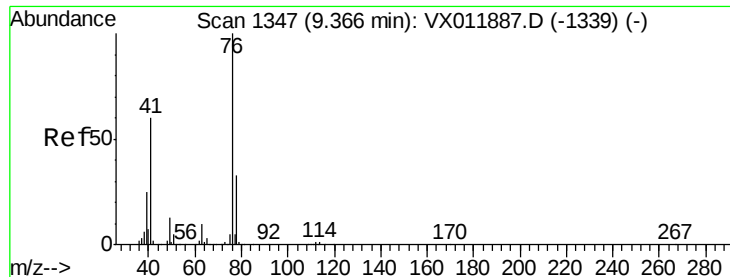
#56
 Ethyl methacrylate
 Concen: 54.545 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Tgt Ion:	69	Resp:	183338
Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.8	83.8
39	39.0	31.1	46.7



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 54.287 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 218222

Ion Ratio Lower Upper

76 100

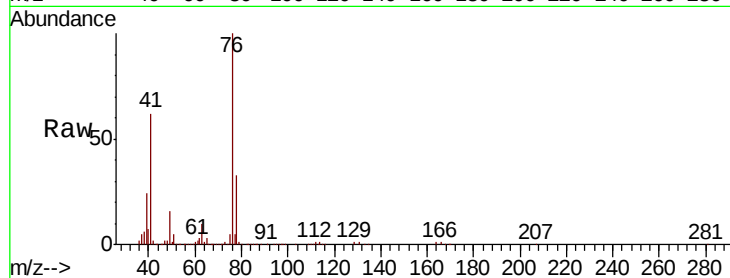
78 32.3 26.4 39.6

Manual Integrations

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MMDadoda

9/3/2019 2:41:09 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

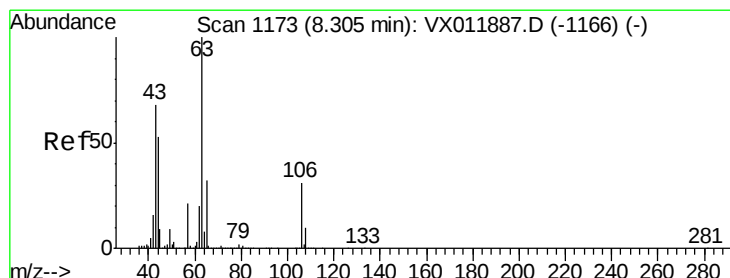
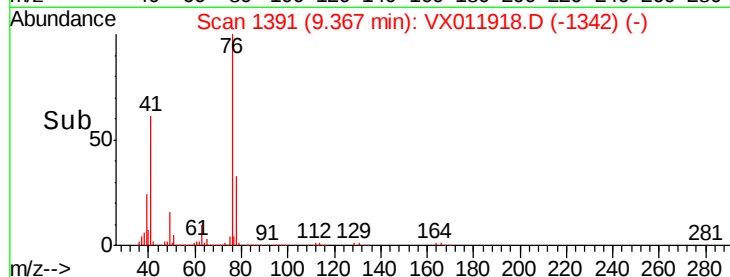
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 269.718 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX011918.D

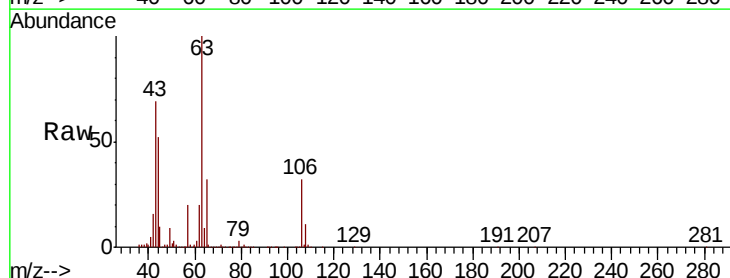
Acq: 30 Aug 2019 20:09

Tgt Ion: 63 Resp: 431802

Ion Ratio Lower Upper

63 100

106 31.5 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

300000

250000

200000

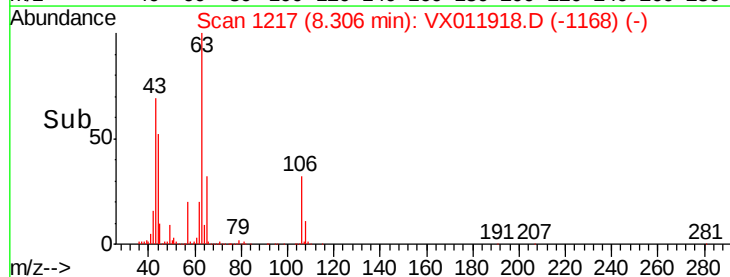
150000

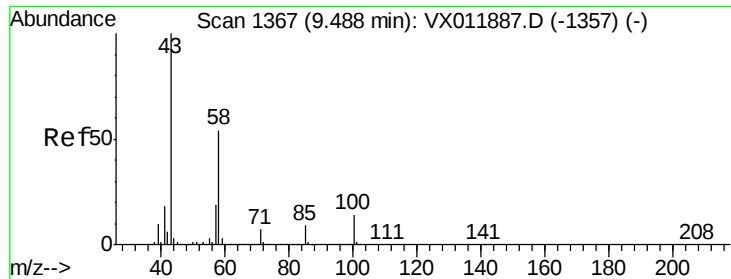
100000

50000

0

Time-->





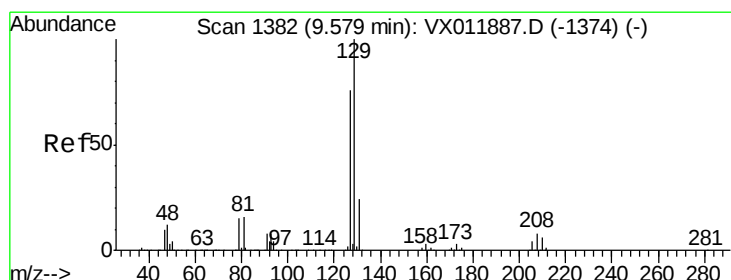
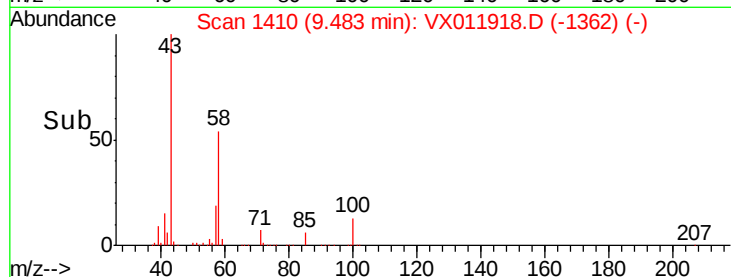
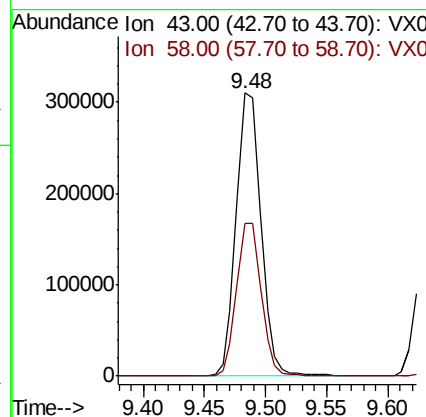
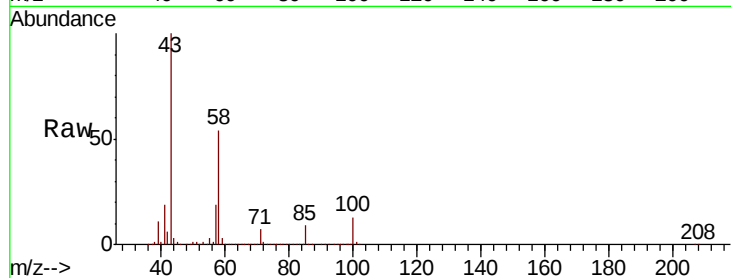
#59
2-Hexanone
Concen: 280.901 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 434303
Ion Ratio Lower Upper
43 100
58 54.1 26.8 80.4

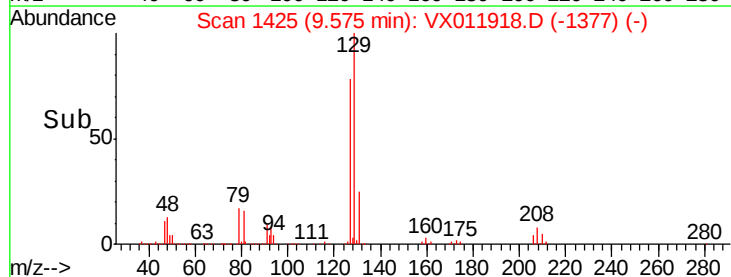
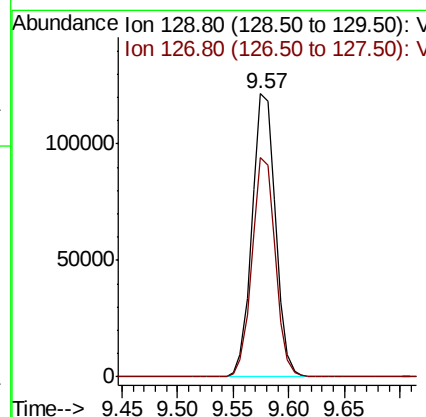
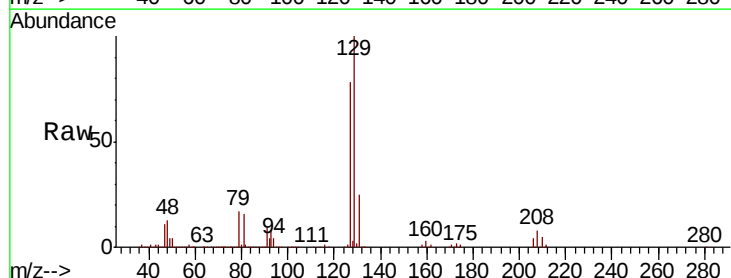
Manual Integrations
APPROVED

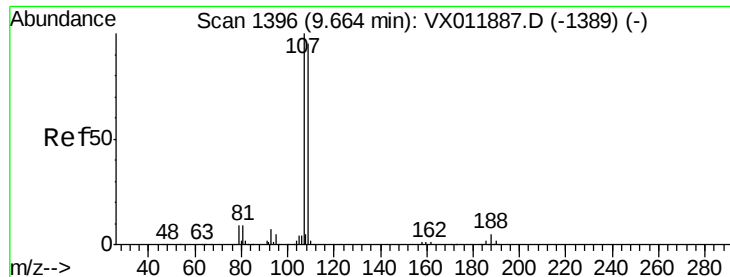
MMDadoda
9/3/2019 2:41:09 AM



#60
Dibromochloromethane
Concen: 54.942 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion: 129 Resp: 178713
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.7





#61

1,2-Dibromoethane

Concen: 55.485 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 133229

Ion Ratio Lower Upper

107 100

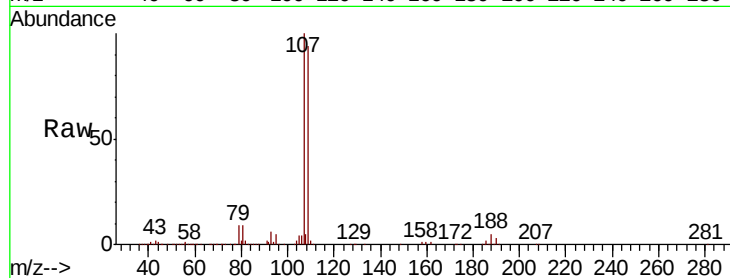
109 93.7 75.3 112.9

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

60000

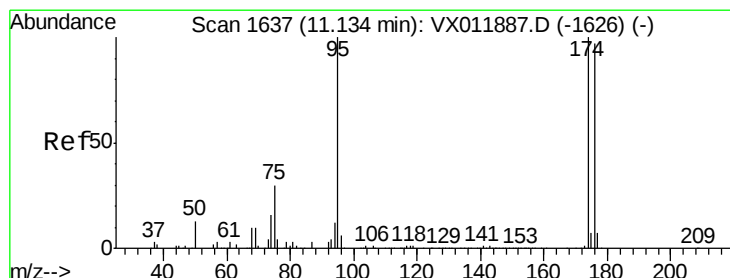
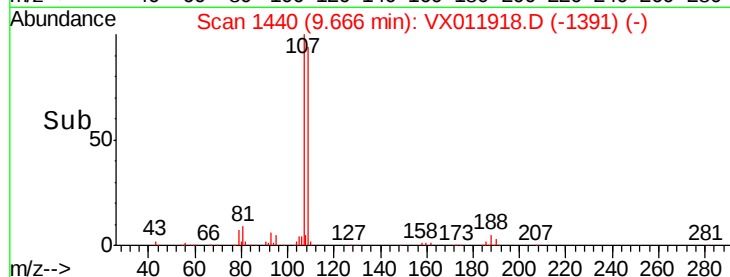
40000

20000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 46.843 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

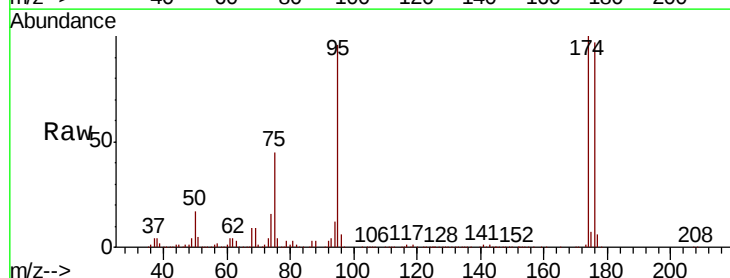
Tgt Ion: 95 Resp: 212256

Ion Ratio Lower Upper

95 100

174 99.1 0.0 196.0

176 97.6 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

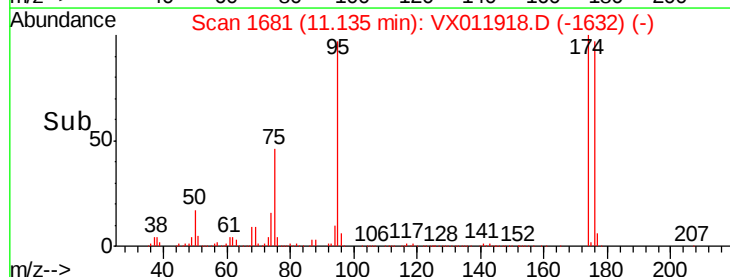
100000

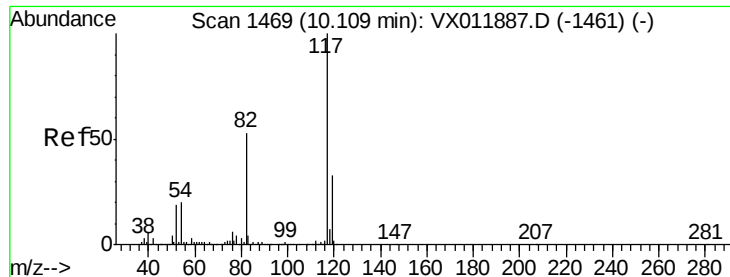
50000

0

11.10 11.20

Time-->





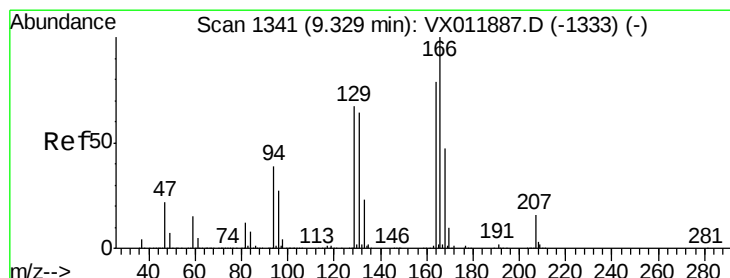
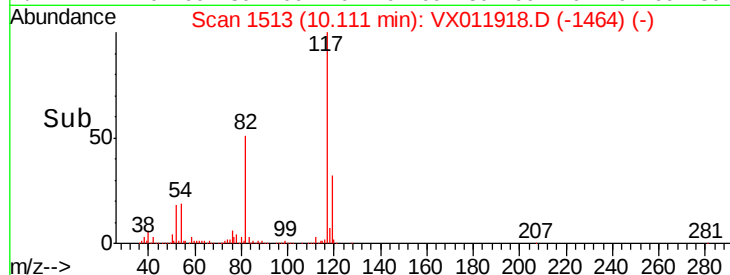
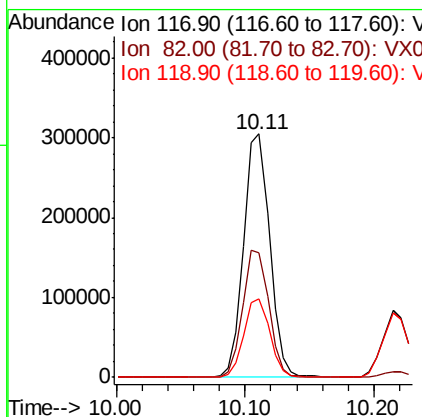
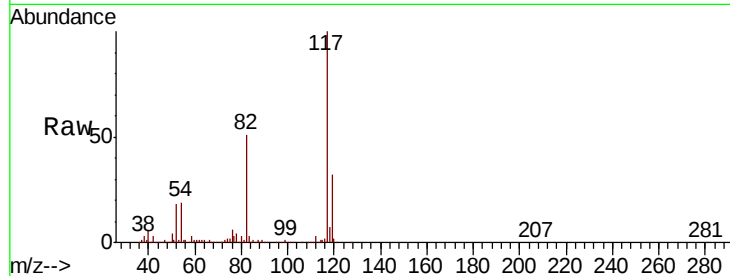
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	42.0	63.0
119	32.1	26.2	39.4

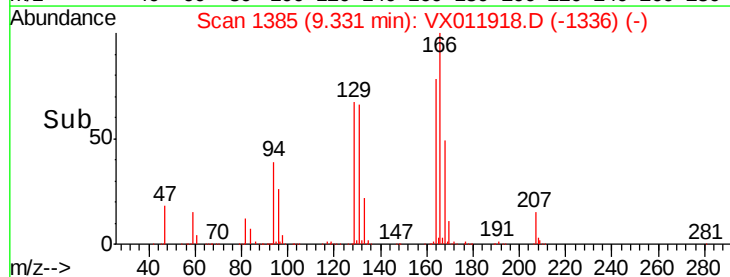
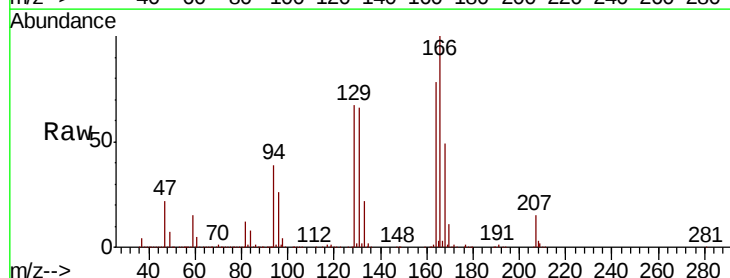
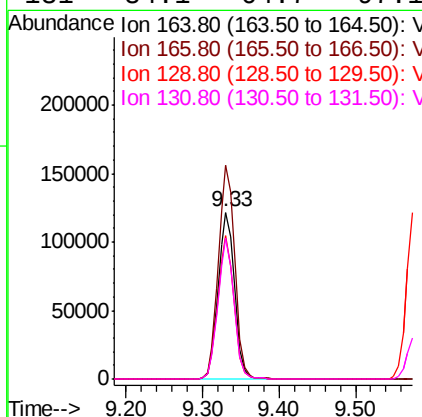
Manual Integrations
APPROVED

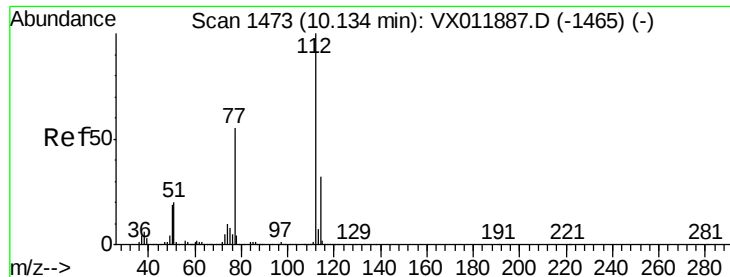
MMDadoda
9/3/2019 2:41:09 AM



#64
Tetrachloroethene
Concen: 52.603 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.4	152.0
129	86.0	68.0	102.0
131	84.1	64.7	97.1





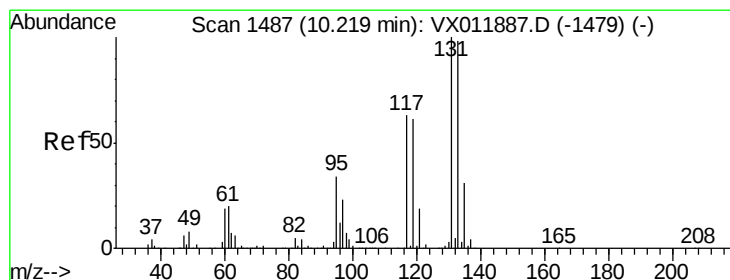
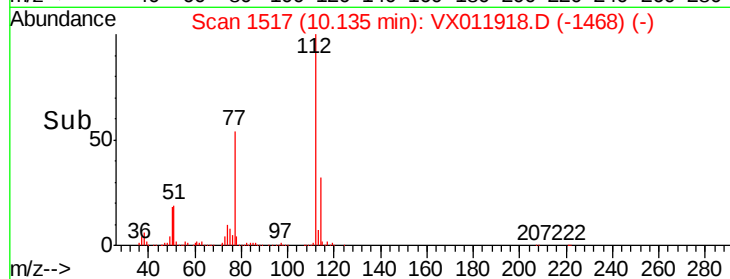
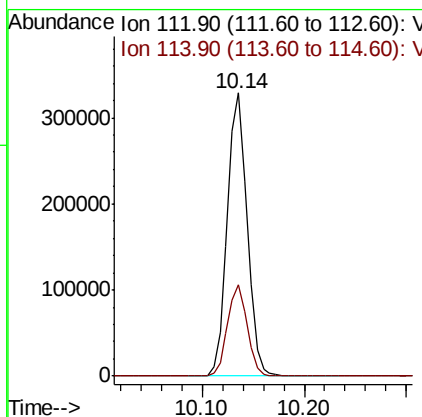
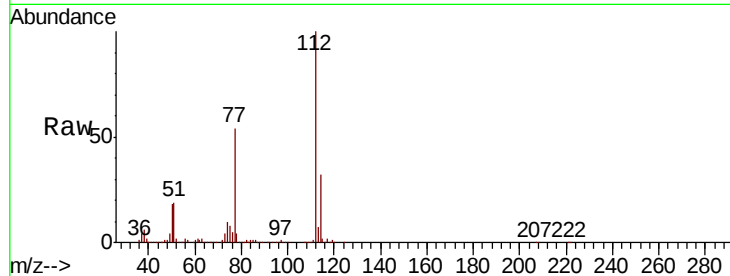
#65
Chlorobenzene
Concen: 53.555 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.9	38.9

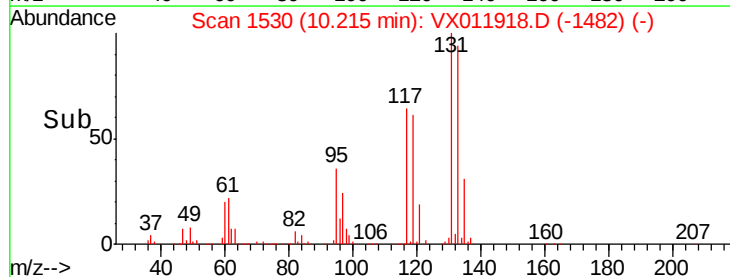
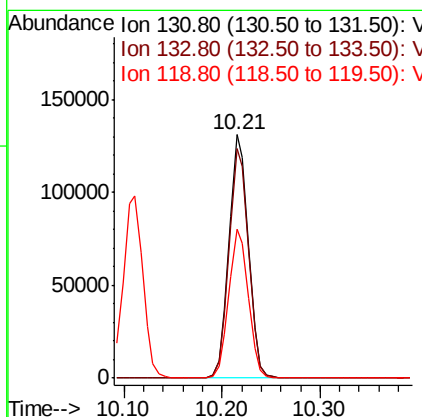
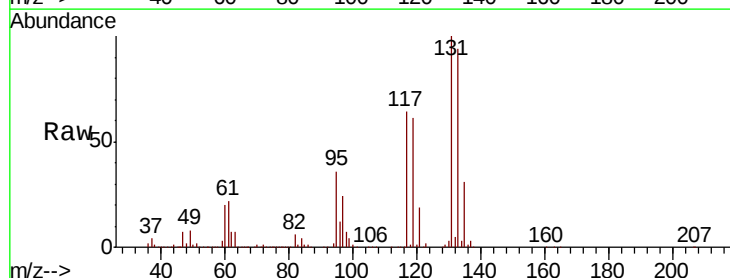
Manual Integrations
APPROVED

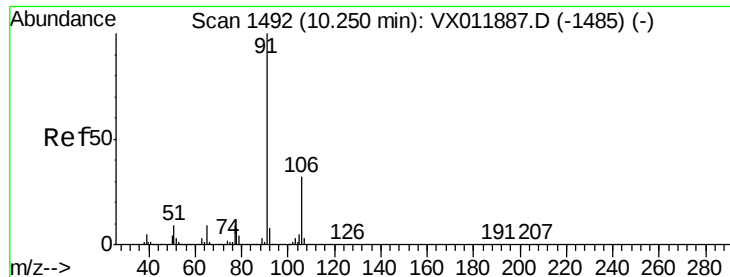
MMDadoda
9/3/2019 2:41:09 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.024 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.4	145.0
119	62.1	30.6	92.0





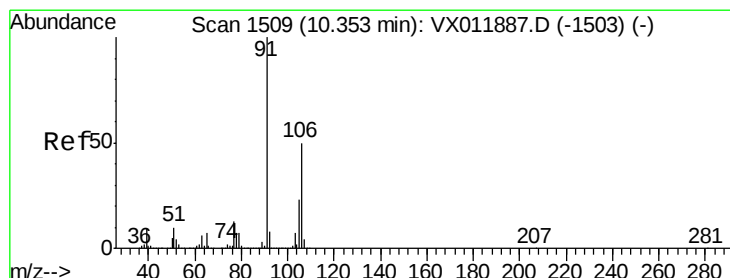
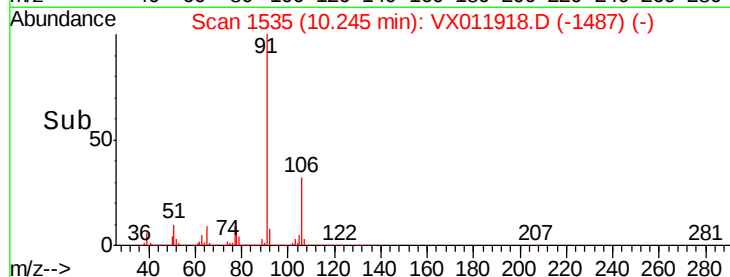
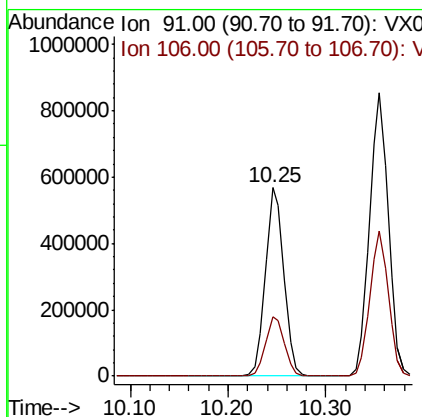
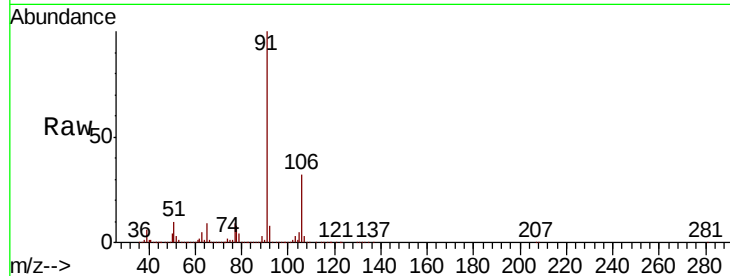
#67
Ethyl Benzene
Concen: 52.901 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.8	38.8

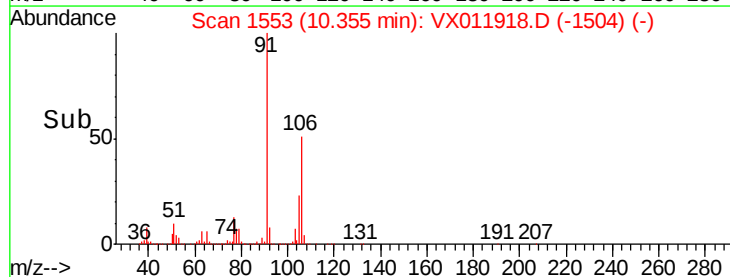
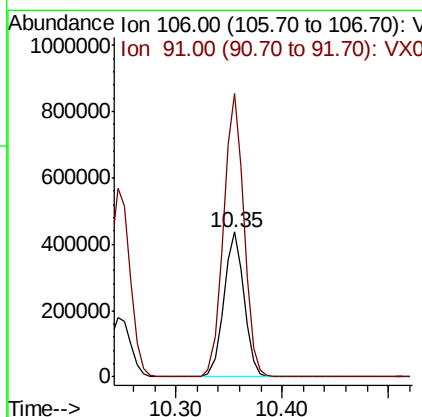
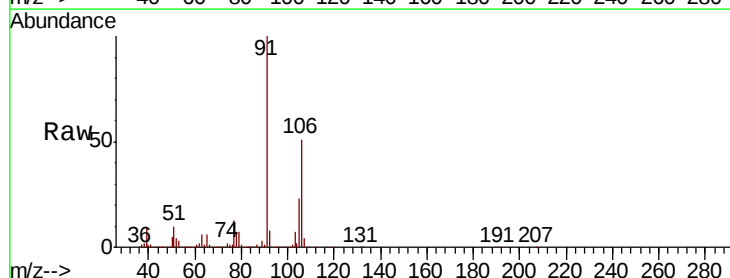
Manual Integrations
APPROVED

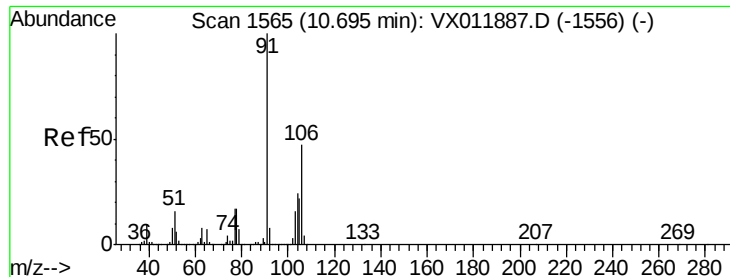
MMDadoda
9/3/2019 2:41:09 AM



#68
m/p-Xylenes
Concen: 106.986 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.3	158.6	237.8





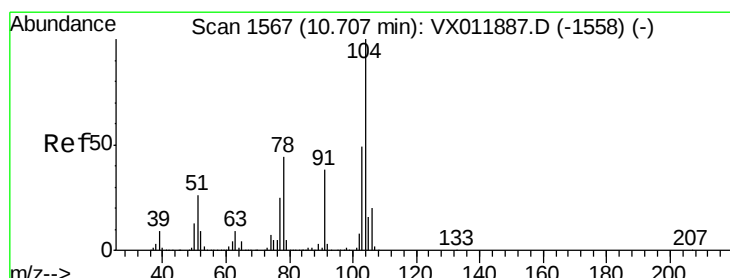
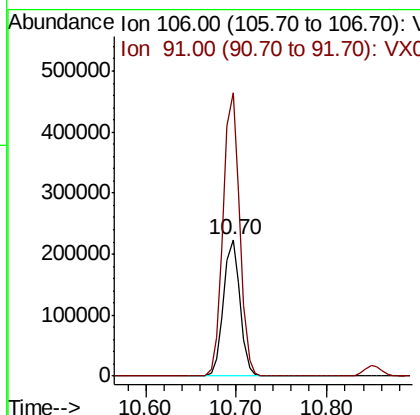
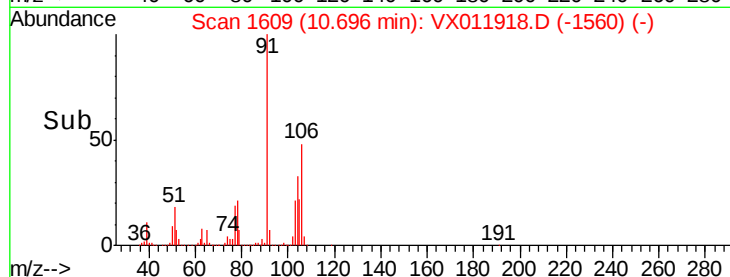
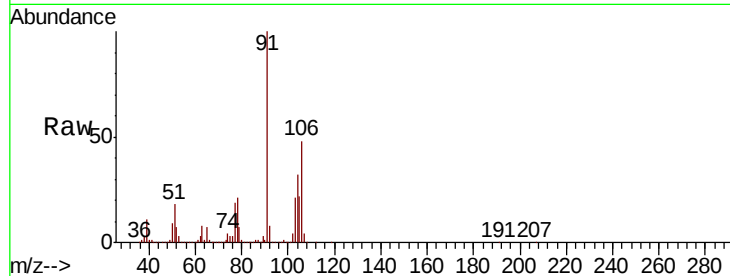
#69
o-Xylene
Concen: 53.736 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	283575		
91	208.2	104.8	314.6		

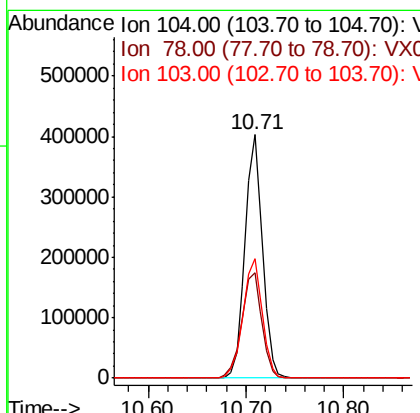
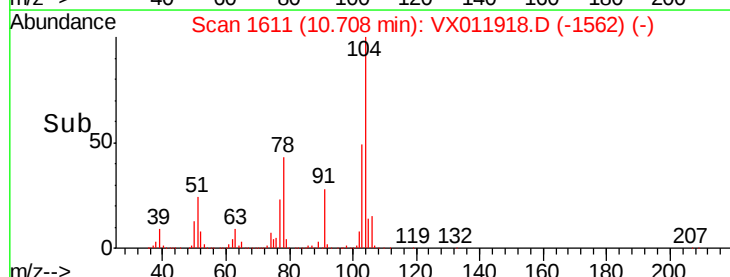
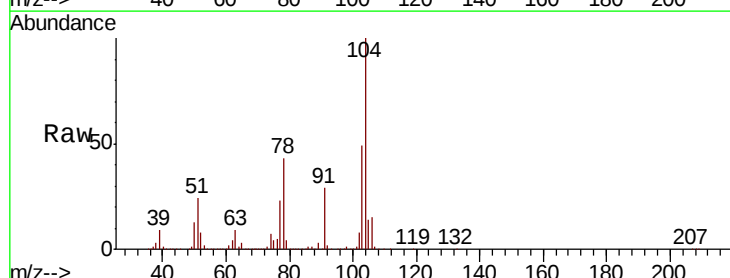
Manual Integrations
APPROVED

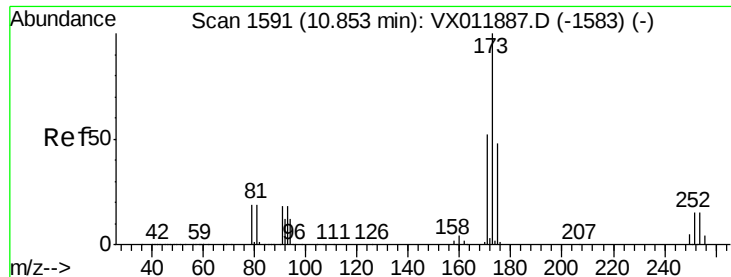
MMDadoda
9/3/2019 2:41:09 AM



#70
Styrene
Concen: 54.065 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	502886		
78	49.4	39.2	58.8		
103	53.9	43.0	64.6		





#71

Bromoform

Concen: 55.201 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 130139

Ion Ratio Lower Upper

173 100

175 50.2 24.4 73.2

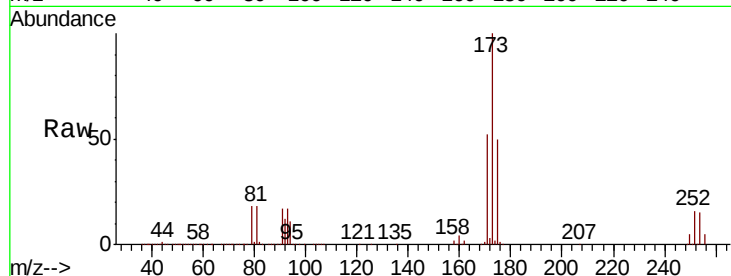
254 0.1 0.1 0.1

Manual Integrations

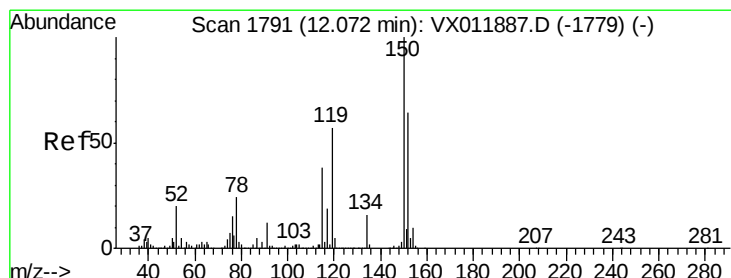
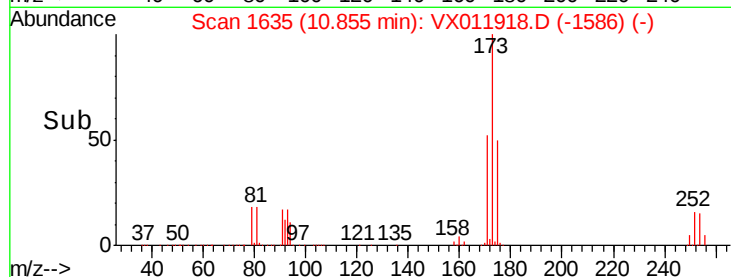
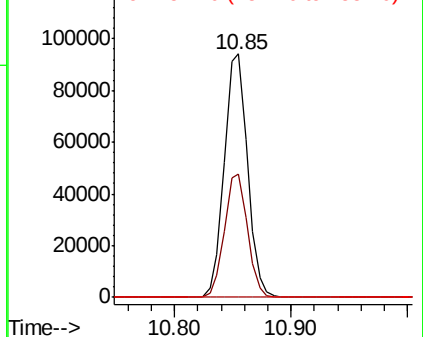
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

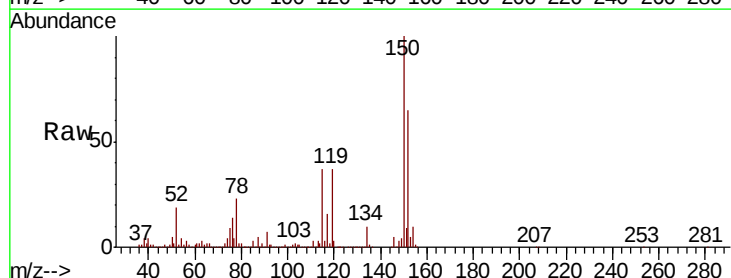
Tgt Ion:152 Resp: 251578

Ion Ratio Lower Upper

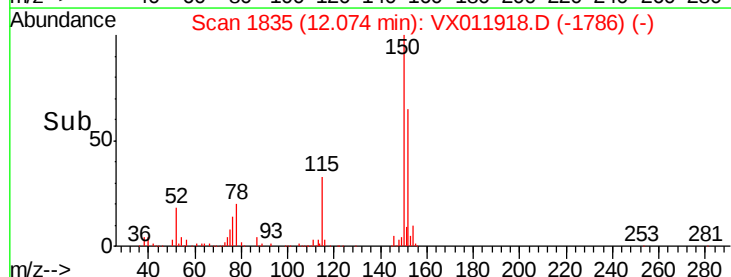
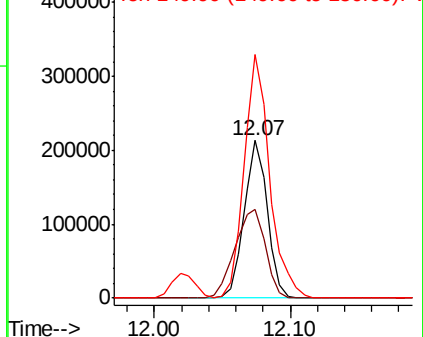
152 100

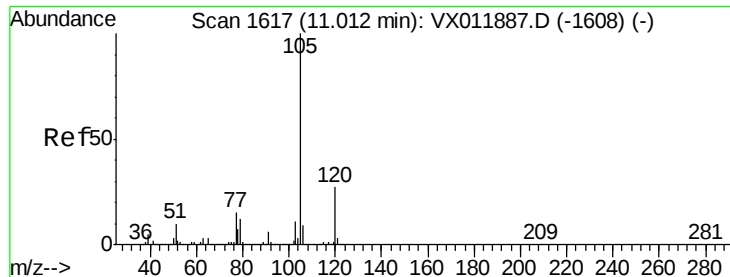
115 74.4 37.1 111.3

150 171.0 0.0 339.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.181 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 754281

Ion Ratio Lower Upper

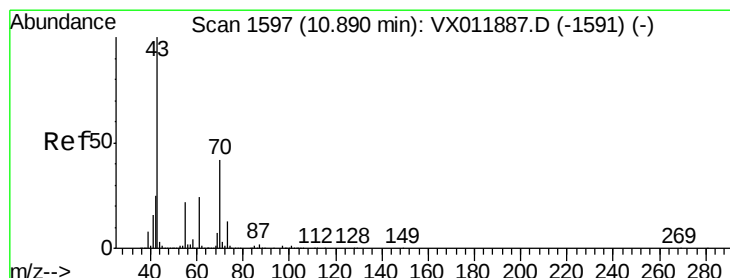
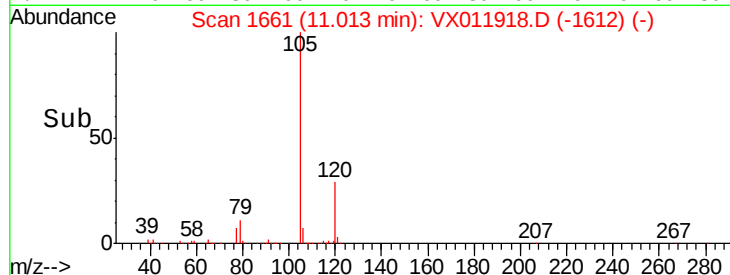
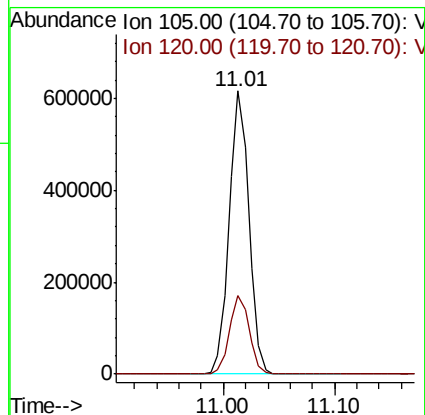
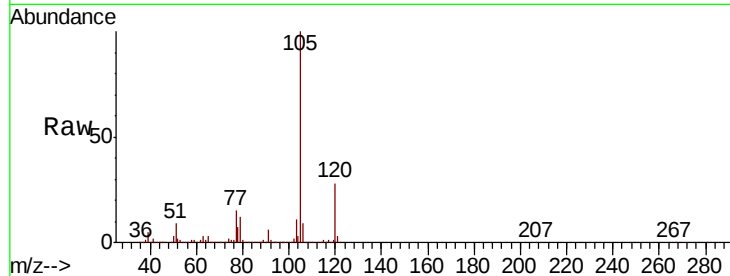
105 100

120 27.8 13.8 41.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 54.138 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Tgt Ion: 43 Resp: 232237

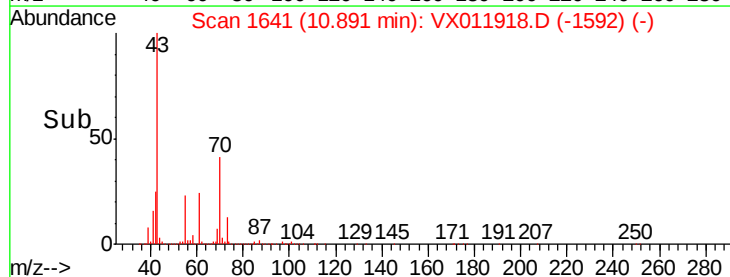
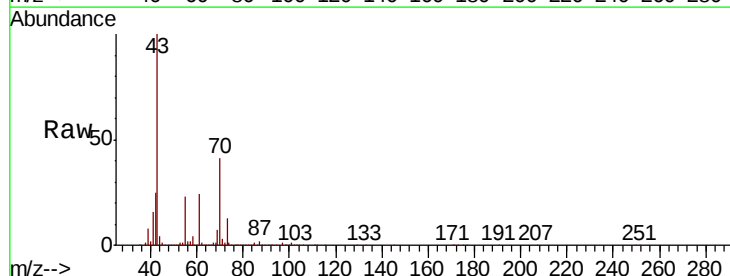
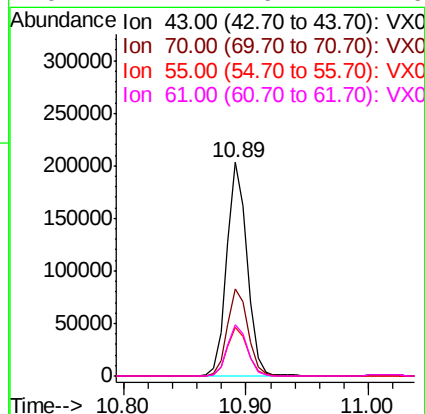
Ion Ratio Lower Upper

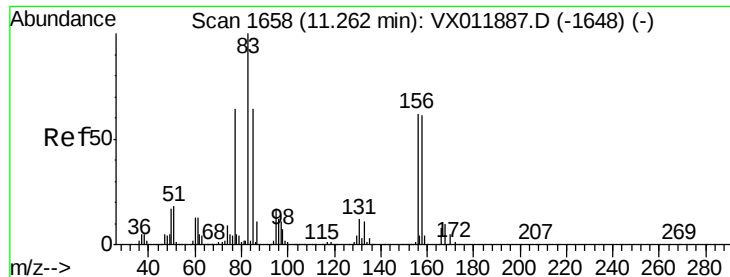
43 100

70 41.7 0.2 0.2#

55 22.7 0.1 0.1#

61 24.1 16.4 24.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.645 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

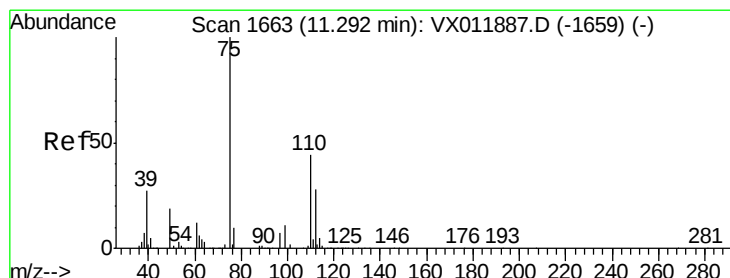
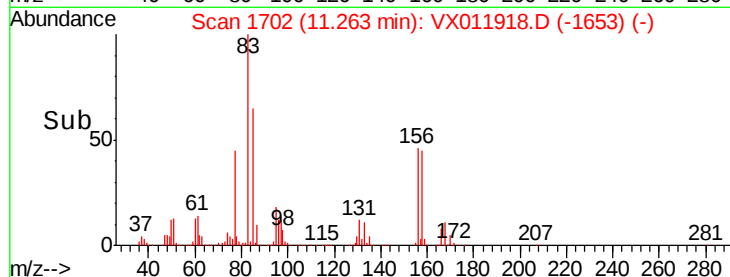
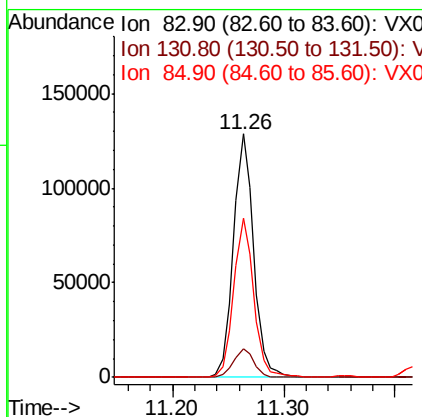
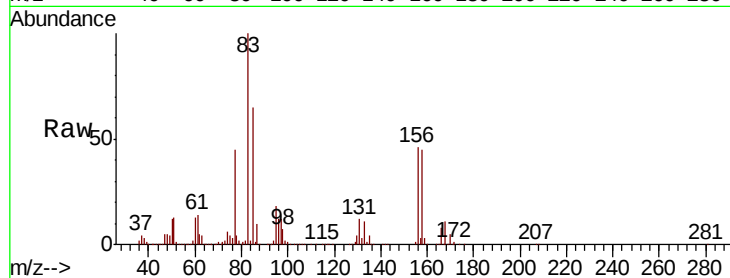
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	161660
Ion Ratio	Lower	Upper	
83	100		
131	12.0	6.0	18.0
85	64.7	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.899 ug/l m

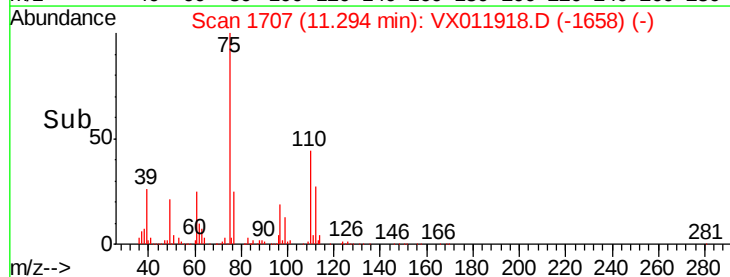
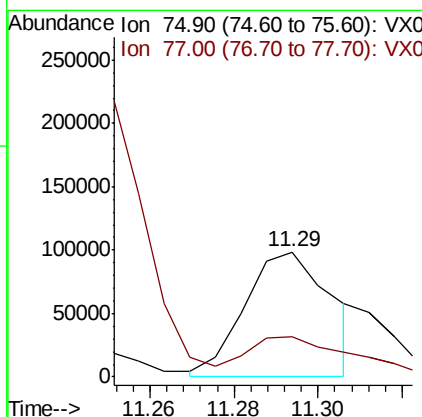
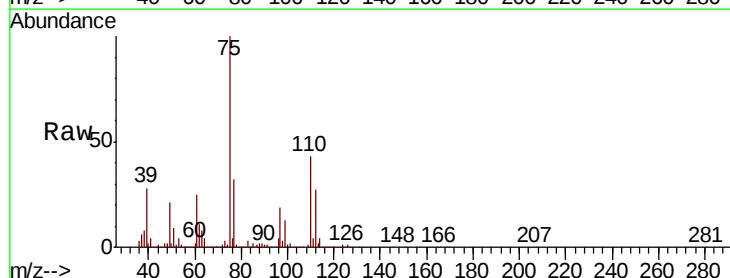
RT: 11.29 min Scan# 1707

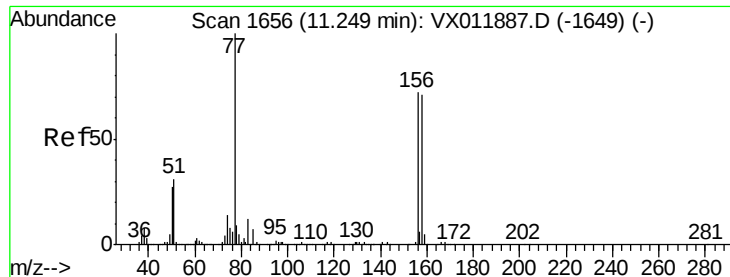
Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Tgt Ion:	75	Resp:	140813
Ion Ratio	Lower	Upper	
75	100		
77	39.3	20.9	62.7





#77

Bromobenzene

Concen: 53.339 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

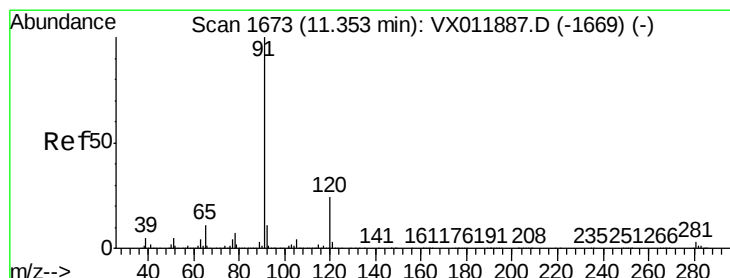
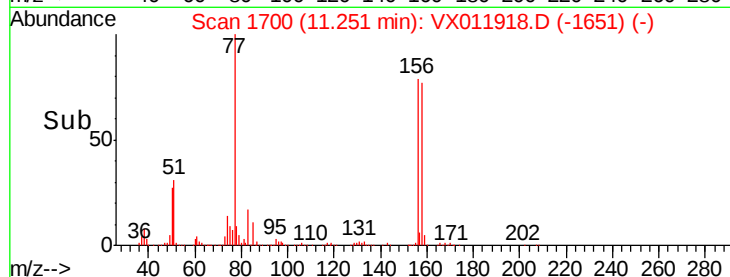
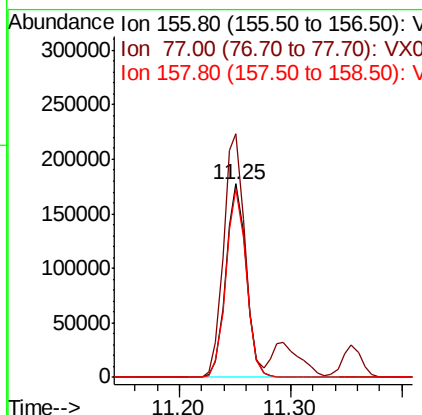
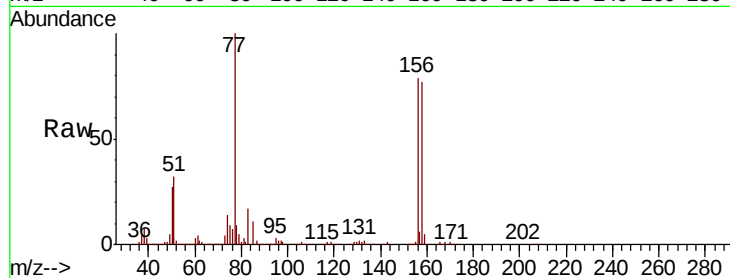
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	223614
Ion Ratio	Lower	Upper	
156	100		
77	131.8	68.1	204.3
158	97.3	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 52.743 ug/l

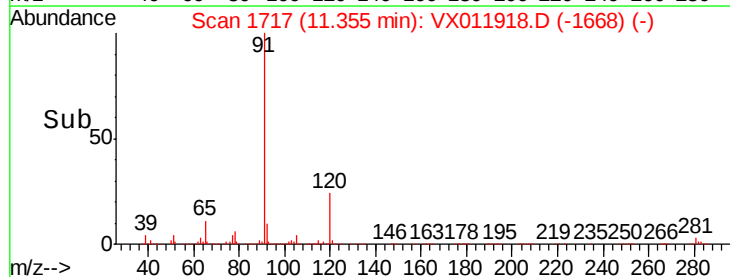
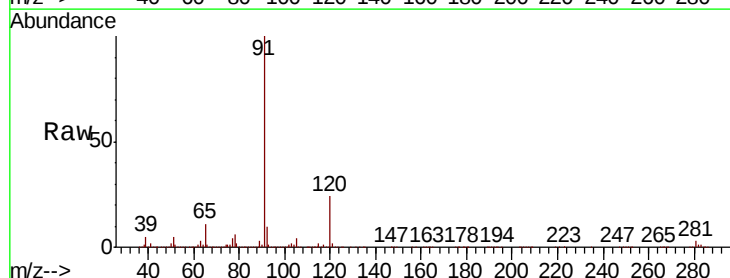
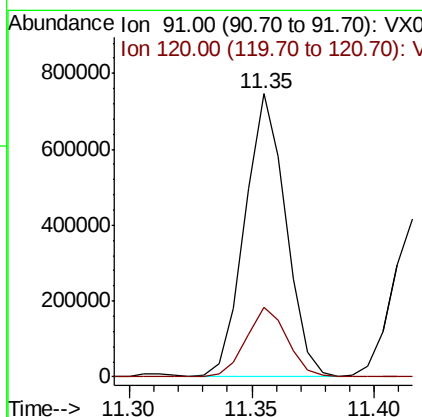
RT: 11.35 min Scan# 1717

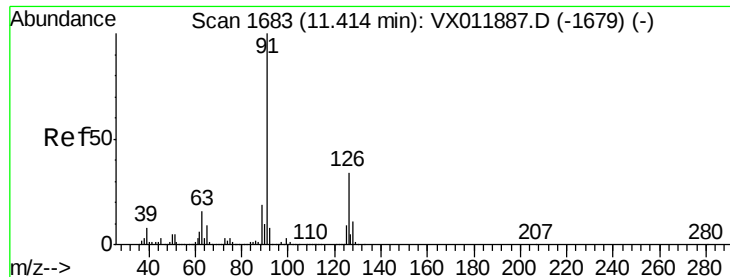
Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Tgt Ion:	91	Resp:	864546
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.3	36.9





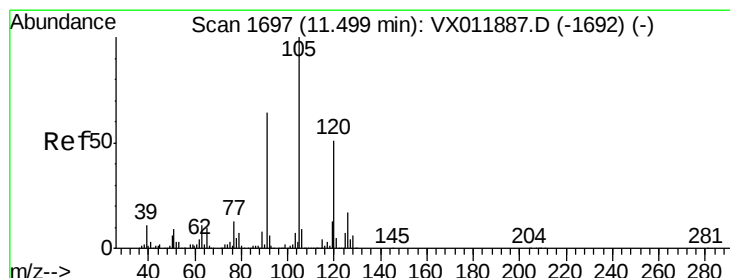
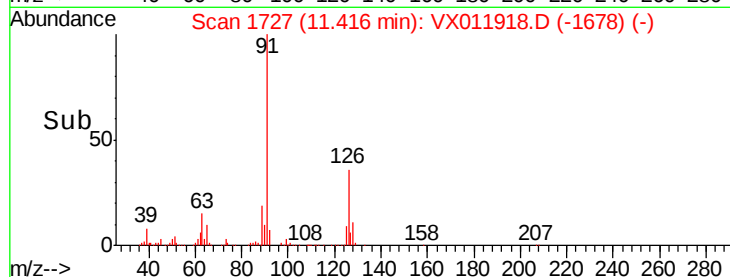
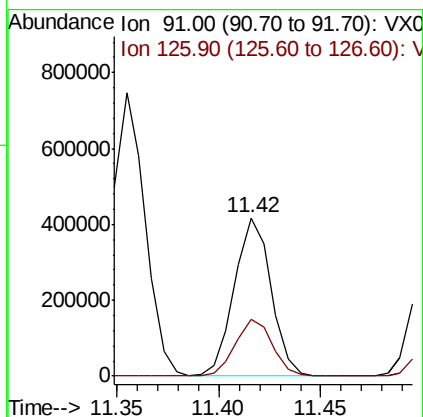
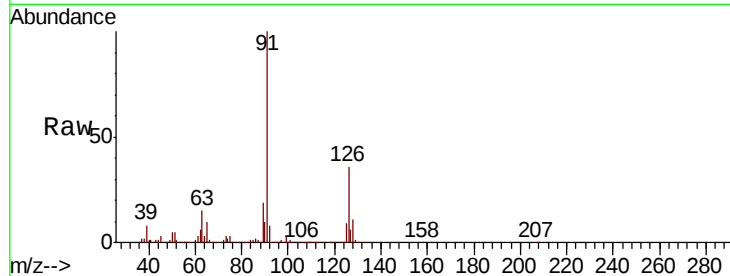
#79
 2-Chlorotoluene
 Concen: 52.583 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 518807
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.9 53.8

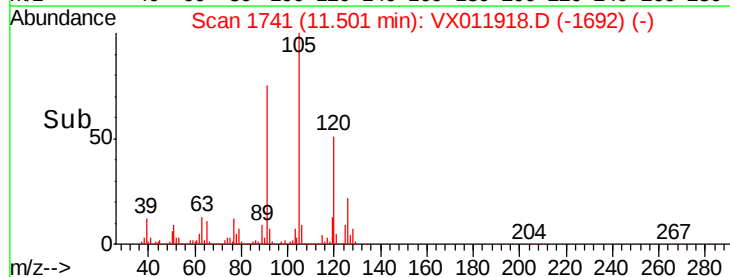
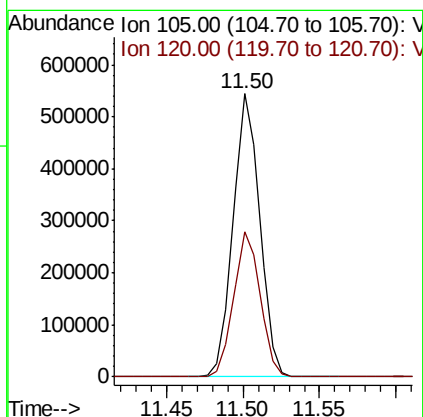
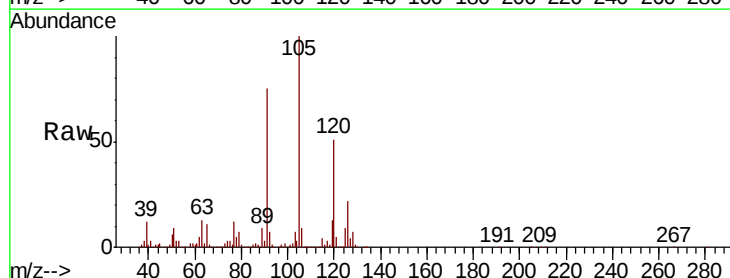
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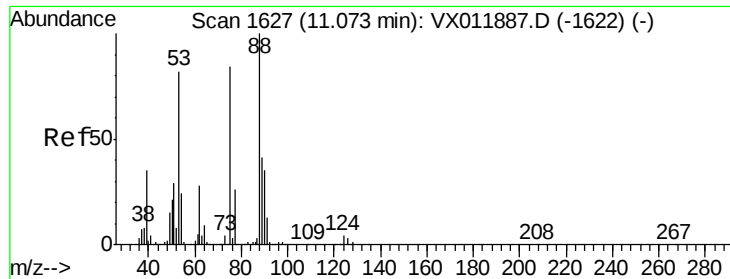
MMDadoda
 9/3/2019 2:41:09 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.511 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Tgt Ion: 105 Resp: 655176
 Ion Ratio Lower Upper
 105 100
 120 51.3 25.3 75.9





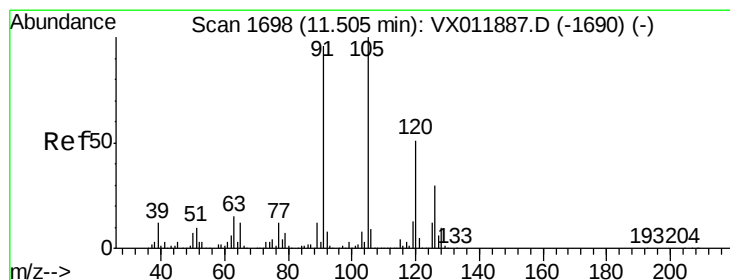
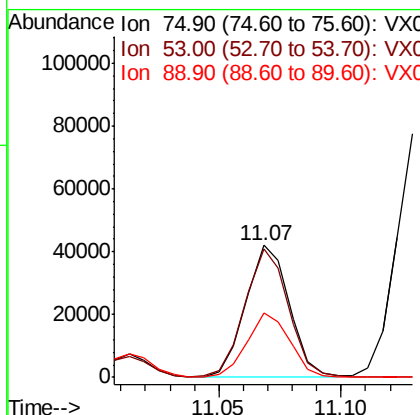
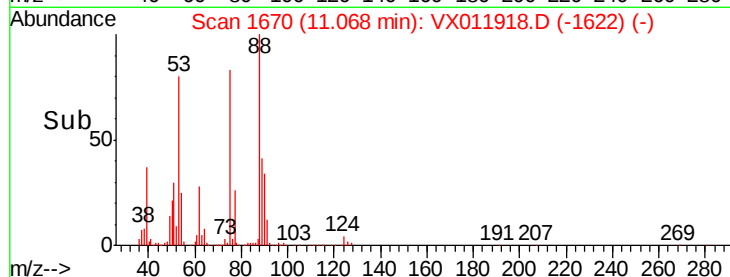
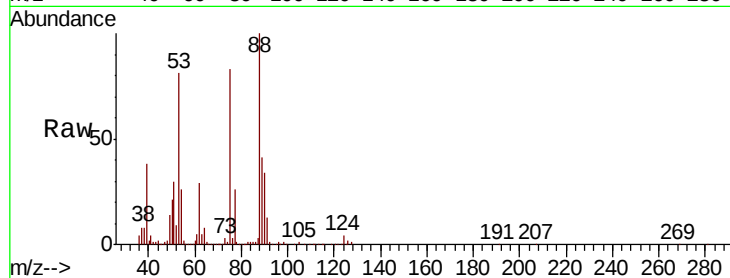
#81
trans-1,4-Dichloro-2-butene
Concen: 52.969 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.9	77.1	115.7
89	48.8	38.2	57.2

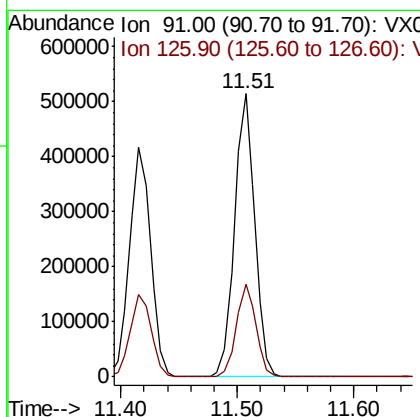
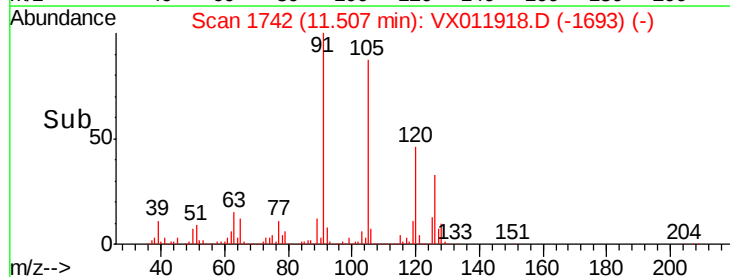
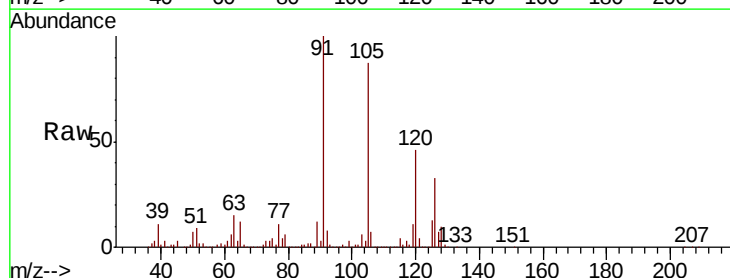
Manual Integrations
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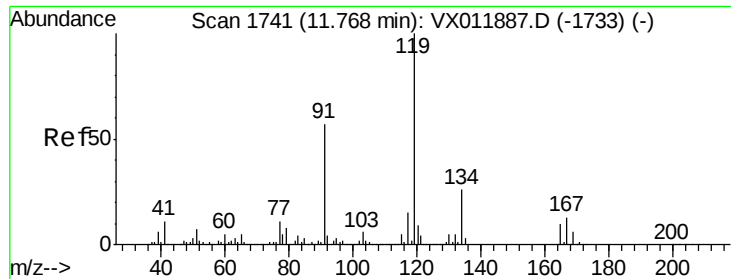
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#82
4-Chlorotoluene
Concen: 52.222 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.9	47.6





#83

tert-Butylbenzene

Concen: 52.740 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

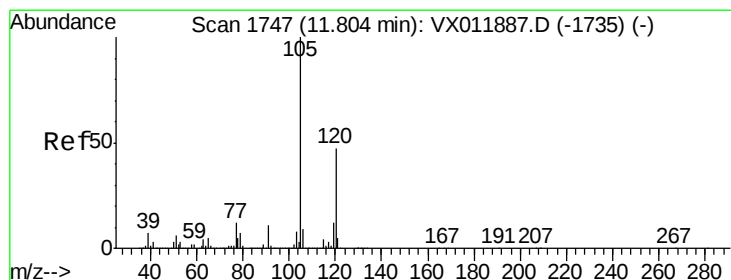
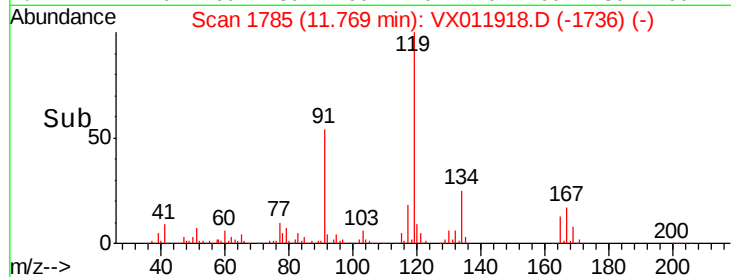
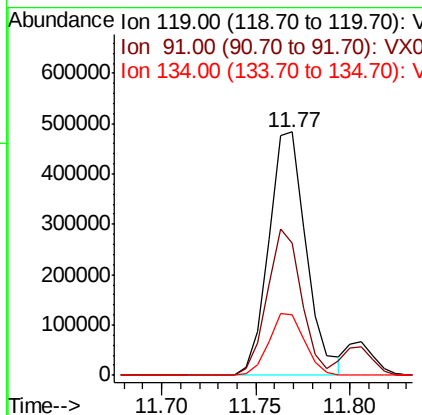
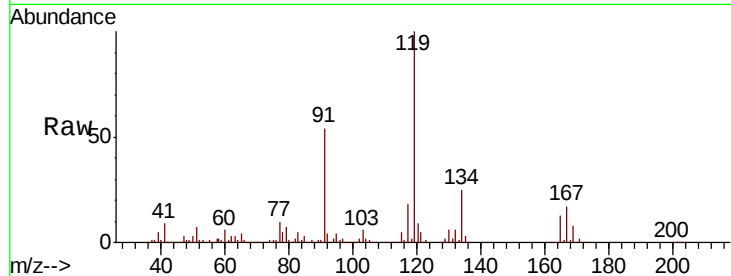
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	667706
Ion Ratio	Lower	Upper	
119	100		
91	54.9	27.9	83.6
134	24.2	12.3	36.8

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#84

1,2,4-Trimethylbenzene

Concen: 52.145 ug/l

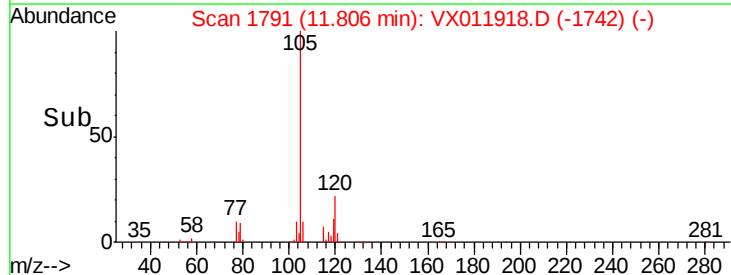
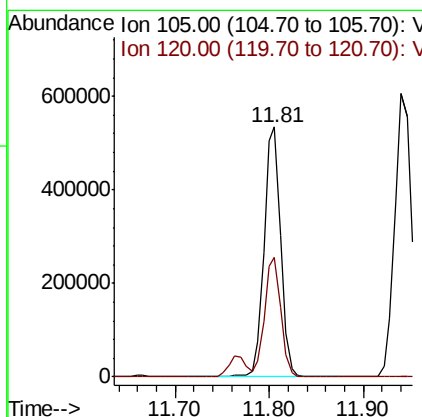
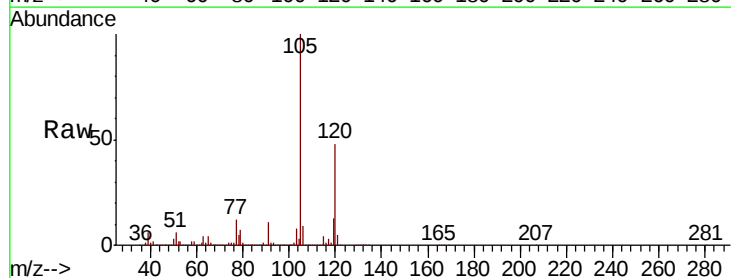
RT: 11.81 min Scan# 1791

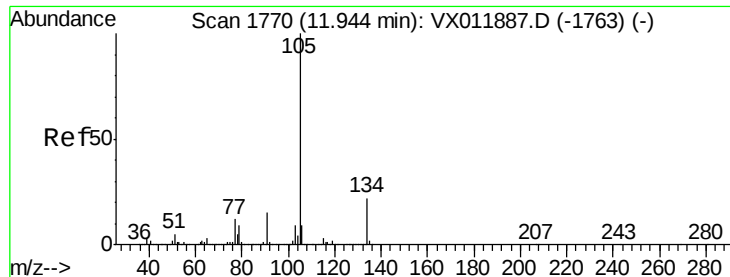
Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Tgt Ion:	105	Resp:	666774
Ion Ratio	Lower	Upper	
105	100		
120	46.8	23.4	70.3





#85

sec-Butylbenzene

Concen: 51.521 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 757633

Ion Ratio Lower Upper

105 100

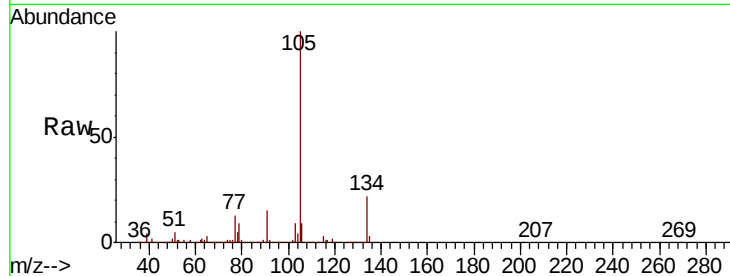
134 22.1 10.9 32.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

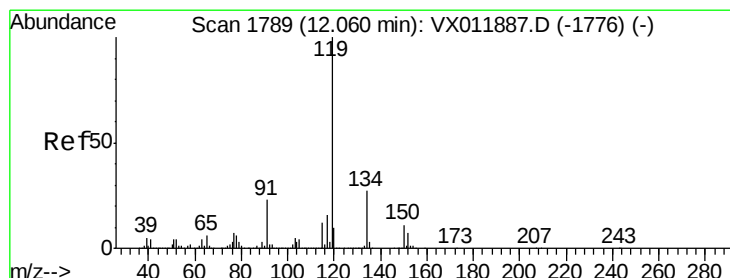
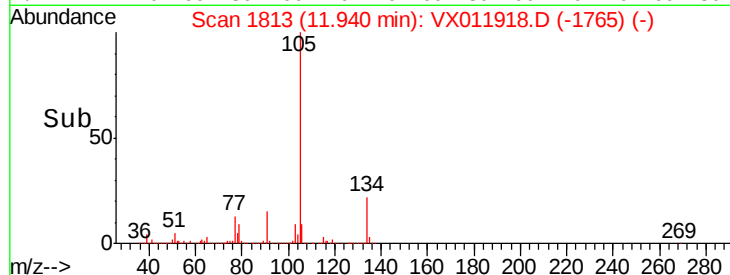
400000

200000

0

11.85 11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 51.861 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

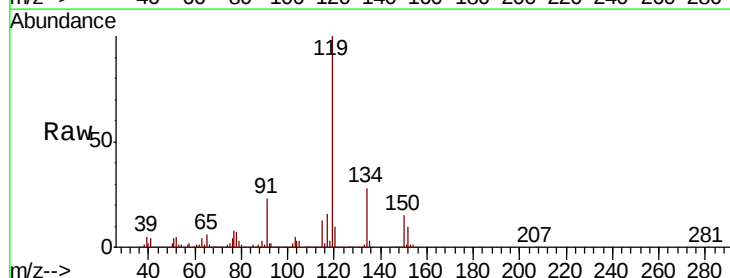
Tgt Ion:119 Resp: 739485

Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.0

91 22.8 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

800000

600000

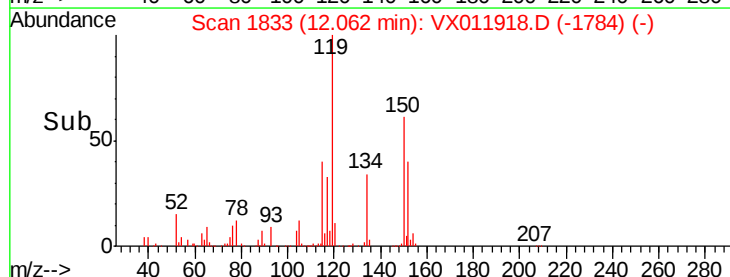
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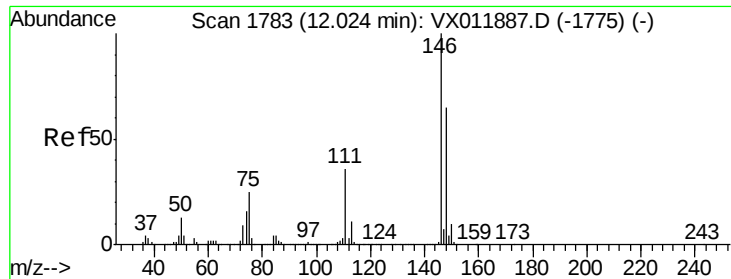
200000

0

11.90 12.00 12.10 12.20

Time-->





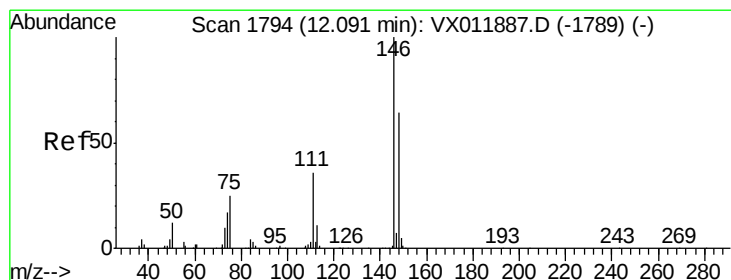
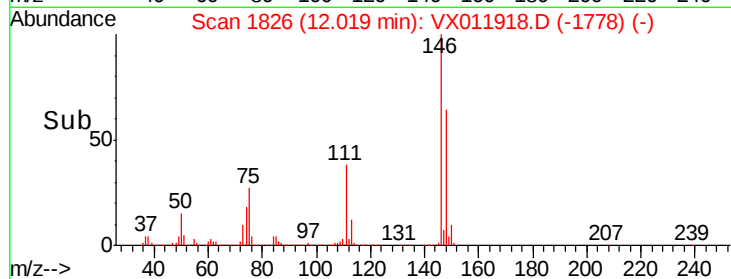
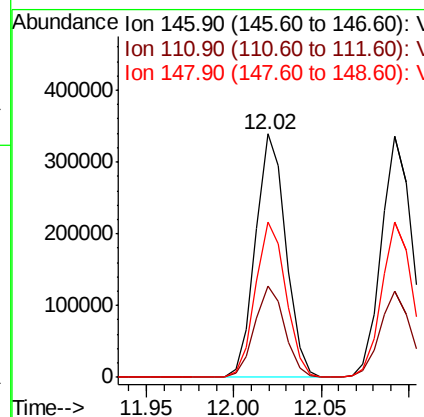
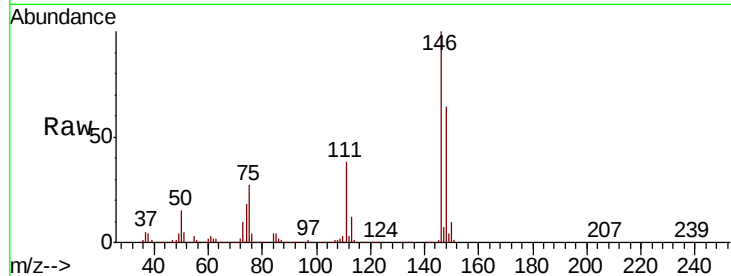
#87
 1,3-Dichlorobenzene
 Concen: 52.559 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.2
148	64.1	32.1	96.5

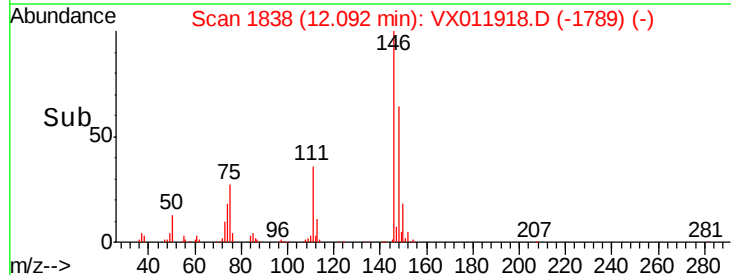
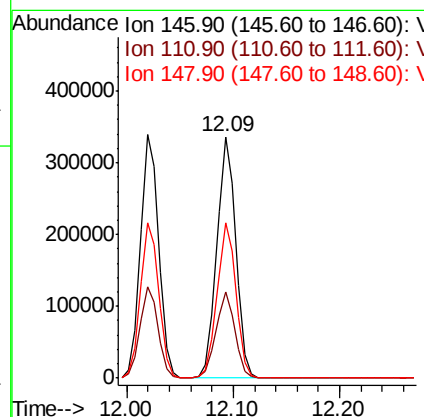
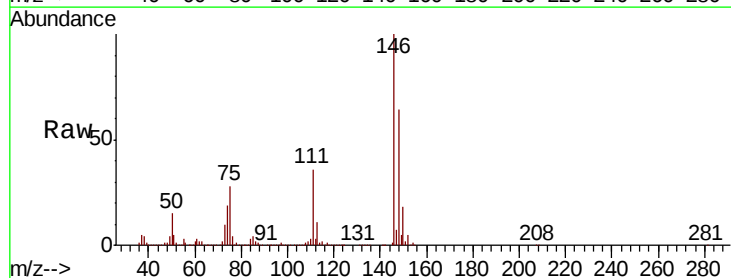
Manual Integrations
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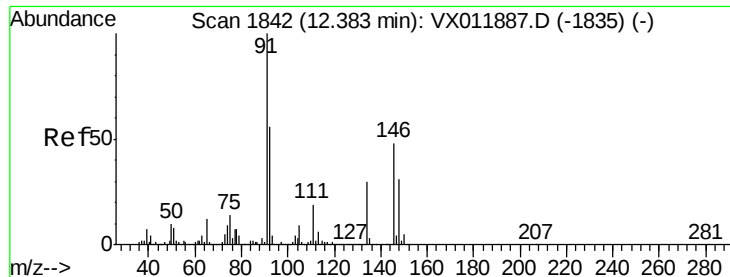
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 9/3/2019 2:41:09 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.950 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.9	53.7
148	64.0	32.4	97.0





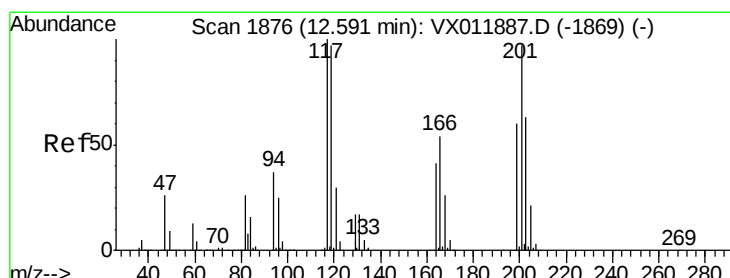
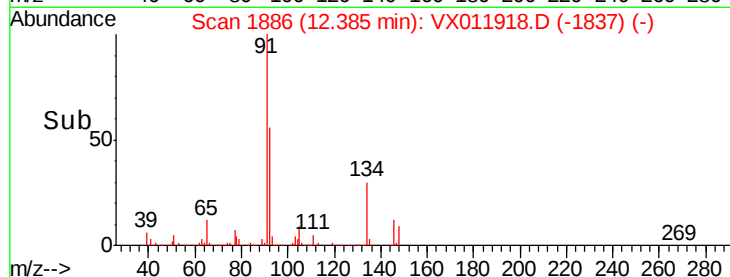
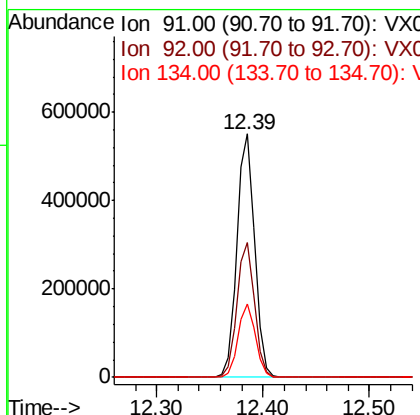
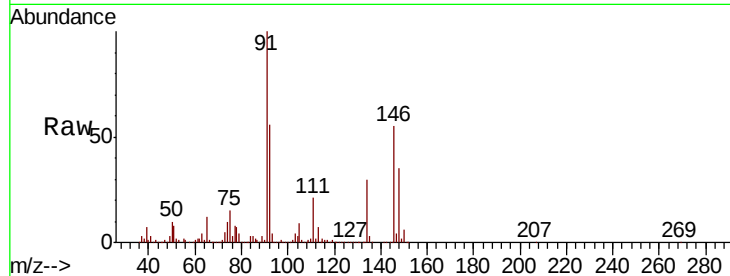
#89
n-Butylbenzene
Concen: 50.831 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.6	82.8
134	29.8	14.8	44.3

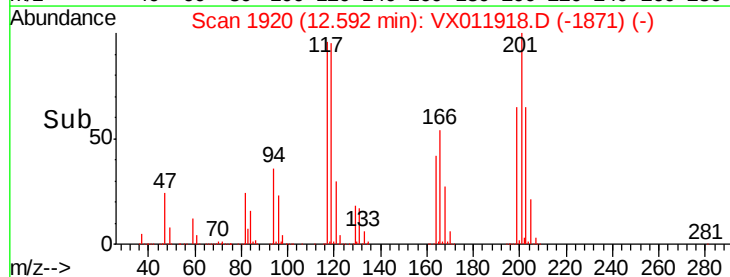
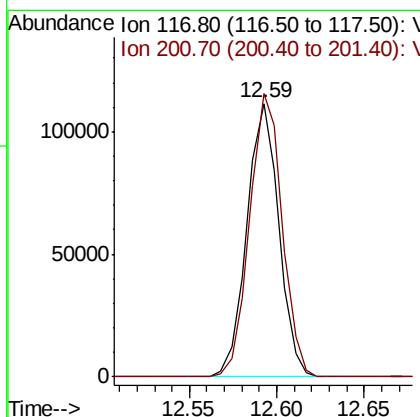
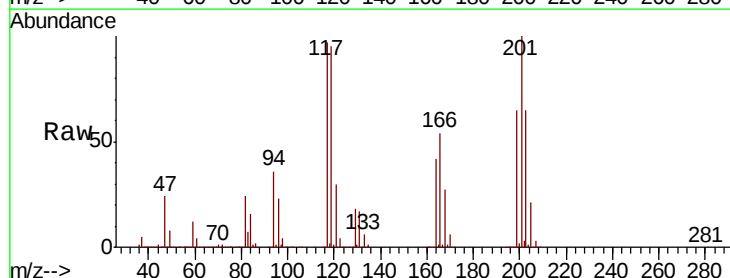
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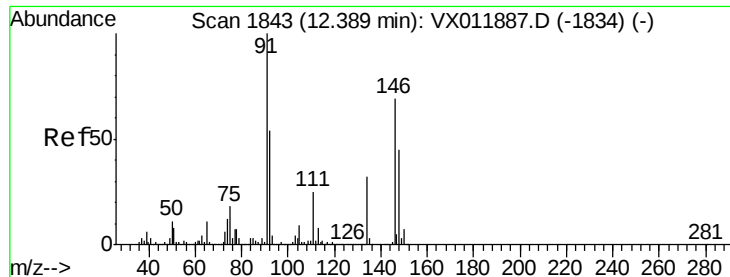
MMDadoda
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#90
Hexachloroethane
Concen: 51.300 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	105.4	52.8	158.5





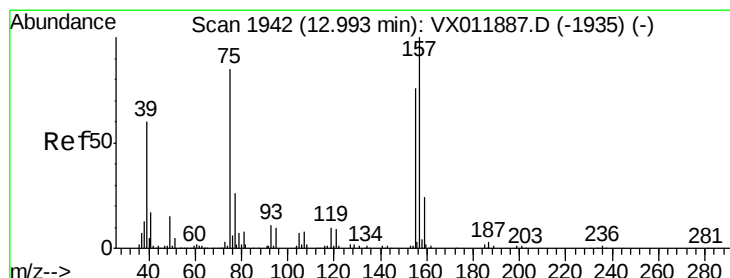
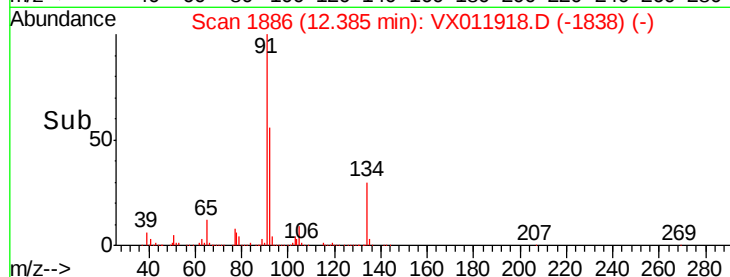
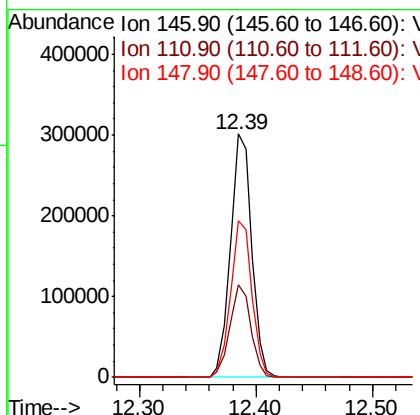
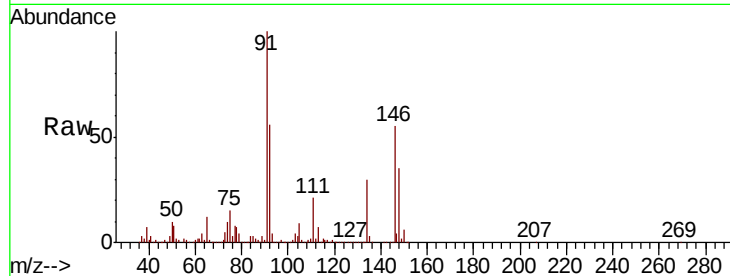
#91
 1,2-Dichlorobenzene
 Concen: 53.060 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.6	18.9	56.5	
148	64.5	32.1	96.3	

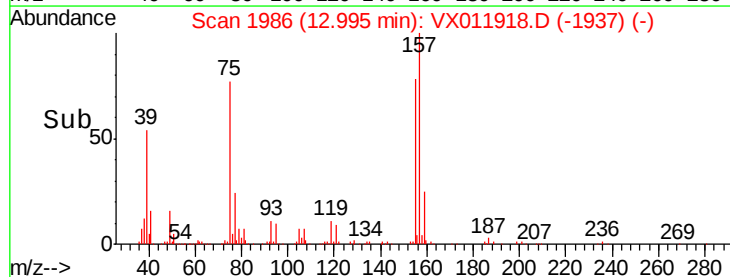
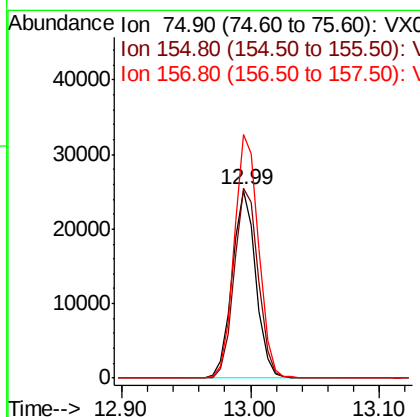
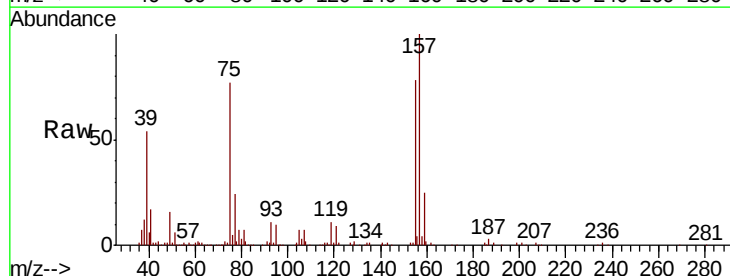
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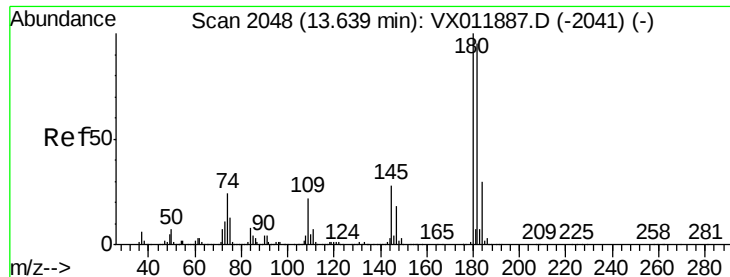
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 9/3/2019 2:41:09 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.166 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	102.1	50.1	150.4	
157	131.8	63.9	191.7	





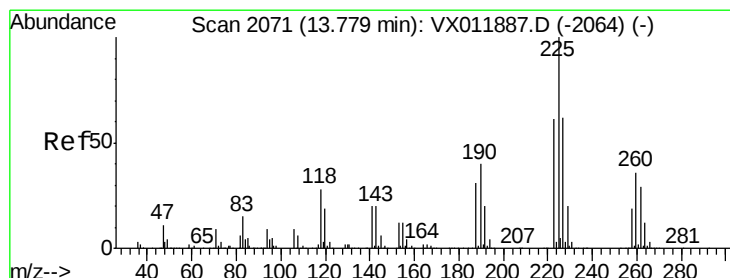
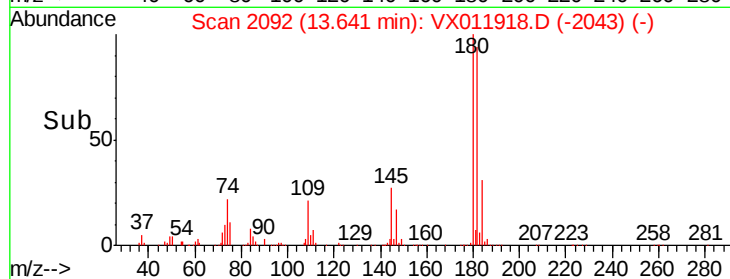
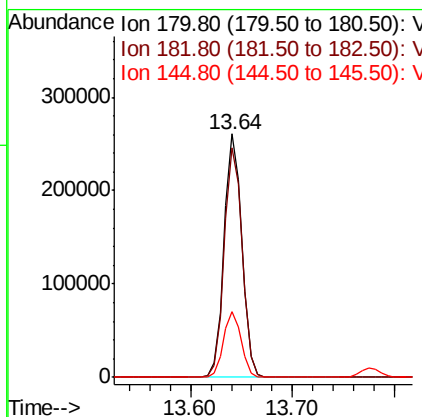
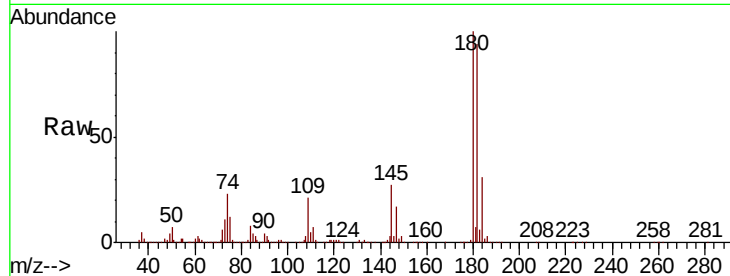
#93
 1,2,4-Trichlorobenzene
 Concen: 51.886 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	316483		
182	95.3	48.1	144.4	
145	27.0	13.8	41.3	

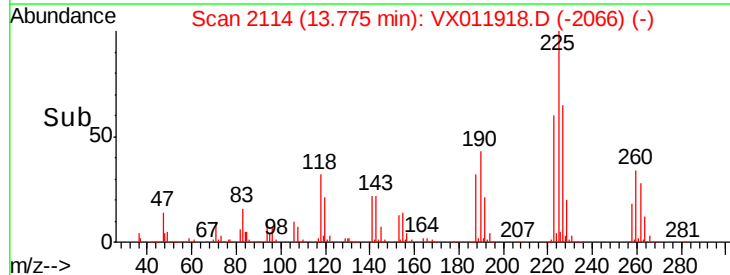
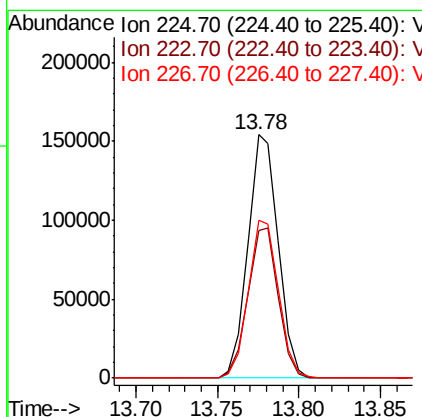
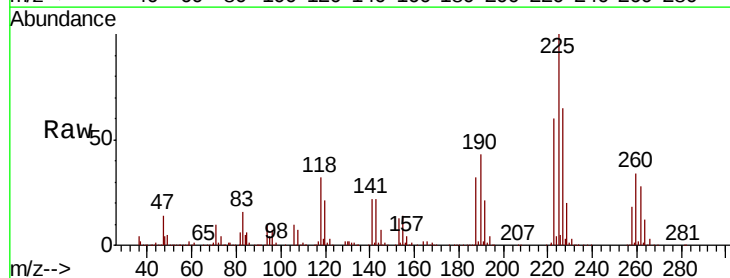
Manual Integrations
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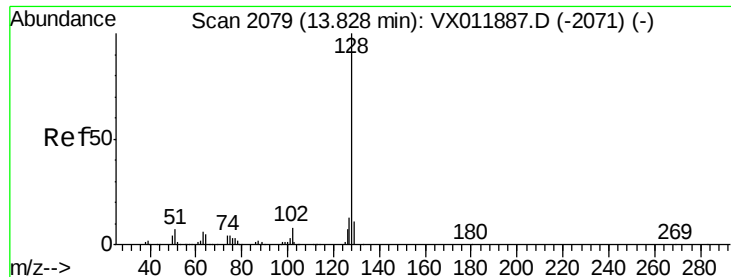
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 9/3/2019 2:41:09 AM



#94
 Hexachlorobutadiene
 Concen: 48.940 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	199357		
223	61.7	30.8	92.3	
227	64.6	31.9	95.7	





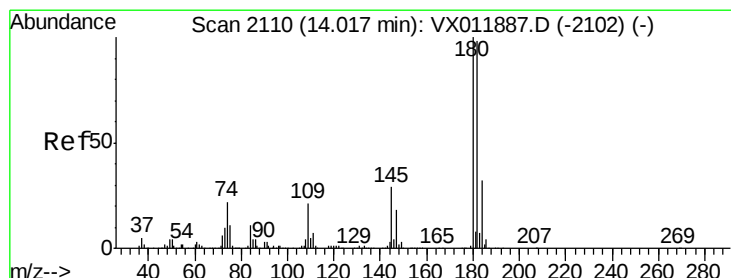
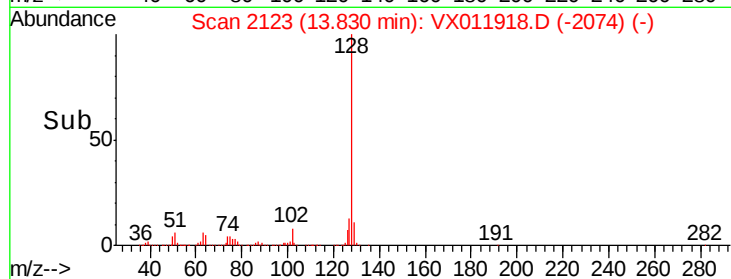
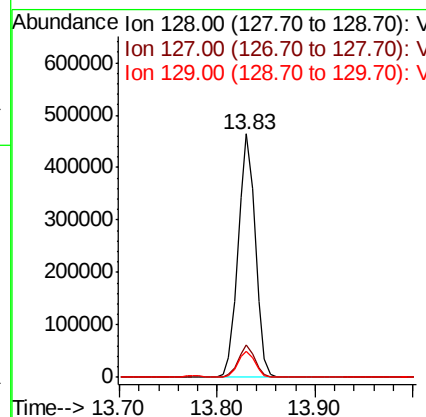
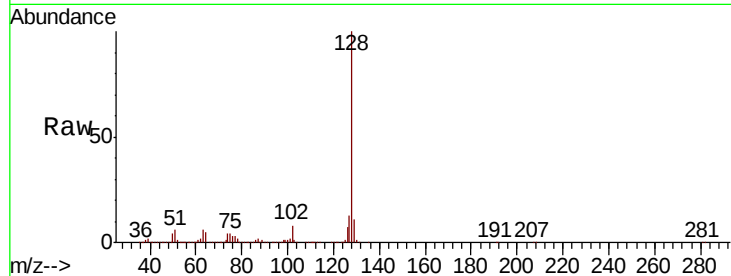
#95
Naphthalene
Concen: 53.950 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 52.286 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.3	144.8
145	28.5	14.6	43.8

